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INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

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The Designs Act, 1993
The Trade Marks Act, 1963
The Trade Marks Act, 1993
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2. PATENTS

PATENTS

APPLICATIONS FOR PATENTS

Copies of these specifications cannot be supplied until the applications have been accepted and advertised, or in the case of convention applications, until 18 months from the date of the application in the convention

THE PARTICULARS APPEAR IN THE FOLLOWING SEQUENCE:

The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(43)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

. - APPLIED ON 2026/02/20 -

2026/02069 ~ Provisional ~54:BALL FLOAT ACTUATOR ~71:Mark Anthony Jannecke, 21 Rosehope Flats, 1 Hope Road, Rosebank, South Africa ~72: Mark Anthony Jannecke~

2026/02073 ~ Provisional ~54:BIOPRINTING ARRANGEMENT AND RELATED EXTRUSION PROCESS ~71:RHODES UNIVERSITY, Drosty Road, GRAHAMSTOWN 6139, Eastern Cape, SOUTH AFRICA, South Africa ~72: BOTTCHER, Heidi Ellen;EGUNLUSI, Ayodeji;PRINSLOO, Earl Adin Gerard~

2026/02079 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110955 ~32:26/04/2025

2026/02083 ~ Complete ~54:SYSTEM FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110960 ~32:26/04/2025

2026/02099 ~ Complete ~54:USER DEVICE OF SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110981 ~32:26/04/2025

2026/02104 ~ Complete ~54:SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING WITH SERVER ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110977 ~32:26/04/2025

2026/02110 ~ Complete ~54:SYSTEM AND METHOD FOR EVENT-BASED USER CONNECTION, AUGMENTED REALITY VISUALIZATION, AND STRUCTURED PAIRING ACROSS VENUE AND REMOTE ENVIRONMENTS ~71:FUCHS, Hjalmar Douglas, 346B Edward Street, Waterkloof, South Africa ~72: FUCHS, Hjalmar Douglas~ 33:ZA ~31:2025/04597 ~32:29/05/2025

2026/02114 ~ Complete ~54:SYNERGISTIC PERMEATION ENHANCERS FOR GASTROINTESTINAL SYNTHETIC EPITHELIAL LININGS ~71:SYNTIS BIO, INC., 135 Morrissey Blvd., Suite 101A, BOSTON 02125, MA, USA, United States of America ~72: KANELLI, Maria;RIVERA-DELGADO, Edgardo;SEPICH, Luke C.;VON ERLACH, Thomas;WRIGHT, James L.;YU, Anthony C.~ 33:US ~31:63/541,237 ~32:28/09/2023;33:US ~31:63/623,109 ~32:19/01/2024;33:US ~31:63/673,614 ~32:19/07/2024

2026/02120 ~ Complete ~54:COLOURED SOAP BAR COMPOSITION COMPRISING STARCH ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AMALENDU BANGAL;CHANDRA SEKHAR GHOSH;HIMANSHU AKRE;HIMANSHU JAIKUMAR BALANI;NITISH KUMAR;SUDIPTA GHOSH DASTIDAR;SWAPNIL RAVIKANT HEGISHTE;VAISHALI SINGH~ 33:EP ~31:23196549.2 ~32:11/09/2023

2026/02123 ~ Complete ~54:ANTI-STATIC SPIRAL SPRING FOR VALVE ~71:BRAY INTERNATIONAL, INC., 13333 Westland East Blvd., Houston, Texas, 77041, United States of America ~72: MADANKUMAR MUTHUSAMY;PATRICK O'CONNELL;SATISH SHEWALE;VASANTHAKUMAR CHINNADURAI~ 33:US ~31:63/520,445 ~32:18/08/2023

2026/02071 ~ Provisional ~54:A SYSTEM FOR, AND A METHOD OF, PAPER CUTTING AND PERFORATING ~71:BOTHA, Henry Donovan, 2 Kort Street, South Africa ~72: BOTHA, Henry Donovan~

2026/02077 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNAL ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110962 ~32:26/04/2025

2026/02080 ~ Complete ~54:COMPUTER DEVICE FOR DISTRIBUTING DOSAGE FORMS ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110956 ~32:26/04/2025

2026/02082 ~ Complete ~54:SYSTEM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110959 ~32:26/04/2025

2026/02085 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110954 ~32:26/04/2025

2026/02087 ~ Complete ~54:SYSTEM FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110969 ~32:26/04/2025

2026/02093 ~ Complete ~54:SERVER OF SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110980 ~32:26/04/2025

2026/02094 ~ Complete ~54:MACHINE-READABLE STORAGE MEDIUM FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123964 ~32:31/08/2025

2026/02098 ~ Complete ~54:METHOD OF DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY,

UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110974 ~32:26/04/2025

2026/02102 ~ Complete ~54:METHOD OF STORING DOSAGE FORMS IN ORIGINAL PACKAGING ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110973 ~32:26/04/2025

2026/02113 ~ Complete ~54:INDUSTRIAL HYDROCYCLONE PRESSURE STABILITY CONTROL SYSTEM AND METHOD ~71:PANGANG GROUP MINING CO., LTD., Guaziping, East District, PANZHIHUA 617063, SICHUAN, CHINA (P.R.C.), People's Republic of China ~72: CHEN , Yong;GOU , Bingzhong;GUI, Huaming;HE, Min;HE, Xiangdong;LI , Jin;LI, Yong;LIU, Chuan;LIU, Wei;LIU, Yun;LUO, Deqiang;WANG, Tiejun;XU , Yaowen;YAO, Xin;YUE, Zhangwu;ZHOU, Qilin;ZHU , Yongtao;ZHU, Ke~ 33:CN ~31:202410882185.7 ~32:03/07/2024

2026/02115 ~ Complete ~54:4-PYRAZOLO[1,5-A]PYRIDIN-2-YL-4,5,6,7-TETRAHYDRO-1H-IMIDAZO[4,5-C]PYRIDINE DERIVATIVES AS MUTANT PAH PROTEIN STABILIZERS FOR THE TREATMENT OF PHENYLKETONURIA ~71:AGIOS PHARMACEUTICALS, INC., 88 Sidney Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: DE PASCALIS, Lucrezia;LIU, Peng;SHOOK, Brian C.~ 33:US ~31:63/535,435 ~32:30/08/2023

2026/02117 ~ Complete ~54:USE OF GARDOS CHANNEL INHIBITORS IN THE TREATMENT OF SICKLE CELL DISEASE ~71:BIOSSIL INC., 435 Richmond Street West, Unit 1013, Toronto, Ontario, M5V 0N9, Canada ~72: ALEXANDER IBRAHIM MOSA;ANTHONY MOUCHANTAF~ 33:US ~31:63/530,887 ~32:04/08/2023;33:US ~31:63/627,319 ~32:31/01/2024

2026/02119 ~ Complete ~54:MULTI-FUNCTIONAL VALVE TRAVEL STOP ~71:BRAY INTERNATIONAL, INC., 13333 Westland East Blvd., Houston, Texas, 77041, United States of America ~72: EVAN APOSTOLOU;PARTHA CHINNASAMY;PATRICK O'CONNELL~ 33:US ~31:63/520,855 ~32:21/08/2023

2026/02125 ~ Complete ~54:METHODS AND APPARATUS FOR ASSOCIATING ATTRIBUTES AT DIFFERENT LEVELS OF A HIERARCHICAL MESH CODEC ~71:INTERDIGITAL CE PATENT HOLDINGS, SAS, 3 rue du Colonel Moll, 75017, Paris, France ~72: GAËLLE MARTIN-COCHER;GURDEEP BHULLAR;OLIVIER MOCQUARD~ 33:EP ~31:23306552.3 ~32:20/09/2023

2026/02126 ~ Complete ~54:SHAPED SOAP BAR AND METHOD OF MANUFACTURING SHAPED SOAP BARS FOR BETTER STAMPING ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AJAY ROHILLA;ANUSHREE RATAN PATIL;CHAITRALI DILIP KANSE;DEEPTI BIJU~ 33:IN ~31:202321067279 ~32:06/10/2023;33:EP ~31:24162946.8 ~32:12/03/2024

2026/02129 ~ Complete ~54:METHOD FOR DIAGNOSING AMYLOID DISEASES ~71:UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, 400 W Summit Hill Dr., UT Tower 961A, United States of America ~72: MARTIN-SHULER, Emily Brooke;WALL, Jonathan S.~ 33:US ~31:63/581,213 ~32:07/09/2023;33:US ~31:63/657,715 ~32:07/06/2024

2026/02078 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING DATABASE OF BODY STATUSES ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 17292, 1, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110952 ~32:26/04/2025

2026/02092 ~ Complete ~54:DEVICE FOR STORING AND DISTRIBUTING DOSAGE FORMS WITH TRANSCEIVER ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110979 ~32:26/04/2025

2026/02097 ~ Complete ~54:SYSTEM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNAL ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110967 ~32:26/04/2025

2026/02107 ~ Complete ~54:BLOCK MAKING MACHINE ~71:HYDRAFORM DEVELOPMENTS (PROPRIETARY) LIMITED, 220 Rondebult Road Libradene, Boksburg, 1459, South Africa ~72: GEORGE BURLOW~ 33:ZA ~31:2025/01602 ~32:21/02/2025

2026/02124 ~ Complete ~54:ARYL ETHER ANALOGS AS INHIBITORS OF THE MENIN-MLL INTERACTION ~71:SYNDAX PHARMACEUTICALS, INC., 730 Third Avenue, 9th Floor, New York, New York, 10017, United States of America ~72: GERARD M MCGEEHAN;SANTOSH S KULKARNI;SINGAM NAVEEN KUMAR;SWAPAN KUMAR SAMANTA;VIRSINHA VENKAT REDDY;WILLIAM H MILLER~ 33:US ~31:63/579,241 ~32:28/08/2023;33:US ~31:63/620,520 ~32:12/01/2024;33:US ~31:63/651,602 ~32:24/05/2024

2026/02128 ~ Complete ~54:DRILL ROD AND CORE TUBE HANDLER DEVICE ~71:BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC., 2455 South 3600 West, United States of America ~72: CHEN, Kai;MACLOUGHLIN, Andres;MORONEY, Geoffrey J.;SALISBURY, Andrew~ 33:US ~31:63/515,276 ~32:24/07/2024

2026/02084 ~ Complete ~54:COMPUTER DEVICE FOR IDENTIFYING BODY STATUS ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110953 ~32:26/04/2025

2026/02089 ~ Complete ~54:SYSTEM FOR DISTRIBUTING DOSAGE FORMS ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110971 ~32:26/04/2025

2026/02090 ~ Complete ~54:DEVICE FOR STORING AND DISTRIBUTING DOSAGE FORMS ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110972 ~32:26/04/2025

2026/02105 ~ Complete ~54:SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING WITH SERVER ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110978 ~32:26/04/2025

2026/02108 ~ Complete ~54:NEURONAVIGATED TRANSCRANIAL BRAIN ENERGY DELIVERY AND DETECTION SYSTEM AND METHOD ~71:AMPA INC., 501 W. Broadway, Suite 1025 San Diego, California, 92101, United States of America ~72: DONALD A VAUGHN;JONATHAN A.S DOWNAR~ 33:US ~31:17/964,686 ~32:12/10/2022;33:US ~31:18/212,024 ~32:20/06/2023;33:US ~31:18/212,055 ~32:20/06/2023;33:US ~31:18/212,081 ~32:20/06/2023

2026/02121 ~ Complete ~54:PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NIYATI RAKESH PANDYA;SAPNA SINGH;XUELAN GU~ 33:CN ~31:PCT/CN2023/117146 ~32:06/09/2023;33:EP ~31:23201722.8 ~32:05/10/2023

2026/02122 ~ Complete ~54:COMPOSITIONS FOR MODIFYING CELLS ~71:KELONIA THERAPEUTICS, INC., Suite C, 135 William T. Morrissey Boulevard, Boston, Massachusetts, 02125, United States of America ~72: CONNOR S DOBSON;KEVIN M FRIEDMAN;MOLLY R PERKINS;STEPHEN L SAZINSKY~ 33:US ~31:63/532,093 ~32:11/08/2023;33:US ~31:63/540,344 ~32:25/09/2023

2026/02127 ~ Complete ~54:LOW TFM HIGH MOISTURE POLYMERIC SILICA SOAP BARS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AMALENDU BANGAL;CHANDRA SEKHAR GHOSH;HIMANSHU AKRE;HITESH CHAKRAPANI GAJA;JANHAVI SANJAY RAUT;SIVA RAMA KRISHNA PERALA;SUDIPTA GHOSH DASTIDAR~ 33:EP ~31:23196551.8 ~32:11/09/2023

2026/02068 ~ Provisional ~54:SYSTEM AND METHOD FOR ON-DEMAND HUMAN LIVE PRESENCE AND VISUAL VERIFICATION ~71:PETER ALBERT VAN DER SPUY, 1 PLUMBAGO STREET, South Africa ~72: PETER ALBERT VAN DER SPUY~

2026/02072 ~ Provisional ~54:SYSTEM AND METHOD FOR ENTERPRISE-ISSUED SESSION-BOUND CALLER AUTHENTICITY SIGNALLING VIA TOKEN RELAY AND RECIPIENT VALIDATION WITH ABSENCE-OF-TOKEN SPOOF DETECTION ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/02076 ~ Complete ~54:SYSTEM FOR DISTRIBUTING DOSAGE FORMS ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110961 ~32:26/04/2025

2026/02081 ~ Complete ~54:SYSTEM FOR IDENTIFYING BODY STATUS ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110958 ~32:26/04/2025

2026/02088 ~ Complete ~54:SYSTEM FOR GENERATING CONTROL SIGNAL ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110970 ~32:26/04/2025

2026/02091 ~ Complete ~54:SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110976 ~32:26/04/2025

2026/02100 ~ Complete ~54:COMPUTER DEVICE FOR DISTRIBUTING DOSAGE FORMS ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110966 ~32:26/04/2025

2026/02103 ~ Complete ~54:SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING ~71:LIMITED LIABILITY COMPANY SIMPLETABS, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY,

UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110975 ~32:26/04/2025

2026/02112 ~ Complete ~54:CABLE TIE ~71:COMPY PTY LTD, 3 Rowe St, Malaga,, Australia ~72: KHOURY, Edward Joseph;KHOURY, Ross Stanley~ 33:AU ~31:2023902416 ~32:31/07/2023

2026/02070 ~ Provisional ~54:FLEET MANAGEMENT SYSTEM ~71:Sakhile Bayi, Kiepersollan Ave, Tasbet Park 1034, South Africa ~72: Sakhile Bayi~ 33:ZA ~31:1 ~32:19/02/2026

2026/02075 ~ Complete ~54:SYSTEM FOR GENERATING DATABASE OF BODY STATUSES ~71:LIMITED LIABILITY COMPANY DEVIMED, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, PT_CP_ZA00013752, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110957 ~32:26/04/2025

2026/02096 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110964 ~32:26/04/2025

2026/02101 ~ Complete ~54:SYSTEM FOR GENERATING CONTROL SIGNAL ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110968 ~32:26/04/2025

2026/02106 ~ Complete ~54:MACHINE-READABLE STORAGE MEDIUM FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123965 ~32:31/08/2025

2026/02109 ~ Complete ~54:TLR AGONIST COMPOUNDS AND CONJUGATES ~71:PHILOCHEM AG, Libernstrasse 3, 8112 Otelfingen, Switzerland ~72: ANDREA GALBIATI;DARIO NERI;MARTA MASCELLANI;MATILDE BOCCI;MATILDE MONACI;SAMUELE CAZZAMALLI~ 33:EP ~31:25 163 114.9 ~32:11/03/2025;33:EP ~31:25 178 846.9 ~32:26/05/2025

2026/02116 ~ Complete ~54:COMBINATION OF CXD101 AND AN IL-15 SUPERAGONIST TO TREAT PROLIFERATIVE DISEASES SUCH AS CANCER ~71:CELLERON THERAPEUTICS LIMITED, Magdalen Centre, Oxford Science Park, Oxford, United Kingdom ~72: BARCZAK, Wojciech;LA THANGUE, Nicholas~ 33:GB ~31:2315149.1 ~32:03/10/2023

2026/02067 ~ Provisional ~54:COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR NETWORK-INTELLIGENT GOVERNANCE AND REGULATORY RISK SCORING WITH INFLUENCE-WEIGHTED CONTAGION PROPAGATION, MATERIALITY-BASED SEVERITY CLASSIFICATION, BEHAVIORAL PATTERN DETECTION, TEMPORAL DECAY WITH RECENCY CLUSTERING, AND PREDICTIVE GOVERNANCE FAILURE MODELING ~71:Dennis Mark Germishuys, Oxford Office Park, South Africa ~72: Dennis Mark Germishuys~

2026/02074 ~ Complete ~54:ADAPTED COMPOSITE SAFETY NET FOR CONCUSSION IMPACT MITIGATION ~71:NICAUD COMPANIES 22 (PTY) LTD, Platinum Industrial Park, 88 van Belkum Street, South Africa ~72: FLANAGAN, Fredrick William~ 33:ZA ~31:2025/01599 ~32:21/02/2025

2026/02086 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING CONTROL SIGNAL ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110965 ~32:26/04/2025

2026/02095 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING CONTROL SIGNAL ~71:LIMITED LIABILITY COMPANY INSESCAN, VN.TER.G. MUNITSYPALNIY OKRUG AKADEMICHESKIY, UL DMITRIYA ULIANOVA, D. 30, K. 2, MOSCOW, 117292, Russian Federation ~72: KRAVCHENKO Alexander Aleksandrovich~ 33:RU ~31:2025110963 ~32:26/04/2025

2026/02111 ~ Complete ~54:ANTI-INFLAMMATORY, ANALGESIC AND ANTIPYRETIC SUPPOSITORY ~71:GIE, Christo, 13 Helderzichstraat, Proteahoogte,, South Africa ~72: GIE, Christo~ 33:ZA ~31:2023/04567 ~32:20/04/2023

2026/02118 ~ Complete ~54:CAPPED MRNA AND METHOD OF PREPARATION THEREOF ~71:SUZHOU ABOGEN BIOSCIENCES CO., LTD., B1-501, 218 Xinghu Ave, Biobay, Suzhou Industrial Park, Suzhou, Jiangsu, 215123, People's Republic of China ~72: BO YING;HUAYUAN YAN;PENG GAO~ 33:CN ~31:PCT/CN2023/112499 ~32:11/08/2023

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2026/02131 ~ Provisional ~54:MODULAR BIOLOGICAL COMPUTATIONAL CARTRIDGE PLATFORM WITH INTEGRATED THERMAL ISOLATION AND ENVIRONMENTAL COUPLING INTERFACE FOR HOST COMPUTING SYSTEMS ~71:Andre, 29 Eybers, South Africa ~72: Andre~

2026/02138 ~ Provisional ~54:RIVERLOUNGE ~71:JAKO LAUBSCHER, 135 CAMPGROUND RD, 11 MONTEREY PLACE, South Africa ~72: Jako Laubscher~

2026/02163 ~ Complete ~54:ORGANO-FUNCTIONAL SILICONE CROSSLINKER AND DURABLE FINISHING COMPOSITION FORMED THEREFROM ~71:ARCHROMA (SWITZERLAND) GMBH, Hardstrasse 1 , 4133, Pratteln, Switzerland ~72: CHAYA M THAKKAR PATEL;MEENAL MEHRA;RAJA KALIAPPAN;RISHI KUMAR;SANOOJ NARAYANAN~ 33:IN ~31:202311062832 ~32:19/09/2023;33:EP ~31:23210944.7 ~32:20/11/2023

2026/02171 ~ Provisional ~54:MINEFORGE APEX ~71:MINEFORGE APEX, NO 28A INDUSTRIAL CRESCENT, South Africa ~72: MINEFORCE APEX~

2026/02140 ~ Complete ~54:METHODS OF TREATING PROSTATE CANCER ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE B-2340, BELGIUM, Belgium ~72: GOTTARDIS, Marco;HAWKINS, Rebecca;SNYDER, Linda;YAMADA, Douglas H.~ 33:US ~31:62/368,466 ~32:29/07/2016;33:US ~31:62/369,239 ~32:01/08/2016

2026/02142 ~ Complete ~54:A RECHARGEABLE POWER BANK PACKAGE ~71:CELLUCITY (PTY) LTD, Suite 203, 2nd Floor, Northwing, Granger Bay Court, Beach Road, V&A Waterfront, Cape Town, South Africa ~72: SEAN HAROLD DAVID JOFFE~

2026/02146 ~ Complete ~54:METHOD FOR TREATING A TYRE PYROLYSIS OIL ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois Préau, France;REPSOL S.A., C/ Mendez Alvaro, Spain ~72: BONNARDOT, Jérôme;DECOTTIGNIES, Dominique;JOFFRE, Denis;MALDONADO, Floriane;MARTÍNEZ – ALMENDROS FERNÁNDEZ, David;SOUCHON, Vincent;WEISS, Wilfried~ 33:FR ~31:FR2309631 ~32:13/09/2023

2026/02152 ~ Complete ~54:A MOTOR ASSEMBLY WITH OVERRUNNING CLUTCH ~71:TRISKEL MARINE LIMITED, Unit 1 Marine Renewables Energy Park, North Quay, HAYLE TR27 4DD, CORNWALL, UNITED KINGDOM, United Kingdom ~72: CRAWFORD, Jason;LACK, Christopher~ 33:GB ~31:2312710.3 ~32:18/08/2023

2026/02130 ~ Provisional ~54:DETERMINISTIC REGENERATIVE ENERGY SYSTEM (DRES) ~71:7 SLASH INNOVATIONS, 58 Van Den Heever Street, South Africa ~72: Thabang Timothy Mambalo~

2026/02133 ~ Provisional ~54:LED LIGHT-BULB WITH AN IMPROVED NEAR FIELD EMI FILTER ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2026/02134 ~ Provisional ~54:HYDROGEN HYBRID EVTOL AIRCRAFT WITH TURBINE-BASED HIGH-ALTITUDE CRUISE ASSIST AND AI-MANAGED SMART CORRIDOR NAVIGATION SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02135 ~ Provisional ~54:THE VERTICAL GRAPHENE-COPPER HYBRID THERMAL CAPILLARY PHASE BRIDGE ~71:Katleho Welkom, 1399 Ximuwu Street,Lufhereng, South Africa ~72: Katleho Welkom~

2026/02145 ~ Complete ~54:A PROCESS FOR THE PREPARATION OF SYRUP FROM SUGARCANE ~71:KULKARNI, Vishnukumar, Mahadeo, 1004, Siddharth Towers (building 2); 12 /3B, Kothrud, Pune, India ~72: KULKARNI, Vishnukumar, Mahadeo~ 33:IN ~31:202321075174 ~32:03/11/2023

2026/02155 ~ Complete ~54:PROCESS FOR PRODUCING (3S,6R)-6-(CYANOMETHYL)- TETRAHYDRO-2H-PYRAN-3-AMINE ~71:BIOHAVEN THERAPEUTICS LTD., Biohaven Therapeutics, Inc., Kingston Chambers, P.O. Box 173, ROAD TOWN VG1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British) ~72: ANUSUYA, Bal Reddy;BODUGAM, Mahipal;LEAHY, David~ 33:US ~31:63/518,854 ~32:10/08/2023

2026/02157 ~ Complete ~54:STAT6 DEGRADERS AND USES THEREOF ~71:KYMERA THERAPEUTICS, INC., 500 North Beacon Street, 4th Floor, WATERTOWN 02472, MA, USA, United States of America ~72: BEUMING, Thijs;COLLIER, Philip;DONG, Huijun;FEI, Xue;FOLLOWS, Bruce C.;HUANG, Xin;MAINOLFI, Nello;SU, Lijing;WEISS, Matthew M.;YANG, Bin;ZHANG, Yi;ZHENG, Xiaozhang;ZHU, Xiao~ 33:US ~31:63/579,812 ~32:30/08/2023;33:US ~31:63/617,359 ~32:03/01/2024;33:US ~31:63/649,863 ~32:20/05/2024;33:US ~31:63/678,903 ~32:02/08/2024

2026/02162 ~ Complete ~54:DOSAGE OF ANTIBODY DRUG CONJUGATE RINATABART SESUTECAN ~71:GENMAB A/S, Carl Jacobsens Vej 30, 2500, Valby, Denmark ~72: BAITENG ZHAO;TAE HAN~ 33:US ~31:63/585,585 ~32:26/09/2023;33:US ~31:63/674,151 ~32:22/07/2024;33:US ~31:63/691,804 ~32:06/09/2024

2026/02165 ~ Complete ~54:BEVERAGE DISPENSING SYSTEM COMPRISING A PYTHON AND A COOLER WITH A CONNECTOR FOR CONNECTING THE PYTHON; PYTHON WITH A CONNECTOR; CONNECTOR UNIT WITH SOCKETS ~71:MICRO MATIC A/S, Holkebjergvej 48 5250 Odense SV, Denmark ~72: KLAUS WIEMER;MAGNÚS VILHJÁLMUR ÁRNASON~ 33:DK ~31:PA202370405 ~32:10/08/2023

2026/02160 ~ Complete ~54:TL1A BINDING ANTIBODIES AND METHODS OF USE ~71:PARAGON THERAPEUTICS, INC., 221 Crescent Street, Building 23, Suite 105, Waltham, Massachusetts, 02453, United States of America ~72: DANIEL RIOS;ERIC FRANKLIN ZHU;HUSSAM HISHAM SHAHEEN~ 33:US ~31:63/519,056 ~32:11/08/2023;33:US ~31:63/592,535 ~32:23/10/2023;33:US ~31:63/599,923 ~32:16/11/2023;33:US ~31:63/604,104 ~32:29/11/2023;33:US ~31:63/554,897 ~32:16/02/2024;33:US ~31:63/554,916 ~32:16/02/2024;33:US ~31:63/559,060 ~32:28/02/2024;33:US ~31:63/559,071 ~32:28/02/2024

2026/02141 ~ Complete ~54:COMPOSITIONS TARGETING EPIDERMAL GROWTH FACTOR RECEPTOR AND METHODS FOR MAKING AND USING THE SAME ~71:Amunix Pharmaceuticals, Inc., 2 Tower Pl #1100, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DUBROVSKAYA, Viktoriya;FRENZEL, André;JOHANSEN, Eric;KHORSAND, Sina;KUHN, Philipp;LIU, Lucas;SCHELLENBERGER, Volker;TO, Milton;YOUNG, Tracy~ 33:US ~31:63/459,828 ~32:17/04/2023;33:US ~31:63/463,273 ~32:01/05/2023

2026/02144 ~ Complete ~54:INSECTICIDAL MIXTURES ~71:GLOBACHEM NV, Lichtenberglaan 2019 3800, Belgium ~72: ZWARTS, Liesbeth~ 33:EP ~31:23188968.4 ~32:01/08/2023

2026/02150 ~ Complete ~54:A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Athina PUYPE;Elvan EKIZ;Lucas SCHIAVONE;Martin LIEBEHERR;Sébastien CHAMPEMAUD;Wahib SAIKALY~

2026/02156 ~ Complete ~54:ANTIBODY-DRUG CONJUGATES BASED ON MOLECULAR GLUE DEGRADERS AND USES THEREOF ~71:CENTRE LEON BERARD, 28 rue Laennec, LYON 69008, FRANCE, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3, rue Michel Ange, PARIS 75016, FRANCE, France;ECOLE SUP CHIMIE PHYS ELECTRONIQ LYON (CPE LYON), 43 boulevard du 11 novembre 1918, VILLEURBANNE 69100, FRANCE, France;HOSPICES CIVILS DE LYON, 3 Quai des Celestins, LYON 69002, FRANCE, France;INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE, 101, rue de Tolbiac, PARIS 75013, FRANCE, France;INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON, 20 avenue Albert Einstein, VILLEURBANNE 69100, FRANCE, France;MABLINK BIOSCIENCE, 31 Rue Gorge de Loup, 2 Rue de la Fraternelle, LYON 69009, FRANCE, France;UNIVERSITE CLAUDE BERNARD LYON 1, 43 Boulevard du 11 novembre 1918, VILLEURBANNE 69100, FRANCE, France ~72: CONILH, Louise;DUMONTET, Charles;FOURNET, Guy;JOSEPH, Benoît;VIRICEL, Warren~ 33:EP ~31:23306420.3 ~32:25/08/2023

2026/02166 ~ Complete ~54:IMPROVED FLOW SYNTHESIS ~71:BAE SYSTEMS PLC, 6 Carlton Gardens, London, SW1Y 5AD, United Kingdom ~72: CHRISTOPHER JONES;DANIEL JUBB;IAN EWART PATTERSON MURRAY;MATTHEW PAUL DIDSBURY;NAIL JOHN MCWHIR;SIMON DAVID THOMAS;STUART KENNEDY~ 33:GB ~31:2312303.7 ~32:11/08/2023;33:EP ~31:24275061.0 ~32:14/05/2024;33:GB ~31:2406774.6 ~32:14/05/2024;33:GB ~31:2406776.1 ~32:14/05/2024

2026/02147 ~ Complete ~54:METHOD FOR RECYCLING PLASTICS BY DISSOLUTION AND OPTIMIZED POLYMER-SOLVENT SEPARATION ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois Préau, France ~72: GIRARDON, Stephane;HAROUN, Yacine;LEINEKUGEL LE COCQ, Damien;MANCINO, Gianluca;WEISS, Wilfried~ 33:FR ~31:FR2311357 ~32:20/10/2023

2026/02149 ~ Complete ~54:METHOD FOR PURIFYING A PICKLING SOLUTION ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Diego GARCÉS ALONSO;Vanesa María MENÉNDEZ DELMIRO~ 33:IB ~31:PCT/IB2023/059590 ~32:27/09/2023

2026/02151 ~ Complete ~54:A LIQUID AGROCHEMICAL COMPOSITION ~71:UPL LIMITED, Uniphos House, CD Marg, 11th Road, Madhu Park, Khar (West), India ~72: MUKHERJEE, Dev Varta;SAINI, Anil Kumar;SHARMA, Shiv Kumar;SHIRSAT, Rajan Ramakant~ 33:IN ~31:202321050486 ~32:26/07/2023

2026/02139 ~ Provisional ~54:SYSTEM AND METHOD FOR TIERED MICRO-PROCUREMENT, MULTI-ENDPOINT SETTLEMENT, AND CANONICAL EVIDENCE FOR LOCAL SERVICE AND COMMERCIAL TRANSACTIONS ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/02148 ~ Complete ~54:B7-H3 ANTIBODY-DRUG CONJUGATES ~71:MACROGENICS, INC., 9704 Medical Center Dr., United States of America ~72: Deryk LOO;Jennifer Gayle BROWN;Juniper A. SCRIBNER~ 33:US

~31:63/578,792 ~32:25/08/2023;33:US ~31:63/571,810 ~32:29/03/2024;33:US ~31:63/685,326 ~32:21/08/2024

2026/02159 ~ Complete ~54:RESIN INJECTION DEVICE, SYSTEM AND METHOD, USE OF THE RESIN INJECTION SYSTEM, UNDERGROUND ROCK DRILLING MACHINE AND ROCK ANCHOR INSTALLATION METHOD ~71:Geobrugg AG, Aachstrasse 11, Switzerland ~72: John Shane BROWN;Rico BRAENDLE~ 33:AU ~31:2023241265 ~32:03/10/2023

2026/02161 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING CTNNB1-ASSOCIATED DISORDERS ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: AKIN AKINC;ARTHUR DECILLIS;GLORIA LAU;MARTIN A MAIER;WENDY BROOM~ 33:US ~31:63/530,716 ~32:04/08/2023;33:US ~31:63/662,507 ~32:21/06/2024

2026/02137 ~ Provisional ~54:A SYSTEM FOR, AND A METHOD OF, TRUSTED CAPTURE AND VERIFIABLE PROVENANCE OF PHYSICAL COLLECTIBLE DATA ~71:WELLS, Shaun Gareth, 19 Veenwouden, Avalon Estate, South Africa ~72: WELLS, Shaun Gareth~

2026/02154 ~ Complete ~54:MOLECULAR GLUE DEGRADERS AND USES THEREOF ~71:CENTRE LEON BERARD, 28 rue Laennec, LYON 69008, FRANCE, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3, rue Michel Ange, PARIS 75016, FRANCE, France;ECOLE SUP CHIMIE PHYS ELECTRONIQ LYON (CPE LYON), 43 boulevard du 11 novembre 1918, VILLEURBANNE 69100, FRANCE, France;HOSPICES CIVILS DE LYON, 3 Quai des Celestins, LYON 69002, FRANCE, France;INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE, 101, rue de Tolbiac, PARIS 75013, FRANCE, France;INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON, 20 avenue Albert Einstein, VILLEURBANNE 69100, FRANCE, France;MABLINK BIOSCIENCE, 31 Rue Gorge de Loup, 2 Rue de la Fraternelle, LYON 69009, FRANCE, France;UNIVERSITE CLAUDE BERNARD LYON 1, 43 Boulevard du 11 novembre 1918, VILLEURBANNE 69100, FRANCE, France ~72: CONILH, Louise;DUMONTET, Charles;FOURNET, Guy;JOSEPH, Benoît;VIRICEL, Warren~ 33:EP ~31:23306421.1 ~32:25/08/2023

2026/02158 ~ Complete ~54:HIGH-POWER SOLAR PHOTOVOLTAIC POWER STATION CAPABLE OF VEHICLE-MOUNTED MOBILITY AND CONVENIENT TO FOLD AND UNFOLD ~71:JIANGSU BESTA NEW ENERGY TECHNOLOGY CO., LTD, No.6 Huancheng West Road, Lailong Functional Polymer Materials Industrial Park, Lailong Town, Suyu District, SUQIAN 223851, JIANGSU, CHINA (P.R.C.), People's Republic of China;XINJIANG ZM-BESTA HEAVY STEEL STRUCTURE CO., LTD, No.17 Chengqi Road, Kuitun Development Zone, Kuitun Ili, XINJIANG 833299, CHINA (P.R.C.), People's Republic of China;XUZHOU ZHONGMEI HITECH INTERNATIONAL ENGINEERING CO., LTD, No.8 Jingang Road., Xuzhou Economic and Technological Development Zone, XUZHOU 221116, JIANGSU, CHINA (P.R.C.), People's Republic of China;XUZHOU ZM-BESTA HEAVY STEEL STRUCTURE CO., LTD, No.1 Xiangjiang East Road, High-Tech Industrial Development Zone, XUZHOU 221116, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: NIU, Xinyang;WANG, Daowei;ZHANG, Weihe;ZUO, Lixiang~ 33:CN ~31:202410621133.4 ~32:20/05/2024

2026/02168 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS OF ANTI-IGF-1R ANTIBODIES ~71:VIRIDIAN THERAPEUTICS, INC., 221 Crescent Street, Suite 103A, Waltham, United States of America ~72: BACH, Kevin;GUO, Jeremy;HUYGHE, Bernard Gaetan;NUGENT, Sean T.;SHE, Angela;TANG, Yao~ 33:CN ~31:PCT/CN2023/117341 ~32:06/09/2023;33:CN ~31:202411218553.4 ~32:30/08/2024

2026/02170 ~ Provisional ~54:CASHFLEX - FLEXCODE - FLEXCASH ~71:FANIE MOLOI, 95 FORMOSA AVENUE, South Africa ~72: FANIE MOLOI`~

2026/02164 ~ Complete ~54:BLUE METHANOL ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: PER JUUL DAHL;SØREN GRØNBORG ESKESEN;TINE SHIM~ 33:DK ~31:PA202330140 ~32:02/08/2023

2026/02167 ~ Complete ~54:HIGH PRESSURE METHANOL WASH COLUMN ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: PER JUUL DAHL;STEINAR YAN WANG~ 33:DK ~31:PA202330165 ~32:24/08/2023

2026/02132 ~ Provisional ~54:FOCUS SHIELD APPLICATION ~71:Gundo Munzhelele, Phiphidi Ndondola, South Africa;Israel Manyua, Manyuwa, South Africa ~72: Manyua Israel;Munzhelele Gundo~

2026/02136 ~ Provisional ~54:CRANKSHAFT-INTEGRATED ELECTROMAGNETIC ENERGY RECOVERY ENGINE WITH ADAPTIVE HYBRID POWER MANAGEMENT ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02143 ~ Complete ~54:COLLECTING AND PROCESSING ITEM DATA ELEMENTS ~71:NEXON LABS (PTY) LTD, Unit C2/116, 1st floor, block 2, Northgate Business Park, Corner Section Street & Koeberg Road, Paarden Eiland, South Africa ~72: DU TOIT, Hein van Eeden;WILLIAMS, Jonathan Constant~

2026/02153 ~ Complete ~54:GROOVED RAIL FOR FORMING TRAFFIC ROUTES FOR RAIL VEHICLES, AND METHOD FOR IDENTIFYING GROOVED RAILS IN A RAIL TRACK ~71:VOESTALPINE RAIL TECHNOLOGY GMBH, Kerpelystraße 199, LEOBEN 8700, AUSTRIA, Austria ~72: KANZIAN, Bernhard;PRETTNER, Lukas~ 33:EP ~31:23020558.5 ~32:18/12/2023

2026/02337 ~ Provisional ~54:QILLY CONTRUCTION CONSORTIUM PROJECT MANAGEMENT SYSTEM ~71:SELLOANE PENELOPE LEBALLO, No 30 Summerfield Village, South Africa ~72: SELLOANE PENELOPE LEBALLO~ 33:ZA ~31:1 ~32:22/02/2026

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2026/02206 ~ Complete ~54:DRILL BIT ~71:EPIROC DRILLING TOOLS AKTIEBOLAG, Box 521, 737 25, Fagersta, Sweden ~72: JIMMY CARLSSON~

2026/02211 ~ Complete ~54:POLYMORPHIC FORMS OF EPINEPHRINE MALONATE ~71:BIOTHEA PHARMA, INC., 2 Avery Street, Suite 21E Boston, Massachusetts 02111, United States of America ~72: ADEL MOUSSA;JEAN-PIERRE SOMMADOSSI~ 33:US ~31:63/535,184 ~32:29/08/2023;33:US ~31:63/573,095 ~32:02/04/2024

2026/02179 ~ Provisional ~54:INTEGRATED MANUFACTURING-PROCESS-AWARE QUALITY MANAGEMENT PLATFORM FOR AUTOMOBILE PRODUCTION (AUTOPROD-QMS™) ~71:Banzi Cornelius Nkosi, The Innovation Hub Management Company. Office M61. The Innovation Centre Building. 1 Mark Shuttleworth Street. Lynwood Manor, South Africa ~72: Banzi Cornelius Nkosi~

2026/02181 ~ Provisional ~54:HYBRID FLAT-6 POWERTRAIN WITH PREDICTIVE AI-COORDINATED MULTI-SOURCE BOOST MANAGEMENT, SUPERCAPACITOR ENERGY BUFFERING, AND INTEGRATED TORQUE VECTORING ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02188 ~ Complete ~54:AUSTENITE STAINLESS STEEL INCLUDING NIOBIUM ~71:DOOSAN ENERBILITY CO., LTD., 555, Gwigok-dong, CHANGWON-SI 641-792, GYEONGSANGNAM-DO, REPUBLIC OF KOREA, Republic of Korea ~72: CHA, Dojin;JUNG, Geun Su;SHIN, Jongho;SONG, Yongjin;YOOK, Simkyun~ 33:KR ~31:10-2025-0024358 ~32:25/02/2025;33:KR ~31:10-2025-0092254 ~32:09/07/2025

2026/02194 ~ Complete ~54:SEPARATOR PLATE, AND PRODUCTION METHOD USING POLYMERIC BINDERS WITH HIGH AND LOW MFI AND A FUEL CELL WITH SUCH SEPARATOR PLATE ~71:BLUE WORLD TECHNOLOGIES HOLDING APS, LANGERAK 15A, 9220 AALBORG OEST, DENMARK, Denmark ~72: GROMADSKYI, Denys~ 33:DK ~31:PA202330161 ~32:23/08/2023

2026/02202 ~ Complete ~54:CAPSULE FOR THE PREPARATION OF A BEVERAGE ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: GERBER, Gilles;HEYDEL, Christophe Sébastien Paul;OBLIGER, Nicolas~ 33:EP ~31:23189361.1 ~32:03/08/2023

2026/02183 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE PATCH FOR EASY DRESSING CHANGE AND ITS PREPARATION METHOD ~71:THE AFFILIATED HOSPITAL TO CHANGCHUN UNIVERSITY OF CHINESE MEDICINE, No.1478 Gongnong Road, Chaoyang District, Changchun City, Jilin Province, Changchun, People's Republic of China ~72: Chen Hao;Wang Jiankang;Wang Yiqiang;Wu Liying~

2026/02210 ~ Complete ~54:LAMPS AND MONITORING DEVICES FOR FLYING-INSECT TRAPS ~71:RENTOKIL INITIAL 1927 PLC, Compass House, Manor Royal, Crawley, RH10 9PY, United Kingdom ~72: ALED JAMES;DANIEL PRESS;JAMES DAVID SPENCER BOZEAT;LUIS MAURICIO SILVA PERDIGAO;LUKE MICHAEL SEMPLE;MARKOS SAVVIDIS;MICHAEL EDWARD BEST;NEIL LANGLEY~ 33:GB ~31:2313276.4 ~32:31/08/2023

2026/02180 ~ Provisional ~54:ADAPTIVE SUPERSONIC TURBOJET ENGINE WITH AI-DRIVEN VARIABLE GEOMETRY CONTROL, DIGITAL TWIN OPTIMIZATION, AND HYBRID SPOOL ASSIST ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02186 ~ Complete ~54:A FINGERPRINT AUTHENTICATION AND REMOTE CONTROL BASED SECURE IRRIGATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BONDRE, Rajwardhan Anandrao;DHEKALE, Rohan Prakash;KALLAWAR, Prapti;MUSANE, Dipak Dattarao;PHADTARE, Yash Vijay;SHARMA, Nakul~

2026/02198 ~ Complete ~54:METHOD AND SYSTEM FOR PRODUCING LOW CARBON FERROCHROME FROM CHROMITE ORE AND LOW CARBON FERROCHROME PRODUCED THEREBY ~71:MM METALS USA, LLC, 53 Middle Drive, Fairless Hills, United States of America ~72: LANGE, Ottmar Aloys;SHAW, Daniel;VAN DER MERWE, Adriaan Jacobus~ 33:US ~31:18/229,467 ~32:02/08/2023;33:US ~31:18/756,430 ~32:27/06/2024

2026/02209 ~ Complete ~54:PROTEINS FOR REGULATION OF SYMBIOTIC INFECTION AND ASSOCIATED REGULATORY ELEMENTS ~71:UNIVERSITY OF FREIBURG, Stefan-Meier-Str. 8, D-79104, Freiburg, Germany ~72: GUOFENG ZHANG;THOMAS OTT~ 33:US ~31:63/579,505 ~32:29/08/2023

2026/02693 ~ Provisional ~54:AUTOMATED ICE BALL PRODUCTION SYSTEM ~71:Derich Martin Gerber, 29 Strand Mews, South Africa ~72: Derich Gerber~ 33:ZA ~31:20260223 ~32:23/02/2026

2026/02190 ~ Complete ~54:AUSTENITE STAINLESS STEEL INCLUDING COPPER ~71:DOOSAN ENERBILITY CO., LTD., 555, Gwigok-dong, CHANGWON-SI 641-792, GYEONGSANGNAM-DO, REPUBLIC OF KOREA, Republic of Korea ~72: CHA, Dojin;JUNG, Geun Su;SHIN, Jongho;SONG, Yongjin;YOOK, Simkyun~ 33:KR ~31:10-2025-0024357 ~32:25/02/2025;33:KR ~31:10-2025-0092255 ~32:09/07/2025

2026/02193 ~ Complete ~54:PROCESS OF MAKING 2-[(3R)-2-[4-AMINO-3-(2-FLUORO-4-PHENOXY-PHENYL)PYRAZOLO[3,4-D]PYRIMIDIN-1-YL]PIPERIDINE-1-CARBONYL]-4- METHYL-4[4-(OXETAN-3-YL)PIPERAZIN-1-YL]-PENT-2-ENENITRILE AND SOLVATE FORMS THEREOF ~71:PRINCIPIA BIOPHARMA

INC., 100 Morris St Morristown, United States of America ~72: COMTE, Myriam;COQUEREL, Gérard;CRUCIANI, Paul;LARQUETOUX, Laurent;LATREMOLIERE, Olivier;LEMAITRE, Clement;OCHSENBEIN, Philippe;SCHEUERMAN, Randall;VAN BEEK, Carim;VERSPROUMY, Pierre~ 33:US ~31:63/530,142 ~32:01/08/2023;33:EP ~31:23196351.3 ~32:08/09/2023

2026/02203 ~ Complete ~54:CAPSULE FOR THE PREPARATION OF A BEVERAGE ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: ABEGGLEN, Daniel;GERBER, Gilles~ 33:EP ~31:23189383.5 ~32:03/08/2023

2026/02172 ~ Provisional ~54:MODULAR BIOLOGICAL COMPUTATIONAL CARTRIDGE PLATFORM WITH INTEGRATED THERMAL ISOLATION AND ENVIRONMENTAL COUPLING INTERFACE FOR HOST COMPUTING SYSTEMS ~71:Andre, 29 Eybers, South Africa ~72: Andre~

2026/02177 ~ Provisional ~54:ACCOMMODATION UNIT ~71:CONQUEROR MANUFACTURERS (PTY) LTD, 4 REITZ STREET, South Africa ~72: DE VRIES, PHILIPPUS THEUNIS~

2026/02189 ~ Complete ~54:AUSTENITE STAINLESS STEEL INCLUDING SILICON ~71:DOOSAN ENERBILITY CO., LTD., 555, Gwigok-dong, CHANGWON-SI 641-792, GYEONGSANGNAM-DO, REPUBLIC OF KOREA, Republic of Korea ~72: CHA, Dojin;JUNG, Geun Su;SHIN, Jongho;SONG, Yongjin;YOOK, Simkyun~ 33:KR ~31:10-2025-0024359 ~32:25/02/2025;33:KR ~31:10-2025-0092253 ~32:09/07/2025

2026/02191 ~ Complete ~54:AUSTENITE STAINLESS STEEL INCLUDING BORON ~71:DOOSAN ENERBILITY CO., LTD., 555, Gwigok-dong, CHANGWON-SI 641-792, GYEONGSANGNAM-DO, REPUBLIC OF KOREA, Republic of Korea ~72: CHA, Dojin;JUNG, Geun Su;SHIN, Jongho;SONG, Yongjin;YOOK, Simkyun~ 33:KR ~31:10-2025-0024356 ~32:25/02/2025;33:KR ~31:10-2025-0092256 ~32:09/07/2025

2026/02195 ~ Complete ~54:MULTI-PATH CABLE CONNECTOR ~71:DIANGUANG EXPLOSION-PROOF TECHNOLOGY CO., LTD., No.180, Weiwu Road, Yueqing Economic Development Zone, Wenzhou, Zhejiang, 325600, People's Republic of China;ZHEJIANG XUTONG INTELLIGENT TECHNOLOGY CO., LTD., 1st & 3rd Floors, 6th Building, Dongfang Village Science Park, Wangzhai Village, Wengyang Street, Yueqing City, Wenzhou, Zhejiang, 325606, People's Republic of China ~72: CHEN, Shuozhi;HE, Chengfeng;LI, Yongyu;SUN, Yang;WANG, Wei;XIA, Xiaokai;YE, Chao;ZHANG, Jie;ZHAO, Qiang~ 33:CN ~31:202510446803.8 ~32:10/04/2025

2026/02199 ~ Complete ~54:ACCOUNT VENDING ~71:TRANS UNION LLC, 555 West Adams Street, CHICAGO 60661, IL, USA, United States of America ~72: AMRADI, Naveenkumar;BALARAMAN, Vinothkumar;KURRA, Sreedhar;RAZVI, Kumail;SEMINARA, Sandro;SMITH, Shantel~ 33:US ~31:18/456,274 ~32:25/08/2023

2026/02174 ~ Provisional ~54:SMART UTILITY METER APPARATUS ~71:GRIDWAVE TECHNOLOGIES, 220 Ottery Road, Ottery, South Africa ~72: ABRAHAMS, Ridwaan~

2026/02175 ~ Provisional ~54:PRACTICE MANAGEMENT PLATFORM ~71:OPTIVO HEALTH SOLUTIONS, Strand Eye Care, 3 Gordons Bay Dr, Charles Morkel Medical Centre, South Africa ~72: WOBBE, Heinrich August~

2026/02178 ~ Provisional ~54:ONE DEBIT ~71:Thabile Njamela, 29 Frere street, South Africa ~72: Thabile Keletso Njamela~

2026/02192 ~ Complete ~54:AUSTENITE STAINLESS STEEL INCLUDING TUNGSTEN ~71:DOOSAN ENERBILITY CO., LTD., 555, Gwigok-dong, CHANGWON-SI 641-792, GYEONGSANGNAM-DO, REPUBLIC

OF KOREA, Republic of Korea ~72: CHA, Dojin;JUNG, Geun Su;SHIN, Jongho;SONG, Yongjin;YOOK, Simkyun~ 33:KR ~31:10-2025-0024360 ~32:25/02/2025;33:KR ~31:10-2025-0092252 ~32:09/07/2025

2026/02205 ~ Complete ~54:LIGAND-CYTOTOXICITY DRUG CONJUGATES AND PHARMACEUTICAL USES THEREOF ~71:CHANGZHOU HANSOH PHARMACEUTICAL CO., LTD., 1028 Liaohe Road, Xinbei District, People's Republic of China;HANSOH BIO LLC, Hansoh Bio, 9900 Medical Center Drive, United States of America;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 11, No. 3728 Jinke Road, (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: LI, Qing;ZHOU, Ningyun~ 33:US ~31:63/592304 ~32:23/10/2023

2026/02207 ~ Complete ~54:SEALING MECHANISM FOR A BEVERAGE CONTAINER ~71:RUNWAY BLUE, LLC, 250 S 850 E Lehi, Utah, 84043, United States of America ~72: DAVID BYTHEWAY;DAVID O MEYERS;JOHN R OMDAHL II~ 33:US ~31:63/520,784 ~32:21/08/2023

2026/02212 ~ Complete ~54:VEHICLE STORAGE SYSTEM ~71:DECKED LLC, P.O. Box 885, Ketchum, Idaho 83340, United States of America ~72: JAMES CALVIN ALLAN;JOHN MASON MACARTHUR;JORDAN DANIEL LANNING;SAMUEL QUINTRELL WOOD;SHAUN CHRISTOPHER MUSTON;SPENCER ROBERT DAHL;WILLIAM BANTA~ 33:US ~31:18/461,420 ~32:05/09/2023

2026/02185 ~ Complete ~54:AN AI-ENABLED SYSTEM FOR REAL-TIME ECG MONITORING AND PREDICTIVE CARDIAC ANOMALY DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: FUGNAR, Shrikant;GAWANDE, Pravin Ganpatrao;GHULE, Gauri Vaijukumar;JADHAV, Pratik;KULKARNI, Shailesh Vasudeorao;SOMWANSHI, Pranav~

2026/02187 ~ Complete ~54:A MACHINE LEARNING AND IOT BASED DRIVER SAFETY AND DROWSINESS DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEDGAONKAR, Suruchi;JAGTAP, Gaurav Yuvraj;KAVHAT, Narendra Rajendra;KHANDARE, Harshdeep Baburao;KONDHAWALE, Aditya Eknath;SHARMA, Nakul~

2026/02201 ~ Complete ~54:3-(2-(DIMETHYLAMINO)ETHYL)-1H-INDOL-4-YL DERIVATIVES ~71:COMPASS PATHFINDER LIMITED, 3rd Floor, 1 Ashley Road, ALTRINCHAM WA14 2DT, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: BAKER, Thomas Matthew;BROWN, Andrew William;MORPHY, John Richard~ 33:US ~31:63/578,791 ~32:25/08/2023

2026/02204 ~ Complete ~54:COOLING APPARATUS ~71:ENVIRO-COOL (UK) LIMITED, Little Lucy's Farm, Lower Street, Hildenborough, United Kingdom ~72: LAHARNAR, Mitja~ 33:GB ~31:2312960.4 ~32:25/08/2023;33:GB ~31:2317005.3 ~32:06/11/2023

2026/02208 ~ Complete ~54:ANTIBODY AND USE THEREOF ~71:SHANGHAI YUNXUAN BIOTECHNOLOGIES, INC., Building C, No. 888 Huanhu West Second Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai, 201306, People's Republic of China ~72: BOYA ZHOU;ZHUSHAN ZHANG~ 33:CN ~31:202310921036.2 ~32:25/07/2023

2026/02173 ~ Provisional ~54:HARMONIC CONTINUITY BATTERY WITH TRANSFORMATION-GOVERNED MULTI-GATE STATE CONTROL ~71:Mr.Damon S Reaves, 2626 East Monument Street, Baltimore, Maryland, 21205, United States of America ~72: Mr. Damon S Reaves~

2026/02176 ~ Provisional ~54:SYSTEM AND METHOD FOR COLLECTING AND MEASURING USED OIL DEPOSITS WITH AUTOMATED USER REWARD ISSUANCE ~71:Lesetja Dikgale, 292 mimosa road, South Africa;Michanic PTY LTD, 206 Bram Fischer Drive, South Africa ~72: Lesetja Dikgale~

2026/02182 ~ Complete ~54:A CHINESE HERBAL ACUPOINT PATCH FOR PREVENTING SKIN INJURY AND ITS PREPARATION METHOD ~71:THE AFFILIATED HOSPITAL TO CHANGCHUN UNIVERSITY OF CHINESE MEDICINE, No.1478 Gongnong Road, Chaoyang District, Changchun City, Jilin Province, Changchun, People's Republic of China ~72: Chen Hao;Wang Jiankang;Wang Yiqiang;Wu Liying~

2026/02197 ~ Complete ~54:SECURITY FENCING ASSEMBLY AND FASTENER ~71:BARKERS ENGINEERING LIMITED, Westhaven House, Arleston Way, Shirley, United Kingdom ~72: WOOLRIDGE, Wayne~ 33:GB ~31:2314564.2 ~32:22/09/2023

2026/02200 ~ Complete ~54:3-(2-(DIMETHYLAMINO)ETHYL)-1H-INDOL-4-YL OLIGOMERIC DERIVATIVES ~71:COMPASS PATHFINDER LIMITED, 3rd Floor, 1 Ashley Road, ALTRINCHAM WA14 2DT, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: BAKER, Thomas Matthew;BROWN, Andrew William;MORPHY, John Richard~ 33:US ~31:63/578,799 ~32:25/08/2023

2026/02213 ~ Complete ~54:PROCESS AND SYSTEM FOR REMOVING CYANIDE FROM AN AQUEOUS FLUID ~71:COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, Clunies Ross Street Acton, Australian Capital Territory, 2601, Australia ~72: XIANWEN DAI~ 33:AU ~31:2023902617 ~32:17/08/2023

2026/02184 ~ Complete ~54:A RIDER SAFETY SYSTEM USING IOT ENABLED HELMET AND VEHICLE-MOUNTED PAGER ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BARAD, Abhijit Kiran;BHONDE, Aditya Mahendra;BORKUTE, Kalpaj Bhaskar;CHAUDHARI, Prasad B.;MATE, Anuja D.;PANDE, Vipul Nitin;SHARMA, Nakul Satpaul;SHELKE, Priya~

2026/02196 ~ Complete ~54:SET OF PAPER BAGS ~71:PAPIER-METTLER KG, Hochwaldstrasse 22, Germany ~72: FERRARINI, Fabrizio~ 33:IT ~31:102023000017958 ~32:31/08/2023

. - APPLIED ON 2026/02/25 -

2026/02223 ~ Provisional ~54:COORDINATED NETWORKED SAFETY-GATED RELEASE SYSTEM FOR FOOD COOKING AND DISPENSING MODULES ~71:Andrew Stuart van Aswegen, 4 lutgens Rd Rondebosch, South Africa ~72: Andrew Stuart van Aswegen~

2026/02233 ~ Provisional ~54:DECENTRALIZED ACCESS CONTROL AND PASSIVE VEHICLE TRACKING SYSTEM VIA LOCALIZED NODES ~71:Decentralized security grid, 87 Broadacres, South Africa ~72: Moloko Mokgobu~ 33:ZA ~31:1 ~32:24/02/2026

2026/02235 ~ Complete ~54:METHOD FOR ENRICHING GOLD FROM GOLD ORE TAILINGS ~71:Qinghai Geological Survey, Block C, Dikuang Garden, No.22 Shengli Road, Chengxi District, Xining City, Qinghai Province, 810099, People's Republic of China;The First Geological Exploration Institute of Qinghai Province, No.232, Ping'an Avenue, Ping'an District, Haidong City, Qinghai Province, 810699, People's Republic of China ~72: BAO, Shanbin;CHEN, Sulong;DU, Shengpeng;DUO, Deying;LI, Peng;QI, Dong;XIE, Hailin;XU, Hanbin;ZHANG, Dexin;ZHANG, Zhengzhi~

2026/02241 ~ Complete ~54:LIQUID DISPENSING DEVICE ~71:LANCE RICHARD ERNEST PAYET, 76 Mavelock Road, Greenwood Park, Durban, KwaZulu Natal, 4051, South Africa ~72: LANCE RICHARD ERNEST PAYET~ 33:ZA ~31:2025/06265 ~32:24/07/2025

2026/02245 ~ Complete ~54:MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF ~71:BEIJING RHEGEN BIOTECHNOLOGY

CO.,LTD., No. 415-45, 4th Floor, Building 1, No. 9 Yongchang North Road, People's Republic of China;SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., Floor 4, Building 2, Shenzhen Biological Incubation Base, No.10 Gaoxin Zhongyi Road, Maling Community, Yuehai Street, People's Republic of China;WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., Room 405-053, 4th Floor, Tower A, No. 777, Optics Valley 3rd Road, East Lake New Technology Development Zone, People's Republic of China ~72: HU, Yong;LI, Yafei;TANG, Zan;XU, Lianqiang;YUAN, Xincheng;ZHANG, Hao~ 33:CN ~31:202411997101.0 ~32:31/12/2024

2026/02254 ~ Complete ~54:RESOURCE EXCLUSION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ABREU, Renato, Barbosa;BUTHLER, Jakob, Lindbjerg;JACOBSEN, Thomas, Haaning;KIILERICH PRATAS, Nuno, Manuel;LIU, Yong;LUNTTILA, Timo, Erkki~

2026/02255 ~ Complete ~54:USER EQUIPMENT TYPE SWITCHING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DALSGAARD, Lars;DU, Lei;VASENKARI, Petri, Juhani~

2026/02263 ~ Complete ~54:EXTENDED-RELEASE FORMULATIONS OF KV7.2/7.3 POTASSIUM CHANNEL ACTIVATORS ~71:BIOHAVEN THERAPEUTICS LTD., Kingston Chambers, P.O. Box 173, ROAD TOWN VG1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British) ~72: BURUJU, Pavitra;HS, Raghuchandan;KUMAR, Rajesh;LAKKARAJU, Jhansi;REKA, Ajaya Kumar;SEVINSKY, Heather Johnson~ 33:US ~31:63/518,859 ~32:10/08/2023

2026/02275 ~ Complete ~54:HELIOSTAT DIRIGIBLE ~71:FIRST PECOS, LLC, 700 South James Avenue, Monahans, Texas, 79756, United States of America ~72: LEON A GREENBLATT~ 33:US ~31:63/535,104 ~32:29/08/2023

2026/02218 ~ Provisional ~54:REAL-TIME QUR'AN RECITATION ANALYSIS, CORRECTION, TRANSLATION, AND ADAPTIVE VOICE FEEDBACK SYSTEM ~71:Yusuf Mayet, 13A 6th Avenue, South Africa ~72: Yusuf Mayet~

2026/02236 ~ Complete ~54:A LOCATING SYSTEM ~71:O'CONNELL, Jonathan, 56 NEWTON ROAD, GANTS PLAZA, CAPE TOWN, 7140, SOUTH AFRICA, South Africa ~72: O'CONNELL, Jonathan~ 33:ZA ~31:2025/01691 ~32:25/02/2025

2026/02244 ~ Complete ~54:APPARATUS AND METHOD FOR PRODUCING A FLUIDISED BED ~71:THE UNIVERSITY OF NEWCASTLE, University Drive, Australia ~72: GALVIN, Kevin Patrick~ 33:AU ~31:2023902861 ~32:06/09/2023

2026/02247 ~ Complete ~54:PIPERIDINYLPYRIDINYLCARBONITRILE DERIVATIVES AS INHIBITORS OF GLUTAMINYL-PEPTIDE CYCLOTRANSFERASE AND GLUTAMINYL-PEPTIDE CYCLOTRANSFERASE LIKE PROTEIN ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BINDER, Florian Paul Christian;DAHMANN, Georg;HANDSCHUH, Sandra Ruth;REINDL, Sophia Astrid;WILLWACHER, Jens;YANG HAMILTON, James Young Soo~ 33:EP ~31:23191366.6 ~32:14/08/2023

2026/02248 ~ Complete ~54:CLAY CALCINATION WITH INERT MATERIAL DISCHARGING ~71:GEBR. PFEIFFER SE, BARBAROSSA-STRAßE 50 - 54, 67655 KAISERSLAUTERN, GERMANY, Germany ~72: REICHARDT, York;WOYWADT, Caroline~ 33:EP ~31:23189004.7 ~32:01/08/2023

2026/02252 ~ Complete ~54:PTM RETRANSMISSION RECEPTION BY UES IN RRC_INACTIVE/IDLE WITH DRX ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ELMALI, Ugur, Baran;M. SOLEYMANI, Dariush;MALKAMÄKI, Esa, Mikael;NARAYANAN, Subin~ 33:FI ~31:20235850 ~32:31/07/2023

2026/02256 ~ Complete ~54:METHOD AND APPARATUS FOR MEASURING AND REPORTING GROUP OF REFERENCE SIGNALS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: GAO, Jie;NHAN, Nhat-Quang;ROSA, Claudio;SUN, Jing Yuan~

2026/02264 ~ Complete ~54:DEVICE FOR DETECTING PARAMETERS IN THE AUTOMATIC MILKING OPERATIONS OF ANIMALS ~71:MILKLINE NG S.P.A., Via Mattei, 2 Località Gariga, PODENZANO (PC) 29027, ITALY, Italy ~72: VOYKOV MINCHEV, Vladimir~ 33:IT ~31:102023000018081 ~32:04/09/2023

2026/02265 ~ Complete ~54:COMBINATION OF A WEE1 INHIBITOR AND A PKMYT1 INHIBITOR ~71:DEBIOPHARM INTERNATIONAL S.A., Forum "après-demain", Chemin Messidor 5-7, LAUSANNE 1006, SWITZERLAND, Switzerland ~72: PIGGOTT, Luke;RODRIGO IMEDIO, Esteban;VASLIN CHESSEX, Anne~ 33:EP ~31:23197534.3 ~32:14/09/2023;33:EP ~31:23201260.9 ~32:02/10/2023

2026/02268 ~ Complete ~54:COMBINATION OF ANTIBODIES, OR ANTIGEN-BINDING FRAGMENTS THEREOF, FOR THE TREATMENT OF CANCERS ~71:XENOTHERA, 21 rue de la Noue Bras de Fer, 44200, Nantes, France ~72: CARINE CIRON;FIRAS BASSISSI;ODILE DUVAUX~ 33:EP ~31:23306703.2 ~32:04/10/2023

2026/02271 ~ Complete ~54:HETEROMERIC AGONISTIC ANTIBODIES TO IL-18 RECEPTOR ~71:DIAGONAL THERAPEUTICS INC., 300 Technology Square, Cambridge, Massachusetts, 02139, United States of America ~72: ALEXEY ALEXANDROVICH LUGOVSKOY;JEAN-CHRISTOPHE HUS;MELISSA GEDDIE~ 33:US ~31:63/545,278 ~32:23/10/2023

2026/02273 ~ Complete ~54:MOBILE GLASS RECYCLING ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: ADAM HAFER;ROBERT HIPPERT;SAMMY HOLASCHUTZ~ 33:US ~31:63/584,417 ~32:21/09/2023

2026/02276 ~ Complete ~54:A SOLID PROPYLENE GLYCOL DERIVED MATERIAL ~71:BIO ENERGY INGREDIENTS LIMITED, First Floor, Office 1B, The Herbert Building The Park, Ireland;CROSS VETPHARM GROUP UK LIMITED T/A BIMEDA UK, First Floor, Office 1B, The Herbert Building The Park, Ireland ~72: VENTER, Abraham~ 33:EP ~31:23195469.4 ~32:05/09/2023

2026/02230 ~ Provisional ~54:INTELLIGENT SENSOR MODULE ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Francois;BRUWER, Frederick Johannes;DU TOIT, Riaan;RADEMEYER, Daniel Barend;VILJOEN, Jean;WOLMARANS, Wikus~

2026/02237 ~ Complete ~54:WATER RESOURCE DETECTION DEVICE AND METHOD BASED ON PROFILE SAMPLING ~71:Haidong Natural Resources Research Center, No.23-9, Xinle Street, Nianbo Street, Ledu District, Haidong City, Qinghai Province, 810000, People's Republic of China;The First Geological Exploration Institute of Qinghai Province, No.232, Ping'an Avenue, Ping'an District, Haidong City, Qinghai Province, 810699, People's Republic of China ~72: LI, Peigeng;LI, Peng;WANG, Jiayou;XIE, Hailin;XU, Hanbin;ZHAO, Zhifei;ZHAO, Zongxiao~

2026/02262 ~ Complete ~54:PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED ALIPHATIC AMINES ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BLUM, Mathias;BOU HAMDAN, Farhan;BOUSSEMGHOUNE, Mohamed Abdelouahab;DUMEUNIER, Raphael;GODINEAU, Edouard;SMEJKAL, Tomas~ 33:EP ~31:23197738.0 ~32:15/09/2023

2026/02257 ~ Complete ~54:METHOD, APPARATUS AND COMPUTER PROGRAM FOR FRAMEWORK FOR PRU ASSOCIATION FOR AIML POSITIONING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610

ESPOO, FINLAND, Finland ~72: ASHRAF, Muhammad, Ikram;KESHAVAMURTHY, Prajwal;MICHALOPOULOS, Diomidis;SAHIN, Taylan~ 33:GB ~31:2311997.7 ~32:04/08/2023

2026/02243 ~ Complete ~54:VENTURI TUBE AND VENTURI FEEDING DEVICE ~71:FUJIAN LONGKING CO., LTD., No. 19, Mid Gongye Road, Xinluo District, Longyan, Fujian, 364000, People's Republic of China ~72: GUO, Zhihang;LIN , Yisheng;LIN, Chunyuan;LIN, Zhiqiang;RAO, Yilong;WANG, Jianchun;WU, Yansheng;YANG, Zhenliang;ZHANG, Kade;ZHANG, Yuan~ 33:CN ~31:202511435870.6 ~32:09/10/2025

2026/02246 ~ Complete ~54:METHODS FOR PRODUCTION OF PRECIPITATED CALCIUM CARBONATE (PCC) AND PCC PRODUCT ~71:SPECIALTY MINERALS (MICHIGAN) INC., 40600 Ann Arbor Rd. E, Ste 201 Plymouth, United States of America ~72: GAO, Bo;GAO, Haiyang;GAO, Xianzhong~

2026/02251 ~ Complete ~54:MULTI-CONSECUTIVE SLOTS TRANSMISSION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ABREU, Renato, Barbosa;BUTHLER, Jakob, Lindbjerg;JACOBSEN, Thomas, Haaning;KIILERICH PRATAS, Nuno, Manuel;LIU, Yong~

2026/02259 ~ Complete ~54:PROCESSING OF AUDIO STEREO SIGNAL ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: SCHUIJERS, Erik Gosuinus Petrus~ 33:EP ~31:23187751.5 ~32:26/07/2023

2026/02215 ~ Provisional ~54:ADAPTIVE VARIABLE-CYCLE SUPERSONIC AIRCRAFT ENGINE WITH AI OPTIMIZATION AND HYBRID ASSIST ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02217 ~ Provisional ~54:COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR CHANNEL-AGNOSTIC ACCOUNTABILITY TRACKING OF WHISTLEBLOWING OR ETHICS DISCLOSURES ~71:THE ETHICS ACADEMY (PROPRIETARY) LIMITED, 2nd Floor One Sturdee, 1 Sturdee Avenue, South Africa ~72: Tebogo Khaas~

2026/02219 ~ Provisional ~54:PERSONAL UNDERGROUND MINER EMERGENCY LIFE-DETECTION SYSTEM (PUMELDS) ~71:Mxolisi Raymond Shabangu, 70 Donaldson Avenue, South Africa ~72: Mxolisi Raymond Shabangu~

2026/02225 ~ Provisional ~54:MEDICAL INFORMATION CARD ~71:MR MAHLASEDI J N MAIBELA, 116 Letswalo Street, South Africa ~72: Mahlasedi Maibela~

2026/02229 ~ Provisional ~54:GRAVITY-BASED SLUDGE SEPARATOR FOR FRACTIONATING DRINKING WATER SLUDGE ~71:UNIVERSITY OF SOUTH AFRICA, Muckleneuk Campus, Theo van Wyk Building, PRETORIA 0001, SOUTH AFRICA, South Africa ~72: MAHLANGU, Oranso Themba;MULEJA, Adolph Anga;SNYMAN, Lukas Willem;VAN GRAAN, Erasmus;ZWANE, Qedile Innocent~

2026/02249 ~ Complete ~54:HERBICIDAL ALANINE ANALOGUES ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: HEINRICH, Marc;KORDES, Markus;KRAEMER, Gerd;NEWTON, Trevor, William;SEISER, Tobias~ 33:EP ~31:23189505.3 ~32:03/08/2023

2026/02267 ~ Complete ~54:ANTI-CD203C ANTIBODY CONJUGATES AND USES THEREOF ~71:GRANULAR THERAPEUTICS LIMITED, c/o Kreston Reeves LLP, Innovation House, Ramsgate Road, Sandwich, CT13 9FF, United Kingdom ~72: ORLA MARGARET CUNNINGHAM;WILLIAM JAMES JONATHAN FINLAY~ 33:US ~31:63/578,246 ~32:23/08/2023;33:US ~31:63/595,425 ~32:02/11/2023

2026/02214 ~ Provisional ~54:THERMOGEM ~71:ANDRE CLIFFORD SALZMANN, CRISP CRESCENT 1, WESTDENE, South Africa ~72: ANDRE CLIFFORD SALZMANN~

2026/02270 ~ Complete ~54:GLASS CONTAINER BLOW MOLDING, MOLDS, AND MOLD BOTTOM PLATES ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: STEFANIE MCCRUDDEN~ 33:US ~31:63/582,232 ~32:12/09/2023

2026/02220 ~ Provisional ~54:AUTOMATED FOOD DISPENSING SYSTEM WITH STRATEGIC CUSTOMER ASSEMBLY ENABLING SIMPLIFIED AUTOMATION ~71:Andrew Stuart van Aswegen, 4 lutgens Rd Rondebosch, South Africa ~72: Andrew Stuart van Aswegen~

2026/02216 ~ Provisional ~54:HYBRID ELECTRIC HYPERSONIC AIRCRAFT WITH DUAL-MODE RAMJET PROPULSION AND FUEL CELL AUXILIARY POWER ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02238 ~ Complete ~54:METHOD AND SYSTEM FOR ANALYZING THE STABILITY OF HIGH SLOPES WITH ANTI-SLIDING PILES ~71:Guangdong Songshan Polytechnic, No.188, Caoxi Road, Nanhua, Qujiang District, Shaoguan City, Guangdong Province, 512100, People's Republic of China;Ministry of Water Resources, Ministry of Transport, National Energy Bureau, Nanjing Hydraulic Research Institute, No.223, Guangzhou Road, Nanjing, Jiangsu Province, 210008, People's Republic of China;South China University of Technology, No.381 Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, 510641, People's Republic of China ~72: JIANG Junfeng;LIAO Kaixin;LYU Qing;SONG Danqing;ZENG Jieru;ZHAN Xunjin;ZHANG Jie;ZHAO Kunpeng~

2026/02253 ~ Complete ~54:APPARATUS, METHOD AND COMPUTER PROGRAM FOR AVAILABILITY OF A NETWORK SLICE SERVICE AREA ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AWADA, Ahmad;BULAKCI, Ömer;ELMALI, Ugur Baran;GODIN, Philippe;NASEER-UL-ISLAM, Muhammad;PAPA, Arled;WOLFNER, György Tamás~ 33:GB ~31:2311923.3 ~32:03/08/2023

2026/02277 ~ Provisional ~54:SYSTEM AND METHOD FOR NFC-TRIGGERED STRUCTURED PROCESS EXECUTION WITH CONFIGURABLE VALIDATION CONTROLS AND BACKEND SYNCHRONIZATION ~71:ORANGE BUSINESS GROUP, Unit 9 Prestige Park 3 Democracy Way Milnerton, South Africa ~72: Levi Corwin Moodley~

2026/02221 ~ Provisional ~54:AUTOMATED FOOD VENDING SYSTEM WITH OMNIDIRECTIONAL SLIDING SEPARATOR, PRECISION INGREDIENT-WIPER THROUGH-SLOTS, AND TAILORED BOX GEOMETRY FOR HYGIENIC IN-SITU MULTI-COMPONENT FOOD ASSEMBLY ~71:Andrew Stuart van Aswegen, 4 lutgens Rd Rondebosch, South Africa ~72: Andrew Stuart van Aswegen~

2026/02222 ~ Provisional ~54:COORDINATED NETWORKED SAFETY-GATED RELEASE SYSTEM FOR FOOD COOKING AND DISPENSING MODULES ~71:Andrew Stuart van Aswegen, 4 lutgens Rd Rondebosch, South Africa ~72: Andrew Stuart van Aswegen~

2026/02224 ~ Provisional ~54:INTEGRATED AUTOMATED FOOD VENDING SYSTEM COMBINING COORDINATED THERMAL RELEASE CONTROL, SAFETY-GATED COMPONENT DISPENSING, AND IN-CONTAINER GRAVITY-ASSISTED ASSEMBLY ~71:Andrew Stuart van Aswegen, 4 lutgens Rd Rondebosch, South Africa ~72: Andrew Stuart van Aswegen~

2026/02226 ~ Provisional ~54:ÉSAKA EXFOLIATING BODY SCRUB ~71:CYNTHIA PHINDILE MZIZI, 13508 MAISELA STREET, South Africa ~72: CYNTHIA PHINDILE MZIZI~

2026/02227 ~ Provisional ~54:PH CONTROLLED SELECTIVE TREATMENT/REMOVAL OF METALS, DYES AND NUTRIENTS USING A CUSTOMISED MULTISTAGE GRAVITY DRIVEN PHOTOCATALYTIC MEMBRANE REACTOR ~71:UNIVERSITY OF SOUTH AFRICA, Muckleneuk Campus, Theo van Wyk Building, PRETORIA

0001, SOUTH AFRICA, South Africa ~72: MAHLANGU, Oranso Themba;MULEJA, Adolph Anga;SNYMAN, Lukas Willem;ZWANE, Qedile Innocent~

2026/02228 ~ Provisional ~54:LIGHTWEIGHT, HIGHLY POROUS COMPOSITE CERAMIC MEMBRANES FROM REPURPOSED DRINKING WATER SLUDGE WITH ZEOLITE-LIKE PROPERTIES ~71:UNIVERSITY OF SOUTH AFRICA, Muckleneuk Campus, Theo van Wyk Building, PRETORIA 0001, SOUTH AFRICA, South Africa ~72: MAHLANGU, Oranso Themba;MULEJA, Adolph Anga;SNYMAN, Lukas Willem;ZWANE, Qedile Innocent~

2026/02231 ~ Provisional ~54:PROCESS FOR CONTROLLED LEACHING OF METALS AND NUTRIENTS FROM DRINKING WATER TREATMENT SLUDGE ~71:UNIVERSITY OF SOUTH AFRICA, Muckleneuk Campus, Theo van Wyk Building, PRETORIA 0001, SOUTH AFRICA, South Africa ~72: MAHLANGU, Oranso Themba;MAREE, Johannes Philippus;MULEJA, Adolph Anga;SNYMAN, Lukas Willem;ZWANE, Qedile Innocent~

2026/02232 ~ Provisional ~54:FANPERQ ~71:Blink Binary Pty Ltd, 1 Bester Road, The Block , Security Estate D015, Belville, 7530, South Africa, South Africa ~72: Blink Binary PTY Ltd~

2026/02234 ~ Complete ~54:HONEYCOMB SLEEVE ENERGY-ABSORBING ANCHOR BOLT AND SUPPORTING METHOD THEREOF ~71:China University of Mining and Technology, No. 1, Daxue Road, Tongshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: GAO Feng;GONG Peng;GONG Qi;HAO Yang;JI Ming;JU Minghe;MENG Qingbin;SHANG Xiaoji;SUN Qingpei;WU Han;ZHANG Kai;ZHANG Zhizhen~

2026/02239 ~ Complete ~54:METHOD FOR MANUFACTURING EXHAUST FLUE PREVENTING GAS BACKFLOW ~71:XinJiang Railway Vocational and technical college, No. 21 Pule Road, Yizhou District, Hami City, Xinjiang, People's Republic of China;ZhengZhou University, No. 100, Science Avenue, High-tech Development Zone, Zhengzhou City, Henan Province, People's Republic of China ~72: CHEN Ming;DENG Yuanyuan;DUAN Jingmin;DUAN Yaming;DUAN Yapeng;HU Tao;LIU Guangdong;MU Ali;SHANG Yixuan;WANG Anmin;WU Yujie;XIA Shuwei;ZHANG Jun;ZHANG Zhuo;ZHENG Na;ZHENG Yan~

2026/02240 ~ Complete ~54:GROUND-OPERABLE LIFTING AND POSITIONING TOOL, SYSTEM, AND METHOD FOR REMOTE PLACEMENT OF CARGO EDGE PROTECTORS IN FREIGHT SECURING OPERATIONS ~71:Steenkamp, Crystal Lèchè, 4 Jameson Street Strandvale, South Africa ~72: Steenkamp, Crystal Lèchè~ 33:ZA ~31:2025/01563 ~32:20/02/2025

2026/02242 ~ Complete ~54:PROTECTIVE CLOTHING FOR MEN AND WOMEN ~71:KABORATI HOLDINGS (PTY) LTD., Plot 108 Glen Austin, JOHANNESBURG 1685, Gauteng, SOUTH AFRICA, South Africa ~72: MAPOSA, Jeanette Khanyisa;SEBAKE, Tidimalo Thelma~ 33:ZA ~31:2025/00434 ~32:14/01/2025

2026/02250 ~ Complete ~54:APPARATUS, METHOD, COMPUTER PROGRAM AND BITSTREAM FOR QUALITY CONTROL AND/OR ENHANCEMENT OF AUDIO SCENES ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: FUCHS, Harald;GREWE, Yannik;HABETS, Emanuel;MURTAZA, Adrian;TORCOLI, Matteo~ 33:EP ~31:23187968.5 ~32:26/07/2023

2026/02258 ~ Complete ~54:METHOD AND APPARATUS FOR DETERMINING TRANSMISSION RESOURCE FOR INITIATINGDATA TRANSMISSION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KOSKINEN, Jussi-Pekka;TURTINEN, Samuli, Heikki;WU, Chunli~

2026/02260 ~ Complete ~54:WATER-BASED COMPOSITIONS CONTAINING PYRETHROIDS ~71:ADAMA MAKHTESHIM LTD., P.O. Box 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: DAHAN, Yogev;STERN, Nadya~ 33:US ~31:63/520,489 ~32:18/08/2023

2026/02261 ~ Complete ~54:IMMUNOGENIC COMPOSITIONS AGAINST INFLUENZA ~71:PFIZER INC., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: AGIANIAN, Bogos;ALLEN, Pirada Suphaphiphat;CAMPBELL, Adam Lee;CHE, Ye;CUI, Liyang;DE SOUZA, Ivna Padron;EFFEREN, Kari Ann Sweeney;GARCIA, Miguel Angel;HE, Qianjing;HONG, Sue-Jean;LIU, Shenping;MUNASINGHE, Aravinda;SMITH, James Forrest;ZHANG, Herg Hwa;ZHANG, Lei~ 33:US ~31:63/582,513 ~32:13/09/2023;33:US ~31:63/611,106 ~32:15/12/2023;33:US ~31:63/559,863 ~32:29/02/2024;33:US ~31:63/562,257 ~32:06/03/2024;33:US ~31:63/568,754 ~32:22/03/2024;33:US ~31:63/634,399 ~32:15/04/2024;33:US ~31:63/656,098 ~32:04/06/2024

2026/02266 ~ Complete ~54:SMALL MOLECULE PROSTAGLANDIN F RECEPTOR ANTAGONISTS ~71:Ferring B.V., Polaris Avenue 144, HOOFDDORP 2132 JX, THE NETHERLANDS, Netherlands ~72: CHANG, Chia-Fu;CHUNG, Tim;COLLINS, James Charles;FUKASE, Yoshiyuki;JENNINGS, Andrew John;MEZO, Adam Robert;PANNEERSELVAM, Balaji;WEVER, Walter Jose;ZHU, Zhaoning~ 33:US ~31:63/529,092 ~32:26/07/2023;33:US ~31:63/607,942 ~32:08/12/2023

2026/02269 ~ Complete ~54:SYSTEM FOR AFFIXING AN ORTHOPEDIC COMPONENT TO A BONE USING A POLYAXIAL SCREW ~71:SKELETAL DYNAMICS, INC., 7300 N. Kendall Drive, Suite 400, Miami, Florida, 33156, United States of America ~72: ALEXANDER GIL;JORGE ORBAY;JUERGEN KORTENBACH;ROBERT SIXTO~ 33:US ~31:63/581,796 ~32:11/09/2023

2026/02272 ~ Complete ~54:PRODUCTION OF FRUIT BASED OR OTHER TYPES OF ALCOHOLIC BEVERAGES ~71:CARLSBERG A/S, J.C. Jacobsens Gade 1, 1799, København V, Denmark ~72: BIRGITTE FUNCH;CARL GUSTAV ANTON MALINA;INÊS PEREIRA BISCAIA DE OLIVEIRA;MICHAEL KATZ;ROSA GARCIA SANCHEZ~ 33:EP ~31:23201558.6 ~32:04/10/2023

2026/02274 ~ Complete ~54:COMPOUNDS FOR THE DEGRADATION OF MUTANT BRAF ~71:C4 THERAPEUTICS, INC., 490 Arsenal Way, Suite 120, Watertown, Massachusetts, 02472, United States of America ~72: BRIDGET KREGER;KATRINA L JACKSON;RONAN PATRICK HANLEY;ROY MACFARLANE POLLOCK;YANKE LIANG~ 33:US ~31:63/546,727 ~32:31/10/2023;33:US ~31:63/599,455 ~32:15/11/2023

2026/02335 ~ Complete ~54:NOVEL POLYPEPTIDE, POLYPEPTIDE DERIVATIVE AND USE THEREOF ~71:Nanjing Anji Biotechnology Co., Ltd, Floor 6, Building A7, Hongfeng Technology Park, Economic-technological Development Area, Nanjing, People's Republic of China ~72: LI, Mengwei;SARRA, Setrerrahmane;XU, Hanmei~ 33:CN ~31:202310995091.6 ~32:08/08/2023;33:CN ~31:202411084331.8 ~32:08/08/2024

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2026/02287 ~ Provisional ~54:PHARMACEUTICAL COMPOSITION ~71:GORAM RESEARCH AND INVESTMENTS PROPRIETARY LIMITED, 8A Avenue Disandt, Fresnaye, Sea Point, Cape Town, 8005, SOUTH AFRICA, South Africa ~72: GORDON, Brent Michael~

2026/02290 ~ Provisional ~54:SYSTEM AND METHOD FOR PRIVACY-PRESERVING CREDENTIAL VERIFICATION BRIDGE BETWEEN SYNCHRONOUS NETWORK-API ENDPOINTS AND BLIND-ISSUED TOKEN VERIFICATION WITH NONOBSERVABLE ISSUER ARCHITECTURE ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/02293 ~ Complete ~54:RFID BASED CHILD PICKUP AND DROP-OFF MANAGEMENT SYSTEM ~71:XINYU UNIVERSITY, NO. 2666 YANGGUANG AVENUE, HIGH TECH ZONE, XINYU CITY, People's Republic of China ~72: LIU Kai;LIU Zhijie;SONG Qiulian;WU Guangsheng;ZHAO Yuexin~

2026/02298 ~ Complete ~54:MICROBIAL MINERALIZATION MODIFIED RECYCLED AGGREGATE, AND ITS PREPARATION METHOD AND USE ~71:Yantai University, No. 30 Qingquan Road, Laishan District, Yantai City, Shandong Province, 264005, People's Republic of China ~72: LI, Guang;LIU, Zuowei;LU, Jingzhou;MA, Yuange~ 33:CN ~31:202510381958.8 ~32:28/03/2025

2026/02302 ~ Complete ~54:MULTI PARAMETER INTELLIGENT PERCEPTION AND GRADING WARNING DEVICE FOR WATER INFLOW PRECURSORS IN DEEP GEOTECHNICAL ENGINEERING ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, People's Republic of China ~72: LIU, Heng;MA, Yabing;REN, Mingyang;WANG, Qingguo;ZHAI, Panpan~

2026/02313 ~ Complete ~54:INHIBIN SUBUNIT BETA E-RELATED DOUBLE STRANDED OLIGONUCLEOTIDE COMPOSITIONS AND METHODS RELATING THERETO ~71:WAVE LIFE SCIENCES LTD., 7 Straits View #12-00, Marina One East Tower, Singapore ~72: IWAMOTO, Naoki;KAWAMOTO, Tomomi;LAMATTINA, Anthony;LIU, Wei;LUU, Khoa Ngoc Dang;MARAPPAN, Subramanian;PRAKASHA, Priyanka Shiva;SHAH, Himali Kavin;VARGEESE, Chandra;YANG, Hsiu-Chiung~ 33:US ~31:63/581,620 ~32:08/09/2023;33:US ~31:63/586,079 ~32:28/09/2023

2026/02312 ~ Complete ~54:PORTABLE CHAIR ~71:WATERBAY SDN BHD, No 3, Lintang Selat, Taman Selat, Butterworth, Pulau Pinang, 12000, Malaysia ~72: AHMAD, Mohd Azhan~

2026/02317 ~ Complete ~54:SYSTEMS AND METHODS FOR ENHANCING CROP SIMULATIONS ~71:MONSANTO TECHNOLOGY LLC, 800 North Lindbergh Blvd, SAINT LOUIS 63167, MO, USA, United States of America ~72: CARPENTER, Neal;GILLESPIE, Megan;LIAO, Wei-Ting;MIAO, Chenyong~ 33:US ~31:63/541,771 ~32:29/09/2023

2026/02318 ~ Complete ~54:CONTINUOUS METHODS FOR PREPARING MICROSPHERE TITANIA CATALYST SUPPORTS AND CATALYSTS WITH SAID SUPPORTS, SUPPORTS AND CATALYSTS OBTAINED THEREBY ~71:JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: MERCER, Richard John~ 33:GB ~31:2314398.5 ~32:20/09/2023

2026/02326 ~ Complete ~54:TOMATO PLANT HAVING RESISTANCE TO ROOT-KNOT NEMATODE AND LEAF MOLD ~71:SAKATA SEED CORPORATION, 2-7-1, Nakamachidai, Tsuzuki-ku Yokohama-shi, Kanagawa, 2240041, Japan ~72: RYOSUKE HORIKIRI;SENTARO MIZOGUCHI;TSUNEATSU ITAI;YOSHITAKE OKADA;YOSUKE MORITAMA;YUTA TSURUMI~ 33:JP ~31:2023-132701 ~32:16/08/2023

2026/02285 ~ Provisional ~54:METHOD OF NOTIFYING ABOUT THE MOVEMENT OF A VEHICLE ~71:MPEHLE, Zuko Eddie, UNIT 44, SABLE COURT, 110 BLANDFORD ROAD,, South Africa ~72: MPEHLE, Zuko Eddie~

2026/02289 ~ Provisional ~54:COMBUSTIBLE FUEL CAPSULE ~71:ALEXANDER FRANZ BOTHA, 3 De Beer Street, Paardevlei Lifestyle Estate, Balwin Property, Somerset West, Western Cape, 7130, South Africa ~72: ALEXANDER FRANZ BOTHA~

2026/02301 ~ Complete ~54:LIFTING DEVICE FOR PRECAST CONCRETE PAVEMENT SLABS ~71:CHANG'AN UNIVERSITY, MIDDLE-SECTION OF NAN'ER HUAN ROAD, XI'AN, People's Republic of China;CHINA RAILWAY CONSTRUCTION KUNLUN INVESTMENT GROUP CO., LTD., NO. 1999, MIDDLE SECTION OF YIZHOU AVENUE, CHENGDU HIGH-TECH ZONE, CHINA (SICHUAN) PILOT FREE TRADE ZONE, CHENGDU, People's Republic of China;CHINA RAILWAY GUIZHOU ENGINEERING CO., LTD., SHABA INTERSECTION, QIANZHONG AVENUE, SOUTH CAMPUS OF HIGH-END EQUIPMENT MANUFACTURING INDUSTRIAL PARK, GUI'AN NEW AREA, People's Republic of China;GUIZHOU QIANZHONG EXPRESSWAY

DEVELOPMENT CO., LTD., 5TH-7TH FLOORS, TOWER B, SHUANGCHUANG BUILDING, QINGZHEN CITY, GUIYANG, People's Republic of China ~72: CHAO Zengfu;DENG Hao;FANG Yuan;JI Qubo;LI Qiangqiang;LIU Rengbing;SONG Xinyu;TENG Hongjun;WANG Xuhao;ZHANG Junsheng~

2026/02305 ~ Complete ~54:OPTIC-ELECTRIC SENSING METHOD AND SYSTEM FOR EVOLUTION OF OVERBURDEN FRACTURES INDUCED BY DEEP COAL SEAM MINING ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168, Taifeng Street, People's Republic of China;HEFEI UNIVERSITY OF TECHNOLOGY, No. 193, Tunxi Road, People's Republic of China;HUAINAN MINING (GROUP) CO., LTD, National Key Laboratory, No. 1 Xinye Street, People's Republic of China ~72: CHENG, Haiyan;HAN, Jiazhang;HU, Xiongwu;HUANG, Gang;REN, Bo;SUN, Binyang;XU, Yanfei;ZHANG, Pingsong;ZHOU, Guanqun~

2026/02307 ~ Complete ~54:MULTIPLE STRUCTURES AND FOLDABLE ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DAEHYEONG PARK;SANGIN BAEK~ 33:KR ~31:10-2023-0102927 ~32:07/08/2023;33:KR ~31:10-2023-0130490 ~32:27/09/2023

2026/02309 ~ Complete ~54:SINGLE-DOMAIN ANTIBODY SPECIFICALLY BINDING TO CDCP1 AND USE THEREOF ~71:MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED, Room 4-401, Hexiang Technology Center, Qiantang New District, People's Republic of China;MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED, Room 1002, 10th Floor, Building 1, No. 333 Shengrong Road, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: CAO, Guoqing;CAO, Yuting;LIU, Bo;SHI, Junwei;WENG, Xialian;ZHU, Liyuan~ 33:CN ~31:202311027138.6 ~32:15/08/2023

2026/02314 ~ Complete ~54:FIREARM DISCHARGE CONTAINMENT SYSTEM ~71:VAN LILL, Frederik Johannes, Portion 13, Duvenhageskraal, South Africa ~72: VAN LILL, Frederik Johannes~ 33:ZA ~31:2024/08961 ~32:25/11/2024

2026/02316 ~ Complete ~54:CONTAINER APPARATUS ~71:BUZZBALLZ, LLC, 2114 McDaniel Drive, CARROLLTON 75006, TX, USA, United States of America ~72: KICK, Merrilee~ 33:US ~31:18/450,668 ~32:16/08/2023

2026/02320 ~ Complete ~54:ANTIBODY THAT BINDS TO C3BBB ~71:F. HOFFMANN-LA ROCHE AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BERTOLDO, Davide;BUTZER, Joachim;FENN, Sebastian;FIDLER, Alexander;JOCHNER, Anton;KOERTVELY, Eloed;MARY, Jean-Luc;PRINER, Sebastian~ 33:EP ~31:23199373.4 ~32:25/09/2023

2026/02332 ~ Complete ~54:ELECTRIC RESISTANCE WELDED STEEL PIPE AND METHOD FOR MANUFACTURING SAME ~71:JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo, 1000011, Japan ~72: ATSUSHI MATSUMOTO;TATSURO KATSUMURA~ 33:JP ~31:2023-177996 ~32:16/10/2023

2026/02333 ~ Complete ~54:SYSTEMS AND METHODS FOR VOICE COMMUNICATION ROUTING ~71:INFOBIP LTD., 35-38 New Bridge Street, 5th Floor London EC4V 6BW, United Kingdom ~72: ALMIR PEHRATOVIC;ARMIN OMERBEGOVIC;FREDERIC MOTTIAT;IRFAN SMAJEVIC;ISMAR KUBAT;KOSTA PRIBIC~ 33:US ~31:18/465,266 ~32:12/09/2023

2026/02280 ~ Provisional ~54:CAUSAL-AI POWERED SMART CHIP (NEURAL NOISE-CANCELLING & CAUSAL-AI FOR PROACTIVE SEIZURE ABORTION) ~71:Amr Kamel Khalil Ahmed, Riyadh First Health Cluster, Ministry of Health, Riyadh, Saudi Arabia ~72: Amr kamel khalil Ahmed~

2026/02286 ~ Provisional ~54:A CONVECTION-BASED THERMAL DIFFUSION SYSTEM FOR BOTANICAL VOLATILIZATION ~71:Joshua Twycross, Unit 1628 Harbour Arch Blvd Foreshore, South Africa ~72: Joshua Twycross~

2026/02292 ~ Complete ~54:LUNG CAPACITY TRAINING DEVICE FOR REHABILITATION THERAPY ~71:XINYU UNIVERSITY, NO. 2666 YANGGUANG AVENUE, HIGH TECH ZONE, XINYU CITY, People's Republic of China ~72: CAI, Lin;JIANG, Hanbing~

2026/02296 ~ Complete ~54:SIMULATION EXPERIMENT SYSTEM FOR DEEP GROUND ENGINEERING CONSTRUCTION WITH HIGH IN-SITU STRESS AND LARGE SPACE ~71:China University of Mining and Technology, Nanhu Campus, China University of Mining and Technology, No. 1 Daxue Road, Xuzhou, Jiangsu Province, 221116, People's Republic of China ~72: Han Tao;Ren Yanlong;Yang Weihao;Yang Zhijiang;Zhang Chi;Zhou Min~

2026/02306 ~ Complete ~54:METHODS OF REDUCING PARTICLE FORMATION AND COMPOSITIONS FORMED THEREBY ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: DANYA SPRITZER;MAYANK PATEL;STACY WASINGER;XIAOLIN TANG~ 33:US ~31:62/560,365 ~32:19/09/2017

2026/02321 ~ Complete ~54:DERIVATIVES AND PRODRUGS OF 2, 4-DINITROPHENOL, AND COMPOSITIONS AND METHODS THEREOF ~71:SHENZHEN HIGHTIDE BIOPHARMACEUTICAL LTD., 9th to 10th Floor, Building D, Shenfang Park, Shenzhen-Hong Kong Science and Technology, Innovation Cooperation Zone Fubao Street, Futian District, SHENZHEN 518017, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: MA, Haiping;MA, Tianwei;SHEN, Zhengnan;XIA, Guoping;ZHANG, Jingxiao~ 33:CN ~31:202311013356.4 ~32:10/08/2023;33:US ~31:63/532,665 ~32:14/08/2023;33:US ~31:63/536,051 ~32:31/08/2023

2026/02315 ~ Complete ~54:SACRIFICIAL ZWITTERIONS IN LOW CONDUCTIVE HEAT-TRANSFER FLUIDS ~71:ARTECO N.V., Metropoolstraat 25, SCHOTEN 2900, BELGIUM, Belgium ~72: CLERICK, Sander~ 33:EP ~31:23206104.4 ~32:26/10/2023

2026/02328 ~ Complete ~54:HIGH-STRENGTH ALUMINUM ALLOYS FOR FOOD AND BEVERAGE PACKAGING AND METHODS FOR PREPARING THE SAME ~71:NOVELIS INC., One Phipps Plaza, 3550 Peachtree Rd, Suite 1100, Atlanta, Georgia, 30326, United States of America ~72: DAEHOON KANG;FELIPE PEREIRA;HESRON OLIVEIRA;MINHEE CHOI;SAMUEL RIBEIRO;YOUNGOO HWANG~ 33:US ~31:63/579,771 ~32:30/08/2023

2026/02330 ~ Complete ~54:ORAL FORMULATIONS OF CANNABINOIDS ~71:NW MICELLE THERAPEUTICS, INC., 5 Wisely Court, 37 Beaufort Gardens, London, Greater London, SW3 1PW, United Kingdom;THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, 27 King's College Circle, Simcoe Hall, Room 106, Toronto, Ontario, M5S 1A1, Canada ~72: CHRISTINE JANE ALLEN;JONATHAN ZASLAVSKY;PAURIC BANNIGAN;WILLIAM WASYL JAROSZ~ 33:US ~31:63/530,613 ~32:03/08/2023;33:US ~31:63/648,085 ~32:15/05/2024

2026/02331 ~ Complete ~54:COMBINATIONS COMPRISING BCR:ABL-1 INHIBITOR AND A SECOND TYROSINE KINASE INHIBITOR FOR USE IN THE TREATMENT OF CANCER ~71:TERNS PHARMACEUTICALS, INC., 1065 E. Hillsdale Blvd., Suite 100, Foster City, California 94404, United States of America ~72: BENJAMIN M PARSONS;CHRISTOPHER T JONES;JEFFREY R JASPER~ 33:US ~31:63/535,881 ~32:31/08/2023

2026/02310 ~ Complete ~54:ANTI-GPRC5D ANTIBODIES AND COMPOSITIONS ~71:SANOFI, 46 avenue de la Grande Armée, France ~72: BONNEVAUX, Helene;CHIRON BLONDEL, Marielle;DESRUMEAUX, Klervi;MELONI, Marco;REMY, Elisabeth;VIRONE-ODDOS, Angela~ 33:EP ~31:23315301.4 ~32:31/07/2023;33:EP ~31:24160978.3 ~32:01/03/2024

2026/02322 ~ Complete ~54:TRICYCLIC DERIVATIVES AND RELATED USES ~71:MOMA THERAPEUTICS, INC., 20 Acorn Park Drive, 6th Floor, CAMBRIDGE 02140, MA, USA, United States of America ~72: BAI, Yonghong;BUTLER, John R.;GAO, Cen;GUZI, Timothy J.;MCGOWAN, Meredeth A.;REUTERSHAN, Michael H.;SCHENKEL, Laurie B.;SOSA-ALVARADO, Brian Alexander;TOURE, Momar;WANG, Haoxuan;YAN, Xin~ 33:US ~31:63/537,426 ~32:08/09/2023;33:US ~31:63/654,502 ~32:31/05/2024;33:US ~31:63/684,749 ~32:19/08/2024

2026/02323 ~ Complete ~54:DEUTERATED PARP1 INHIBITOR COMPOUNDS ~71:DUKE STREET BIO LIMITED, 2 DUKE STREET, LONDON W1U 3EH, UNITED KINGDOM, United Kingdom ~72: COWLEY, Phillip;WISE, Alan~ 33:GB ~31:2312128.8 ~32:08/08/2023

2026/02324 ~ Complete ~54:PARP1 INHIBITOR COMPOUNDS ~71:DUKE STREET BIO LIMITED, 2 DUKE STREET, LONDON W1U 3EH, UNITED KINGDOM, United Kingdom ~72: COWLEY, Phillip;WISE, Alan~ 33:GB ~31:2311859.9 ~32:02/08/2023

2026/02327 ~ Complete ~54:METHODS OF GENETICALLY ALTERING A PLANT NIN-GENE TO BE RESPONSIVE TO AUXIN ~71:NIAB, 93 Lawrence Weaver Road, Cambridge, CB3 0LE, United Kingdom ~72: ANINDYA KUNDU;RICHARD J HARRISON~ 33:US ~31:63/579,266 ~32:28/08/2023

2026/02334 ~ Complete ~54:FILTER UNIT WITH ENCASED GLASS FRAGMENTS AND ARRANGEMENT OF SUCH UNITS IN A POOL WATER FILTRATION SYSTEM ~71:K.O.B., 36 bis Avenue de Larrieu 31100 Toulouse, France ~72: FRÉDÉRIC NAVALLON~ 33:FR ~31:FR2309120 ~32:30/08/2023

2026/02281 ~ Provisional ~54:FISHING LURE ~71:Lair Boshoff, 17 Goede Hoop street, Westonarea, Gauteng, 1779, South Africa ~72: Lair Boshoff~

2026/02284 ~ Provisional ~54:AI ENABLED THERMAL RESISTANT RECYCLED TIRE BASED SMART DRAINAGE SYSTEM FOR URBAN FLOOD MITIGATION (TRBDS FM) ~71:Amr kamel khalil Ahmed, saudia arabia, Riaydh , manfuha primary health care center, Riaydh, Saudi Arabia ~72: Amr kamel khalil Ahmed~

2026/02283 ~ Provisional ~54:GENESIS AUTONOMY SYSTEM (GAS) ~71:SCHMITT, CORNELIUS PETRUS, FYNBOS OORD, South Africa ~72: SCHMITT, CORNELIUS PETRUS~

2026/02300 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR ANTI-OVARIAN CANCER AND ITS PREPARATION METHOD ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: Cheng Meidie;Hong Jun;Hu Chenxi;Huang Wenqiang;Jing Lei;Ren Yahui;Zhang Yibing;Zhao Haosen~ 33:CN ~31:2026101654142 ~32:05/02/2026

2026/02304 ~ Complete ~54:STEAM CLEANING MACHINE ~71:Suzhou Baolijie Intelligent Electrical Appliance Co., Ltd, 3rd Floor, Building C, No. 5 Xingdong Road, Hengjing Street, Wuzhong District, Suzhou City, Jiangsu Province, 215000, People's Republic of China ~72: Zhihao WANG~ 33:CN ~31:2025117180033 ~32:21/11/2025

2026/02319 ~ Complete ~54:THERAPEUTIC COMPOUNDS, A METHOD OF MANUFACTURING THEREOF AS WELL AS USES THEREOF ~71:DICOT PHARMA AB, St Olofsgatan 11A, UPPSALA 753 21, SWEDEN, Sweden

~72: BOUCK, Heather;DOWNING, Kristie;KUMAR, Sandeep;MALMBERG, Catarina;WESTMAN, Jacob~ 33:US ~31:63/578,251 ~32:23/08/2023;33:US ~31:63/571,339 ~32:28/03/2024

2026/02329 ~ Complete ~54:CAPSID POLYPEPTIDES AND METHODS OF USE THEREOF ~71:DYNO THERAPEUTICS, INC., 343 Arsenal St., Suite 101, Watertown, Massachusetts, 02472, United States of America ~72: DEMARCUS BRIERS;SAMUEL WOLOCK;STEPHEN MALINA~ 33:US ~31:63/535,698 ~32:31/08/2023

2026/02336 ~ Provisional ~54:GASPETROLAPP (DOORSTEP PETROL DELIVERY) ~71:MR BONGO SOTYATO, 17 PINE STREET, LINDHAVEN, South Africa ~72: MR BONGO SOTYATO~

2026/02279 ~ Provisional ~54:AI DIABETES CLINIC: SYSTEM AND METHOD FOR AN AI-DRIVEN END-TO-END DIABETES MANAGEMENT AND COMPLICATION SURVEILLANCE CLINIC ~71:Amr kamel khalil Ahmed, saudia arabia, riaydh, riaydh, riaydh, Saudi Arabia ~72: Amr kamel khalil Ahmed~

2026/02282 ~ Provisional ~54:SAFEPOINT MEDICAL NEEDLE NEUTRALIZATION SYSTEM USING POINT-OF-CARE THERMAL PROCESSING TECHNOLOGY" ~71:amr kamel khalil ahmed, saudia arabia, riaydh, riaydh, Saudi Arabia ~72: Amr kamel khalil Ahmed~

2026/02294 ~ Complete ~54:PRESERVATION AND STORAGE DEVICE SUITABLE FOR FRESH CORN ~71:SHANXI AGRICULTURAL UNIVERSITY/ SHANXI ACADEMY OF AGRICULTURAL SCIENCES, SORGHUM RESEARCH INSTITUTE, NO. 238, YUNHUA WEST STREET, YUCI DISTRICT, JINZHONG CITY, People's Republic of China ~72: CHENG, Yonggang;DU, Yanchao;HE, Ye;LI, Huiming;PANG, Xu;SHAO, Linsheng;WANG, Ruigang;YAN, Jianbin;YAN, Suxian;ZHANG, Xuebiao~

2026/02299 ~ Complete ~54:COMPREHENSIVE SIMULATION EXPERIMENTAL SYSTEM FOR MODULAR CONSTRUCTION TECHNOLOGY UNDER DEEP GROUND MULTI-FIELD COUPLING ~71:China University of Mining and Technology, Nanhu Campus, China University of Mining and Technology, No. 1 Daxue Road, Xuzhou, Jiangsu Province, 221116, People's Republic of China ~72: Han Tao;Ren Yanlong;Yang Weihao;Yang Zhijiang;Zhang Chi;Zhou Min~

2026/02303 ~ Complete ~54:INTEGRATED METHOD FOR IMPROVING THE EXPLORATION EFFICIENCY OF PORPHYRY COPPER DEPOSITS ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 68, Wenchang Road, People's Republic of China;YUNNAN GEOLOGICAL SURVEY (YUNNAN ACADEMY OF GEOLOGICAL SCIENCES), Wangdaqiao, Jinma Town, People's Republic of China ~72: CEN, Chao;DONG, Tao;LI, Wenchang;LIU, Xuelong;YANG, Fucheng;YU, Haijun~ 33:CN ~31:2026100919396 ~32:23/01/2026

2026/02278 ~ Provisional ~54:A MODULAR COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR RESOURCE-OPTIMIZED SOCIAL CONNECTIVITY, INFRASTRUCTURE-AWARE STATE MANAGEMENT, AND GEOFENCED RESOURCE DISTRIBUTION ~71:Liam O'Reilly, 29 Paris Ave, South Africa ~72: Liam O'Reilly~

2026/02288 ~ Provisional ~54:SUPER IONIZED DIESEL FUEL COMPOSITION AND METHOD OF COMBUSTION ENHANCEMENT ~71:KELL, Cameron, 16 Karanteen Gardens, Newlands East, DURBAN 4037, SOUTH AFRICA, South Africa ~72: KELL, Cameron~

2026/02291 ~ Provisional ~54:METHOD AND SYSTEM FOR DYNAMIC RESOURCE OPTIMIZATION AND DECENTRALIZED HARDWARE INTERRUPTS IN NEURAL PROCESSING UNITS ~71:Jaysen Meyers, 20 Agliotti Ave, South Africa ~72: Jaysen Meyers~

2026/02295 ~ Complete ~54:POLYMER DISSOLUTION PACKED BED, POLYMER DISSOLUTION SYSTEM, AND POLYMER DISSOLUTION METHOD ~71:Chongqing University of Science and Technology, No. 20 University Town East Road, Shapingba District, Chongqing, 401331, People's Republic of China ~72: DA,

Qi'an;FU, Cheng;HUANG, Bin;ZHANG, Wei;ZHANG, Xue;ZHU, Rui~ 33:CN ~31:202511157755.7 ~32:18/08/2025

2026/02311 ~ Complete ~54:PNEUMATIC ADJUSTING REARVIEW MIRROR AND USING METHOD THEREOF ~71:TAIZHOU XINGYU VEHICLE PARTS CO., LTD., No. 16, Nangong Road, Fansan Industrial Zone, Shabu Town, Huangyan District, Taizhou City, Zhejiang Province, 318020, People's Republic of China ~72: Yilong FENG~

2026/02325 ~ Complete ~54:METHOD FOR PRODUCING REGENERATED CELLULOSE-DERIVED CELLULOSE DISPERSION LIQUID AND REGENERATED CELLULOSE-DERIVED CELLULOSE MOLDED BODY, AND REGENERATED CELLULOSE-DERIVED CELLULOSE DISPERSION LIQUID, REGENERATED CELLULOSE-DERIVED CELLULOSE BEADS, AND REGENERATED CELLULOSE-DERIVED CELLULOSE MOLDED BODY ~71:FUTAMURA KAGAKU KABUSHIKI KAISHA, 29-16, Meieki 2-chome, Nakamura-ku, Nagoya-shi, Aichi, 4500002, Japan ~72: ASUKA YAMAZAKI;IPPEI IWATA~ 33:JP ~31:2023-143996 ~32:05/09/2023

2026/03022 ~ Provisional ~54:MEDICAL BIRTH SUPPORT SYSTEM ~71:Teboho Irvin, 4298 Kodisang Street, South Africa ~72: Teboho Irvin Maoko~ 33:ZA ~31:None ~32:25/02/2026

2026/02297 ~ Complete ~54:EXPERIMENTAL METHOD FOR TESTING FULL-FACE ROCK BREAKING MECHANISM UNDER HIGH GEOSTRESS ENVIRONMENT ~71:China University of Mining and Technology, Nanhu Campus, China University of Mining and Technology, No. 1 Daxue Road, Xuzhou, Jiangsu Province, 221116, People's Republic of China ~72: Han Tao;Wang Yansen;Yang Weihao;Yang Zhijiang;Zhang Chi~

2026/02308 ~ Complete ~54:CLOSED SYSTEM TRANSFER DEVICE ~71:B. BRAUN MELSUNGEN AG, Carl-Braun-Strasse 1, Germany ~72: BERG, Karl-Martin;BRUNETTI, Bruce W.;HIGGINS, Gary;KOPP, Florin;MOYER, Scott Alan;NIXON, James Albert;PANICK, Nicholas;SCHNEIDER, Uwe Erik;SIKHILE, Varaprasad;WALTER, Christian~ 33:US ~31:63/181,313 ~32:29/04/2021;33:US ~31:63/181,387 ~32:29/04/2021;33:US ~31:63/181,429 ~32:29/04/2021;33:US ~31:63/181,446 ~32:29/04/2021;33:US ~31:63/181,457 ~32:29/04/2021;33:US ~31:63/196,735 ~32:04/06/2021

. - APPLIED ON 2026/02/27 -

2026/02348 ~ Complete ~54:MEDICAL TUBING SYSTEM HAVING FITTING WITH ANTI-TAMPER SLEEVE AND JACKET LOCK ~71:FLEX-TRAC, INC., 427 Creamery Way, Exton, United States of America ~72: BREITINGER, Brian;EDLER, Dave;KNEZICH, Andrew~ 33:US ~31:63/765,925 ~32:03/03/2025

2026/02355 ~ Complete ~54:ANTIPARASITIC CYCLIC DEPSIPEPTIDES ~71:ANIMOL DISCOVERY, INC., 201 Washington St, Suite 3930, United States of America ~72: WALSHE, Nigel~ 33:US ~31:63/538,603 ~32:15/09/2023

2026/02359 ~ Complete ~54:METHOD AND SYSTEM FOR ACCESSING REMOTE RESOURCES AND SERVICES FROM AUDIOVISUAL CONTENT AVAILABLE ON A TELEVISION SET ~71:GOKOU, Arnaud, 10 RUE LAURENT BASSAT, 91080 EVRY-COURCOURONNES, FRANCE, France ~72: GOKOU, Arnaud~ 33:FR ~31:FR2309179 ~32:01/09/2023

2026/02364 ~ Complete ~54:VALVE SLEEVE APPARATUS FOR WIDE- OR OPEN- BODY KNIFE GATE VALVES ~71:FLSMIDTH A/S, Havneholmen 2, COPENHAGEN SV DK-2500, DENMARK, Denmark ~72: MULLANEY, Lura;SANCHEZ SORIA, Daniel~ 33:US ~31:63/535,084 ~32:29/08/2023

2026/02376 ~ Complete ~54:TEMPERATURE FIELD ANALYSIS METHOD AND SYSTEM FOR NATURAL AIR COOLING OF CONTROL ROD DRIVE MECHANISM ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: AI, Weijiang;CHEN, Yan;HAO, Guofeng;JIANG, Xing;LI, Chengwu;LI, Shuying;SHAO, Changlei;TANG, Lichen;TONG, Hui;YAO, Yangui;ZHANG, Wei;ZHANG, Xingliang;ZHENG, Mingguang~ 33:CN ~31:202310969953.8 ~32:02/08/2023

2026/02381 ~ Provisional ~54:WASTE BIN WASHING AND WATER RECYCLING ELECTRIC MACHINE ~71:DAVID MOKGOME KGWETE, 56 ALVERTON VILLAGE,, South Africa ~72: DAVID MOKGOME KGWETE~

2026/02345 ~ Provisional ~54:MY SAFE ZONE MONITORING ~71:Jozzler Mochocho, R1148 Klipgat New Stand, South Africa ~72: Molebatsi Jozzler Mochocho~ 33:ZA ~31:0 ~32:26/02/2026

2026/02353 ~ Complete ~54:VIRUS PARTICLES WITH IMPROVED ENTRY INTO TUMOR CELLS ~71:ABALOS THERAPEUTICS GMBH, Merowingerplatz 1A, Germany ~72: BERGERHAUSEN, Michael;FRIEDRICH-BECKER, Sarah-Kim;HARDT, Cornelia;HOLNSTEINER, Lisa;KOSTKA, Marcus;LANG, Karl Sebastian;LANG, Philipp;MACHLAH, Yara Maria;PANDEY, Piyush Sureshkumar;SCHILLER, Maximilian;SCHMITZ, Rosa;VOLLMER, Jörg;WANG, Ruifeng;XU, Haifeng;ZÖLLER, Julia~ 33:EP ~31:23194741.7 ~32:31/08/2023

2026/02367 ~ Complete ~54:METHODS FOR MEASURING GREENHOUSE GAS EMISSIONS IN RUMINANTS FOLLOWING ADMINISTRATION OF FEED ADDITIVES ~71:ELANCO US INC., 2500 Innovation Way, GREENFIELD, IN, USA, United States of America ~72: DHUYVETTER, Kevin;GILREATH, Jessica;KVIDERA, Sara;MCGEE, Darren~ 33:US ~31:63/536,816 ~32:06/09/2023

2026/02374 ~ Complete ~54:SUBSTITUED BICYCLIC HETEROCYCLIC YAP-TEAD AND/OR TAZ-TEAD INHIBITORS ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: ALBERS, Lisa;BURGDORF, Lars;GAMBARDELLA, Alessia;GUNERA, Jakub;HEINRICH, Timo;PETERSSON, Carl;UNZUE LOPEZ, Andrea~ 33:EP ~31:23189307.4 ~32:02/08/2023

2026/02375 ~ Complete ~54:UNIVERSAL PUMP CASING FOR NUCLEAR POWER MAIN PUMP ~71:Shanghai Electric-Ksb Nuclear Pumps And Valves Co., Ltd., No. 257 Yitian Rd., Lingang New City, Pudong New Area, SHANGHAI 201306, CHINA (P.R.C.), People's Republic of China;Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China;Shenyang Blower Works Group Nuclear Pump Co., Ltd., No. 16A, Development Road, Economic & Technical Development Zone, SHENYANG 110869, LIAONING, CHINA (P.R.C.), People's Republic of China ~72: JIN, Le;LI, Ling;LIAO, Juan;LIU, Yong;LU, Hongzao;LU, Yuheng;MA, Lin;QIU, Jian;SHAO, Xuebo;WANG, Gaoyang;WANG, Nianhui;XIA, Zhiding;YAN, Yan;ZHANG, Xing;ZHONG, Yun;ZHONG, Zuowen;ZHU, Xiangdong~ 33:CN ~31:202310945737.x ~32:28/07/2023

2026/02368 ~ Complete ~54:NOVEL PROCESS TECHNIQUE FOR EMBEDDED MEMORY ~71:HEFEI RELIANCE MEMORY LIMITED, 11th Floor, Building F4, Innovative Industrial Park Phase II, High Tech Zone, HEFEI 230031, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: CHANG, Wen-Hsiung;CHEN, Chao-Yang;CHEN, Zezhi;LU, Zhichao~

2026/02341 ~ Provisional ~54:A SECURE DIGITAL ESTATE MANAGEMENT SYSTEM FOR CONTROLLED EXECUTOR ACCESS TO LEGAL, PERSONAL, AND REGULATED DIGITAL RECORDS UNDER PREDEFINED CONDITIONS AND TIMELINES. ~71:Iliné Snyman, 5 Warrelklip Street, South Africa ~72: Iliné Snyman~

2026/02343 ~ Provisional ~54:A SYSTEM FOR, AND A METHOD OF, AUTOMATED CLINICAL DOCUMENTATION ~71:TRICHARDT, Louis Gustav, 251 Bree Street, Gardens, South Africa ~72: TRICHARDT, Louis Gustav~

2026/02379 ~ Complete ~54:COMPOUND FOR REGULATING ACTIVITY OF MICRORNA-124 ~71:JIANGSU CHIA TAI FENGHAI PHARMACEUTICAL CO., LTD., No.266 Nanxiang West Road, Dafeng District Yancheng, JIANGSU 224100, CHINA (P.R.C.), People's Republic of China ~72: DONG, Zezhang;JIANG, Chunhuan;LI, Chenhui;SHI, Jingmiao;TANG, Guqi;WEN, Tiantian;ZHU, Yongqiang~ 33:CN ~31:202311104097.6 ~32:30/08/2023

2026/02356 ~ Complete ~54:SYSTEMS, METHODS AND COMPUTER-READABLE MEDIA FOR DETERMINING ATTRIBUTES OF DOCUMENTS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: ANWAR, Muhammed;CHEAH, Soon-Ee;DESAI, Khantil;QIAN, Tracy;SOBRAL, Thiago;WINTER, Leah;XIE, Holly~ 33:AU ~31:2023902868 ~32:06/09/2023

2026/02362 ~ Complete ~54:PERSONAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: CHAUDHRY, Haroon Ahmed;CIPRIASO, Matthew;DUBOVOY, Viktor;FABIJANIC, Kristina Ivana;LEE, Jonghun;LESNIAK, Ewelina;MARR, Emily;POTANIN, Andrei;SHEN, Hongwei;TEOMAN, Baran~ 33:US ~31:63/536,889 ~32:06/09/2023;33:US ~31:63/612,545 ~32:20/12/2023

2026/02366 ~ Complete ~54:(S)-3-((6-FLUOROPYRIDIN-3-YL)METHYL)-1-(5-(PYRIDIN-4-YL)-4H-1,2,4-TRIAZOL-3-YL)PIPERIDIN-2-ONE BENZENESULFONATE ~71:ELI LILLY AND COMPANY, Lilly Corporate Centre, INDIANAPOLIS 46285, IN, USA, United States of America ~72: MCMAHON, Jennifer Anne;SELBO, Jon Gordon~ 33:US ~31:63/578,671 ~32:25/08/2023

2026/02377 ~ Complete ~54:REUSABLE UNDERGARMENT WITH ABSORBENT CROTCH ASSEMBLY ~71:KENVUE BRANDS LLC, 1 Kenvue Way, SUMMIT 07901, NJ, USA, United States of America ~72: DEMIRALAY, Mustafa;SPICHARTZ, Dorothea;WINKLER, Petra~ 33:US ~31:63/530,377 ~32:02/08/2023

2026/02382 ~ Provisional ~54:A COMPUTER-IMPLEMENTED LEGAL WORKFLOW, RECRUITMENT, AND COLLABORATION SYSTEM FOR COORDINATING LEGAL WORK, PRACTITIONER ENGAGEMENT, AND PROCEDURAL INFORMATION ~71:Iliné Snyman, 5 Warrelklip Street, South Africa ~72: Iliné Snyman~

2026/02338 ~ Provisional ~54:DYNAMIC INTRAVENOUS INFUSION ALLOCATION AND COMPATIBILITY SEQUENCING SYSTEM ~71:IVSTACK PTY (Ltd), 15 Sandringham Rd, Vincent, East London, 5217, South Africa ~72: GF Ruder~

2026/02361 ~ Complete ~54:IGF2 FUSION PROTEIN FORMULATIONS AND THERAPEUTIC USES THEREOF ~71:JUVENA THERAPEUTICS, INC., 640 Galveston Drive, Redwood City, United States of America ~72: O'CONNELL, Jeremy~ 33:US ~31:63/581,262 ~32:07/09/2023

2026/02370 ~ Complete ~54:HIGH PERFORMANCE COMPOSITE MEMBRANES ~71:THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin Street, 12th Floor, OAKLAND 94607-5200, CA, USA, United States of America ~72: HOEK, Eric;WU, Jishan~ 33:US ~31:63/516,805 ~32:31/07/2023

2026/02378 ~ Complete ~54:MOTOR VEHICLE LOCK HOUSING ~71:KIEKERT AKTIENGESELLSCHAFT, Höseler Platz 2, HEILIGENHAUS 42579, GERMANY, Germany ~72: KREJČÍ, Martin;VÖRÖS, Martin;ZEJDA, Jan~ 33:DE ~31:10 2023 123 498.6 ~32:31/08/2023

2026/02344 ~ Provisional ~54:TWISTED WIRE COMMON MODE CHOKE ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2026/02351 ~ Complete ~54:MINIMAL INVASIVE SURGERY (MIS) SCREW AND HEAD EXTENSION THEREFOR ~71:BECKER, Gert Stephanus, 1378b Breyer Avenue, Waverley, South Africa ~72: BECKER, Gert Stephanus~ 33:ZA ~31:2025/01692 ~32:25/02/2025

2026/02360 ~ Complete ~54:BATTERY PACK SLEEP WAKE-UP METHOD AND CIRCUIT ~71:SANMEN KANGCHUANG ELECTRONIC TECHNOLOGY CO., LTD, No. 3, Jinyuan Road, Sanmen County, Taizhou, Zhejiang, 317100, People's Republic of China ~72: Chengyuan WANG~ 33:CN ~31:202311223405.7 ~32:21/09/2023

2026/02371 ~ Complete ~54:CATALYTIC PYROLYSIS OF PLASTICS TO PRODUCE PETROCHEMICAL FEEDSTOCK ~71:W.R. GRACE & CO.-CONN., 7500 Grace Drive, COLUMBIA 21044, MD, USA, United States of America ~72: CHENG, Wu-Cheng;HARDING, Robert H.;HU, Ruizhong;SHEN, Yufeng;YUAN, Guang~ 33:US ~31:63/580,579 ~32:05/09/2023

2026/02373 ~ Complete ~54:CONTROL OF AMMONIA OR METHANOL SYNTHESIS LOOP AT PARTIAL LOAD ~71:Casale SA, Via Pocobelli 6, LUGANO 6900, SWITZERLAND, Switzerland ~72: CARRARA, Davide;GENOVA, Giovanni;PANZA, Sergio;PIN, Mattia~ 33:EP ~31:23194320.0 ~32:30/08/2023

2026/02339 ~ Provisional ~54:PHOTON-PHONON HYBRID SOLAR PANEL WITH MOF-ENHANCED ARCHITECTURE FOR SPACE APPLICATIONS ~71:Abdelmoumen Shad SERROUNE, 21 Sturdee Avenue, Rosebank, Johannesburg, 2196, South Africa ~72: Abdelmoumen Shad SERROUNE~

2026/02347 ~ Provisional ~54:PASSIVE KNEE ASSISTANCE SYSTEMMECHANICAL ~71:Adesoji Abayomi Alo, Unit 1 Fairfield Village . 99 Bloulillie Cresent, South Africa;Innovatelid Pty Ltd, Unit 1. Fairfield Village. 99 Bloulillie Crescent. Sinoville., South Africa ~72: Adesoji Abayomi Alo;Innovatelid Pty Ltd~ 33:ZA ~31:0 ~32:26/02/2026

2026/02357 ~ Complete ~54:COMPOUNDS, COMPOSITIONS, AND METHODS ~71:TENVIE THERAPEUTICS, INC., 161 Oyster Point Blvd., United States of America ~72: BAGDASARIAN, ALEX L.;BUCHER, CYRIL;DE VICENTE FIDALGO, JAVIER;ESTRADA, ANTHONY A.;FOX, BRIAN M.;HUFFMAN, BENJAMIN J.;MIYAMOTO, TAKASHI;OSIPOV, MAKSIM;THOTTUMKARA, ARUN~ 33:US ~31:63/580,981 ~32:06/09/2023

2026/02369 ~ Complete ~54:FUNGICIDAL COMBINATIONS, MIXTURES AND COMPOSITIONS AND USES THEREO ~71:ADAMA MAKHTESHIM LTD., P.O. Box 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: MIRYAMCHIK, Hadas;PORATY-GAVRA, Limor;SHEFFER, Noam~ 33:US ~31:63/535,708 ~32:31/08/2023

2026/02380 ~ Provisional ~54:OTRUM ~71:MURTO NEL, 45 CROWN STREET, DURBANVILLE, South Africa ~72: MURTO NEL~

2026/02350 ~ Complete ~54:GAS EXTRACTION AND HOLE SEALING DEVICE ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168 Taifeng Street, Huainan City, People's Republic of China ~72: CHEN, Lipeng;LI, Weili;WANG, Lei~

2026/02354 ~ Complete ~54:CLIP FOR ELONGATED MEDICAL INSTRUMENTS ~71:LOMBARD, Petro, 72 Dombeya Close, The Glades,, South Africa ~72: LOMBARD, Petro~ 33:ZA ~31:2023/07625 ~32:02/08/2023

2026/02365 ~ Complete ~54:ANTIBODY CONJUGATES AND FUSION PROTEINS ~71:SIXPEAKS BIO AG, Aeschenvorstadt 36, BASEL 4051, SWITZERLAND, Switzerland ~72: AWALE, Mahendra;BLEICHER, Konrad;DURZYNSKA, Izabela;KUNZ, Christian;LARSEN, Philip;SCHÄUBLIN, Adrian;SIMONIN, Alexandre~ 33:EP ~31:23188568.2 ~32:31/07/2023

2026/02342 ~ Provisional ~54:A COMPUTER-IMPLEMENTED AGRICULTURAL MONITORING, REPORTING, AND DIAGNOSTIC SYSTEM FOR AGGREGATING, ANALYSING, AND DISTRIBUTING FARM-RELATED RISK AND DISEASE INFORMATION. ~71:Iliné Snyman, 5 Warrelklip Street, South Africa ~72: Iliné Snyman~

2026/02349 ~ Complete ~54:IMPLANTABLE CARDIAC PACEMAKER-BASED VENTRICULAR ELECTROGRAM-VENTRICULAR PRESSURE DUAL-SENSING SYSTEM AND METHOD ~71:ZHONGSHAN HOSPITAL, FUDAN UNIVERSITY, No. 136, Yixueyuan Road, People's Republic of China ~72: CONG, Shuo;WANG, Chunsheng;WANG, Wenshuo;WEI, Lai~

2026/02352 ~ Complete ~54:GELATINOUS BLAST SHOCKWAVE PROPAGATOR COMPOSITION ~71:Blast Assist (Pty) Ltd, 98 Armstrong Avenue, Block 2 Ground Floor, South Africa ~72: GRAHAM, Michael~ 33:ZA ~31:2025/05364 ~32:24/06/2025

2026/02372 ~ Complete ~54:MOLECULES THAT BIND TO MUTANT CALRETICULIN AND USES THEREOF ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: CHEUNG, Wan Cheung;CONSTANTINESCU, Stefan;HUG, Eva;JANSSEN, Lutgart;KUCHNIO, Anna;LUO, Jinquan;PHILIPPAR, Ulrike;POMERANTZ, Steven C.;PRINSLOW, Elisabeth Geyer;SAMAKAI, Elsie;ZAGRIJTSCHUK, Oleh~ 33:US ~31:63/516,520 ~32:30/07/2023

2026/02340 ~ Provisional ~54:WIRELESS SINGAL-BASED PROXIMITY DETECTION AND THREAT ASSESSMENT SYSTEM FOR SECURITY APPLICATIONS ~71:Steven Marston, 6 Gainsborough, walmer Heights, PORT ELIZABETH, 6070, South Africa ~72: Steven Marston~

2026/02346 ~ Provisional ~54:MY SAFE ZONE MONITORING ~71:Jozzler Mochocho, R1148 Klipgat New Stand, South Africa ~72: Molebatsi Jozzler Mochocho~ 33:ZA ~31:0 ~32:26/02/2026

2026/02358 ~ Complete ~54:DEVICE FOR CLEANING A HOT DIP COATING BATH AND METHOD TO PERFORM HOT DIP COATING OF A STEEL SHEET ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Antonino LIBERTI;Giuseppe DI GIROLAMO;Jean-François NOVILLE;Maïwenn Tifenn Soazig LARNICOL;Rosario MUNGIOVI~ 33:IB ~31:PCT/IB2023/060718 ~32:24/10/2023

2026/02363 ~ Complete ~54:A ROCK BOLT ASSEMBLY ~71:Rocbolt Technologies (Pty) Ltd., 30 North Reef Road, Elandsfontein, GERMISTON 1429, SOUTH AFRICA, South Africa ~72: BELLINGHAM, Werner Cornelius~

. - APPLIED ON 2026/03/02 -

2026/02392 ~ Provisional ~54:SYSTEM AND METHOD FOR REAL-TIME MULTILINGUAL VOICE NOTE TRANSLATION WITH ASYMMETRIC AUDIO ROUTING AND REUSABLE VOICE MEDIA ~71:Yusuf Mayet, 13A 6th Avenue, South Africa ~72: Yusuf Mayet~

2026/02398 ~ Provisional ~54:DIGITAL WILL REGISTRATION AND VERIFICATION SYSTEM ~71:FABER, Talita, MAREE WOONSTELLE, PLOT STREET 0, UITBREIDING 10, HOOPSTAD, 9479, SOUTH AFRICA, South Africa ~72: FABER, Talita~

2026/02400 ~ Provisional ~54:FIRERAZOR – ADAPTIVE PAYMENT SECURITY OVERLAY WITH AI INFERENCE DEFENSE ~71:BHEKI MAHLANGU, STAND NO 404 MANDELA, South Africa;PRINCESS THULISILE MAHLANGU, STAND NO 404 MANDELA, South Africa;SELINAH THOKO FIHLIWE MAHLANGU, STAND NO 404 MANDELA, South Africa ~72: BHEKI MAHLANGU;PRINCESS THULISILE MAHLANGU;SELINAH THOKO FIHLIWE MAHLANGU~

2026/02405 ~ Provisional ~54:INTEGRATED FLOATING OCEAN PLATFORM FOR RENEWABLE ENERGY GENERATION, SEAWATER DESALINATION, ENVIRONMENTAL REMEDIATION, AND INTELLIGENT

ADAPTIVE CONTROL ~71:Bhevin Lux Collective (Pty) Ltd, 78 Marula Circle, Trenance Park, South Africa ~72: Pravin Rathan Singh~

2026/02409 ~ Complete ~54:A NOVEL NANOCOMPOSITE COATING FOR CORROSION-RESISTANT AND SELF-HEALING METALLIC STRUCTURES ~71:Dr. Devansh Parag Desai, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Dr. Hirenkumar Shantilal Jagani, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Dr. Kaushal Purohit, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Dr. Pina Mandar Bhatt, Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Dr.Vijaykumar Singh, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Mr. Mohammad Imran Anees Ahmad, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Mr. Vikrant Kiritkumar Baxi, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Silver Oak University, Silver Oak University, Ahmedabad, 382481, Gujarat, India ~72: Dr. Devansh Parag Desai;Dr. Hirenkumar Shantilal Jagani;Dr. Kaushal Purohit;Dr. Pina Mandar Bhatt;Dr.Vijaykumar Singh;Mr. Mohammad Imran Anees Ahmad;Mr. Vikrant Kiritkumar Baxi~

2026/02417 ~ Complete ~54:MACHINE LEARNING-BASED PERSONALIZED PUSH SYSTEM FOR FINANCIAL SELF-SERVICE TERMINALS ~71:Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Bing Liu;Huanhuan Cheng~

2026/02412 ~ Complete ~54:IN-SITU SOIL RECONSTRUCTION AND IMPROVEMENT METHOD SUITABLE FOR OPEN-PIT GRASSLAND MINING AREAS ~71:JARUD BANNER ZHAHANAOER COAL INDUSTRY CO., LTD., Jarud Banner Zhahanaoer Development Zone, Tongliao, Inner Mongolia Autonomous Region, People's Republic of China;Land Consolidation and Rehabilitation Center Ministry of Natural Resources, No.37, Guanyingyuan West District, Xicheng District, Beijing, 100035, People's Republic of China ~72: Caisheng ZHAO;Dapeng ZHAO;Fei SHEN;Jinchao FENG;Jingwei WANG;Jingyu LIU;Liang ZHAO;Qiao YANG;Xinxin QI;Xuliang LIU;Yahua KANG;Ying SHEN;Zhengshan JU;Zhihui ZHOU~ 33:CN ~31:2025107556948 ~32:07/06/2025

2026/02423 ~ Complete ~54:JET MILL WITH RECIRCULATING PRODUCT FLOW ~71:KRONOS INTERNATIONAL, INC., Peschstr. 5, LEVERKUSEN 51373, GERMANY, Germany ~72: SANDROCK, Martin~ 33:EP ~31:23189426.2 ~32:03/08/2023

2026/02426 ~ Complete ~54:MODULAR ANTI-COLLISION BUCKET ~71:Anhui Sanlian Applied Traffic Technology Co., Ltd, No. 88 Huatuo Lane, High-tech Zone, Hefei City,, Anhui Province,, 230088, People's Republic of China;Anhui Sanlian Robot Technology Co., Ltd, No. 88 Huatuo Lane,, High-tech Zone,, Hefei City,, Anhui Province,, 230088, People's Republic of China;Anhui Sanlian University, No. 47 Hean Road,, Economic Development Zone,, Hefei City,, Anhui Province, 230000, People's Republic of China ~72: Jiujiu YU;Long MEI;Pengfei FENG;Tao GU;Wei JIANG;Xiangyong ZHAO~ 33:CN ~31:202510558902.5 ~32:30/04/2025

2026/02386 ~ Provisional ~54:FINANCIAL LITERACY CERTIFICATION SYSTEM ~71:MR THATO MOLORANE, 45 Heritage Heights Estate, South Africa ~72: MR THATO MOLORANE~ 33:ZA ~31:First application ~32:27/02/2026

2026/02434 ~ Provisional ~54:LAMPSHADE WITH INTERCHANGE-ABLE INSERTS ~71:Neil Van Der Merwe, 24 Westerwijk Place, South Africa ~72: Neil Van Der Merwe~

2026/02385 ~ Provisional ~54:ANTI-THEFT GATE MOTOR COVER ~71:SEAN JOSEPH MOHAMED, 2 SLABBERT STREET, South Africa ~72: SEAN JOSEPH MOHAMED~ 33:ZA ~31:2025/00301 ~32:27/02/2026

2026/02403 ~ Provisional ~54:VEBIS: VERIFIED BUSINESS IDENTITY SYSTEM WITH AI RISK INTELLIGENCE AND COUNTER-INFERENCE DEFENSE ~71:PRINCESS THULISILE MAHLANGU, STAND NO 404 MANDELA,

South Africa;SELINAH THOKO FIHLIWE MAHLANGU, STAND NO 404 MANDELA, South Africa;TimothyJabulani Mahlangu, 404 Mandela Village, South Africa ~72: PRINCESS THULISILE MAHLANGU;SELINAH THOKO FIHLIWE MAHLANGU;TimothyJabulani Mahlangu~

2026/02410 ~ Complete ~54:A HARDWARE-INTEGRATED DYNAMIC FINANCIAL FORECASTING SYSTEM IMPLEMENTING STATE SPACE MODELING ~71:Dr. Diwakar Kumar, Assistant professor, B.B.A Department, Yogoda Satsanga Mahavidyalaya, Hawai Nagar, Road No. 8, Khuti Road, Birsa Chowk, Ranchi, Jharkhand, 834003, India;Dr. Mrinal Gaurav, Assistant professor, Commerce Department, Yogoda Satsanga Mahavidyalaya, Gaurav House, Road Number 9 B, Kishoreganj, Ranchi, Jharkhand, 834001, India ~72: Dr. Diwakar Kumar;Dr. Mrinal Gaurav~

2026/02414 ~ Complete ~54:DUAL-STAGE BIO-CHEMICAL DOSING AND MECHANICAL FILTRATION SYSTEM FOR WASTEWATER TREATMENT ~71:Adyasa Padhi, Department of Healthcare Management, School of Business, Galgotias University, Greater Noida, Uttar Pradesh, India;Dr. Anant Prakash Agrawal, Department of Mechanical Engineering, Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh, India;Dr. Rajeev Kumar, Department of Mechanical Engineering, Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh, India;Dr. Saurabh Yadav, Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, Greater Noida, Uttar Pradesh, India;Dr. Shagun Varshney, Department of Biomedical Engineering, UV Patel College of Engineering, Ganpat University, Mehsana, Gujarat, India;Dr. Vineeta Gautam, Department of Oil Technology, Harcourt Butler Technical University, Nawabganj, Kanpur, Uttar Pradesh, India;Thejus Jacob, Kripa Bhawan, Muirabad, Allahabad, Uttar Pradesh, India ~72: Adyasa Padhi;Dr. Anant Prakash Agrawal;Dr. Rajeev Kumar;Dr. Saurabh Yadav;Dr. Shagun Varshney;Dr. Vineeta Gautam;Thejus Jacob~

2026/02421 ~ Complete ~54:UV-LED CURABLE VISCOUS PRINTING INKS AND PRINTING PROCESSES ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: CHABRIER, Stéphane;DROUX, Laurent;HOGGETT, John;NOUZILLE, Eric;WELLS, Frederick~ 33:EP ~31:23189455.1 ~32:03/08/2023

2026/02399 ~ Provisional ~54:APPGUARD ~71:PRINCESS THULISILE MAHLANGU, STAND NO 404 MANDELA, South Africa;SELINAH THOKO FIHLIWE MAHLANGU, STAND NO 404 MANDELA, South Africa;VICTOR LINDOKUHLE MAHLANGU, STAND NO 404 MANDELA, South Africa ~72: PRINCESS THULISILE MAHLANGU;SELINAH THOKO FIHLIWE MAHLANGU;VICTOR LINDOKUHLE MAHLANGU~

2026/02401 ~ Provisional ~54:CONTAINER ~71:S N V PLASTICS CC, 17B BELL STREET, NEW ERA, South Africa ~72: GONCALVES, NELSON DE JESUS~

2026/02404 ~ Provisional ~54:CEMENT-BASED ADHESIVE COMPOSITION AND METHOD FOR CRACK-RESISTANT GLAZING AND SURFACE FINISHING ~71:BHEKI MAHLANGU, STAND NO 404 MANDELA, South Africa;VICTOR LINDOKUHLE MAHLANGU, STAND NO 404 MANDELA, South Africa ~72: BHEKI MAHLANGU;VICTOR LINDOKUHLE MAHLANGU~

2026/02406 ~ Provisional ~54:SYSTEM AND METHOD FOR ENERGY-EFFICIENT SEAWATER DESALINATION USING SUBSURFACE CENTRIFUGAL REVERSE OSMOSIS WITH MULTI-FACTOR DEPTH ENHANCEMENT ~71:Bhevin Lux Collective (Pty) Ltd, 78 Marula Circle, Trenance Park, South Africa ~72: Pravin Rathan Singh~

2026/02413 ~ Complete ~54:RAPID VEGETATION ESTABLISMENT METHOD SUITABLE FOR OPEN-PIT GRASSLAND MINING AREAS ~71:JARUD BANNER ZHAHANAOER COAL INDUSTRY CO., LTD., Jarud Banner Zhahanaoer Development Zone, Tongliao, Inner Mongolia Autonomous Region, People's Republic of China;Land Consolidation and Rehabilitation Center Ministry of Natural Resources, No.37, Guanyingyuan West

District, Xicheng District, Beijing, 100035, People's Republic of China ~72: Caisheng ZHAO;Fei SHEN;Hongyu CHEN;Jianchao FENG;Junpeng XIAO;Qiao YANG;Wei LI;Wenhai LI;Xuecheng FU;Ying SHEN;Yongchao XU;Zhanwei MIAO;Zhengshan JU;Zhichao WANG~ 33:CN ~31:2025107556933 ~32:07/06/2025

2026/02422 ~ Complete ~54:USE OF PROTON PUMP REGULATOR IN PREPARATION OF DRUG ~71:Shanghai QuietD Biotechnology Co., Ltd., Room 403, 4th Floor, Building 14, No. 58 Zidong Road, Minhang District, SHANGHAI 201111, CHINA (P.R.C.), People's Republic of China ~72: LI, Kaicheng;LI, Zhen;YOU, Pu~ 33:CN ~31:202310969320.7 ~32:03/08/2023

2026/02467 ~ Provisional ~54:DIGITAL ACADEMIC VERIFICATION ~71:Thabang Samuel Napo, 30072 Dichoeung Village, South Africa ~72: Thabang Samuel Napo~ 33:ZA ~31:MA22026821224 ~32:01/03/2026

2026/02427 ~ Complete ~54:INSTALLATION FOR CONTINUOUSLY HOT DIP COATING A STEEL STRIP AND METHOD THEREFORE ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Patrice VICENTE-HERNANDEZ;Paul DURIGHELLO;Rémi VALENTIN~ 33:IB ~31:PCT/IB2023/060791 ~32:26/10/2023

2026/02383 ~ Provisional ~54:AUTONOMOUS MULTI-MODE VEHICLE SURVIVAL POD WITH BUOYANCY AND VACUUM RETRACTION. ~71:Raveshni Chetty, 06 Sarwan place, South Africa ~72: Raveshni Chetty~ 33:ZA ~31:2026/01749 ~32:11/02/2026

2026/02388 ~ Provisional ~54:DUAL-MOTOR REGENERATIVE ELECTRIC VEHICLE SYSTEM WITH BIDIRECTIONAL INVERTER AND SMART ENERGY MANAGEMENT ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02393 ~ Provisional ~54:CABLE ANCHOR BEARING PLATES ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2026/02408 ~ Provisional ~54:HIERARCHICAL ARTIFICIAL INTELLIGENCE SYSTEM FOR MULTI-OBJECTIVE OPTIMISATION, PREDICTIVE MAINTENANCE, FLEET-WIDE DISTRIBUTED LEARNING, AND GEOPHYSICAL EVENT DETECTION FOR OCEAN-BASED RENEWABLE ENERGY AND DESALINATION PLATFORMS ~71:Bhevin Lux Collective (Pty) Ltd, 78 Marula Circle, Trenance Park, South Africa ~72: Pravin Rathan Singh~

2026/02424 ~ Complete ~54:METHOD OF CONTINUOUS CASTING OF A COMPOSITE METALLIC PRODUCT ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Nicolas PIRLOT;Paul NAVEAU~

2026/02395 ~ Provisional ~54:WATER HEATER FLANGE BODY ~71:TRIO INDUSTRIES CC, 15B Bradford Road, South Africa ~72: GOOSEN, Cornelius Johannes~

2026/02420 ~ Complete ~54:TENSIONING APPARATUS FOR APPLYING A TENSION TO ELONGATE METAL ELEMENTS, A MACHINE FOR MANUFACTURING A REINFORCED METAL NETTING COMPRISING SAME, AND A METHOD FOR MANUFACTURING A REINFORCED METAL NETTING ~71:OFFICINE MACCAFERRI S.P.A., Via Albricci Alberico 9, Italy ~72: Antoine GAGLIARDI~ 33:IT ~31:102023000018054 ~32:01/09/2023

2026/02425 ~ Complete ~54:SEQUENTIAL DC FAST CHARGING WITH INTEGRATED SIMULTANEOUS AC CHARGING ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: ROBINSON, Andrew B.;SELVEY, Dustin C.~ 33:US ~31:18/238,946 ~32:28/08/2023

2026/02430 ~ Complete ~54:MINIPROTEINS, CONJUGATES & USES THEREOF ~71:AKTIS ONCOLOGY, INC., 17 Drydock Avenue, 4th Floor, Suite 17-401, United States of America ~72: BLACKWELL, III, William C.;DOLIGALSKI, Michael Lawrence;FELDMAN, Paul L.;GOBER, Isaiah Nathaniel;GOODMAN, Brian Scott;KIL, Hyun Joo;KOVACS, Jeff;LIPOVSEK, Dasa;PRICE, Trevor;RODEN, Matthew;SRIVASTAVA, Ved;WAY, James

M.~ 33:US ~31:63/587,042 ~32:29/09/2023;33:US ~31:63/598,874 ~32:14/11/2023;33:US ~31:63/618,228 ~32:05/01/2024;33:US ~31:63/636,078 ~32:18/04/2024

2026/02389 ~ Provisional ~54:HYDROGEN-POWERED SUPERSONIC PASSENGER AIRCRAFT WITH CRYOGENIC FUEL SYSTEM AND ADVANCED AVIONICS ARCHITECTURE ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02390 ~ Provisional ~54:AUTONOMOUS NUCLEAR-ASSISTED SUPERSONIC HIGH-ALTITUDE AEROSPACE PLATFORM WITH AI-MANAGED POWER, THERMAL REGULATION, AND FLIGHT CONTROL ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02391 ~ Provisional ~54:SOVEREIGN DIGITAL CLAIMS (SDC) ~71:Skhulile Mthembu, 117 Wilhelmina Avenue Constantia Kloof, South Africa ~72: Skhulile Mthembu~ 33:ZA ~31:N/A ~32:08/02/2026;33:GB ~31:N/A ~32:09/02/2026;33:US ~31:N/A ~32:09/02/2026

2026/02394 ~ Provisional ~54:HYDROGEN-FUELED INTEGRATED TURBO–RAM COMBINED-CYCLE UNMANNED AERIAL VEHICLE WITH ADAPTIVE SUPERSONIC TRANSITION CONTROL ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02397 ~ Provisional ~54:SHOWMAPP ~71:BHEKI MAHLANGU, STAND NO 404 MANDELA, South Africa;TimothyJabulani Mahlangu, 404 Mandela Village, South Africa;VICTOR LINDOKUHLE MAHLANGU, STAND NO 404 MANDELA, South Africa ~72: BHEKI MAHLANGU;TimothyJabulani Mahlangu;VICTOR LINDOKUHLE MAHLANGU~

2026/02402 ~ Provisional ~54:SYSTEM AND METHOD FOR NUMERIC INVARIANT–BASED ARTIFICIAL INTELLIGENCE USING CANONICAL MULTI-BODY ORBITS ~71:Sudhir Singh, 4 sandfields road, South Africa ~72: Sudhir Singh~

2026/02407 ~ Provisional ~54:SYSTEM AND METHOD FOR RECOVERING MICROPLASTICS AND NANOPLASTICS FROM REVERSE OSMOSIS DESALINATION REJECT BRINE, INCLUDING DUAL-PATH TREATMENT FOR COMPLETE PARTICLE SIZE COVERAGE AND RETROFIT APPLICATION TO EXISTING DESALINATION INSTALLATIONS ~71:Bhevin Lux Collective (Pty) Ltd, 78 Marula Circle, Trenance Park, South Africa ~72: Pravin Rathan Singh~

2026/02411 ~ Complete ~54:RECONFIGURABLE ANTENNA SYSTEM WITH AI-DRIVEN BEAM STEERING FOR 6G WIRELESS COMMUNICATION ~71:Dr. Anuradha P. Desai, Associate Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Dr. Sreenath Narayanan Nair, Associate Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Mr. Alaap Someshwar Jagdale, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Mr. Jvalant Ashokkumar Modi, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Mr. Narendra Chaitanya Mahavadia, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat,, India;Mr. Rakeshkumar Manilal Patel, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Mr. Utsav Pankajbhai Yagnik, Assistant Professor, Silver Oak University, Ahmedabad, 382481, Gujarat, India;Silver Oak University, Silver Oak University, Ahmedabad, 382481, Gujarat, India ~72: Dr. Anuradha P. Desai;Dr. Sreenath Narayanan Nair;Mr. Alaap Someshwar Jagdale;Mr. Jvalant Ashokkumar Modi;Mr. Narendra Chaitanya Mahavadia;Mr. Rakeshkumar Manilal Patel;Mr. Utsav Pankajbhai Yagnik~

2026/02415 ~ Complete ~54:A MICROBIAL PREPARATION, PREPARATION METHOD AND APPLICATION THEREOF ~71:Guangdong Institute of Tobacco Science, 6th and 7th floors, West Tower, Chengtou Business Building, No. 69 Binjiang Road, Wujiang District, Shaoguan City, Guangdong Province, 512026, People's Republic of China ~72: DENG, Haibin;DING, Wei;SUN, Zheng;WANG, Hang;WANG, Jun;YANG, Liang~

2026/02418 ~ Complete ~54:TRANSIENT OVERVOLTAGE PROTECTION CIRCUIT ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: KAKA, Bharadwaj;MART, Geoffrey;PANI, Pratyush;YU, Dachuan~ 33:US ~31:19/084,036 ~32:19/03/2025

2026/02428 ~ Complete ~54:RING SEAL REMOVAL TOOL HAVING INTEGRATED MEASUREMENT DEVICE ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: BARROW, Luke K.;EVERY, Joseph J.;HEMRY, Michael Scott;POTTS, Gregory O.;THIMMAPURAM, Vijai;WALTERS, Dean W.~ 33:US ~31:18/458,840 ~32:30/08/2023

2026/02431 ~ Complete ~54:METHODS AND SYSTEMS FOR TRAINING AI MODELS FOR DIAGNOSTICS ~71:Exhalation Technology Limited, 50/60 Station Road,, United Kingdom ~72: BREJL, Stig Lytke;D'CRUZ, Leon Gerard~ 33:EP ~31:23196387.7 ~32:08/09/2023;33:EP ~31:23216304.8 ~32:13/12/2023

2026/02384 ~ Provisional ~54:A SYSTEM AND COMPOSITION FOR MODULATING HUMAN TASTE PERCEPTION ~71:Lelethu Baliso, 1332 robin street, South Africa ~72: Lelethu Baliso~

2026/02387 ~ Provisional ~54:FINANCIAL INTEGRITY PROTECTION AND CYBER LOSS COMPENSATION INSURANCE ~71:MR THATO MOLORANE, 45 Heritage Heights Estate, South Africa ~72: MR THATO MOLORANE~ 33:ZA ~31:First application ~32:27/02/2026

2026/02396 ~ Provisional ~54:A RETAINING ARRANGEMENT ~71:CAREY, Benjamin, George, 8 PLATINA STREET, JUKSKEI PARK, RANDBURG, 2188, SOUTH AFRICA, South Africa ~72: CAREY, Benjamin, George~

2026/02416 ~ Complete ~54:METHOD AND SYSTEM FOR IDENTIFYING NCRNA PROTEIN-CODING POTENTIAL BASED ON MULTI-SCALE SEMANTIC AUGMENTATION AND FEATURE CALIBRATION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: ZHANG, Jingpu~

2026/02419 ~ Complete ~54:DEVICE FOR LAUNCHING AIRBORNE OBJECTS ~71:CITIUS ALTIUS GMBH, Seitnerstrabe 47c, 82049, Pullach im Isartal, Germany ~72: HEINRICH, Frank~ 33:DE ~31:10 2023 123 898.1 ~32:05/09/2023

2026/02429 ~ Complete ~54:THERMOMETER ~71:MEDICAL INDICATORS, INC., 16 THOMAS J. RHODES INDUSTRIAL DRIVE, HAMILTON, NJ 08619, USA, United States of America ~72: ATRE, Ajey, Shashikant;MOY, Ryan, John;SENATUS, Bedwuine~ 33:US ~31:63/530,731 ~32:04/08/2023

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2026/02453 ~ Complete ~54:KOD POLYMERASE VARIANTS WITH URACIL TEMPLATE TOLERANCE ~71:WATCHMAKER GENOMICS, INC., 5744 Central Ave., Suite 100, Boulder, Colorado, 80301, United States of America ~72: BJARNE FAURHOLM;CAMPBELL MCDULING;ERIC VAN DER WALT;LEONIDAS KARAMANOF~ 33:US ~31:63/766,640 ~32:04/03/2025

2026/02521 ~ Provisional ~54:A SECURITY REINFORCEMENT ASSEMBLY FOR AUTOMOTIVE LAMP HOUSINGS ~71:Adriaan de Klerk, 640 Jan Bantjies rd unit 16 Zambali Villas, South Africa ~72: Adriaan de Klerk~

2026/02436 ~ Provisional ~54:MODULAR COOLING SYSTEM ~71:Mathews Consolidated Holdings Pty Ltd, 77 Tijger Vallei Office Park, 13 Pony street, South Africa ~72: I Mathews~

2026/02440 ~ Provisional ~54:SECURITY SYSTEM ~71:NASH, Craig Nicholas, 96 Roy Campbell Street, Brackenhurst, South Africa ~72: NASH, Craig Nicholas~

2026/02444 ~ Complete ~54:LANGUAGE LEARNING METHOD AND SYSTEM BASED ON NINE SYMBOLS ~71:Nine Symbols Technology (Shenzhen) Co., LTD., 4B28, Shuisong Building, Tairan Science and Technology Park, No. 25, Tairan 8th Road, Tian'an Community, Shatou Street, Futian District, Shenzhen, China, People's Republic of China ~72: Linfei LUO~ 33:US ~31:19248725 ~32:25/06/2025

2026/02445 ~ Complete ~54:MICRO-PARTICLE TISSUE PREPARATION DEVICE ~71:The First Affiliated Hospital of Chongqing Medical University, No.1 Youyi Road, Yuzhong District, Chongqing, People's Republic of China ~72: E Yang;Peng Chen;Xinhao Liu~

2026/02448 ~ Complete ~54:METHOD FOR BREEDING RICE VARIETY RESISTANT TO SOUTHERN RICE BLACK-STREAKED DWARF DISEASE ~71:Guangxi Academy Of Agricultural Sciences, 174# East Daxue Rd., Nanning, Guangxi, 530007, People's Republic of China ~72: CHEN, Can;FENG, Rui;HE, Yi;JIANG, Xianbin;LI, Danting;LI, Weirong;LIANG, Shuhui;LIANG, Yuntao;NONG, Baoxuan;WANG, Caixian;WANG, Hai;XIA, Xiuzhong;YANG, Xinghai;ZENG, Yu;ZHANG, Zongqiong~ 33:CN ~31:202511756503.6 ~32:26/11/2025

2026/02450 ~ Complete ~54:MULTI-SOURCE DATA FUSION RESOURCE ALLOCATION OPTIMIZATION DECISION SYSTEM ~71:Chengdu University of Information Technology, No.24 Block 1, Xuefu Road, Southwest Airport Economic Development Zone, Chengdu, Sichuan, People's Republic of China ~72: Kaiqi Zhou;Xiangyan Xu;Yan Wang;Yong Li~

2026/02438 ~ Provisional ~54:BLAST DETECTION FOR BATTERY-POWERED WIRELESS MESH NETWORK IN UNDERGROUND MINING. ~71:Mathews Consolidated Holdings Pty Ltd, 77 Tijger Vallei Office Park, 13 Pony street, South Africa ~72: I Mathews~

2026/02452 ~ Complete ~54:A SUPPORT ~71:ROON, Selwin, Jakobus, Emiel, 258B RIGEL AVENUE SOUTH, WATERKLOOF RIDGE, PRETORIA, 0181, SOUTH AFRICA, South Africa ~72: ROON, Selwin, Jakobus, Emiel~ 33:ZA ~31:2025/01287 ~32:12/02/2025

2026/02460 ~ Complete ~54:METHOD OF PROTECTING PLANTS OR SEEDS FROM STRESS INJURY RESULTING FROM ENVIRONMENTAL STRESS ~71:BEDOUKIAN RESEARCH, INC., 21 Finance Drive, Danbury, United States of America ~72: BEDOUKIAN, David Zareh;DA SILVA, Rodrigo Oliveira~ 33:US ~31:63/538,144 ~32:13/09/2023

2026/02464 ~ Complete ~54:PLANT CULTIVATION METHOD, USE AND PRODUCT ~71:EPIPLANT CO. LTD., Room 601, Building 6, China Aluminum Science And Technology Innovation Park South District, Future Science City, Changping District, BEIJING 100000, CHINA (P.R.C.), People's Republic of China ~72: JIA, Guifang;LI, Ji;LI, Weifeng~ 33:CN ~31:202311114382.6 ~32:31/08/2023

2026/02433 ~ Provisional ~54:AI-DRIVEN PERSONAL STYLE ANALYSIS AND CROSS-CATEGORY RECOMMENDATION SYSTEM USING FULL-BODY IMAGING ~71:Yusuf Mayet, 13A 6th Avenue, South Africa ~72: Yusuf Mayet~

2026/02437 ~ Provisional ~54:MODIFIED VALVE LEVER FOR INACCESSIBLE VALVE LEVERS ~71:Mathews Consolidated Holdings Pty Ltd, 77 Tijger Vallei Office Park, 13 Pony street, South Africa ~72: I Mathews~

2026/02442 ~ Provisional ~54:NANOPOROUS SPINEL LI-MN-O CATHODE MATERIAL ~71:UNIVERSITY OF LIMPOPO, C/O R71 Tzaneen Road and University Street, South Africa ~72: BEAUTY SHIBIRI;PHUTI ESROM NGOEPE;RAESIBE SYLVIA LEDWABA~

2026/02451 ~ Complete ~54:DRYING BINS ~71:MAYO MACS SA (PTY) LTD, D16, Road 1054, Schagen, South Africa ~72: GROBLER, Heinrich Christof;JOUBERT, Johannes Wilhelmus;JOUBERT, Nicolaas Johannes Jackobus~ 33:ZA ~31:2025/01565 ~32:20/02/2025

2026/02459 ~ Complete ~54:CARTRIDGE FOR USE IN AN AEROSOL-GENERATING DEVICE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BELISÁRIO ZORZAL, Poliana;CHISCOP, Catalin Marian;HAN, Wanjiang;MOHSENI, Farhang;TACK, Filip~ 33:EP ~31:23190968.0 ~32:10/08/2023

2026/02463 ~ Complete ~54:DEUTERIUM AND ARYL AMINE COMPOUNDS AND USES THEREOF ~71:XENON PHARMACEUTICALS INC., 200 - 3650 Gilmore Way, BURNABY V5G 4W8, BC, CANADA, Canada ~72: CLARK, Michael Philip;DEHNHARDT, Christoph Martin;ZENOVA, Alla Yurevna~ 33:US ~31:63/583,710 ~32:19/09/2023;33:US ~31:63/681,004 ~32:08/08/2024

2026/02443 ~ Provisional ~54:A DISPLACEMENT DENSITY METER ~71:HENDRIK CHRISTOFFEL KOTZÉ, 14 Freesia Street, Roberts Estate, Clubville, Middelburg, Mpumalanga, 1050, South Africa ~72: HENDRIK CHRISTOFFEL KOTZÉ~

2026/02456 ~ Complete ~54:METHOD FOR ENHANCING ROSMARINIC ACID CONTENT IN SARCANDRA GLABRA THROUGH VACUUM FREEZE DRYING PROCESSING ~71:GUANGXI BOTANICAL GARDEN OF MEDICINAL PLANTS, 189, Changgang Road, Xingning District, People's Republic of China ~72: BAI, Longhua;HUANG, Qi;LAN, Zuzai;LI, Yuqiong;LIANG, Wenjing;LIN, Wei;PAN, Chunliu;PENG, Gaowei;TAN, Guiyu;WEI, Shugen;ZHAI, Yongjin;ZHANG, Zhanjiang;ZHU, Dan~

2026/02441 ~ Provisional ~54:TAILINGS DAM BUTTRESS AND SYSTEM AND METHOD OF FORMATION ~71:UNDERGROUND TECHNOLOGY AND CONSULTING (PTY) LTD, 1 Nursery Road, Westerndeep Levels, South Africa ~72: BROOKS, Egan Denton~

2026/02465 ~ Provisional ~54:FLAME-WATER DISTILLATION CASCADE™ (FWDC™) MULTI-STAGE THERMODYNAMIC CASCADE SYSTEM AND METHOD FOR SELECTIVE VAPOR RECOVERY ~71:7 SLASH INNOVATIONS (PTY) LTD, 58 VAN DEN HEEVER STREET, OU DORP, ODENDAALSRUS, South Africa ~72: MR.THABANG TIMOTHY MAMBALO~

2026/02439 ~ Provisional ~54:SECURITY RATCHET TIEDOWN STRAP ~71:CRAMER, Brent, 4 SUMMERDALE CLOSE, JUKSKEI PARK, South Africa ~72: CRAMER, Brent~

2026/02446 ~ Complete ~54:PORTABLE GAUZE COUNTING DEVICE FOR OPERATING ROOM ~71:Beijing Children's Hospital, Capital Medical University Baoding Hospital, No. 3399 Hengxiang North Street, Lianchi District, Baoding City, Hebei Province, People's Republic of China ~72: Chen Chen~

2026/02447 ~ Complete ~54:IDENTIFICATION METHOD FOR INCREASING THE INCIDENCE OF SOUTHERN RICE BLACK-STREAKED DWARF DISEASE ~71:Guangxi Academy Of Agricultural Sciences, 174# East Daxue Rd., Nanning, Guangxi, 530007, People's Republic of China ~72: FENG, Rui;GUO, Hui;HE, Yi;LEI, Dekun;LI, Danting;LI, Weirong;NONG, Baoxuan;WANG, Caixian;WANG, Hai;XIA, Xiuzhong;XU, Zhijian;YANG, Xinghai;ZENG, Yu;ZHANG, Zongqiong~ 33:CN ~31:202511756404.8 ~32:26/11/2025

2026/02455 ~ Complete ~54:HEPATOBILIARY IMAGE SEGMENTATION METHOD BASED ON 2.5D MODEL AND WATERSHED ANALYSIS ~71:HUNAN CANCER HOSPITAL, No. 582, Xianjiahu, Yuelu District, Changsha City, People's Republic of China ~72: CHEN, Pan;DUAN, Xiaohui;LONG, Ying;LUO, Jia;MAO, Xianhai;SHI, Lei;WANG, Xiaohui;XIAO, Hua;XIE, Wei~ 33:CN ~31:2025119836704 ~32:25/12/2025

2026/02458 ~ Complete ~54:NITROGEN-LINKED BENZISOXAZOLE SULFONAMIDE DERIVATIVES FOR THE TREATMENT OF CANCER ~71:CTXT PTY LTD, 305 Grattan Street, Melbourne, Australia;PFIZER INC., 66 Hudson Boulevard East, New York, United States of America ~72: BURTEA, Alexander;COLLINS, Michael Raymond;DEL BEL, Matthew L.;GREASLEY, Samantha Elizabeth;JOHNSON, Eric;JOHNSON, Ted William;KUMPF, Robert Arnold;KUNG, Pei-Pei;MONTGOMERY, Timothy Patrick;NINKOVIC, Sacha;RESCOURIO, Gwenaella Christine;RICHARDSON, Paul Francis;SCALES, Stephanie Anne;SUTTON, Scott Channing~ 33:US ~31:63/542,051 ~32:02/10/2023;33:US ~31:63/546,442 ~32:30/10/2023;33:US ~31:63/566,213 ~32:15/03/2024;33:US ~31:63/633,660 ~32:12/04/2024;33:US ~31:63/665,990 ~32:28/06/2024;33:US ~31:63/697,154 ~32:20/09/2024

2026/02560 ~ Provisional ~54:BIER BOKKIE ~71:Aldo Camarena, 201 Von Willich Avenue, South Africa ~72: Aldo Camarena Eichinger~

2026/02454 ~ Complete ~54:RAPID DETECTION KIT BASED ON B-CYCLODEXTRIN-FUNCTIONALIZED MAGNETIC MESOPOROUS CARBON COMPOSITE MATERIAL AND USE THEREOF ~71:GANSU ZHONGSHANG FOOD QUALITY INSPECTION AND TESTING CO., LTD., 19th Floor, Building C, Lianchuang Plaza, No. 449, Yan South Road, Chengguan District, People's Republic of China ~72: CHEN, Yanpeng;WANG, Zongmei;WU, Jianqiang;XU, Ruotong;YUAN, Caixia;ZHOU, Hongxin~

2026/02432 ~ Provisional ~54:SYSTEM AND METHOD FOR REAL-TIME MULTILINGUAL TRANSLATION, OPTICAL RELIGIOUS TEXT RECOGNITION, AUGMENTED REALITY SUBTITLE RENDERING, AND WEARABLE DEVICE INTEGRATION ~71:Yusuf Mayet, 13A 6th Avenue, South Africa ~72: Yusuf Mayet~

2026/02435 ~ Provisional ~54:SYMPLECTIC PHASE SPACE COMPUTING APPARATUS AND METHOD FOR REAL TIME SIGNAL MEASUREMENT. ~71:Matthew Ryan Cholewinski, 16c Van Riebeeck Rd, South Africa ~72: Matthew Ryan Cholewinski~

2026/02449 ~ Complete ~54:A METHOD FOR CONSTRUCTING A GREEN PREVENTION AND CONTROL SYSTEM FOR WALNUT PESTS AND DISEASES ~71:Shandong Normal University, No.88 Wenhua East Road, Jinan City, Shandong Province, People's Republic of China ~72: Fan Kun;Fu Li;Zang Liguo~ 33:CN ~31:2026101343622 ~32:30/01/2026

2026/02457 ~ Complete ~54:METHOD AND SYSTEM FOR QUANTITATIVE ASSESSMENT OF POSTOPERATIVE HEPATOBILIARY LESIONS BASED ON DLPE ~71:HUNAN CANCER HOSPITAL, No. 582, Xianjiahu, Yuelu District, Changsha City, People's Republic of China ~72: CHEN, Pan;DUAN, Xiaohui;LONG, Ying;LUO, Jia;MAO, Xianhai;SHI, Lei;WANG, Xiaohui;XIAO, Hua;XIE, Wei~ 33:CN ~31:2025118067150 ~32:02/12/2025

2026/02461 ~ Complete ~54:ENABLING SPECIAL UE MEASUREMENT BEHAVIOR ~71:NOKIA TECHNOLOGIES OY, Karakaari 7, Finland ~72: DALSGAARD, Lars;DIMNIK, Riikka Karoliina;GOYAL, Sanjay;KAINULAINEN, Jani-Pekka;KOSKELA, Timo~ 33:US ~31:63/542,817 ~32:06/10/2023

2026/02462 ~ Complete ~54:PHARMACEUTICAL COMPOUNDS AND COMPOSITIONS AS C-KIT KINASE INHIBITORS ~71:ENANTA PHARMACEUTICALS, INC., 4 Kingsbury Avenue, United States of America ~72: CAO, Hui;;GAO, Xuri;LI, Wei;MITCHELL, Scott;OR, Yat Sun;RHODES, Matthew C.;SIU, Yuk, Ming;XING, Xuechao;XU, Peilin;ZHANG, Jiajun~ 33:US ~31:US63/531,637 ~32:09/08/2023;33:US ~31:US63/607,506 ~32:07/12/2023;33:US ~31:US63/667,539 ~32:03/07/2024

. - APPLIED ON 2026/03/04 -

2026/02477 ~ Complete ~54:3D PRINTING METHOD AND DEVICE BASED ON ACETABLAR BONE DEFECT MODEL ~71:JILIN JIANZHU UNIVERSITY, NO. 5088, XINCHENG STREET, People's Republic of China ~72: CAO, Mengshu;FANG, Juan;REN, Xinyou;WANG, Changpeng;XU, Cheng~

2026/02483 ~ Complete ~54:FURNACE TAPHOLE ARRANGEMENT ~71:TENOVA SOUTH AFRICA (PTY) LTD, Midrand Business Park, Building No 4, 563 Old Pretoria Road, Halfway House, Midrand, 1685, South Africa ~72: HUGO JOUBERT~ 33:ZA ~31:2025/01739 ~32:26/02/2025

2026/02501 ~ Complete ~54:KEY PROVISION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: GÜRSU, Halit Murat;KARABULUT, Umur;ORKOPOULOS, Stawros;P NAIR, Suresh;SELVAGANAPATHY, Srinivasan;SPAPIS, Panagiotis~ 33:IN ~31:202341053590 ~32:10/08/2023

2026/02519 ~ Complete ~54:METHOD OF CONTROLLING OR REDUCING SENESCENCEIN PLANTS AND SEEDS ~71:BEDOUKIAN RESEARCH, INC., 21 Finance Drive, Danbury, United States of America ~72: BEDOUKIAN, David Zareh;DA SILVA, Rodrigo Oliveira~ 33:US ~31:63/538,146 ~32:13/09/2023

2026/02497 ~ Complete ~54:CONTROL RESOURCE SET#0 PUNCTURING CONTROL ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HAKOLA, Sami-Jukka;HOOLI, Kari, Juhani;HUGL, Klaus;LUNTTILA, Timo, Erkki;TIIROLA, Esa, Tapani~ 33:US ~31:63/518,380 ~32:09/08/2023

2026/02499 ~ Complete ~54:MONITORING DOWNLINK CONTROL INFORMATION BASED ON CONFIGURATION INFORMATION AND STATUS OF CELL DISCONTINUOUS OPERATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DU, Lei;KHLASS, Ahlem;LASELVA, Daniela;LAURIDSEN, Mads;WU, Chunli;ZHENG, Naizheng~

2026/02511 ~ Complete ~54:MEMBER FOR THE COMBINED GRIPPING AND DETECTION OF THE PRESENCE OF A FERROMAGNETIC PART ~71:SENSTRONIC, 22 rue des Rustauds, 67700 Monswiller, France ~72: BENOÎT HAMANN;JEAN-MARC BORTOLAMI;NOAM NANCY~ 33:FR ~31:FR2309587 ~32:12/09/2023

2026/02469 ~ Provisional ~54:MODULAR AERIAL DRONE MANAGEMENT SYSTEM AND INTEGRATED DEPLOYMENT AND RECHARGE ARCHITECTURE FOR MANNED ROTORCRAFT ~71:Kuphumla Dlepu, 6138 unit -p postdam, South Africa ~72: Kuphumla Dlepu~

2026/02480 ~ Complete ~54:COMMUNICATION SERVICE SYSTEM AND COMMUNICATION SERVICE PROCESSING METHOD ~71:SONG HAIYAN, No. 241, Ruanlou Village, Chengjiao Township, Sui County, Shangqiu City, People's Republic of China ~72: SONG, Haiyan~

2026/02491 ~ Complete ~54:DETERMINATION OF REPEATER BEAM APPLICATION TIME IN APERIODIC BEAM INDICATION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: BAO, Lei;DORTSCHY, Boris;ÅSTRÖM, Magnus~ 33:US ~31:63/532,037 ~32:10/08/2023

2026/02494 ~ Complete ~54:PTH TREATMENT OF CHRONIC KIDNEY DISEASE ~71:ASCENDIS PHARMA BONE DISEASES A/S, TUBORG BOULEVARD 12, 2900 HELLERUP, DENMARK, Denmark ~72: MAKARA, Michael, Anthony;SHU, Aimee, D.;SIBLEY, Christopher~ 33:US ~31:63/580,422 ~32:04/09/2023;33:US ~31:63/614,012 ~32:22/12/2023;33:US ~31:63/639,316 ~32:26/04/2024

2026/02505 ~ Complete ~54:TECHNOLOGIES FOR MEASURING GREENHOUSE GAS EMISSIONS IN RUMINANTS FOLLOWING ADMINISTRATION OF FEED ADDITIVES ~71:ELANCO US INC., 2500 Innovation

Way, GREENFIELD, IN, USA, United States of America ~72: DHUYVETTER, Kevin;GILREATH, Jessica;KVIDERA, Sara;MCGEE, Darren~ 33:US ~31:63/536,816 ~32:06/09/2023

2026/02512 ~ Complete ~54:JIG FOR ALIGNING SODERBERG ELECTRODE CASINGS ~71:HATCH LTD., 2800 Speakman Drive, Mississauga, Ontario, L5K 2R7, Canada ~72: STEPHEN HALEY~ 33:US ~31:63/535,769 ~32:31/08/2023

2026/02513 ~ Complete ~54:ACTIVIN A RECEPTOR TYPE 1C (ACVR1C) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;ADITI DUBEY;ELANE FISHILEVICH;JAMES D MCININCH;MARK K SCHLEGEL~ 33:US ~31:63/539,682 ~32:21/09/2023;33:US ~31:63/694,377 ~32:13/09/2024

2026/02488 ~ Complete ~54:HUJUN ZHENFAN DECOCTION AND USES THEREOF ~71:ZHAO Wujin, Wanxiang Garden, Xihua North Street, Xihuachi Town, Heshui County, Qingyang City, Gansu Province, 745400, People's Republic of China ~72: ZHAO Wujin~

2026/02492 ~ Complete ~54:MECHANISMS FOR SUPPORT OF SATELLITE OR FEEDER LINK SWITCH WITH UNCHANGED PCI AND CARRIER FREQUENCY ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: MÄÄTTÄNEN, Helka-Liina;PASCUAL PELAYO, Ignacio, Javier;RUNE, Johan;ZHANG, Zhang~ 33:CN ~31:PCT/CN2023/112507 ~32:11/08/2023;33:CN ~31:PCT/CN2023/117136 ~32:06/09/2023

2026/02514 ~ Complete ~54:SAFETY MECHANISM FOR AN OVERSHOT, OVERSHOT INCLUDING SAME, AND METHOD OF USING SAME ~71:EPIROC CANADA INC., 1025 Tristar Drive, Mississauga, Ontario, L5T 1W5, Canada ~72: PATRICK SALVADOR;SPENCER GAUTHIER~ 33:US ~31:63/587,869 ~32:04/10/2023

2026/02517 ~ Complete ~54:HANDLING EMERGENCY ACCESS ~71:NOKIA TECHNOLOGIES OY, Karakaari 7, Finland ~72: KOSKELA, Jarkko Tuomo;KOSKINEN, Jussi-Pekka;TURTINEN, Samuli Heikki~ 33:US ~31:63/589,491 ~32:11/10/2023

2026/02520 ~ Complete ~54:KRAS MODULATORS ~71:ALTEROME THERAPEUTICS, INC., 13480 Evening Creek Drive North, Suite 450, United States of America ~72: BARTBERGER, Michael David;FAN, Yi;MURPHY, Eric Anthony;ZHU, Xuefeng~ 33:US ~31:63/583,975 ~32:20/09/2023;33:US ~31:63/584,247 ~32:21/09/2023;33:US ~31:63/611,382 ~32:18/12/2023;33:US ~31:63/636,328 ~32:19/04/2024;33:US ~31:63/671,340 ~32:15/07/2024

2026/02515 ~ Complete ~54:DEVICE AND RELATED METHODS FOR DEBRIDEMENT OF WOUNDS ~71:ZANAME AB, Box 10, 534 21, Vara, Sweden ~72: KARIN BERGQVIST;ULRICA SCHERDIN-ALMHÖJD~ 33:SE ~31:2351079-5 ~32:15/09/2023

2026/02475 ~ Complete ~54:METHOD FOR ENHANCING POLYSACCHARIDE CONTENT AND ANTIOXIDANT ACTIVITY OF EDIBLE MUSHROOM POWDER ~71:Shandong Academy of Agricultural Sciences, No. 23788, Industrial North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: CUI, Wenjia;GONG, Zhiqing;HOU, Furong;JIA, Chengli;JIA, Fengjuan;SHI, Junyan;SONG, Shasha;WANG, Wenliang;WANG, Yansheng;ZHANG, Jian~

2026/02487 ~ Complete ~54:CABLE MEMBRANE STRUCTURE TESTING DEVICE ~71:BEIJING UNIVERSITY OF TECHNOLOGY, NO. 100, PINGLEYUAN, CHAOYANG DISTRICT, People's Republic of China;SHAANXI ACADEMY OF ARCHITECTURAL SCIENCES CO., LTD., NO. 272, NORTH SECTION OF HUANCHENG WEST ROAD, LIANHU DISTRICT, People's Republic of China ~72: DU, Xiuli;GUO, Penggang;HUANG, Sicong;LI,

Jinru;LI, Teng;LIU, Mingliang;MIAO, Pengyong;WU, Jinzhi;WU, Yanru;ZHOU, Chunjuan~ 33:CN ~31:2026100546390 ~32:15/01/2026

2026/02495 ~ Complete ~54:CHANNEL STATE INFORMATION REPORTING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DEGHEL, Matha;LAKSHMINARAYANAPURAM KRISHNAKUMAR, Kamakshi;LASELVA, Daniela;ZHENG, Naizheng~

2026/02503 ~ Complete ~54:NOVEL 1,2,4-OXADIAZOLES COMPOUNDS AS FUNGICIDE ~71:PI INDUSTRIES LTD., Udaisagar Road Udaipur, India ~72: ASHAMONI, Suresh;AUTKAR, Santosh Shridhar;JADHAV, Rushikesh;KLAUSENER, Alexander G.M;NAIK, Maruti Nagappa;PABBA, Jagadish;SARANGTHEM, Robindro Singh;SHANBHAG, Gajanan Shrinivas;YADAV, Ajay Singh~ 33:IN ~31:202311060460 ~32:08/09/2023

2026/02470 ~ Provisional ~54:A TANK ~71:JANSE VAN RENSBURG, Andre, 1008 FISH EAGLE STREET, BIRDWOOD, HARTEBEESPOORT, South Africa ~72: JANSE VAN RENSBURG, Andre;NEL, Werner~

2026/02481 ~ Complete ~54:AI-BASED CONTROL METHOD FOR VARIABLE-FREQUENCY HEAT PUMPS AND CONTROL SYSTEM USING THE SAME ~71:QINGDAO BANKE FREQUENCY CONVERSION TECHNOLOGY CO., LTD., No.1 and 3 Workshop and No. 4 Office Building, No. 277, South of Minshan Road, Huangdao District, Qingdao City, People's Republic of China ~72: GUAN, Yanbin;LI, Guangming;LIU, Xuxian~ 33:CN ~31:2026100557605 ~32:16/01/2026

2026/02489 ~ Complete ~54:CYCLOBUTYL-CONTAINING COMPOUNDS ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No.369 Yuzhou South Rd., Lianyungang, People's Republic of China ~72: HU, Kongquan;HUANG, Yongkang;REN, Jing;WEI, Jian;WEI, Xiaochao;XU, Sheng~ 33:CN ~31:202311073391.5 ~32:23/08/2023;33:CN ~31:202410544791.8 ~32:30/04/2024;33:CN ~31:202411125992.0 ~32:15/08/2024

2026/02490 ~ Complete ~54:ANTI-C-MET NANOBODY AND USE THEREOF ~71:MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED, Room 4-401, Hexiang Technology Center, Qiantang New District, People's Republic of China;MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED, Room 1002, 10th Floor, Building 1, No. 333 Shengrong Road, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: CAO, Guoqing;CAO, Yuting;LIU, Bo;SHI, Junwei;WENG, Xialian;ZHU, Liyuan~ 33:CN ~31:202311018785.0 ~32:14/08/2023

2026/02506 ~ Complete ~54:AGROCHEMICAL COMPOSITION ~71:UPL EUROPE SUPPLY CHAIN GMBH, Suurstoffi 37, Switzerland;UPL MAURITIUS LIMITED, 6th Floor, Suite 157B, Harbor Front Building, President John Kennedy Street, Mauritius ~72: VIEIRA DE CAMPOS, Luiz Carlos~ 33:IN ~31:202331052569 ~32:04/08/2023

2026/02507 ~ Complete ~54:FORCE-SENSING DEVICE AND APPARATUS ~71:REAL INSTRUMENTS LIMITED, 919 Cameron Road, Gate Pa, New Zealand ~72: RHODES, David Charles;WOOD, Michael Alexander~ 33:AU ~31:2023903575 ~32:08/11/2023

2026/02510 ~ Complete ~54:LINKED BICYCLIC COMPOUNDS FOR CONTROLLING AND COMBATING INVERTEBRATE PESTS ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: WENMING ZHANG~ 33:US ~31:63/531,348 ~32:08/08/2023

2026/02518 ~ Complete ~54:SIDE TIPPING TRAILER, AND DOOR ASSEMBLY ~71:ROADWEST TRANSPORT EQUIPMENT & SALES PTY LTD, 100 Beechboro Road, Bayswater, Australia ~72: LOMBARDI, Peter~ 33:AU ~31:2023902958 ~32:13/09/2023

2026/02472 ~ Provisional ~54:HYBRID DATA CENTRE ENERGY MODULE ~71:Martin Hempel, 4 Ibiswood, 30 Dana Street, South Africa ~72: Martin Hempel~

2026/02474 ~ Complete ~54:EFFICIENT AND QUALITY-PRESERVING STERILIZATION METHOD FOR GINGER JUICE ~71:Shandong Academy of Agricultural Sciences, No. 23788, Industrial North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: CUI, Wenjia;GONG, Zhiqing;HOU, Furong;JIA, Chengli;JIA, Fengjuan;SHI, Junyan;SONG, Shasha;WANG, Wenliang;WANG, Yansheng;ZHANG, Jian~

2026/02478 ~ Complete ~54:HEAP LEACHING OF SULPHIDE ORES ~71:MINTEK, 200 Malibongwe Drive, South Africa ~72: BASSON, Petrus;NDHLALOSE, Mpumelelo Success;NXUMALO, Duduzile Nontobeko;ROBERTSON, Stefan Walters~ 33:ZA ~31:2025/01924 ~32:04/03/2025

2026/02484 ~ Complete ~54:INDOLE DERIVATIVES AS RAS INHIBITORS IN THE TREATMENT OF CANCER ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ADRIAN L GILL;ANDREAS BUCKL;BIANCA JENNIFER LEE;DAVID E WILDES;ELENA S KOLTUN;G. LESLIE BURNETT;JAMES CREGG;JOHN E KNOX;MALLIKA SINGH;MEGHAN A RICE;NAING AAY;YANG LIU~ 33:US ~31:63/078,802 ~32:15/09/2020;33:US ~31:63/129,231 ~32:22/12/2020;33:US ~31:63/184,412 ~32:05/05/2021;33:US ~31:63/192,775 ~32:25/05/2021

2026/02500 ~ Complete ~54:MONITORING FOR CONTROL INFORMATION IN A POSITIONING MEASUREMENT GAP ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LAURIDSEN, Mads;SUN, Jing Yuan;YUAN, Ping~

2026/02522 ~ Provisional ~54:RECURSIVE ASSET TRACER ~71:K2025935186 (SOUTH AFRICA), 194 turf club street turffontein, 7 Dilli Court, South Africa;Romano Refael Samson, 194 turf club street turffontein, 7 Dilli Court, South Africa ~72: Megan Robyn Samson;Romano Refael Samson~

2026/02473 ~ Complete ~54:DRYING METHOD FOR IMPROVING FLAVOR AND QUALITY OF GARLIC SLICES ~71:Shandong Academy of Agricultural Sciences, No. 23788, Industrial North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: CUI, Wenjia;GONG, Zhiqing;HOU, Furong;JIA, Chengli;JIA, Fengjuan;SHI, Junyan;SONG, Shasha;WANG, Wenliang;WANG, Yansheng;ZHANG, Jian~

2026/02523 ~ Provisional ~54:INTEGRATED MOBILITY VERIFICATION, PREDICTIVE RISK SCORING, AND SECURITY ESCORT DISPATCH COORDINATION SYSTEM ~71:Tshepo Wayne Botlhoko, 86 Ray Street, Sophiatown, South Africa ~72: Tshepo Wayne Botlhoko~

2026/02468 ~ Provisional ~54:A SYSTEM FOR ESTATE DOCUMENT REGISTRY AND ESTATE DATA MODELLING ~71:VABAZA, Tembelani, 23 Glenroy Place, Brentwood Park, South Africa ~72: VABAZA, Tembelani~

2026/02471 ~ Provisional ~54:A TRANSCUTANEOUS BIO-ELECTRONIC INTERVENTION DEVICE FOR THE MITIGATION OF IN VIVO PATHOGEN MOTILITY ~71:KEITH RADUE, 33 BEVERLEY AVENUE, South Africa ~72: KEITH RADUE~

2026/02476 ~ Complete ~54:PRESS BAND SUITABLE FOR POST LUMBAR PUNCTURE IN HEMATOLOGY DEPARTMENT ~71:CHONGQING UNIVERSITY CANCER HOSPITAL, No. 181 Hanyu Road, Shapingba District, Chongqing, 400030, People's Republic of China ~72: Duan huijun;Huang qiuping;Liu tingting;Lv jing;Ran xin;Wang xia;Xu luxiang~

2026/02479 ~ Complete ~54:BOW-SHAPED FLEXIBLE SHIELD SYSTEM AND SUPPORT FOR GOB-SIDE ENTRY RETAINING IN COAL MINES ~71:CHONGQING UNIVERSITY, No. 174, Shapingba Zheng Street, Shapingba District, People's Republic of China;SICHUAN CHUANMEI SHIDONGGOU COAL INDUSTRY CO., LTD., Sanjiang Town, Wangwangcang County, Guangyuan City, People's Republic of China ~72: CHEN, Yutong;DONG, Taihua;HE, Linbo;JIANG, Yongdong;LI, Fangsheng;LIU, Huajun;LUO, Hongbin;QIU, Quangang;WANG, Yunhe;XIANG, Min;YANG, Haibin;YANG, Qijun;YANG, Yongwei;YUAN, Tinghao;ZHANG, Xueliang;ZHONG, Haotian;ZOU, Yong~

2026/02482 ~ Complete ~54:INTEGRATED METHOD FOR ENHANCING EXPLORATION EFFICIENCY OF SKARN / PORPHYRY CONCEALED ORE DEPOSITS ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO. 68, WENCHANG ROAD, WUHUA DISTRICT, KUNMING CITY, People's Republic of China ~72: CEN, Chao;DONG, Tao;LI, Wenchang;LIU, Xuelong;YANG, Fucheng;YU, Haijun~ 33:CN ~31:202610091748X ~32:23/01/2026

2026/02485 ~ Complete ~54:BREAST CARE DEVICE POST-BREAST TUMOR SURGERY ~71:SICHUAN CANCER HOSPITAL, NO. 55, SECTION 4, RENMIN SOUTH ROAD, WUHOU DISTRICT, CHENGDU CITY,, People's Republic of China ~72: LIANG, Ying;YI, Long~

2026/02502 ~ Complete ~54:CONDITIONAL CELL CHANGE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DOSTI, Endrit;KARABULUT, Umur;SELVAGANAPATHY, Srinivasan;SPAPIS, Panagiotis~ 33:IN ~31:202341053791 ~32:10/08/2023

2026/02504 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS ~71:GALEN LIMITED, Seagoe Industrial Estate, CRAIGAVON BT63 5UA, UNITED KINGDOM, United Kingdom ~72: CUMMINGS, Paul;LAVERY, Brian;MCKEE, Patricia~ 33:GB ~31:2313738.3 ~32:08/09/2023

2026/02508 ~ Complete ~54:THIENYLSULFONYL CARBAMATES AS AT2R AGONISTS ~71:HUBEI BIO-PHARMACEUTICAL INDUSTRIAL TECHNOLOGICAL INSTITUTE INC., No. 666 Gaoxin Road, Wuhan East Lake Hi-tech Development Zone, Wuhan, People's Republic of China ~72: AN, Ke;FU, Haoliang;GAO, Zhenxing;SUN, Xiaochuan;ZANG, Yang;ZHANG, Xuejun;ZHAO, Xin;ZHUO, Junming~ 33:CN ~31:202311089313.4 ~32:25/08/2023;33:CN ~31:202410298612.7 ~32:14/03/2024;33:CN ~31:202411103404.3 ~32:12/08/2024

2026/02509 ~ Complete ~54:IMPROVED METHOD TO INCREASE DRUG SUBSTANCE YIELD ~71:PHARMAESSENTIA CORPORATION, 13F, No. 3 Park Street, Nangang District, Taipei, 115, Taiwan Province of China, Taiwan, Province of China ~72: KO-CHUNG LIN;MING-PIN HSU;YU-KUEI TSAI~ 33:US ~31:63/540,749 ~32:27/09/2023

2026/02516 ~ Complete ~54:DASH PANEL REINFORCEMENT RING ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Dan HASENPOUTH;Jimmy LAM~ 33:IB ~31:PCT/IB2023/060414 ~32:16/10/2023

2026/02486 ~ Complete ~54:ADJUSTABLE ANGLE INFUSION STAND FIXATION DEVICE FOR ONCOLOGY DEPARTMENT ~71:SICHUAN CANCER HOSPITAL, NO. 55, SECTION 4, RENMIN SOUTH ROAD, WUHOU DISTRICT, CHENGDU CITY, People's Republic of China ~72: LIANG Ying;YI Long~

2026/02496 ~ Complete ~54:SIDELINK FEEDBACK INFORMATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ABREU, Renato, Barbosa;JACOBSEN, Thomas, Haaning;JAISWAL, Akshay;KIILERICH PRATAS, Nuno, Manuel;LIU, Jian Guo;LIU, Yong;WILDSCHEK, Torsten~

2026/02493 ~ Complete ~54:HETEROGENEOUS MATERIAL PROCESSING SYSTEM AND METHOD ~71:DISA TECHNOLOGIES, INC., 1010 FALCON AVE., MILLS, WYOMING 82644, USA, United States of America ~72: DICK, Jordan, Dean;HALVERSON, Andrew, George, Pfleider;LEE, John, Hamilton;PIERPOINT, Garrett, Luke~ 33:US ~31:63/519,166 ~32:11/08/2023;33:US ~31:63/590,955 ~32:17/10/2023

2026/02498 ~ Complete ~54:MECHANISM FOR IMPROVING RATIONAL DISCONTINUOUS RECEPTION CYCLE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KAIKKONEN, Jorma, Johannes;MARCANO, Andrea;PARIS, Stefano;SONG, Jian;WU, Chunli~

. - APPLIED ON 2026/03/05 -

2026/02527 ~ Provisional ~54:SENTYNELL: DYNAMIC DURESS-RESPONSIVE USER INTERFACE FOR FINANCIAL APPLICATIONS ~71:Delight Phefadu, 3 WF Nkomo Street, South Africa;Mogomotsi Boitse, 1027 Kutlwano Street, South Africa ~72: Delight Phefadu;Mogomotsi Boitse~

2026/02537 ~ Complete ~54:A SYSTEM FOR ESTATE DOCUMENT REGISTRY AND ESTATE DATA MODELLING ~71:VABAZA, Tembelani, 23 Glenroy Place, Brentwood Park, South Africa ~72: VABAZA, Tembelani~ 33:ZA ~31:2025/02062 ~32:07/03/2025;33:ZA ~31:2026/02468 ~32:04/03/2026

2026/02540 ~ Complete ~54:ULTRASONIC CLEANING OF STIR CHAMBER FOR AGRICULTURAL SAMPLE SLURRY ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;LEVY, Kent~ 33:US ~31:63/586,656 ~32:29/09/2023;33:US ~31:63/586,672 ~32:29/09/2023;33:US ~31:63/586,702 ~32:29/09/2023

2026/02544 ~ Complete ~54:METHOD FOR SECURELY ASSESSING A DEVICE CONFIGURATION ~71:VODAFONE GROUP SERVICES LIMITED, Vodafone House, The Connection, United Kingdom ~72: ARMSTRONG, Helen;BAYLISS, Ed;LYNCH, Pete~ 33:GB ~31:2312681.6 ~32:18/08/2023

2026/02534 ~ Complete ~54:A HEAT TREATMENT METHOD FOR A HIGH-STRENGTH AND HIGH-TOUGHNESS DUCTILE IRON CRANKSHAFT ~71:Kunming University of Science and Technology, No. 253 Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650300, People's Republic of China ~72: Biju Zheng;Dehong Lu;Mojin Zhou;Xiangming Li;Zhenhua Li~ 33:CN ~31:202512053589.2 ~32:31/12/2025

2026/02557 ~ Complete ~54:STATIC ENERGY STORAGE CELL ~71:SUPERDIELECTRICS SUPERCAP LTD, The Mansion, Chesterford Research Park, United Kingdom ~72: BUXTON, Wesley;CHAMBERS, Scott;CHAUHAN, Deep;DREYER, Rudolf;HEATHCOTE, William;PARR, Zachary;RAMAKRISHNAN, Prakash;ROWLEY, Jason~ 33:GB ~31:2313728.4 ~32:08/09/2023

2026/02558 ~ Complete ~54:TIMING ADVANCE GROUP INDICATION ~71:NOKIA TECHNOLOGIES OY, Karakaari 7, Finland ~72: TURTINEN, Samuli Heikki;WU, Chunli~

2026/02535 ~ Complete ~54:A WATER-SAVING IRRIGATION SYSTEM FOR THE CULTIVATION OF FARMLAND CROPS ~71:Yancheng Teachers University, No. 2, Xiwang Avenue South Road, Tinghu District, Yancheng City, Jiangsu Province, 224007, People's Republic of China ~72: Guoliang Xiao;Runping Zhang;Tianxiang Ren;Wucun Meng;Xiaofeng An;Yidan Kang~

2026/02562 ~ Provisional ~54:GENERATOR FUEL INTEGRITY MONITORING AND ISOLATIONSYSTEM (GFIMIS) ~71:Jaco, 8 peak close, South Africa ~72: Jaco wentzel~

2026/02554 ~ Complete ~54:AP2 ASSOCIATED KINASE 1 INHIBITORS AND USES THEREOF ~71:SATELLOS BIOSCIENCE INC., 200 Bay Street, Suite 2800, Toronto, Ontario, M5J 2J1, Canada ~72: JAMES BRIAN JAQUITH~ 33:US ~31:63/537,405 ~32:08/09/2023

2026/02536 ~ Complete ~54:A MOUNTING BRACKET FOR AN ENERGY-SAVING DEVICE ~71:Chongqing Tianmeng Lidi Technology Co., Ltd., Room 2203, No. 25, University Town Middle Road, High-tech Zone, Chongqing, 401331, People's Republic of China;Langshi New Material Technology (Chongqing) Co., Ltd., 5th Floor, Unit 1-1, Building 2, Pinjian Silicon Valley Park, No. 19 Hefeng Avenue, Ma'an Street, Fuling District, Chongqing, 408102, People's Republic of China ~72: Hongyun YANG;Kai CEN;Xuelei ZHANG~ 33:CN ~31:2026202322883 ~32:26/02/2026

2026/02561 ~ Provisional ~54:DYNAMIC UNDERFLOOR ENVIRONMENTAL MAPPING AND COOLING OPTIMIZATION SYSTEM FOR DATA CENTRES ~71:Jaco wentzel, 8 peak close Salberau, South Africa ~72: Jaco wentzel~

2026/02528 ~ Complete ~54:CINNAMON TWIG DECOCTION CHINESE MEDICINAL PREPARATION AND LIPID-LOWERING USE THEREOF ~71:INSTITUTE OF CHINESE MATERIA MEDICA CHINA ACADEMY OF CHINESE MEDICAL SCIENCES, No.16, Inner South Street, Dongzhimen, Dongcheng District, Beijing, 100700, People's Republic of China ~72: HUO Hairu;LIU Yuling;SONG Qi;SUI Feng~

2026/02531 ~ Complete ~54:METHOD FOR MAKING BREAD WITH ADDED SOYBEAN OLEOSOMES AND BROWN RICE FERMENT ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: LIU Yulin;SUN Jie;XU Jingsheng;YIN Guoyou;ZHANG Menglu~

2026/02559 ~ Provisional ~54:ADVANCE PROOF OF ADDRESS DISPLAY ON SCREEN VIA APP ~71:GEORGE MAKHAYA MASOMBUKA, 1707 ALLEMANSDRIFT, South Africa ~72: GEORGE MAKHAYA MASOMBUKA~

2026/02549 ~ Complete ~54:COMMUNICATION METHOD AND APPARATUS ~71:HUAWEI TECHNOLOGIES CO., LTD., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: HUANG, Lei;LIU, Chenchen;QIAN, Bin;YANG, Xun~ 33:CN ~31:202311150468.4 ~32:06/09/2023

2026/02542 ~ Complete ~54:AGRICULTURAL ANALYSIS SYSTEM AND CALIBRATION METHODS THEREOF ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: MOLTER, Michael;SEELYE, Joshua~ 33:US ~31:63/586,726 ~32:29/09/2023;33:US ~31:63/586,955 ~32:29/09/2023;33:US ~31:63/586,966 ~32:29/09/2023

2026/02546 ~ Complete ~54:CRUSHER FEED CHUTE COVER ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: JUUTINEN, Tuomas;KOSKINEN, Karri;RAJALA, Jouni T.;YLÄNNE, Sakari~ 33:FI ~31:20236071 ~32:28/09/2023

2026/02539 ~ Complete ~54:AGRICULTURAL SAMPLE PROCESSING AND ANALYSIS SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KAISER, Jesse;MOLTER, Michael~ 33:US ~31:63/586,486 ~32:29/09/2023;33:US ~31:63/586,489 ~32:29/09/2023;33:US ~31:63/586,497 ~32:29/09/2023;33:US ~31:63/586,500 ~32:29/09/2023;33:US ~31:63/586,504 ~32:29/09/2023;33:US ~31:63/586,510 ~32:29/09/2023

2026/02553 ~ Complete ~54:ANTIBODY DRUG CONJUGATE ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No. 369 Yuzhou South Rd., Lianyungang, Jiangsu, 222062, People's Republic of China;NANJING SHUNXIN PHARMACEUTICALS CO., LTD. OF CHIATAI TIANQING PHARMACEUTICAL GROUP, No.1099 Fuying Road, Jiangning High-Tech Zone, Jiangning District, Nanjing, Jiangsu, 211100, People's Republic of China ~72: BING ZHANG;HUA WANG;HUACE SHENG;TIANXI CHEN;TONGJIE

XU;WEIWEI FENG;XIAOJIN WANG;XIAOQI TANG;XIQUAN ZHANG;YONG GAO;ZHENGPING ZHANG~ 33:CN ~31:202010814877.X ~32:13/08/2020

2026/02548 ~ Complete ~54:TRICYCLIC HETEROAROMATIC INHIBITORS OF KLK5 ~71:BioCryst Pharmaceuticals, Inc., 4505 Emperor Blvd., Suite 200, DURHAM 27703, NC, USA, United States of America ~72: BABU, Yarlagadda S.;DANG, Zhao;JUAREZ, Luis;KOTIAN, Pravin L.;LIU, Yong;LV, Wei;RAMAN, Krishnan;SPAULDING, Andrew E.;ZHANG, Weihe~ 33:US ~31:63/534,700 ~32:25/08/2023

2026/02524 ~ Provisional ~54:SECURITY DEVICE ~71:DA SERRA, AJG, Unit 23, Wild Teak Estate, Phyllis Street, South Africa ~72: DA SERRA, AJG~

2026/02533 ~ Complete ~54:PREPARATION METHOD OF BULK-TYPE INTELLIGENT TEMPERATURE-REGULATING PHASE CHANGE FIBER ~71:Civil Aviation Flight University of China, No. 46, Section 4, Nanchang Road, Sanshui Town, Guanghan City, Sichuan Province, 618307, People's Republic of China ~72: DOU, Qihang;DUAN, Junjie;JIANG, Zongjie;LI, Gang;WU, Yi;XIONG, Shenghua;YANG, Yunyun~

2026/02550 ~ Complete ~54:COMPOSITIONS FOR USE IN THE TREATMENT OF BACTERIAL VAGINOSIS ~71:KATHOLIEKE UNIVERSITEIT LEUVEN, KU Leuven R&D Waaistraat 6, Belgium;PURNA PHARMACEUTICALS NV, Rijksweg 17, Belgium ~72: STEENACKERS, Hans;THEVISSEN, Karin;VACKIER, Thijs~ 33:EP ~31:23190183.6 ~32:08/08/2023

2026/02543 ~ Complete ~54:ISOXAZOLINE DERIVATIVE AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:RINGPU BIOLOGY CO., LTD., No.1, Dongjiu Road, Pilot Free Trade Zone (Airport Economic Zone) Binhai New Area, Tianjin, 300308, People's Republic of China ~72: LI, Qiang;LI, Shoujun;LI, Yaling;LIU, Ailing;LIU, Mengyue;XIE, Honglei;ZHANG, Liang;ZHANG, Mingxiang~ 33:CN ~31:202311045481.3 ~32:18/08/2023

2026/02547 ~ Complete ~54:AEROSOL GENERATOR ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: JAUREGUI, Juan Esteban Paz~ 33:GB ~31:2313907.4 ~32:12/09/2023

2026/02552 ~ Complete ~54:FRICTION ROCK ANCHOR ~71:THEODORE DANIEL SWEMMER, 12 Villa Milano, 11 Christelle Street, Six Fountains Estate, Silverlakes, Pretoria, 0081, South Africa ~72: THEODORE DANIEL SWEMMER~ 33:ZA ~31:2023/07348 ~32:24/07/2023

2026/02530 ~ Complete ~54:A FOREST SEEDLING ROOT CUTTING MACHINE ~71:Shanxi Academy of Forestry and Grassland Sciences, 105 Xinjian South Road, Yingze District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Ao Xiaoping;Liu Xin;Wu Xiujuan;Yao Limin~

2026/02538 ~ Complete ~54:WAVE-ENERGIZED DIODE PUMP ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRIAN LEE MOFFAT;GARTH ALEXANDER SHELDON-COULSON~ 33:US ~31:62/809,566 ~32:23/02/2019;33:US ~31:62/834,964 ~32:17/04/2019;33:US ~31:62/971,963 ~32:08/02/2020;33:US ~31:16/796,724 ~32:20/02/2020

2026/02555 ~ Complete ~54:N–SUBSTITUTED OXYAMIDE COMPOUND OR SALT THEREOF ~71:ISHIHARA SANGYO KAISHA, LTD., 3-15, Edobori 1-chome, Nishi-ku, Osaka-shi, Osaka, 5500002, Japan ~72: HIROYUKI HAYASHI;KOHSUKE KATO;KUNI FUSHIKIDA;MASANARI OHNO;TAKUYA IWAMOTO;TATSUAKI MAKINO;TATSUHIKO TOSAKI;WAKANA SENUMA~ 33:JP ~31:2023-148047 ~32:13/09/2023;33:JP ~31:2023-148050 ~32:13/09/2023

2026/02525 ~ Provisional ~54:SIYAKHULA BOOKKEEPING APP ~71:Thobile Dhlangmandhla, 3242 VT Mofokeng Street, South Africa ~72: Thobile Hilda Dhlangmandhla~

2026/02529 ~ Complete ~54:APPLICATION OF PEPPER PREPARATION IN REGULATING LIPID METABOLISM OF ORGANISM ~71:INSTITUTE OF CHINESE MATERIA MEDICA CHINA ACADEMY OF CHINESE MEDICAL SCIENCES, No.16, Inner South Street, Dongzhimen, Dongcheng District, Beijing, 100700, People's Republic of China ~72: HUO Hairu;LIU Yuling;SONG Qi;SUI Feng~

2026/02526 ~ Provisional ~54:MODULAR PLANT-MUCILAGE WATER PURIFICATION SYSTEM WITH OPTIONAL ANTIMICROBIAL AND ANTIVIRAL ENHANCEMENT ~71:EchoDrop BioTech (Pty) Ltd, 250 GLOVER AVENUE, South Africa ~72: Conrad van Staden~ 33:ZA ~31:04688 ~32:02/07/2025

2026/02532 ~ Complete ~54:MACHINE LEARNING-BASED METHOD AND SYSTEM FOR TIME SERIES DATA ANALYSIS OF TRAFFIC FLOW ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: LI Hua;YANG Mingfei;ZHANG Yingxin;ZHANG Zilu~

2026/02541 ~ Complete ~54:AGRICULTURAL WASTE HANDLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale M;LEVY, Kent;WILDERMUTH, Paul~ 33:US ~31:63/586,608 ~32:29/09/2023;33:US ~31:63/586,619 ~32:29/09/2023;33:US ~31:63/586,630 ~32:29/09/2023;33:US ~31:63/586,638 ~32:29/09/2023

2026/02545 ~ Complete ~54:METHOD FOR SECURELY ASSESSING A DEVICE CONFIGURATION ~71:VODAFONE GROUP SERVICES LIMITED, Vodafone House, The Connection, United Kingdom ~72: ARMSTRONG, Helen;BAYLISS, Ed;LYNCH, Pete~ 33:GB ~31:2312688.1 ~32:18/08/2023

2026/02551 ~ Complete ~54:SYSTEM PROVIDING AN AUTOMATIC PATCH OF ELECTRICAL SIGNALS BETWEEN TWO DIFFERENT DEVICES AND ASSOCIATED METHOD ~71:FRAMATOME, 1 place Jean Millier, Tour Areva, France ~72: SALMON, Olivier~

2026/02556 ~ Complete ~54:TOPICAL COMPOSITIONS AND USES OF PAI-1 INHIBITORS ~71:EIRION THERAPEUTICS, INC., 25-K Olympia Ave., Suite 200, Woburn, Massachusetts, 01801, United States of America ~72: JAMES D HAMMER;JONATHAN EDELSON~ 33:US ~31:63/583,467 ~32:18/09/2023

. - APPLIED ON 2026/03/06 -

2026/02631 ~ Complete ~54:HERBAL FORMULATION COMPRISING DRIED QUINCE (CYDONIA OBLONGA) AND QUINCE SEED MUCILAGE FOR COUGH MANAGEMENT ~71:MANGALAYATAN UNIVERSITY, ALIGARH, Aligarh-Mathura Highway, Beswan, Aligarh, Uttar Pradesh, India;Syed Raashid Andrabi, Assistant Professor, Paramedical Institute of Vocational education, Mangalayatan University, Beswan Aligarh U.P, India ~72: Syed Raashid Andrabi~

2026/02574 ~ Complete ~54:VISION RECOGNITION-BASED ADAPTIVE CONTROL METHOD FOR TRAFFIC LIGHTS AT SMALL TRAFFIC INTERSECTIONS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: CHEN Shu;GENG Wenhe;WANG Wei;WEI Yannan~

2026/02579 ~ Complete ~54:AN ENERGY-SAVING DEVICE AND A PRODUCTION METHOD THEREOF ~71:Chongqing Tianmeng Lidi Technology Co., Ltd., Room 2203, No. 25, University Town Middle Road, High-tech Zone, Chongqing, 401331, People's Republic of China;Langshi New Material Technology (Chongqing) Co., Ltd., 5th Floor, Unit 1-1, Building 2, Pinjian Silicon Valley Park, No. 19 Hefeng Avenue, Ma'an Street, Fuling

District, Chongqing, 408102, People's Republic of China ~72: Hongyun YANG;Kai CEN;Xuelei ZHANG~ 33:CN ~31:2026102525670 ~32:03/03/2026

2026/02588 ~ Complete ~54:A CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DEBORAH WILLIAMS;EMMA JANE SAUNDERS;NAMISHA MOHAPATRA;PHILIP CAUNT;RAMITHA KALATHIL;ROBERT JOHN CARSWELL;SAMIRAN MAHAPATRA;SANDEEP VARMA;SRILAXMI VENKATA MEDEPALLI~ 33:EP ~31:23202040.4 ~32:06/10/2023

2026/02597 ~ Complete ~54:PROBIOTIC ANIMAL FEED COMPOSITIONS ~71:ELANCO (SHANGHAI) ANIMAL HEALTH CO., LTD, No.1 Changzhong Road, Wusi Farm, Fengxian District, SHANGHAI 201422, CHINA (P.R.C.), People's Republic of China ~72: LEI, Ting;WU, De;ZHANG, XianDong;ZHU, Zeyuan~

2026/02634 ~ Complete ~54:AN AI-ENHANCED AIR QUALITY MONITORING AND VENTILATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEDGOANKAR, Suruchi;HARIBHAU, Kuldeep;KALE, Atharav;KATTI, Rohan;KAWARE, Abhishek Vijay;SHARMA, Nakul;SHELKE, Priya~

2026/02565 ~ Provisional ~54:A SYSTEM AND METHOD FOR REAL-TIME CONDITION MONITORING OF A CONVEYOR BELT ~71:RICE ENGINEERING & PROJECT SPECIALISTS (PTY) LTD., Unit A7, The Palisades, 39 Kelly Road, BOKSBURG, Gauteng, SOUTH AFRICA, South Africa ~72: RICE, Keith John;WAKEFORD, Petrus Johannes~

2026/02569 ~ Provisional ~54:MAGNETICALLY ASSISTED DEBRIS-CAPTURING ANTI-TARNISHING BLADE GUIDE FOR MANUAL BLADE SHARPENERS ~71:Stephan Deon PRETORIUS, 50 Loch Lomond Drive Highlands, South Africa ~72: Stephan Deon PRETORIUS~

2026/02577 ~ Complete ~54:DUST-PROOF CABINET WITH ENERGY-SAVING DEVICE ~71:Chongqing Tianmeng Lidi Technology Co., Ltd., Room 2203, No. 25, University Town Middle Road, High-tech Zone, Chongqing, 401331, People's Republic of China;Langshi New Material Technology (Chongqing) Co., Ltd., 5th Floor, Unit 1-1, Building 2, Pinjian Silicon Valley Park, No. 19 Hefeng Avenue, Ma'an Street, Fuling District, Chongqing, 408102, People's Republic of China ~72: Hongyun YANG;Kai CEN;Xuelei ZHANG~ 33:CN ~31:2026202070276 ~32:11/02/2026

2026/02584 ~ Complete ~54:AZAINDOLE COMPOUND AND MEDICAL DRUG ~71:NIPPON SHINYAKU CO., LTD., 14, Kisshoin Nishinosho Monguchicho, Minami-ku, Kyoto-shi, Kyoto, 6018550, Japan ~72: AKIHIRO MURATA;HIROKI KANEKO;KAORI YAMADA;KAZUYA NISHIBAYASHI;KENJI HATA;TAKASHI TSUJI;TOMOHIRO NAGASAWA;TORU TANAKA~ 33:JP ~31:PCT/JP2023/035221 ~32:27/09/2023

2026/02592 ~ Complete ~54:ENPP3 AND CD3 BINDING AGENTS AND METHODS OF USE THEREOF ~71:JANSSEN BIOTECH, INC., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: HAMURO, Yoshitomo;LACY, Eilyn R.;SETH, Pankaj Keshav;SHAH, Nirav Raju;VIJAYARAGHAVAN, Smruthi~ 33:US ~31:63/531,157 ~32:07/08/2023

2026/02628 ~ Complete ~54:SECURE BLUETOOTH-ENABLED SMART HOME CONTROL SYSTEM WITH MOBILE APPLICATION PAIRING AND DEVICE MANAGEMENT ~71:Amit Kumar Upadhyay, Mangalayatan University, Aligarh, Uttar Pradesh, India;Gunjan Sharma, Mangalayatan University, Aligarh, Uttar Pradesh, India;Love Kumar, Mangalayatan University, Aligarh, Uttar Pradesh, India;MANGALAYATAN UNIVERSITY, ALIGARH, Aligarh-Mathura Highway, Beswan, Aligarh, Uttar Pradesh, India;Mohd. Zuned, Mangalayatan University, Aligarh, Uttar Pradesh, India;Nagma Khatoon, Usha Martin University, Ranchi, Jharkhand, India;Nitin Gautam, Mangalayatan University, Aligarh, Uttar Pradesh, India;Sachin Kumar, Mangalayatan University, Aligarh,

Uttar Pradesh, India;Sharmistha Roy, Usha Martin University, Ranchi, Jharkhand, India;Umesh Chandra Sharma, Mangalayatan University, Uttar Pradesh, Aligarh, India;Vinay Singh, Usha Martin University, Ranchi, Jharkhand, India ~72: Amit Kumar Upadhyay;Gunjan Sharma;Love Kumar;Mohd. Zuned;Nagma Khatoon;Nitin Gautam;Sachin Kumar;Sharmistha Roy;Umesh Chandra Sharma;Vinay Singh~

2026/02570 ~ Provisional ~54:SIDE PLANER ~71:WILBERT WILLEM VAN DEN DOLDER, 26 WILSON STREET, HUNTERS HOMES, KNYSNA, South Africa ~72: WILBERT WILLEM VAN DEN DOLDER~

2026/02575 ~ Complete ~54:PORTABLE ACUPUNCTURE NEEDLE BOX FOR ACUPUNCTURE ~71:Huizhou Sixth People's Hospital, No. 2 Aimin East Road, Danshui Street, Huiyang District, Huizhou, Guangdong, People's Republic of China ~72: Daoer Liu;Guifeng Li;Lihong Luo;Xiaoqiao Lin~

2026/02580 ~ Complete ~54:INTEGRATED METHOD FOR ENHANCING EXPLORATION EFFICIENCY OF SKARN / PORPHYRY CONCEALED ORE DEPOSITS ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO. 68, WENCHANG ROAD, WUHUA DISTRICT, People's Republic of China;YUNNAN GEOLOGICAL SURVEY (YUNNAN ACADEMY OF GEOLOGICAL SCIENCES), WANGDAQIAO, JINMA TOWN, GUANDU DISTRICT, People's Republic of China ~72: CEN, Chao;DONG, Tao;LI, Wenchang;LIU, Xuelong;YANG, Fucheng;YU, Haijun~ 33:CN ~31:202610091748X ~32:23/01/2026

2026/02585 ~ Complete ~54:PRODUCTS AND METHODS FOR INDUCING IMMUNE RESPONSES TO BACTERIA ~71:IMMUNETHEP, SA, Biocant Park, Núcleo 4 Lote 3, Cantanhede, 3060-197, Portugal ~72: ANA PATRÍCIA FIGUEIREDO FIDALGO;CARLA ANDREIA FIDALGO TEIXEIRA;CRISTIANA ANDREIA PEREIRA NOGUEIRA;FILIPA GLÁUCIA RODRIGUES LEMOS;LILIANA ALMEIDA CURADO;MARTA VIRGÍNIA MOTA VIEIRA;PEDRO JORGE FONSECA MADUREIRA;PEDRO MIGUEL DIAS CASTANHEIRA~ 33:PT ~31:118906 ~32:06/09/2023

2026/02589 ~ Complete ~54:SYSTEMS FOR IMPROVED BACTERIAL AND MICROBIAL REDUCTION, EQUIPMENT COMPRISING SAID SYSTEMS AND METHODS OF UTILIZING SAID SYSTEMS AND EQUIPMENT TO IMPROVE BACTERIAL AND MICROBIAL REDUCTION ON FOODS, FOOD PRODUCTS, AND PRODUCE ~71:CLEANWORKS INC., 453 Eastchester Avenue East, St. Catharines, Ontario L2M 6S2, Canada ~72: JOHN PETITTI;LUKE COURT;MARK VANDERVEEN~ 33:US ~31:63/537,157 ~32:07/09/2023

2026/02598 ~ Complete ~54:INHALATION DEVICE ROTARY ACTUATOR ~71:INVOX BELGIUM NV, Agoralaan Building Abis, Belgium ~72: DUDLEY, Steven;MADDEN, Steven;RAWERT, Jürgen~ 33:EP ~31:23205752.1 ~32:25/10/2023

2026/02694 ~ Provisional ~54:A COMPUTER-IMPLEMENTED SYSTEM FOR INTEGRATED DATA MANAGEMENT ~71:The Umbrella Community (Pty)Ltd, 1525 Mamello Section, South Africa ~72: Khanyisile Ellen Limekaya~

2026/02627 ~ Complete ~54:SUSTAINABLE AVIATION FUEL COMPOSITION COMPATIBLE WITH CONVENTIONAL AVIATION TURBINE FUEL ~71:Dr. Dinesh Kumar Sharma, Mangalayatan University, Aligarh, Uttar Pradesh, 202146, India;Dr. Ravi Kant, Mangalayatan University, Aligarh, Uttar Pradesh, 202146, India;Dr. Sakshi Saxena, (DST-WISE SCOPE Fellow), Mangalayatan University, Aligarh, Uttar Pradesh, 202146, India;Dr. Shweta, Mangalayatan University, Aligarh, Uttar Pradesh, 202146, India;MANGALAYATAN UNIVERSITY, ALIGARH, Aligarh-Mathura Highway, Beswan, Aligarh, Uttar Pradesh, India;Tanisha Goyal, Gyanshree School, Noida-Greater Noida Expressway, Sector 127, Noida, Uttar Pradesh, 201304, India ~72: Dr. Dinesh Kumar Sharma;Dr. Ravi Kant;Dr. Sakshi Saxena;Dr. Shweta;Tanisha Goyal~

2026/02629 ~ Complete ~54:A MACHINE LEARNING BASED REAL-TIME BIODEGRADABLE WASTE CLASSIFICATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD,

UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEDGAONKAR, Suruchi;DHAGE, Mayank;MAHAJAN, Arnav;MORE, Pranav;SHARMA, Nakul;SHELKE, Priya~

2026/02564 ~ Provisional ~54:SAFEBOXPRO ~71:AGO Africa, 10 Hofmeyer street, South Africa ~72: Harold Smook~

2026/02587 ~ Complete ~54:CLEANSING LAMELLAR COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: BIVASH, RANJAN DASGUPTA;DANIEL FILIPE PEREIRA;DOUGLAS JOHN HIBAN;DUYGU CELEBI;NARESH DHIRAJLAL GHATLIA~ 33:US ~31:63/543,955 ~32:13/10/2023;33:EP ~31:24167509.9 ~32:28/03/2024

2026/02626 ~ Complete ~54:AN IOT-ENABLED MULTI-SENSOR SYSTEM FOR FOG AND OBSTACLE DETECTION ON HIGHWAYS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GOVINDPURKAR, Shambhavi;KALLAWAR, Prapti;SAKHARE, Vedant;SHARMA, Nakul;WAGHMODE, Mayur;WALKE, Harsh~

2026/02633 ~ Complete ~54:NOVEL HETEROCYCLIC ORGANOBISMUTH COMPOUND(S) WITH ANTIBACTERIAL ACTIVITY AND PROCESSES FOR PREPARATION THEREOF ~71:Dinesh Kumar Sharma, Department of Chemistry, Institute of Applied Sciences, Mangalayatan University, Aligarh, 202146, Uttar Pradesh, India;MANGALAYATAN UNIVERSITY, ALIGARH, Aligarh-Mathura Highway, Beswan, Aligarh, Uttar Pradesh, India;Manisha Sharma, Department of Chemistry, Institute of Applied Sciences, Mangalayatan University Aligarh, 202146, Uttar Pradesh, India;Ravi Kant, Department of Chemistry, Institute of Applied Sciences, Mangalayatan University, Aligarh, 202146, Uttar Pradesh, India;Samarth Singh, Department of Chemistry, Institute of Applied Sciences, Mangalayatan University, Aligarh, 202146, Uttar Pradesh, India ~72: Dinesh Kumar Sharma;Manisha Sharma;Ravi Kant;Samarth Singh~

2026/02691 ~ Complete ~54:FLOAT AND OSCILLATION CIRCUIT FOR A MOBILE MACHINE ~71:JOY GLOBAL SURFACE MINING INC., 401 E.Greenfield Avenue, Milwaukee, WI 53204,, United States of America ~72: SEEGER, Douglas~ 33:US ~31:19/073,777 ~32:07/03/2025

2026/02594 ~ Complete ~54:CRYSTALLINE FORM A1 OF 5-((3R,55)-3-AMINO-5- TRIFLUOROMETHYL-PIPERIDIN-1-YL)-QUINOLINE-8-CARBONITRILE HCL ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: SCHMIDT, Sylvia;UNTENECKER, Harald~ 33:EP ~31:23190662.9 ~32:09/08/2023

2026/02566 ~ Provisional ~54:METHOD AND SYSTEM FOR ANALYSING A MINERAL SAMPLE ~71:AUTOMATED ANALYTICAL LABORATORIES (PTY) LTD, 516B Commissioner Street, Boksburg East, South Africa ~72: DE JONG, Terre-Blanche~

2026/02583 ~ Complete ~54:DEFORMABLE INTELLIGENT ELDERLY-CARE WHEELCHAIR ROBOT ~71:HEFEI UNIVERSITY OF TECHNOLOGY, No.193 Tunxi Road, Baohe District, Hefei, Anhui, 230009, People's Republic of China ~72: LIU, Xiaoli;LIU, Xumeng;SUN, Hao;XU, Linmiao;ZENG, Yuxin;ZHEN, Shengchao~ 33:CN ~31:202511581765.3 ~32:31/10/2025

2026/02586 ~ Complete ~54:TREATING LOCALLY ADVANCED OR METASTATIC UROTHELIAL CANCER WITH ANTI-191P4D12 ANTIBODY DRUG CONJUGATES IN COMBINATION WITH PEMBROLIZUMAB ~71:AGENSYS, INC., 2375 Waterview Drive, Northbrook, Illinois, 60062, United States of America;MERCK SHARP & DOHME LLC, 126 East Lincoln Avenue, P.O. Box 2000, Rahway, New Jersey, 07065, United States of America;SEAGEN INC., 21823 30th Drive SE, Bothell, Washington, 98021, United States of America ~72: OYEWALE O ABIDOYE~ 33:US ~31:63/584,480 ~32:21/09/2023;33:US ~31:63/620,610

~32:12/01/2024;33:US ~31:63/650,806 ~32:22/05/2024;33:US ~31:63/672,135 ~32:16/07/2024;33:US ~31:63/694,044 ~32:12/09/2024

2026/02590 ~ Complete ~54:MULTI-LAYER METALLIZED PAPER-BASED PACKAGING MATERIAL ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BHATTACHARYA, Abhijit;JUKARAINEN, Jenni Irina;LUETHI, Barthelemy~ 33:EP ~31:23191272.6 ~32:14/08/2023

2026/02595 ~ Complete ~54:CRYSTALLINE FORM OF 5-((3R,5S)-3-AMINO-5-TRIFLUOROMETHYL-PIPERIDIN-1-YL)-QUINOLINE-8-CARBONITRILE ~71:MERCK PATENT GMBH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: LANGE, Michael;SCHMIDT, Sylvia~ 33:EP ~31:23190662.9 ~32:09/08/2023;33:EP ~31:23190665.2 ~32:09/08/2023

2026/02632 ~ Complete ~54:ARTIFICIAL INTELLIGENCE ASSISTED SUPERCRITICAL TRANSESTERIFICATION SYSTEM FOR CONVERTING WASTE COOKING OIL TO BIODIESEL ~71:Ashutosh Kumar, Assistant Professor, Usha Martin University- Ranchi, Angara, Ranchi, Jharkhand, India;Kishan Pal Singh, Professor, Mangalayatan University, Aligarh-Mathura Highway, Beswan, Aligarh, Uttar Pradesh, India;MANGALAYATAN UNIVERSITY, ALIGARH, Aligarh-Mathura Highway, Beswan, Aligarh, Uttar Pradesh, India;Shweta, Assistant Professor, Mangalayatan University, Aligarh-Mathura Highway, Beswan, Aligarh, Uttar Pradesh, India ~72: Ashutosh Kumar;Kishan Pal Singh;Shweta~

2026/02563 ~ Provisional ~54:AUTONOMOUS DISTRIBUTED AGRICULTURAL FEEDING AND TREATMENT SYSTEM ~71:Abakus Holdings (Pty) Ltd, 44 Thrush Avenue, South Africa ~72: Obrey Khumalo~ 33:ZA ~31:2026/01704 ~32:23/12/2025

2026/02568 ~ Provisional ~54:A BLAST MITIGATION BARRIER AND METHOD OF ERECTING SAME ~71:BLACKLER, Rodney, 28 North Tugela Street, Carletonville, 2499, Gauteng, SOUTH AFRICA, South Africa ~72: BLACKLER, Rodney~

2026/02576 ~ Complete ~54:HAND WASHING DEVICE FOR NURSING IN INFECTIOUS DISEASE DEPARTMENTS ~71:Huizhou Sixth People's Hospital, No. 2 Aimin East Road, Danshui Street, Huiyang District, Huizhou, Guangdong, People's Republic of China ~72: Daixiong Lian;Shanshan Liu;Xiaorong Zeng~

2026/02593 ~ Complete ~54:STABILIZED CD3 ANTIGEN BINDING AGENTS AND METHODS OF USE THEREOF ~71:JANSSEN BIOTECH, INC., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: LUO, Jinquan;ZWOLAK, Adam~ 33:US ~31:63/518,049 ~32:07/08/2023

2026/02567 ~ Provisional ~54:A MODULAR POLYMER GREENHOUSE FRAMING SYSTEM WITH HORIZONTAL PIVOT-PIN ASSEMBLY ~71:ROBHAR Enterprises, 52 Willow Road, South Africa ~72: Robert Knuffel~

2026/02573 ~ Complete ~54:COATING FOR OPTIMIZING QUALITY OF FRIED FRENCH FRIES, PREPARATION METHOD AND APPLICATION THEREOF ~71:Anhui Science and Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233199, People's Republic of China ~72: JI Weifan;LI Peiyan;LIU Zhen;WANG Zihao;WU Xiaowei~

2026/02591 ~ Complete ~54:CRYSTALLINE FORM H1 OF 5-((3R,55)-3-AMINO-5- TRIFLUOROMETHYL-PIPERIDIN-1-YL)-QUINOLINE-8-CARBONITRILE HEMIHYDRATE ~71:Merck Patent GmbH, Frankfurter Straße 250, DARMSTADT 64293, GERMANY, Germany ~72: BOCK, Dominique Anna;CHAMORRO ORUE, Analia Ivanna;HAFERKAMP, Sven;MELLOR, Anna~ 33:EP ~31:23190665.2 ~32:09/08/2023

2026/02596 ~ Complete ~54:TRPM3 MODULATORS FOR TREATMENT OF PAIN ~71:BIOHAVEN THERAPEUTICS LTD., Ritter House, P.O. Box 173, ROAD TOWN VG1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British);KATHOLIEKE UNIVERSITEIT LEUVEN, KU Leuven R&D, Waaistraat 6 - Bus 51015, LEUVEN 3000, BELGIUM, Belgium ~72: CORIC, Vladimir;KUMAR, Rajesh;REKA, Ajaya Kumar~ 33:US ~31:63/518,020 ~32:07/08/2023

2026/02572 ~ Complete ~54:METHOD AND SYSTEM FOR FAULT DIAGNOSIS OF NEW ENERGY MICROGRID BASED ON DIGITAL TWIN ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: DONG Yanfei;GONG Jiayue;HE Guofeng;LIU Xuhang;PANG Kaige;SI Wenjie;WANG Yueya;YAO Jiachen~

2026/02581 ~ Complete ~54:METHOD FOR FORMING A METAL CONTAINER WITH A CARRIER RING AND RESULTING CONTAINER ~71:BELVAC PRODUCTION MACHINERY, INC., 237 Graves Mill Road, Lynchburg, Virginia, 24502, United States of America ~72: CARLOS ANDRES MEJIA-QUINCHIA;ERIKA SHEAFFER LOVE~ 33:US ~31:63/167,405 ~32:29/03/2021

2026/02630 ~ Complete ~54:A LOW-POWER NIGHTTIME PEDESTRIAN DETECTION AND INTENTION PREDICTION SYSTEM FOR AUTONOMOUS VEHICLES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PANDIT, Pranjal;PATEL, Akash;SABLE, Nilesh;SHEDGE, Prachi;SHINDE, Gitanjali;SOUNDARRAJAN, Srinidhi;YEMUL, Arya;YENKIKAR, Anuradha~

2026/02571 ~ Provisional ~54:A LIQUID COLLECTOR FOR USE IN A COMMODITY TRANSPORT CONTAINER ~71:VIVIERS, HENDRIK ADRIAAN, 44 WATTLE STREET, DIE HEUWEL X4,, South Africa;VIVIERS, JACQUES, 715 CHRISTIAAN STRAAT SIX FOUNTAINS RESIDENTIAL ESTATE, South Africa ~72: VIVIERS, HENDRIK ADRIAAN;VIVIERS, JAQUES~

2026/02578 ~ Complete ~54:METHOD FOR SIMULATION AND CONTROL OF URBAN TRAFFIC NETWORK BASED ON DIGITAL TWIN TECHNOLOGY ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: DING Jiaxiang;FAN Zhezhe;LI Rongrong;LIU Yanyan;WANG Ruijun;WANG Yao;WEI Yannan;YANG Chuande~

2026/02582 ~ Complete ~54:CITRULLINATED SETDB1 POLYPEPTIDE AND USE THEREOF IN DIAGNOSIS OF RHEUMATOID ARTHRITIS ~71:BEIJING WANTAI BIOLOGICAL PHARMACY ENTERPRISE CO., LTD., No. 31 Kexueyuan Road, People's Republic of China;XIAMEN INNODX BIOTECH CO., LTD, Floor 2, 124 Xinyuan Road, Xinyang Zone, People's Republic of China;XIAMEN UNIVERSITY, No. 422 Si Ming Nan Road, Siming District, People's Republic of China ~72: CHEN, Juan;DENG, Wen;GE, Shengxiang;HOU, Wangheng;LIU, Wei;QIAO, Shan;SONG, Liuwei;WENG, Lin;XIA, Ningshao;ZHANG, Jun~ 33:CN ~31:202310997528.X ~32:09/08/2023

. - APPLIED ON 2026/03/09 -

2026/02600 ~ Provisional ~54:INTELLIGENT HAIR UNBRAIDING SYSTEM WITH ADAPTIVE BRAID HANDLING AND TENSION CONTROL AND TENSION CONTROL ~71:Alo Adesoji Abayomi, Unit 1. Fairfield Village. 99 Bloulillie Crescent, South Africa;Innovatelid Pty Ltd, Unit 1. Fairfield Village. 99 Bloulillie Crescent. Sinoville., South Africa ~72: Alo Adesoji Abayomi;Innovatelid Pty Ltd~ 33:ZA ~31:none ~32:06/03/2026

2026/02616 ~ Provisional ~54:VOLKWYN EASYMIX SHOVEL ~71:Roy Volkwyn, 10 Albermarle Street, Hazendal, South Africa ~72: Roy Volkwyn~

2026/02636 ~ Complete ~54:NOVEL TANK ~71:Yang Liu, Yongsheng Community, Xihua Road, Xinji City, Hebei Province, People's Republic of China ~72: Yang Liu~

2026/02638 ~ Complete ~54:CONSTRUCTION OF CIRRHOSIS BLEEDING RISK PREDICTION MODEL BASED ON THE ROCKET ALGORITHM ~71:The First Affiliated Hospital of Wenzhou Medical University, Nanbaixiang Street, Ouhai Dist., Wenzhou City, Zhejiang Province, People's Republic of China ~72: Xuezi Han~

2026/02657 ~ Complete ~54:A NOISE-TOLERANT MULTI-DATASET EEG BASED SYSTEM FOR EPILEPTIC SEIZURE PREDICTION AND MULTI-TYPE CLASSIFICATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHOUDHARY, Nimita Sanjeev Kumar;KUNEKAR, Pankaj;NARLAWAR, Vedika Pravin;PADATE, Gargi Sitaram;PAGARIYA, Arham Paresh;SHARMA, Nidhi~

2026/02663 ~ Complete ~54:AN INTELLIGENT ACOUSTIC SURVEILLANCE SYSTEM FOR UNAUTHORIZED HONKING WITH AUTO-FINE MECHANISM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BOTHARA, Harsh Sagar;JAISINGPURE, Harsh Ganesh;MAHALLE, Parikshit;PANDIT, Pranjal;SABLE, Nilesh;TALIKOTI, Mrunal Ajay;VAIDYA, Varad Digambar;YENKIKAR, Anuradha~

2026/02675 ~ Complete ~54:DISC TUMBLER CYLINDER LOCK AND KEY COMBINATION ~71:ABLOY OY, Wahlforssinkatu 20, Finland ~72: AITTOKOSKI, Pyry;MALINEN, Perttu~ 33:FI ~31:20236012 ~32:08/09/2023

2026/02679 ~ Complete ~54:MULTISPECIFIC ANTIBODIES AND USES THEREOF ~71:EXCALIPOINT BIOTECHNOLOGY (SHANGHAI) CO., LIMITED, Room 701A, 7th Floor, Building 912, Gonghe Xin Road, Jing'an District, People's Republic of China ~72: CAI, ZHIJIAN;CUI, FEIFEI;FANG, LEI;GAO, SHAN;JIANG, WENQING;YANG, LIU;ZHANG, XIAOLI~ 33:CN ~31:PCT/CN2023/120496 ~32:21/09/2023;33:CN ~31:PCT/CN2023/139629 ~32:18/12/2023;33:CN ~31:PCT/CN2024/115542 ~32:29/08/2024

2026/02818 ~ Provisional ~54:SCHOLARRIDE: AN AI-ENHANCED STUDENT MOBILITY AND SAFETY MANAGEMENT PLATFORM ~71:Ziphozihle Moyeni, 13 La Provence, Sikerboisse Street, South Africa ~72: Ziphozihle Moyeni~

2026/02624 ~ Provisional ~54:SYSTEM AND METHOD FOR SCHEMA-AGNOSTIC PRIVACY-PRESERVING PREDICATE CREDENTIAL INFRASTRUCTURE WITH BLIND ISSUANCE, MODE-SWITCHABLE PROOF GENERATION, PLATFORM SUBSTRATE INTEGRATION, BROWSER-NATIVE CREDENTIAL PRESENTATION, AND JURISDICTION-AWARE POLICY SELECTION ~71:Venture-Labs (Pty) (Ltd), 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/02642 ~ Complete ~54:METHOD AND SYSTEM FOR PAVEMENT DISEASE DETECTION BASED ON UAV REMOTE SENSING IMAGING RECOGNITION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China;Henan Weiye Construction Engineering Co., Ltd., North of 300 meters west of Sanlihe turntable, Qintai Street, Lushan County, Pingdingshan City, Henan Province, 467346, People's Republic of China;Henan Zhongping JiaoKe Research and Design Institute Co., Ltd., 22/F, Building 6, Shengrun Plaza, Intersection of Xiangyun Road and Xiayun Road, Urban-Rural Integration Demonstration Zone, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: BU Chunfeng;CHANG Xiaoli;FAN Zhezhe;LI Hui;LI Zhuohang;LIU Yanyan;MENG Liujie;WANG Cheng;WANG Liubing;ZHANG Hanbo~

2026/02662 ~ Complete ~54:AN NLP BASED REAL-TIME MULTI-DOMAIN COMPARATIVE DATA AGGREGATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AGRAWAL, Krish

Anurag;BHANOSE, Rujuta Rahul;BODKE, Partha Ashish;JOGLEKAR, Niranjan Manish;PANDIT, Pranjal;SABLE, Nilesh;SURYAWANSHI, Amol;YENKIKAR, Anuradha~

2026/02683 ~ Complete ~54:SIDEWALL LEAK CONTAINMENT AND DETECTION SYSTEM FOR A FURNACE ~71:SYSTEMS SPRAY COOLED LLC, 885 Seven Oaks Blvd., Suite 910, SMYRNA 37167, TN, USA, United States of America ~72: CHODL, Eric;FERGUSON, Scott A.~ 33:US ~31:18/504,036 ~32:07/11/2023

2026/02696 ~ Provisional ~54:AI-ADAPTIVE HYBRID ELECTRIC-ASSISTED TURBOFAN–RAMJET PROPULSION SYSTEM WITH MULTI-MODE OPERATION AND INTELLIGENT ENERGY MANAGEMENT ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02605 ~ Provisional ~54:AUTONOMOUS INVESTIGATIVE REPORT GENERATION ENGINE WITH MULTI-SOURCE INTELLIGENCE SYNTHESIS AND CONTEXTUAL NARRATIVE GENERATION ~71:Dennis Mark Germishuys, Oxford Office Park, South Africa ~72: Dennis Mark Germishuys~

2026/02603 ~ Provisional ~54:AUTONOMOUS FALSE POSITIVE RESOLUTION ENGINE WITH MULTI-FACTOR PROBABILISTIC SCORING AND ADAPTIVE ANALYST DECISION MODELING ~71:Dennis Mark Germishuys, Oxford Office Park, South Africa ~72: Dennis Mark Germishuys~

2026/02607 ~ Provisional ~54:AUTOMATED HYDRAULIC PHYSIOLOGICAL POSITIONING SYSTEM WITH VELOCITY-SENSITIVE SAFETY LOCKING AND KINETIC ENERGY FLUID RECOVERY ~71:Andre Christiaan Cloete, 33 Eland Str, South Africa ~72: andre christiaan cloete~

2026/02639 ~ Complete ~54:FINANCIAL AND ECONOMIC MATERIAL ORGANIZING APPARATUS ~71:Shandong University of Finance and Economics, Shandong University of Finance and Economics, No. 7366 Erhuan East Road, Yaojia Subdistrict, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: Hui WU;Kai PEI~

2026/02687 ~ Complete ~54:VERSATILE IMMUNOGENIC MODULES AND NANOPARTICLES FOR TICK VACCINES ~71:INSTITUT PASTEUR DE MONTEVIDEO, Mataojo 2020, Montevideo, 11400, Uruguay;UNIVERSIDAD DE LA REPÚBLICA, Av. 18 de Julio 1968, Montevideo, 11200, Uruguay ~72: AGUSTIN CORREA;ALEJANDRA NAVRATIL;JANAINA JOSELIN LASALVIA;LAURA DECIA;MARIA SOLEDAD VALLEDOR;MATIAS MACHADO;NAHUEL SANTANA;OSCAR CORREA;URUGUAYSITO BENAVIDES~ 33:US ~31:63/537,861 ~32:12/09/2023

2026/02690 ~ Complete ~54:DRUG DELIVERY DEVICE SAFETY SYSTEM ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: ALEXANDER ROUMANIDAKIS;BRYAN C GRYGUS;DANIELLE LAIACONA;JESSICA MIKLINSKI;MAYA VANDERHORST;NOAH BENNETT;PARKER VALDEZ;TREVOR LANGLEY~ 33:US ~31:63/587,413 ~32:02/10/2023

2026/02645 ~ Complete ~54:POLYPEPTIDES BINDING ADAMTS5, MMP13 AND AGGRECAN ~71:Ablynx N.V., Technologiepark 21, ZWIJNAARDE 9052, BELGIUM, Belgium;Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: BESTE, Gerald;GUEHRING, Hans;GUENTHER, Ralf;KELLNER, Roland;LADEL, Christoph;LINDEMANN, Sven;STEFFENSEN, Soren;TOLEIKIS, Lars~ 33:EP ~31:17174404.8 ~32:02/06/2017

2026/02654 ~ Complete ~54:A DEEP LEARNING–BASED DIRECTION FINDER SYSTEM FOR CLASSIFICATION OF LPI SIGNALS INTO BURST AND FREQUENCY HOPPING WITH HOP RATE ESTIMATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAVIT, Pavan Babulal;PANDIT,

Pranjal;RAUT, Ketan;REWADE, Divya Subhash;SABLE, Nilesh;SHINDE, Ashutosh Shantaram;WARME, Kaustubh Ravindra;YENKIKAR, Anuradha~

2026/02665 ~ Complete ~54:A METHOD TO DETECT AND PRIORITIZE CLOSED ACCESS GROUP MOBILE IAB CELLS ~71:NOKIA TECHNOLOGIES OY, Karakaari 7, Finland ~72: KESKITALO, Ilkka Antero;LAPPALAINEN, Andrew~ 33:US ~31:63/539,840 ~32:22/09/2023

2026/02673 ~ Complete ~54:HAIR TREATMENT COMPOSITION WITH CATIONIC SURFACTANT, FATTY ALCOHOLS, AND LOW POLAR OIL ~71:L'OREAL, 14 Rue Royale, France ~72: LIANG, Jun;SHAH, Vibha~ 33:US ~31:18/490,618 ~32:19/10/2023;33:FR ~31:FR2400601 ~32:22/01/2024

2026/02676 ~ Complete ~54:SYSTEM AND METHODS FOR IDENTIFYING AN ORIENTATION REFERENCE ON A CORE SAMPLE ~71:IMDEX TECHNOLOGIES PTY LTD, 216 Balcatta Road Balcatta, Australia ~72: BLAINE, Fredrick Allan;COPLIN, Nicholas;GABBITUS, Mark;MCSHERRY, Brendan Charles;MORRISH, Neil Anthony;SULWAY, Sara Jane~ 33:AU ~31:2023903262 ~32:11/10/2023

2026/02682 ~ Complete ~54:ANTI-CD30L ANTIBODIES AND USES THEREOF ~71:AMGEN INC., ONE AMGEN CENTER DRIVE, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: ESTES, Bram;HASEGAWA, Haruki;SORIANO, Brian D.;THOMSON, Christy Ann;VANDER LUGT, Bryan~ 33:US ~31:63/537,933 ~32:12/09/2023

2026/02764 ~ Provisional ~54:DIGITAL GRAVES AND MEMORIAL MAPPING ~71:Nchohli Cornelius Makofane, 1371 Block PP, South Africa ~72: Nchohli Cornelius Makofane~

2026/02610 ~ Provisional ~54:AGRI-RESILIENCE SENTINEL — MULTI-SIGNAL AGRICULTURAL INTELLIGENCE INFRASTRUCTURE FOR EARLY DETECTION, CLASSIFICATION, AND COORDINATED RESPONSE TO AGRICULTURAL, ENVIRONMENTAL, AND BIOSECURITY RISKS. ~71:Thendelo Davhana, 247 Vuwani PR Mphephu Airport, South Africa ~72: Thendelo Davhana~

2026/02649 ~ Complete ~54:AN AI-POWERED SHOPPING CART WITH TWO CAMERAS AND DYNAMIC QR FOR RETAIL CHECKOUT AND FRAUD PREVENTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVAN, Umesh;GANDHI, Akshat Prashant;KALE, Shashwati Pritam;MOHAGAONKAR, Anvay Hrushikesh;PANDIT, PranjaL;SABLE, Nilesh;YENKIKAR, Anuradha~

2026/02652 ~ Complete ~54:AN AI-DRIVEN ETL (EXTRACT-TRANSFORM-LOAD) AUTOMATION & REAL-TIME ANALYTICS SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GIRAME, Mrunmai;KUNEKAR, Pankaj;Kadam, Sai;Shaikh, Ifra~

2026/02655 ~ Complete ~54:AN AI POWERED PREDICTIVE AND REINFORCEMENT LEARNING SYSTEM FOR ENERGY OPTIMIZATION IN INDUSTRIAL AND COMMERCIAL BUILDINGS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KARHADKAR, Aditya;KHAIRNAR, Atharva;KUNEKAR, Pankaj;LANGHE, Swaraj Ashok;LANKE, Atharva Popat;LONKAR, Anuraj~

2026/02661 ~ Complete ~54:AN AI AND MULTI-SENSORY REGULATION BASED WEARABLE DEVICE FOR EARLY ANXIETY ANTICIPATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANGALE, Dev Dipak;MULE, Vivek Vinayak;PANDIT, Pranjal;PISE, Reshma;PRASAD, Prachee Sunil Kumar;SAYYAD, Aziz Abdulhamid;YENKIKAR. Anuradha~

2026/02669 ~ Complete ~54:INHIBITORS OF TRPC6 FOR TREATING FOCAL SEGMENTAL GLOMERULOSCLEROSIS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: NORDABY, Roberto Matias;SOLEYMANLOU, Nima~ 33:US ~31:63/533,364 ~32:18/08/2023

2026/02672 ~ Complete ~54:AN INSECTICIDAL COMPOSITION AND PROCESS THEREOF ~71:JHAVER, Madhu, 18/19, Bawa Road, Alwarpet, Chennai – 600018, India;JU Agri Sciences Private Limited, 2302, 3rd Floor, Express Trade Tower-2, B-36, Sector-132, Noida – 201301, Uttar Pradesh, India ~72: CHAUHAN, Dinesh Kumar;JHAVER, Madhu;REDDY, Srinivasa L.~ 33:IN ~31:202441062940 ~32:20/08/2024

2026/02678 ~ Complete ~54:TRACK SLAB WATER CURING SYSTEM WITH ACCESS TO POOL AND AUTOMATIC WATER SUPPLY AND DRAINAGE ~71:WUHAN SLEEPER TRACK EQUIPMENT CO., LTD., West of the Wuxian Intercity Railway, Group 17, Lingang Village, Zhifang Street, Jiangxia District, Wuhan, Hubei, 430000, People's Republic of China ~72: CHEN, Yonghai;CHENG, Ronghui;GAO, Meihua;SHEN, Shuhong;ZHAO, Xiaosheng~ 33:CN ~31:202510646858.3 ~32:20/05/2025

2026/02685 ~ Complete ~54:METHOD FOR CONTROLLING A SINTERING MACHINE, ASSOCIATED CONTROLLER AND SINTERING MACHINE ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Flavio Tulio BUSATTO;Gabriel Nazareth Guedes ALCOFORADO~

2026/02689 ~ Complete ~54:CHARACTERIZING MARKER-SPECIFIC IDENTIFIERS FROM HIGHLY MULTIPLEXED FLAP CLEAVAGE ASSAYS ~71:EXACT SCIENCES CORPORATION, 5505 Endeavor Lane, Madison, Wisconsin 53719, United States of America ~72: HATIM T ALLAWI;TYLER DUELLMAN;VLATCHESLAV E KATEROV~ 33:US ~31:63/581,624 ~32:08/09/2023;33:US ~31:63/593,807 ~32:27/10/2023

2026/02700 ~ Provisional ~54:HYBRID HIGH-EFFICIENCY ADAPTIVE SUPERSONIC TURBOFAN ENGINE WITH ELECTRIC-ASSISTED PROPULSION AND INTEGRATED DIGITAL HEALTH MONITORING ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02612 ~ Provisional ~54:LEYN – EIGENMODE-BASED SYSTEM DESIGN METHOD (EBSDM) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02651 ~ Complete ~54:AN AI BASED PERSONALIZED VEHICLE ACCESSORY CUSTOMIZATION & RECOMMENDATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BADGUJAR, Krish Govinda;GHADAGE, Samarth;MHASALKAR, Om Ajay;RAUT, Sahil Kisan;WAWAGE, Pawan~

2026/02653 ~ Complete ~54:A SYSTEM FOR AUTOMATED MULTIMODAL MEDIA GENERATION FROM A TEXTUAL DATA SOURCE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHILLALE, Krish;KHAN, Ayaan;KOLPAKWAR, Shrawan Sunil;KULKARNI, Samarth Prasheel;KUNEKAR, Pankaj;VERMA, Kshitij~

2026/02660 ~ Complete ~54:AN AI-POWERED REFEREE AND COACHING SYSTEM FOR KHO-KHO USING COMPUTER VISION AND WEARABLE MOTION SENSORS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHINCHOLE, Atharva Ajay;CHOUDHARI, Prasad;JAGTAP, Dhananjay Siddhanath;PANDIT, Pranjal;SABLE, Nilesh Popat;YENKIKAR, Anuradha Vishwajit~

2026/02677 ~ Complete ~54:MUON DECELERATION SYSTEM, NUCLEAR TRANSMUTATION SYSTEM, CONTAINER, AND DEVICE ~71:NISHIZAWA Katsuya, 515-2,Yoshida, Japan ~72: NISHIZAWA Katsuya~ 33:JP ~31:2023-150635 ~32:18/09/2023;33:JP ~31:2023-151787 ~32:19/09/2023;33:JP ~31:2023-174037

~32:06/10/2023;33:JP ~31:2023-174180 ~32:06/10/2023;33:JP ~31:2023-174791 ~32:06/10/2023;33:JP ~31:2023-196029 ~32:17/11/2023;33:JP ~31:2023-196327 ~32:19/11/2023;33:JP ~31:2024-011380 ~32:29/01/2024;33:JP ~31:2024-058388 ~32:31/03/2024;33:JP ~31:2024-065053 ~32:14/04/2024;33:JP ~31:2024-072096 ~32:26/04/2024;33:JP ~31:PCT/JP2024/016620 ~32:28/04/2024;33:JP ~31:2024-082974 ~32:22/05/2024;33:JP ~31:2024-122912 ~32:29/07/2024;33:JP ~31:2024-123704 ~32:30/07/2024;33:JP ~31:PCT/JP2024/031881 ~32:05/09/2024

2026/02692 ~ Provisional ~54:PROOF OF ADDRESS SERVICES AS JOB APPLICATION (Z83) ~71:ALLOYSIUS THABANG RABOTHATA, 1665 ALLEMANSDRIFT, South Africa;GEORGE MAKHAYA MASOMBUKA, 1707 ALLEMANSDRIFT, South Africa ~72: ALLOYSIUS THABANG RABOTHATA;GEORGE MAKHAYA MASOMBUKA~

2026/02604 ~ Provisional ~54:NETWORK RISK PROPAGATION ENGINE FOR MULTI-HOP ENTITY RELATIONSHIP ANALYSIS WITH CONFIGURABLE DECAY FUNCTIONS AND EXPLAINABLE RISK ATTRIBUTION ~71:Dennis Mark Germishuys, Oxford Office Park, South Africa ~72: Dennis Mark Germishuys~

2026/02613 ~ Provisional ~54:LEYN – MASTER RESONANCE INTEGRATION ARCHITECTURE (MRIA) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02619 ~ Provisional ~54:SYSTEM AND METHOD FOR PRIVACY-PRESERVING TEMPORAL MIXING OF CREDENTIAL VERIFICATION CHALLENGES WITH COVER TRAFFIC, VERIFIABLE SHUFFLE ATTESTATION, AND LOG COMPARTMENTALISATION ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/02621 ~ Provisional ~54:LEYN - TIME-DEPENDENT ENERGY COHERENCE GEOMETRY (TDECG) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02640 ~ Complete ~54:ORGANOSILICON SLURRY SEPARATION METHOD AND SYSTEM ~71:Ningxia Silane Chemical and Environmental Technology Co., Ltd, Hebin Industrial Park (North of Ningxia Sunshine Silicon Industry Co., Ltd.), Huinong District, Shizuishan City, Ningxia Hui Autonomous Region, 753202, People's Republic of China ~72: SHEN, Jun;ZHAO, Yan~ 33:CN ~31:202511003656.3 ~32:21/07/2025

2026/02609 ~ Provisional ~54:A SYSTEM FOR DIGITAL MEMORIALIZATION AND PREDICTIVE GENETIC LINEAGE TRACING ~71:Nchohli Cornelius Makofane, 1371 Block PP, South Africa ~72: Nchohli Cornelius Makofane~

2026/02614 ~ Provisional ~54:LIFE-PHASE ADAPTIVE PERSONAL MANAGEMENT SYSTEM WITH AI-POWERED MENTORSHIP, MULTI-MODAL CONTENT ANALYSIS, AND TEMPORAL SELF-MESSAGING ~71:Pragmatic Analytics Solutions (Pty)Ltd., 3 Wargrave rd, Henley on Klip, South Africa ~72: Sylvester Peter Swaine~

2026/02659 ~ Complete ~54:AN IOT INTEGRATED ARTIFICIAL INTELLIGENCE BASED AGRICULTURAL WASTE FORECASTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Vishal;AWASARMAL, Urmila Vikas;DONGARE, Prema Tukaram;GADGE, Mahendra;PANDIT, Pranjal;SABLE, Nilesh;YENKIKAR, Anuradha~

2026/02664 ~ Complete ~54:COMPOUND AND ANTIBODY-DRUG CONJUGATE COMPRISING SAME ~71:AKESO BIOPHARMA CO., LTD., 6 Shennong Road, Torch Development Zone, People's Republic of China ~72: LI, Baiyong;WANG, Zhongmin;XIA, Yu;ZHANG, Peng~ 33:CN ~31:202311037231.5 ~32:16/08/2023

2026/02667 ~ Complete ~54:SOLID AEROSOL-GENERATING SUBSTRATE AND AEROSOL-GENERATING ARTICLE COMPRISING A SOLID AEROSOL-GENERATING SUBSTRATE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: DAKAS, Pierre-Yves;FRAUENDORFER, Felix~ 33:EP ~31:23191400.3 ~32:14/08/2023

2026/02668 ~ Complete ~54:METHOD OF CONTINUOUS CASTING OF A COMPOSITE METALLIC PRODUCT ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Nicolas PIRLOT;Paul NAVEAU~

2026/02671 ~ Complete ~54:HYBRID ENERGY STORAGE SYSTEM AND CONTROL METHOD THEREFOR ~71:DYNESS DIGITAL ENERGY TECHNOLOGY CO., LTD., 7th and 8th Floors, Building 3, No. 58 Nanhu Road, Chengnan Street, Wuzhong District, Suzhou, Jiangsu, People's Republic of China ~72: HUANG, Wei;LI, Cheng;LIU, Yang~ 33:CN ~31:202311476281.3 ~32:08/11/2023

2026/02681 ~ Complete ~54:CONTROLLING SENSOR(S) OF A DRILL RIG ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HANSKI, Sami;PESOLA, Mikko;VIINIKAINEN, Mikko~ 33:EP ~31:23199732.1 ~32:26/09/2023

2026/02688 ~ Complete ~54:METHOD, CONTROL UNIT, AND A MINING MACHINE FOR MANAGING A ZONE IN MINING ENVIRONMENT ~71:EPIROC ROCK DRILLS AKTIEBOLAG, SE-701 91, Örebro, Sweden ~72: KRISTIN NIELSEN;RICHARD HENDEBERG~

2026/02817 ~ Provisional ~54:SCHOLARRIDE: AN AI-ENHANCED STUDENT MOBILITY AND SAFETY MANAGEMENT PLATFORM ~71:Ziphozihle Moyeni, 13 La Provence, Sikerboisse Street, South Africa ~72: Ziphozihle Moyeni~

2026/02697 ~ Provisional ~54:HYDROGEN-POWERED SUPERSONIC PRIVATE AIRCRAFT WITH VARIABLE-CYCLE TURBOFAN ENGINE, RAMJET BOOSTER PROPULSION, AND HYDROGEN THERMAL MANAGEMENT SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02699 ~ Provisional ~54:HYBRID-ELECTRIC INTELLIGENT TURBOFAN ENGINE WITH DYNAMIC AXIAL FLUX MOTOR CONTROL AND ADAPTIVE COMPRESSOR BLADES ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02686 ~ Complete ~54:OPERATION ANALYSIS DEVICE, OPERATION ANALYSIS SYSTEM, OPERATION ANALYSIS METHOD, AND PROGRAM ~71:YAZAKI CORPORATION, 8-15, Konan 1-Chome, Minato-ku, Tokyo, 1080075, Japan ~72: KOSUKE KOGO~ 33:JP ~31:2023-166160 ~32:27/09/2023

2026/02698 ~ Provisional ~54:HYBRID-ELECTRIC INTELLIGENT TURBOFAN ENGINE WITH DISTRIBUTED ELECTRIC ASSIST AND ADAPTIVE AERODYNAMIC CONTROL ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/02856 ~ Provisional ~54:SCHOLARRIDE: AN AI-ENHANCED STUDENT MOBILITY AND SAFETY MANAGEMENT PLATFORM ~71:Ziphozihle Moyeni, 13 La Provence, Sikerboisse Street, South Africa ~72: Ziphozihle Moyeni~

2026/02601 ~ Provisional ~54:PERPETUAL CREDENTIAL SYSTEM WITH CENTRALISED DIGITAL RENEWAL & ELECTRONIC VALIDATION ~71:Tiego Lucas Malahlela, 5 Mimosa Ave, South Africa ~72: Tiego Lucas Malahlela~

2026/02606 ~ Provisional ~54:AUTONOMOUS COMPLIANCE INVESTIGATION (ACI) SYSTEM AND METHOD FOR AUTOMATED RISK INVESTIGATION AND ANALYST DECISION SUPPORT ~71:Dennis Mark Germishuys, Oxford Office Park, South Africa ~72: Dennis Mark Germishuys~

2026/02615 ~ Provisional ~54:SYSTEM AND METHOD FOR COMPARTMENTALISED BLIND CREDENTIAL ISSUANCE WITH STRUCTURAL IDENTITY-CREDENTIAL DELINKING, EPHEMERAL SESSION BINDING, AND GOVERNED BREAK-GLASS CORRELATION ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/02620 ~ Provisional ~54:LEYN - DISTRIBUTED IMPEDANCE GRADIENT GEOMETRY (DIGG) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02623 ~ Provisional ~54:ADAPTIVE POST-INCIDENT MOBILITY ACCESS SYSTEM USING DYNAMIC MICRO-PAYMENTS AND GEO-CAPPED RIDE ALLOCATION ~71:Lihle Pretty Masikane, New Stand Lister Farm, Madadeni, South Africa;Siyethemba Lindokuhle Masikane, 129 Ntutyana Street, South Africa ~72: Lihle Pretty Masikane;Siyethemba Lindokuhle Masikane~

2026/02635 ~ Complete ~54:IN VITRO CONTROL SYSTEM FOR TARGETED DRUG DELIVERY MEDICAL DEVICE AND USE METHOD THEREOF ~71:Hangzhou Medical College, No. 8, Yikang Road, Jinnan Street, Linan Dist., Hangzhou City, Zhejiang Province, People's Republic of China ~72: Di Cui;Dongsheng Huang;Linglan Tu;Liyan Cheng;Qiuran Xu;Xiaoge Hu;Xiaoliang Zheng~

2026/02637 ~ Complete ~54:AN INTELLIGENT SUPERVISION METHOD AND SYSTEM FOR BIPV EQUIPMENT GROUPS ~71:Guangdong Zhongke Energy Storage Development Co., Ltd., Room 1810, Building 2, Xunmei Technology Plaza, No.8 Keyuan Road, Kejiyuan Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, People's Republic of China ~72: Guohui He~

2026/02643 ~ Complete ~54:ADAPTIVE FAST CHARGING PROTECTION METHOD AND SYSTEM FOR MOBILE DEVICE ~71:Shenzhen Dianlan New Energy Technology Co., Ltd., Room 611, Block 1, Huayilong Industry Zone, No.43 Cuijing Road, Zhukeng Community, Longtian Street, Pingshan District, Shenzhen, Guangdong, 518000, People's Republic of China ~72: HAN, Hui;LI, Ming;LUO, Hanhua;WEN, Ming;XIE, Guanghui;YANG, Yiquan~ 33:CN ~31:202510668393.1 ~32:23/05/2025

2026/02647 ~ Complete ~54:AN AGRICULTURAL SYSTEM FOR CROP DISEASES DETECTION, PESTICIDES RECOMMENDATION AND MARKET PRICE FORECASTING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JAGTAP, Sahil Sachin;MAHALLE, Parikshit;MARADE, Mayuresh Bhausaheb;PANDIT, Pranjal S.;SABLE, Nilesh;SAWANT, Rugved Tanaji;SHINDE, Omkar Dilip;YENKIKAR, Anuradha V.~

2026/02602 ~ Provisional ~54:MULTILINGUAL MOBILE COMMUNICATION SYSTEM WITH PREFERRED LANGUAGE TRANSLATION AND SIGN LANGUAGE RENDERING ~71:MATHOME SYDWELL PHALADI, DITHABANENG, GAMPHAHLELE, South Africa ~72: MATHOME SYDWELL PHALADI~

2026/02611 ~ Provisional ~54:LEYN – FUNCTIONAL RESONANCE STABILIZATION SYSTEM (FRSS) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02617 ~ Provisional ~54:THERMALLY INSULATED DISPOSABLE HEATING POD WITH NESTED POUCH SYSTEM AND ACTIVATOR/VENT PORT. ~71:Georgios Christodouloy Hajipetrou, 327 Johann Rissik drive, South Africa ~72: Georgios Christodouloy Hajipetrou~

2026/02622 ~ Provisional ~54:LEYN - HARMONIC REDISTRIBUTION AND SPECTRAL ENERGY FRAMEWORK GEOMETRY (HRFG) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02625 ~ Provisional ~54:SCHEMA-AGNOSTIC STRUCTURAL VALIDATION OF DIGITAL CREDENTIALS USING CORRELATION-AWARE ENTROPY BOUNDING, CANONICAL ENCODING ENFORCEMENT, AND CONSTANT-TIME WALLET REJECTION ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/02644 ~ Complete ~54:INTELLIGENT MANAGEMENT METHOD AND SYSTEM FOR OPTIMIZING CYCLE LIFE OF ENERGY STORAGE AND CHARGING EQUIPMENT ~71:Shenzhen Dianlan New Energy Technology Co., Ltd., Room 611, Block 1, Huayilong Industry Zone, No.43 Cuijing Road, Zhukeng Community, Longtian Street, Pingshan District, Shenzhen, Guangdong, 518000, People's Republic of China ~72: CHEN, Jing;HAN, Hui;WEN, Ming;XIE, Guanghui;YANG, Yiquan;YING, Shaodong~ 33:CN ~31:202511152159.X ~32:18/08/2025

2026/02648 ~ Complete ~54:A SWARM-BASED EDGE COMPUTING SYSTEM FOR EFFECTIVE TASK MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GOYANKA, Ansh;KAIRAMKONDA, Parth;PANDIT, Pranjal;RAUT, Ketan;SABLE, Nilesh;SHAH, Neel;YENKIKAR, Anuradha~

2026/02656 ~ Complete ~54:AN AI-POWERED AUGMENTED REALITY SYSTEM FOR RETAIL NAVIGATION AND PRODUCT INFORMATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GADGE, Mahendra;KALE, Aditya Prashant;PANDIT, Pranjal;PAWAR, Swaraj Rajendra;SABLE, Nilesh;SATALKAR, Tanmay Bharat;YENKIKAR, Anuradha~

2026/02666 ~ Complete ~54:A METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR VIDEO ENCODING AND DECODING ~71:NOKIA TECHNOLOGIES OY, Karakaari 7, Finland ~72: ASTOLA, Pekka;LAINEMA, Jani~ 33:US ~31:63/589,483 ~32:11/10/2023

2026/02670 ~ Complete ~54:FUNGICIDAL COMPOSITION AND PROCESS OF PREPARATION THEREOF ~71:JHAVER, Madhu, 18/19, Bawa Road, Alwarpet, Chennai - 600018, India;JU Agri Sciences Private Limited, 2302, 3rd Floor, Express Trade Tower-2, B-36, Sector-132, Noida – 201301, Uttar Pradesh, India ~72: CHAUHAN, Dinesh Kumar;JHAVER, Madhu;REDDY, Srinivasa L.~ 33:IN ~31:202441076523 ~32:09/10/2024

2026/02684 ~ Complete ~54:CRYSTALLINE IRAK4 INHIBITORS ~71:ASTRAZENECA AB, SÖDERTÄLJE 151 85, SWEDEN, Sweden ~72: KNEE, Christopher Sebastian Gerald;PUTRA, Okky Dwichandra~ 33:EP ~31:23191039.9 ~32:11/08/2023

2026/02695 ~ Provisional ~54:MASS BALANCE AUTO-COOKER ~71:Lizwi Chonco, CPUT,bellville South, South Africa;Zikisa Sohuma, 216 Joe Slovo, South Africa ~72: Lizwi Chonco;Zikisa Sohuma~

2026/02599 ~ Provisional ~54:COPA FRAMEWORK ~71:Tyler Bradford, 6 Asum Street, South Africa ~72: Tyler Bradford~

2026/02608 ~ Provisional ~54:BONNET WIG ABBREVIATED AS “BONWIG” ~71:Bonita Muthien, 28 Lancaster Roard, South Africa ~72: Bonita Muthien~

2026/02618 ~ Provisional ~54:HEAT-ACTIVATED EXPANDABLE BELLOWS CUP WITH COMPACT RETENTION PACKAGING ~71:Georgios Christodouloy Hajipetrou, 327 Johann Rissik drive, South Africa ~72: Georgios Christodouloy Hajipetrou~

2026/02641 ~ Complete ~54:A TRANSPORTATION MANAGEMENT SYSTEM BASED ON MULTI-SOURCE HAZARD VALUE SCREENING MECHANISM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: LI, Rongrong;LIU, Lihua;LIU, Yanyan;LU, Dan;WANG, Chunli~

2026/02646 ~ Complete ~54:ADENO-ASSOCIATED VIRUS VARIANT CAPSIDS WITH IMPROVED LUNG TROPISM AND USES THEREOF ~71:4D MOLECULAR THERAPEUTICS INC., 5858 Horton Street, Suite 455, Emeryville, California, 94608, United States of America ~72: JULIE NYE;MELISSA A KOTTERMAN;PETER FRANCIS;ROXANNE CROZE~ 33:US ~31:63/317,450 ~32:07/03/2022

2026/02650 ~ Complete ~54:A DECENTRALIZED WEB3-BASED CAPTIVE PORTAL SYSTEM FOR TOKEN-GATED NETWORK ACCESS CONTROL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GORE, Shirdhar Ganesh;KHAIRNAR, Shlok Pankaj;PANDIT, Pranjal S;SABLE, Nilesh P;SHINDE, Aditya;YENKIKAR, Anuradha~

2026/02658 ~ Complete ~54:A HYBRID SWIN TRANSFORMER-EFFICIENTNET-U-NET SYSTEM FOR ENHANCED BRAIN TUMOR SEGMENTATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DUSANKAR, Yash Ajit;KUNEKAR, Pankaj;NALAWADE, Yashraj Sopan;YADAV, Abhishek Avadesh;YADAV, Aditya Rahul;YAWALE, Swarnim Prafull~

2026/02674 ~ Complete ~54:MODIFIED SEQUENCE OF ADENOVIRUS E2A GENE FOR PRODUCING VECTORS BASED ON ADENO-ASSOCIATED VIRUSES (AAV) (VARIANTS) ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: FOMINA, Anastasiia Vladimirovna;GERSHOVICH, Pavel Mikhailovich;MOROZOV, Dmitry Valentinovich;PEREPELKINA, Mariya Pavlovna;STRELKOVA, Anna Nikolaevna;VLASOVA, Elena Veniaminovna~ 33:RU ~31:2023121136 ~32:11/08/2023

2026/02680 ~ Complete ~54:METHOD FOR TRANSITIONING LOAD IN AN ELECTROLYSER ~71:CERES INTELLECTUAL PROPERTY COMPANY LIMITED, Viking House, Foundry Lane, United Kingdom ~72: HJALMARSSON, Per;METHLEY, Ian;RYLEY, Joshua~ 33:GB ~31:2313897.7 ~32:12/09/2023

. - APPLIED ON 2026/03/10 -

2026/02701 ~ Provisional ~54:ENERGY NODE TOPOLOGY AND CONNECTIVITY GEOMETRY (ENTCG) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02708 ~ Provisional ~54:SYSTEMS AND METHODS FOR TIME-INDEXED DETERMINISTIC REPLAY OF WAGE MEANING USING POLICY-VERSION BINDING, EVIDENCE-CLASS GOVERNANCE, AND NORMATIVE PROOF BUNDLES FOR DISPUTE-GRADE VERIFICATION AND RISK QUANTIFICATION ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/02715 ~ Provisional ~54:SAFEROUTE APPLICATION ~71:Khanya Kweyama, 6 Finchley Avenue, South Africa ~72: Khanya Kweyama~

2026/02720 ~ Complete ~54:HEPATIC VESSEL THREE-DIMENSIONAL RECONSTRUCTION SYSTEM BASED ON IMAGE SEGMENTATION ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No. 149, Dalian Road, Huichuan District, Zunyi City, Guizhou Province, People's Republic of China ~72: Dianbei Wang;Kui Tu;Zhengjun Zhou~

2026/02723 ~ Complete ~54:STREET LIGHT CONTROL SYSTEM BASED ON IMAGE RECOGNITION AND MULTI-SOURCE DATA ANALYSIS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN, Shu;QIN, Renjie;WEI, Yannan;YU, Yutong~

2026/02728 ~ Complete ~54:METHOD AND SYSTEM FOR DYNAMIC PRESENTATION OF LANDSCAPE DESIGN BASED ON VIRTUAL REALITY ~71:Shandong Jianzhu University, Fengming Road, Lingang Development Zone, Jinan City, Shandong Province, People's Republic of China ~72: HAN Xinyu;LV Xiaoyuan;QIU Ning;SU Beile;ZHANG Lili;ZHANG Zhiwei~ 33:CN ~31:2026101286812 ~32:27/01/2026

2026/02742 ~ Complete ~54:A CLOUD-BASED INTEGRATED ENVIRONMENTAL MONITORING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad;CHAVHAN, Pranali;JAGTAP, Gaurav Yuvraj;KAVHAT, Narendra Rajendra;KHANDARE, Harshdeep Baburao;KONDHAWALE, Aditya Eknath~

2026/02751 ~ Complete ~54:AN IOT-BASED PARKING SYSTEM WITH REAL-TIME SLOT DETECTION AND INTELLIGENT RESERVATION MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad;GOJE, Nayan Balaji;KODE, Pratham Parag;PATHAN, Saad Ansar;SONAWANE, Swayam Sandeep;SURYAWANSHI, Amol~

2026/02752 ~ Complete ~54:VERSATILE HSV-1 PRE-VECTOR ~71:EG 427, 13 rue Watt, France ~72: BASSET, Justine;BENEDYK, Tomasz;EPSTEIN, Alberto L.;JÉGU, Teddy;SAREK, Grzegorz F.~ 33:FR ~31:FR2309853 ~32:18/09/2023

2026/02761 ~ Complete ~54:CLEANSING LAMELLAR COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DANIEL FILIPE PEREIRA;DOUGLAS JOHN HIBAN;DUYGU CELEBI;NARESH DHIRAJLAL GHATLIA~ 33:US ~31:63/543,976 ~32:13/10/2023;33:EP ~31:24167526.3 ~32:28/03/2024

2026/02773 ~ Complete ~54:RANDOM DATA GENERATION METHOD AND SYSTEM FOR MATHEMATICAL STATISTICS ~71:Zhengzhou University of Aeronautics, No. 2, Daxue Middle Road, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Yang Xiping~

2026/02772 ~ Complete ~54:A GESTURE BASED LOCKING SYSTEM FOR AUTHENTICATION OF ELECTRONIC DEVICES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BALSARAF, Soham;BAWANKAR, Shardul;BHATE, Om;BUVA, Utkarsh;CHAUDHARI, Prasad Bhata;CHAVHAN, Pranali G;SURYAWANSHI, Amol~

2026/02705 ~ Provisional ~54:BIFABOOST ~71:Roy Schoeman, 8 Palm Crescent, South Africa ~72: Roy Schoeman~

2026/02711 ~ Provisional ~54:INDIVIDUAL PSYCHOMOTOR ENHANCEMENT SYSTEM ~71:REHLEE INDUSTRIES CC, 38 Armadale Road, South Africa ~72: Peter Slabbert;Roslyn Slabbert~

2026/02755 ~ Complete ~54:DENTAL CARE PRODUCTS COMPRISING STANNOUS FLUORIDE ~71:CREDENTIS AG, Gubelstrasse 24, ZUG 6300, SWITZERLAND, Switzerland ~72: ABIVARDI BRÖNNER, Haleh;ABIVARDI SIGNER, Golnar;HUG, Michael;LYSEK, Dominikus Amadeus;MASSIGNANI, Marzia;NAIK, Divya Devidas~ 33:US ~31:18/464,817 ~32:11/09/2023

2026/02771 ~ Complete ~54:AN IOT-ENABLED GEOPHONE-BASED SEISMIC DETECTION AND ALERT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad Bhata;CHAVHAN, Pranali Gajanan;NALEGAONKAR, Prathmesh Gajanan;PANDARKAR, Shivprasad Bhaskar;PATIL, Kundan Sachin;SURVE, Omkar Baliram~

2026/02702 ~ Provisional ~54:LEYN - FIELD CONTAINMENT AND BOUNDARY CONTROL GEOMETRY (FCBCG) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02714 ~ Provisional ~54:BRAKING SYSTEM ~71:HYDSTAR ENGINEERING (PTY) LTD, 55 Detroit Street, Apex, South Africa ~72: DU PLESSIS, Hermanus;GIL, José Carlos~

2026/02738 ~ Complete ~54:ADAPTER OF A TOWER OF A WIND TURBINE TOWER AND METHOD OF ERECTING THE TOWER ~71:NORDEX ENERGY SE & CO. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;NORDEX ENERGY SPAIN S.A.U., Polígono Industrial Barasoain, Parcela 2, BARASOAIN 31395, SPAIN, Spain ~72: FRANKE, Michael;PUTTKAMMER, Morten;ROLDAN, Iñigo;RUIZ, Javier;VARELA, Fernando~ 33:EP ~31:25382225.8 ~32:11/03/2025

2026/02748 ~ Complete ~54:AN IOT-ENABLED VIEWER PROXIMITY DETECTION AND AUTOMATIC DISPLAY CONTROL SYSTEM FOR EYE STRAIN PREVENTION IN CHILDREN ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad;CHAVHAN, Pranali;DHAGE, Mayank Prashant;MAHAJAN, Arnav Kishor;MAHALAXME, Anish Mangesh;MORE, Pranav Sahebrao;SURYAWANSHI, Amol~

2026/02757 ~ Complete ~54:ANTI-IL-5 ANTIBODIES AND USES THEREOF ~71:INVETX, INC., One Boston Place, 201 Washington Street, Suite 3930, Boston, Massachusetts, 02108, United States of America ~72: LEILA SEVIGNY;WILLIAM BRONDYK~ 33:US ~31:63/532,157 ~32:11/08/2023

2026/02759 ~ Complete ~54:CLEANSING LAMELLAR COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: BIVASH, RANJAN DASGUPTA;DANIEL FILIPE PEREIRA;DOUGLAS JOHN HIBAN;DUYGU CELEBI;NARESH DHIRAJLAL GHATLIA~ 33:US ~31:63/543,972 ~32:13/10/2023;33:EP ~31:24167518.0 ~32:28/03/2024

2026/02762 ~ Complete ~54:INDICATION INFORMATION PROCESSING METHOD AND APPARATUS ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: JIAN ZHANG~ 33:CN ~31:202311010513.6 ~32:10/08/2023

2026/02704 ~ Provisional ~54:LEYN - RESONANCE STABILIZED POWER ELECTRONICS ARCHITECTURE (RSPEA) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02713 ~ Provisional ~54:APPARATUS AND METHOD FOR DETERMINISTIC STATE TRANSFER VIA COUPLED FERMION PHASE TRANSITIONS FOR USE IN LONG DISTANCE COMMUNICATION ~71:STEYNBERG, Andre Peter, 6 Groenkloof Gardens, 61 Totius Street, Groenkloof X1, PRETORIA 0181, Gauteng Province, SOUTH AFRICA, South Africa ~72: STEYNBERG, Andre Peter~

2026/02716 ~ Provisional ~54:RESONATING COMMON MODE CHOKE ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2026/02719 ~ Complete ~54:A USER COURSE LEARNING PROGRESS MONITORING SYSTEM FOR ONLINE LEARNING PLATFORM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: GUO, Lizheng;LIU, Yanyan;LU, Dan;WANG, Chunli;ZHANG, Jingpu~

2026/02724 ~ Complete ~54:SEISMIC RUPTURE DISTRIBUTION INVERSION METHOD WITH INSAR RELATIVE PHASE OBSERVATIONS ~71:WEST YUNNAN UNIVERSITY OF APPLIED SCIENCES, No. 1, Haiyue Street, Haidong Mountain New City, Dali City, Yunnan Province, 671003, People's Republic of China ~72: CHEN Yuhan;DENG Yongxin;XIAO Zhuohui~

2026/02729 ~ Complete ~54:WATERPROOF AND EFFICIENT DUST FALL CLEANING AND CYCLING COMBINED DEVICE FOR POTASH MINE BELT CONVEYOR ~71:CHINA COAL MINE CONSTRUCTION (ANHUI) TECHNOLOGY CO., LTD., No. 355, Fuyang North Road, Hefei City, People's Republic of China;CHINA COAL NO.3 CONSTRUCTION GROUP COMPANY LIMITED, No. 355, Fuyang North Road, Hefei City, People's Republic of China;HEIFEI DESIGN AND RESEARCH INSTITUTE OF COAL INDUSTRY CO. , LTD., No. 355, Fuyang North Road, Hefei City, People's Republic of China ~72: WANG, Dayu;ZHANG, Aiyong~

2026/02734 ~ Complete ~54:PASSIVE DETECTION CONTROL SYSTEM FOR FUEL ROD ENRICHMENT BASED ON INTELLIGENT OPTIMIZATION ~71:ZHENGZHOUUNIVERSITY, No. 100 Kexue Avenue, High-Tech Development Zone, Zhengzhou City, People's Republic of China ~72: GU, Xiaofei;LU, Shuxiang;YANG, Jie~

2026/02737 ~ Complete ~54:ADAPTER OF A TOWER OF A WIND TURBINE TOWER AND METHOD OF ERECTING THE TOWER COMPRISING THE ADAPTER ~71:NORDEX ENERGY SE & CO. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany ~72: FRANKE, Michael;PUTTKAMMER, Morten~ 33:EP ~31:25382222.5 ~32:11/03/2025

2026/02739 ~ Complete ~54:ADAPTER OF A TOWER OF A WIND TURBINE TOWER AND METHOD OF ERECTING THE TOWER ~71:NORDEX ENERGY SPAIN, S.A.U., Polígono Industrial Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ROLDAN, Iñigo;RUIZ, Javier;VARELA, Fernando~ 33:EP ~31:25382223.3 ~32:11/03/2025

2026/02747 ~ Complete ~54:AN IOT-BASED REAL-TIME WATER QUALITY MONITORING AND ALERT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHALERAO. Ayush Mangesh;BHOYAR, Hemant Chandu;CHAUDHARI, Prasad Bhata;CHAVADE, Aditya Balasaheb;CHAVAN, Rahul Dhanaji;SURYAWANSHI, Amol Shivajirao~

2026/02763 ~ Complete ~54:A SYSTEM FOR AUTOMATED LAYERING AND FILLING OF MULTIPLE GRAINS AND ASSEMBLY IN A CONFINED REGION AND A METHOD THEREOF ~71:CHAIRMAN, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION (DRDO), Ministry of Defence, Govt. of India, DRDO Bhawan, Rajaji Marg, Delhi, India ~72: ANSARI, Mohammed Siddique;GHOSE, Bikash;KANKANE, Devendra Kumar;KROTHAPALLI, Prabhakara Subrahmanya Murthy;KUMAR, Ajeet;PUNDALE, Sriniwas Shankar;SANE, Anirudha~ 33:IN ~31:202311054550 ~32:14/08/2023

2026/02703 ~ Provisional ~54:LOOP AREA SUPPRESSION AND CURVATURE GEOMETRY (LASCG) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: JoQuin Leyn Pillay~

2026/02706 ~ Provisional ~54:BOVRES-1 BOVINE FMD EARLY DETECTION & TREATMENT WEARABLE TECHNOLOGY ~71:Baden Patrick Dennis, 7 Glenvista Avenue, Greenway Rise, Cape Town, Western Cape, 7130, South Africa;Burmain Holdings (Pty) Ltd, 34 Cylnor Street, Briza, Cape Town, Western Cape, 7130, South Africa ~72: Baden Patrick Dennis~

2026/02717 ~ Provisional ~54:THROUGH-WALL HUMAN MOTION DETECTION SYSTEM ~71:Jesse Davids, 81 Cradock Street, South Africa ~72: Jesse Davids~

2026/02727 ~ Complete ~54:WATER LEVEL MONITORING APPARATUS FOR UNDERGROUND PUMP ROOM ~71:CHINA COAL MINE CONSTRUCTION (ANHUI) TECHNOLOGY CO., LTD., No. 355, Fuyang North Road, Hefei City, People's Republic of China;CHINA COAL NO.3 CONSTRUCTION GROUP COMPANY, No. 355, Fuyang North Road, Hefei City, People's Republic of China;HEIFEI DESIGN AND RESEARCH INSTITUTE OF COAL INDUSTRY CO. , LTD., No. 355, Fuyang North Road, Hefei City, People's Republic of China ~72: GAO, Mingsong;LI, Weili;LIU, Zhengchun~

2026/02732 ~ Complete ~54:INTELLIGENT ENERGY LOSS CALCULATION METHOD AND COMPENSATION APPARATUS THEREOF ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD., 4th Floor, No. 17, Smart Industry Park, Development Zone, Bijiang District, Tongren City, People's Republic of China ~72: LIU, Enping;LIU, Sujun;TANG, Fei;WANG, Shengxiang~

2026/02736 ~ Complete ~54:SKIN ANTI-AGEING TREATMENT METHOD USING HYDRODISSECTION AND DETECTION SYSTEM ~71:SHANGHAI HUAXIU INDUSTRIAL GROUP CO., LTD., Huaxiu Group China Headquarters, No. 88 Huaihong Road, People's Republic of China ~72: CUI, Hairu~

2026/02740 ~ Complete ~54:HYDRAULIC RECOIL BRAKE FOR A GUN WITH RECOIL, AND GUN WITH RECOIL COMPRISING AT LEAST ONE SUCH BRAKE ~71:KNDS FRANCE, 13 Route de la Minière, France ~72: Baptiste BABONNAUD~ 33:FR ~31:FR2502568 ~32:18/03/2025

2026/02745 ~ Complete ~54:A DOOR LOCK SYSTEM USING ESP32 WITH OFFLINE TIME-BASED OTP VERIFICATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad;CHAVHAN, Pranali;KALE, Atharva Ramesh;KANDEKAR, Snehal Pappu;KATTI, Rohan Rajesh~

2026/02750 ~ Complete ~54:AN IOT-ENABLED FLOATING BUOY FOR REAL-TIME DETECTION AND MONITORING OF MICROPLASTICS IN WATER ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad;CHAVHAN, Pranali;LAD, Prem Navin;LOHAR, Dhruv Madanlal;MAKODE, Anushka Shyam;MALI, Purva Amarnath~

2026/02707 ~ Provisional ~54:SYSTEMS AND METHODS FOR DETERMINISTIC Δ-INTERPRETATIVE WAGE RISK PROJECTION USING INDICATIVE ISSUANCE SCENARIOS WITH POLICY-VERSION BINDING, REPLAYABLE PROOF BUNDLES, AND MISMATCH DIAGNOSTICS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/02709 ~ Provisional ~54:SYSTEMS AND METHODS FOR DETERMINISTIC, POLICY-VERSION-BOUND COMPUTATION AND REPLAYABLE VERIFICATION OF A BOUNDED WAGE INTERPRETATION RISK SCORE USING CANONICAL EVIDENCE RECORDS AND GOVERNANCE FRAGMENTATION SIGNALS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/02730 ~ Complete ~54:BREADTH DATA COLLECTION METHOD ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD., 4th Floor, No. 17, Smart Industry Park, Development Zone, Bijiang District,

Tongren City, People's Republic of China ~72: LIN, Yongming;LIU, Enping;LIU, Sujun;TIAN, Yan;YANG, Dingguang~

2026/02731 ~ Complete ~54:INTELLIGENT ISOLATED DYNAMIC HARDWARE PARTITIONING SYSTEM FOR CLOUD SERVERS ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD., 4th Floor, No. 17, Smart Industry Park, Development Zone, Bijiang District, Tongren City, People's Republic of China ~72: LIU, Enping;LIU, Sujun;TANG, fei;WANG, shengxiang~

2026/02733 ~ Complete ~54:MACHINE VISION-BASED INTELLIGENT WAREHOUSING MULTI-VEHICLE AUTONOMOUS DRIVING COLLABORATIVE DECISION-MAKING SYSTEM AND METHOD ~71:"HANGZHOU MUCHUANG INTELLIGENT TECHNOLOGY CO., LTD ", Room 14762, No. 54 Xixing Street, Xixing Subdistrict, Binjiang District, Hangzhou City, People's Republic of China;ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, 318 Liuhe Road, Xihu District, Hangzhou City, People's Republic of China ~72: HU, Bingyang;ZHANG, Zhang~ 33:CN ~31:2026102020375 ~32:11/02/2026

2026/02743 ~ Complete ~54:A GAS LEAKAGE AND HUMAN OCCUPANCY DETECTION SYSTEM FOR ENHANCED SAFETY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Pruthviraj Arun;CHAUDHARI, Prasad;INGALE, Indranil Maheshkumar;INGLE, Samar Rajesh;KALSHETTI, Sarita Sanjay;PATIL, Vivek;SURYAWANSHI, Amol Shivajirao~

2026/02753 ~ Complete ~54:CONTROLLING MOVEMENT OF A TRACK-MOUNTED VEHICLE ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: BISHOP, Jennifer;EEROLA, Severi;HELLEVAARA, Riku;HOPE, Ryan;PELTOMAA, Toni;PUONTI, Jari;SAHLMAN, Mika;SELIN, Mika;SORANUMMI, Satu;SUOMI, Petri~ 33:US ~31:18/232,934 ~32:11/08/2023

2026/02756 ~ Complete ~54:IMPROVEMENT APPLIED TO A STATIC MACHINE ELEMENT KNOWN AS A DISCHARGE CHAMBER INTEGRATED INTO EQUIPMENT KNOWN AS A HYDROCYCLONE USED IN THE STAGE OF VERIFYING ORE PARTICLE SIZE QUALITY AFTER THE CRUSHING STAGE, AND PROCESS OF ASSEMBLY, COUPLING, AND UNCOUPLING THEREOF WITH RESPECT TO THE HYDROCYCLONE BODY ~71:HAVER & BOECKER LATINOAMERICANA MÁQUINAS LIMITADA, Rodovia Maria Piedade da Costa, 995 - Barreiro, PEDRO LEOPOLDO 33255-360, BRAZIL, Brazil ~72: DE CARVALHO, Clayton Antônio;NILO RODRIGUES, Marcelo~ 33:BR ~31:1020240035119 ~32:22/02/2024

2026/02760 ~ Complete ~54:CLEANSING LAMELLAR COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DANIEL FILIPE PEREIRA;DOUGLAS JOHN HIBAN;DUYGU CELEBI;NARESH DHIRAJLAL GHATLIA~ 33:US ~31:63/543,961 ~32:13/10/2023;33:EP ~31:24167513.1 ~32:28/03/2024

2026/02712 ~ Provisional ~54:TORQUEHANGER ~71:GRAHAM HILL, 16 Roedtan ave, Wierdapark x2, 02 - AN INDIVIDUAL, Gauteng, 0157, South Africa ~72: GRAHAM HILL~

2026/02718 ~ Complete ~54:CLOUD-BASED INTELLIGENT FUSION ANALYSIS PLATFORM FOR HETEROGENEOUS DATA SOURCES ~71:Shanxi Yuke Technology Development Co., Ltd., A108-A109, 1/F, Sunshine Digital Port, No. 102, South Neihuan Street, Yingpan Subdistrict, Xiaodian District, Taiyuan, People's Republic of China ~72: Longlong ZHAO;Yuke ZHAO;Yuxin ZHAO;Yuxuan ZHAO~

2026/02721 ~ Complete ~54:LIQUID PHARMACEUTICAL COMPOSITIONS COMPRISING SGLT-2 INHIBITORS ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany ~72: DUCH, Thomas, Adam;HAASE, Marbod;PRIDDY, Timothy, Shane;STETTLER, Heike;WEILER, Claudius~ 33:EP ~31:15182715.1 ~32:27/08/2015

2026/02725 ~ Complete ~54:RPA PRIMER-PROBE SET AND KIT FOR DETECTING PORCINE EPIDEMIC DIARRHEA VIRUS, TRANSMISSIBLE GASTROENTERITIS VIRUS, AND PORCINE DELTACORONAVIRUS, DETECTION METHOD THEREFOR AND APPLICATION THEREOF ~71:Gansu Agricultural University, No. 1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China;Lanzhou Customs Technology Center, No. 2168 Nanhe Road, Chengguan District, Lanzhou City, Gansu Province, 730010, People's Republic of China;Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences, No.1 Xujiaping, Yanchang Road, Chengguan District, Lanzhou City, Gansu Province, 730046, People's Republic of China ~72: GOU, Huitian;HE, Jijun;JIANG, Yubao;LEI, Chunni;WANG, Bo;WANG, Xiqiao;XIE, Yingshuang;ZHANG, Xiangle;ZHANG, Xiaoxia~

2026/02744 ~ Complete ~54:AN IOT-BASED INDOOR OCCUPANCY DETECTION AND ANALYTICS SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AGRAWAL, Sanjana Sunil;BADADALE, Arya Anand;BIJWE, Aditya Manish;CHAUDHARI, Prasad Bhata;CHAVHAN, Pranali;SINGH, Ayush Lokesh;SURYAWANSHI, Amol~

2026/02746 ~ Complete ~54:AN IOT-BASED SMART DROWSINESS DETECTION AND VEHICLE SAFETY SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad B.;CHAVHAN, Pranali G;HIROLIKAR, Ojas Sandeep;KOUL, Palash;MATE, Anuja D.;PALOD, Raghav Shivdayal;PAWAR, Trunal Hanumant;SHARMA, Nakul Satpaul;SHELKE, Priya~

2026/02749 ~ Complete ~54:AN IOT-BASED FARM PROTECTION AND AUTOMATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BANEKAR, Rushi;CHAUDHARI, Prasad B.;GONGE, Shalin;GORE, Shweta;INAMDAR, Adi;SURYAWANSHI, Amol~

2026/02758 ~ Complete ~54:TARGET DEVICE FOR ISOTOPE PRODUCTION BASED ON HIGH-INTENSITY PARTICLE ACCELERATOR ~71:INSTITUTE OF MODERN PHYSICS, CHINESE ACADEMY OF SCIENCES, 509 Nanchang Rd, Chengguan District, Lanzhou, Gansu 730000, People's Republic of China ~72: HAIHUA NIU;HANJIE CAI;HONGWEI ZHAO;HUAN JIA;SHIYU SONG;WENLONG ZHAN;XIAOBO LI;YUAN HE;YUANSHUAI QIN~ 33:CN ~31:2024112702367 ~32:11/09/2024

2026/02710 ~ Provisional ~54:DUAL ELEVATING SNATCHBLOCK ~71:STARK GLOBAL (PTY) LTD, Plot F52, Bokfontein, South Africa ~72: VENTER, Richard Elmo~

2026/02722 ~ Complete ~54:TREATMENT OF METABOLIC DISORDERS IN EQUINE ANIMALS ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany ~72: JOHNSTON, Laura;MOHREN, Nicole;REICHE, Dania Birte;SOMERVILLE, Bruce;VOTH, Rebecca K.~ 33:EP ~31:14162983.2 ~32:01/04/2014;33:EP ~31:14176714.5 ~32:11/07/2014;33:EP ~31:14187223.4 ~32:01/10/2014

2026/02726 ~ Complete ~54:SUPPORT COMBINATION STRUCTURE FOR REPLACING BEAM NEST OF TUBE SUPPORTING BEAM IN VERTICAL SHAFT OF POTASH MINE ~71:CHINA COAL MINE CONSTRUCTION (ANHUI) TECHNOLOGY CO., LTD., No. 355, Fuyang North Road, Hefei City, People's Republic of China;CHINA COAL NO.3 CONSTRUCTION GROUP COMPANY LIMITED, No. 355, Fuyang North Road, Hefei City, People's Republic of China;HEIFEI DESIGN AND RESEARCH INSTITUTE OF COAL INDUSTRY CO. , LTD., No. 355, Fuyang North Road, Hefei City, People's Republic of China ~72: ZHANG, Aiyong~

2026/02735 ~ Complete ~54:POULTRY HOUSE COMPRISING HEATING STRUCTURE ~71:INSTITUTE OF POULTRY SCIENCE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, No. 26788, Industrial North Road, Jinan City, People's Republic of China;SHANDONG BLUE HORIZON ECOLOGICAL AGRICULTURE CO.LTD, No. 26788, Industrial North Road, Jinan City, People's Republic of China ~72: CAO, Dingguo;HAN, Haixia;HAO, Dan;LEI, Qiuxia;LI, Dapeng;LI, Fuwei;LIU, Jie;LIU, Wei;LIU, Yameng;PENG, Haiqing;SUN, Yan;WANG, Jie;WANG, Yunchao;ZHOU, Yan;ZHU, Yingbo~

2026/02741 ~ Complete ~54:HETEROCYCLIC CARBOXYLATE COMPOUNDS AS GLYCOLATE OXIDASE INHIBITORS ~71:LILAC THERAPEUTICS, INC., 2121 North California Blvd, Suite 290 Walnut Creek, California, 94596, United States of America ~72: AMY S LEE;AURPON W MITRA;DEVLEENA M SHIVAKUMAR;HONGYAN GUO;HYUNG-JUNG PYUN;JOHN E KNOX;JULIAN A CODELLI;LIANHONG XU;MANOJ C DESAI;ZACHARY ER NEWBY~ 33:US ~31:62/929,476 ~32:01/11/2019;33:US ~31:63/093,094 ~32:16/10/2020

2026/02754 ~ Complete ~54:NLRP3 INFLAMMASOME INHIBITOR AND USE THEREOF ~71:NEUROCRINE BIOSCIENCES, INC., 6027 Edgewood Bend Court, SAN DIEGO 92130, CA, USA, United States of America ~72: LI, Lin~ 33:CN ~31:202311008972.0 ~32:11/08/2023

. - APPLIED ON 2026/03/11 -

2026/02775 ~ Complete ~54:A DEGRADABLE VEGETATIVE SUBSTRATE FIXING DEVICE SUITABLE FOR SLOPE ECOLOGICAL RESTORATION ~71:Yangtze Normal University, No. 16 Juxian Avenue, Fuling District, Chongqing City, 408100, People's Republic of China ~72: Cezheng Wang;Hongxi Yang;Man Zhang;Ruizhe Wang;Sai Ying;Wenshun Hu;Xiaokun Tang;Yanghong Chen;Yapeng Cao;Yuhang Li;Zhijie Hu~

2026/02777 ~ Complete ~54:AN INTELLIGENT MONITORING SYSTEM FOR PLAYERS' PHYSIOLOGICAL CONDITIONS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Beibei Fu;Siyu Guo;Xiaxiao Tian;Yifei Chu~

2026/02785 ~ Complete ~54:REAL-TIME DETECTION AND ACTIVE PRESSURE RELIEF INTEGRATED DEVICE FOR ROCK BURST RISK DURING TUNNEL CONSTRUCTION ~71:SOUTHWEST UNIVERSITY OF SCIENCE AND TECHNOLOGY, A314, SPECIAL LABORATORY BUILDING, NO. 59, MIDDLE SECTION OF QINGLONG AVENUE, FUCHENG DISTRICT, MIANYANG CITY, People's Republic of China ~72: DAI, Qunwei;HE, Lisha;LIAO, Chuankang;LUO, Yaodong;MA, Luyao;YANG, Shaoping;ZHANG, Bihe;ZHANG, Haoyan~

2026/02787 ~ Complete ~54:SEALED SINGLE-DOSE CONTAINER OF LEVOTHYROXINE AQUEOUS SOLUTION SUITABLE FOR ORAL ADMINISTRATION ~71:TSETI, Ioulia, 13 PAVLOU MELA STREET, 145 61 KIFISSIA ATTIKIS, GREECE, Greece ~72: TSETI, Ioulia~ 33:GR ~31:20230100740 ~32:15/09/2023

2026/02797 ~ Complete ~54:SULFONAMIDE COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:SHANGHAI HENLIUS BIOLOGICS CO., LTD., Room 617, Building 29, No. 1, Lane 618, Dingyuan Road, People's Republic of China;SHANGHAI HENLIUS BIOSCIENCE CO., LTD., Room 706, 7th Floor, Building 7, No. 1289 Yishan Road, People's Republic of China;SHANGHAI HENLIUS BIOTECH, INC., Room 901, 9th Floor, Building 1, No.367 Shengrong Road, People's Republic of China ~72: CHI, Yushi;LIU, Rui;SHAN, Yongqiang;TIAN, Xuemei;ZHANG, Xiayan~ 33:CN ~31:202311021822.3 ~32:14/08/2023;33:CN ~31:202311258886.5 ~32:27/09/2023;33:CN ~31:202311862643.2 ~32:29/12/2023;33:CN ~31:202410481362.0 ~32:19/04/2024

2026/02801 ~ Complete ~54:PRINTED CIRCUIT BOARD STATOR AXIAL FIELD ROTARY ENERGY DEVICE WITH FERROMAGNETIC CORE ~71:INFINITUM ELECTRIC, INC., 106 E Old Settlers Blvd., Suite 106, ROUND

ROCK 78664, TX, USA, United States of America ~72: ANVARI, Bahareh;GUEDES-PINTO, Paulo;LEE, Randal A.;LEE, Richard~ 33:US ~31:63/541,071 ~32:28/09/2023

2026/02804 ~ Complete ~54:HALOGENATED PERFLUOROALIPHATIC COMPOUNDS AND METHODS OF MAKING AND USING THE SAME ~71:VALLISCOR, LLC, 1110 N.E. Circle Blvd., CORVALLIS 97330, OR, USA, United States of America ~72: BARRETT, Colby;CARTER, Rich G.;DE WILDE, Caleb;LINGAMPALLY, Rajinikanth;STANDEN, Michael C.~ 33:US ~31:63/539,412 ~32:20/09/2023

2026/02813 ~ Complete ~54:DANSYLAMIDE-MODIFIED COMPOUNDS TARGETING PSMA, PREPARATION METHOD THEREFOR, AND USE THEREOF ~71:YANTAI LANNACHENG BIOTECHNOLOGY CO., LTD., Room 101, Building 52, No. 500 Binhai East Road, Muping District, Yantai, People's Republic of China ~72: CHEN, Xiaoyuan;SHU, Linlin;WEN, Xuejun;WU, Xiaoming;YANG, Hongzhang;ZHANG, Jingjing;ZHOU, Zijian~ 33:CN ~31:202311212336.X ~32:20/09/2023

2026/02790 ~ Complete ~54:AGRICULTURAL SAMPLE PROCESSING AND ANALYSIS SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale M;LITWILLER, Riley;MINARICH, Nicholas;MOLTER, Michael;SEELYE, Joshua;SWANSON, Todd;VACCARI, Adam~ 33:US ~31:63/586,486 ~32:29/09/2023;33:US ~31:63/586,489 ~32:29/09/2023;33:US ~31:63/586,497 ~32:29/09/2023;33:US ~31:63/586,500 ~32:29/09/2023;33:US ~31:63/586,504 ~32:29/09/2023;33:US ~31:63/586,510 ~32:29/09/2023

2026/02803 ~ Complete ~54:PPP1R15B RNA INTERFERENCE AGENTS ~71:ELI LILLY AND COMPANY, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BRISKEY, Sarah Ashley;HERNANDEZ BUQUER, Selene;MILES, Rebecca R.;PERKINS, Douglas Raymond;SAMMS, Ricardo J.~ 33:US ~31:63/587,235 ~32:02/10/2023

2026/02806 ~ Complete ~54:SOLID ALCOHOL SOLVATES OF TETRAALKYLAMMONIUM FLUORIDES AND METHODS OF PRODUCTION ~71:W.R. GRACE & CO.-CONN., 7500 Grace Drive, COLUMBIA 21044, MD, USA, United States of America ~72: BOCHAT, Andrew;GOUDAR, Jaidev;SASKA, Jan~ 33:US ~31:63/581,953 ~32:11/09/2023

2026/02767 ~ Provisional ~54:SYSTEMS AND METHODS FOR DETERMINISTIC POLICY-VERSION-BOUND ESTIMATION OF DISPUTE FREQUENCY, EXPECTED DISPUTE COST, AND TAIL RISK USING EVIDENCE-GATED INTERPRETATIVE WAGE RISK SIGNALS WITH REPLAYABLE PROOF BUNDLES ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/02770 ~ Provisional ~54:CRYOGENIC MULTI-FLUID PUMP SYSTEM FOR HYDROGEN GREEN AMMONIA GREEN METHANOL LOHC UNIVERSAL PUMP CONVERSION RETROFIT SYSTEMS/UNIVERSAL MULTI-FLUID PUMP ARCHITECTURE AND CONVERSION PLATFORMS ~71:Mr.Damon S Reaves, 2626 East Monument Street, Baltimore, Maryland, 21205, United States of America ~72: Mr.Damon Reaves~

2026/02774 ~ Complete ~54:INTELLIGENT ZONING - CONTROLLED BIPV CURTAIN WALL COMPREHENSIVE UTILIZATION SYSTEM ~71:Guangdong Zhongke Energy Storage Development Co., Ltd., Room 1810, Building 2, Xunmei Technology Plaza, No.8 Keyuan Road, Kejiyuan Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, People's Republic of China ~72: Guohui He~

2026/02776 ~ Complete ~54:TRANSFER VESSEL FOR A HOT MATERIAL ~71:METIX (PROPRIETARY) LIMITED, 204 Rivonia Road, Morningside, South Africa ~72: LE ROUX, Jean Jacques;LOTTER, Gabriel Jacobus;MALAN , Stephanus Willem~ 33:NL ~31:2040297 ~32:01/05/2025

2026/02782 ~ Complete ~54:RAILCAR DRAWBAR ASSEMBLY ~71:MINER ENTERPRISES, INC., 1200 East State Street, Geneva, Illinois, 60134, United States of America ~72: DONALD E WILT~ 33:US ~31:19/081,541 ~32:17/03/2025

2026/02788 ~ Complete ~54:SAMPLE ANALYSIS APPARATUSES COMPRISING A PLASMA TORCH DEVICE ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KAISER, Jesse;KOCH, Dale M;MOLTER, Michael~ 33:US ~31:63/586,486 ~32:29/09/2023;33:US ~31:63/586,489 ~32:29/09/2023;33:US ~31:63/586,497 ~32:29/09/2023;33:US ~31:63/586,500 ~32:29/09/2023;33:US ~31:63/586,504 ~32:29/09/2023;33:US ~31:63/586,510 ~32:29/09/2023

2026/02857 ~ Provisional ~54:CLIENT-CENTRIC AGENTIC SYSTEM FOR AUTONOMOUS ADVISORY INTERMEDIATION WITH LONGITUDINAL RECORD OF ADVICE ~71:Sharné Liebenberg, 3 Mt Cascade, Midlands Estate, Midstream, South Africa ~72: Sharné Liebenberg~

2026/02807 ~ Complete ~54:ANTIMICROBIAL EXTRACT FROM VIBRIO GAZOGENES AND METHODS OF PRODUCING AND USING THE SAME ~71:MYCOLOGICS LLC, 14030 Great Notch Terrace, United States of America ~72: CHANDA, Anindya~ 33:US ~31:63/582,527 ~32:14/09/2023

2026/02808 ~ Complete ~54:METHOD AND CONTROL UNIT FOR OPERATING A FIRST MACHINE IN A MINING ENVIRONMENT ~71:EPIROC ROCK DRILLS AKTIEBOLAG, SE-701 91, Örebro, Sweden ~72: ANDREAS ÖKVIST;RICHARD HENDEBERG;ROBERT LUNDH~

2026/02812 ~ Complete ~54:SALT FORM AND CRYSTAL FORM OF NITROGEN-CONTAINING HETEROCYCLIC DERIVATIVE INHIBITOR, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 11, No. 3728 Jinke Road, (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: GUO, Linsong;ZHAN, Xiaolan~ 33:CN ~31:202311197754.6 ~32:15/09/2023;33:CN ~31:202311198733.6 ~32:15/09/2023

2026/02814 ~ Provisional ~54:MODERN CLASSIC DUST FREE GRAVES ~71:NAKEDI ALBERTINA MOJAPELO, HOUSE NO 20136 MOGODI MAKOTO MPHAHLELE, South Africa ~72: NAKEDI ALBERTINA MOJAPELO~

2026/02779 ~ Complete ~54:IDENTIFICATION AND APPLICATION OF HAP19 GENOTYPE OF SPSB GENE ~71:YUNNAN ACADEMY OF AGRICULTURAL SCIENCES SUGARCANE RESEARCH INSTITUTE, No. 363, Lingquan East Road, Kaiyuan City, Honghe Prefecture, People's Republic of China ~72: CHEN, Shengxian;KONG, Chunyan;LI, Chunjia;LI, Xujuan;LIN, Xiuqin;LIU, Hongbo;LIU, Xinlong;LU, Xin;MAO, Jun;XU, Chaohua~

2026/02781 ~ Complete ~54:DAMAGE-PREVENTION PRODUCT PLACEMENT DEVICE FOR LOADING/UNLOADING AND TEMPORARY STORAGE AREAS IN AN INTELLIGENT MANUFACTURING LINE ~71:NANJING VOCATIONAL COLLEGE OF INFORMATION TECHNOLOGY, NO. 99, WENLAN ROAD, QIXIA DISTRICT, NANJING CITY, People's Republic of China ~72: SUN, Lei;WANG, Wanjun;XUAN, Yan;ZHOU, Linyong;ZHU, Chunyan~ 33:CN ~31:2026102203215 ~32:24/02/2026

2026/02792 ~ Complete ~54:COMPOUNDS AND METHODS FOR REDUCING APOCIII EXPRESSION ~71:IONIS PHARMACEUTICALS, INC., 2855 Gazelle Court, Carlsbad, United States of America ~72: MULLICK, Adam;PRAKASH, Thazha P;SWAYZE, Eric E~ 33:US ~31:63/582,688 ~32:14/09/2023;33:US ~31:63/648,076 ~32:15/05/2024

2026/02809 ~ Complete ~54:PYRIMIDINE-CONTAINING POLYCYCLIC DERIVATIVES AS KRAS G12D MODULATING COMPOUNDS ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, California, 94404, United States of America ~72: CHAODI DAI;DARRYL KATO;HAYATO SHIOTSU;HYUNG-JUNG PYUN;JENNIFER R ZHANG;JONATHAN WILLIAM MEDLEY;JUAN A GUERRERO;MAOQUN TIAN;SCOTT E LAZERWITH;THOMAS C.J MIES;WILLIAM J WATKINS~ 33:US ~31:63/581,551 ~32:08/09/2023;33:US ~31:63/562,155 ~32:06/03/2024;33:US ~31:63/640,100 ~32:29/04/2024

2026/02811 ~ Complete ~54:METHOD FOR GENERATING A SOYA PROTEIN TEXTURATE ~71:NEXNOA GMBH, Durmersheimer Straße 188 A, 76189, Germany ~72: EMIN, Azad~ 33:DE ~31:10 2023 127 054.0 ~32:04/10/2023

2026/02798 ~ Complete ~54:MEANS AND METHODS FOR MODIFYING TRICHOTHECENE ~71:DSM IP Assets B.V., Wilhelminasingel 39, MAASTRICHT 6221 BE , THE NETHERLANDS, Netherlands ~72: FRUHAUF, Sebastian;MOLL, Wulf-Dieter;SILLER, Martin;STREIT, Elisabeth;WEBER, Barbara~ 33:EP ~31:23199736.2 ~32:26/09/2023

2026/02805 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INFESTATION OF PLANTS BY INSECTS ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GABERTHUEEL, Matthias;IVACIC, Damir~ 33:EP ~31:23201523.0 ~32:04/10/2023;33:EP ~31:23215353.6 ~32:08/12/2023

2026/02769 ~ Provisional ~54:CONDUCTIVE CURRENT-COLLECTOR-COATING COMPOSITION ~71:AKAD TECHNOLOGIES (PTY) LTD., 06 Tongaat Street, Kayamandi, Stellenbosch, 7600, South Africa;STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, Western Cape, 7600, South Africa;UNIVERSITY OF THE WESTERN CAPE, Robert Sobukwe Road, Bellville, Cape Town, Western Cape, 7535, South Africa ~72: ABDUL-KADER POOL;BERNARD JAN BLADERGROEN;DORCAS ZIDE;EBRAHIEM BOTHA;NAFEESAH SMITH~

2026/02778 ~ Complete ~54:LOGISTICS FORKLIFT HAVING COLLISION AVOIDANCE ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Chen Lei;Chen Qin;Chen Suilei~

2026/02780 ~ Complete ~54:ACTIVE SAMPLING DEVICE FOR PERSISTENT ORGANIC POLLUTANTS (PAHS) IN THE ATMOSPHERE ~71:LESHAN NORMAL UNIVERSITY, NO. 778, BINHE ROAD, SHIZHONG DISTRICT, LESHAN CITY, People's Republic of China ~72: HUANG, Wangyin~

2026/02786 ~ Complete ~54:SITE BOUNDARY ATMOSPHERIC DISPERSION FACTOR ANALYSIS METHOD AND SYSTEM FOR SMALL NUCLEAR REACTOR ~71:SHANGHAI NUCLEAR ENGINEERING RESEARCH & DESIGN INSTITUTE CO., LTD., NO. 29 HONGCAO ROAD, XUHUI DISTRICT, SHANGHAI 200233, CHINA, People's Republic of China ~72: CHEN, Zeyu;FU, Yaru;GAO, Shengqin;LI, Hui;LI, Xiang;LIU, Jiaxin;MAO, Jie;MAO, Lanfang;MEI, Qiliang;SHI, Tao;SUN, Dawei;ZHAI, Liang;ZHOU, Yan~ 33:CN ~31:202311041085.3 ~32:17/08/2023

2026/02795 ~ Complete ~54:AMMONIUM FERRIC CITRATE-ORGANIC ACID COMPLEX, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:ANIPHA TECHNOLOGIES PTY LTD, 122 Grant Avenue, Toorak Gardens, Adelaide, Australia ~72: PENG, Xianfeng~ 33:CN ~31:202311269788.1 ~32:28/09/2023

2026/02800 ~ Complete ~54:SUBSTITUTED AMINOPYRIDINE COMPOUNDS FOR USE AS AKT1 INHIBITORS ~71:ATAVISTIK BIO, INC., 101 Cambridgepark Drive, CAMBRIDGE 02140, MA, USA, United States of America ~72: BLANCO-PILLADO, Maria Jesus;COFFIN, Aaron Robert;PADYANA, Anil Kumar~ 33:US ~31:63/538,712 ~32:15/09/2023;33:US ~31:63/568,711 ~32:22/03/2024

2026/02766 ~ Provisional ~54:SYSTEM AND METHOD FOR PRESENCE-BASED LOCATION INTELLIGENCE USING PREDICTIVE MULTI-SENSOR POSITION DETERMINATION, SPATIAL ANCHOR REFERENCING, DIGITAL TWIN MAPPING, PROBABILISTIC STATE ESTIMATION, AND LOCATION-VALIDATED EVENT PROCESSING ~71:Raneil Sewnarain, 15c Benacre Ln, Longlake Ext 6, Lethabong, 1645, South Africa ~72: Raneil Sewnarain~

2026/02768 ~ Provisional ~54:SYSTEM AND METHOD FOR A DIGITAL TALENT DISCOVERY, CONTENT MONETIZATION, AND INTEGRATED FINANCIAL SERVICES PLATFORM ~71:APPLIFT INTELLIGENCE PTY LTD, 24 ELFIN GLEN ROAD, 21 PHEZULA VIEWS, NAHOON VALLEY PARK, South Africa ~72: SIBULELE MENE~ 33:ZA ~31:0000 ~32:10/03/2026

2026/02783 ~ Complete ~54:MUSIC RECOMMENDATION SYSTEM BASED ON BIG DATA ~71:LIUZHOU POLYTECHNIC UNIVERSITY, NO. 28 SHEWAN ROAD, YUFENG DISTRICT, People's Republic of China ~72: HUANG, Fang~

2026/02789 ~ Complete ~54:TRANSMISSION CONFIGURATION INDICATOR (TCI) ACTIVATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DIMNIK, Riikka, Karoliina;GOYAL, Sanjay;KOSKELA, Timo~ 33:US ~31:63/520,793 ~32:21/08/2023

2026/02765 ~ Provisional ~54:SYSTEM AND METHOD FOR PRIVACY-PRESERVING DIGITAL IDENTITY VERIFICATION AND SAFETY PROTECTION FOR MINOR USERS ~71:Estelle Coetzee, 81 Keiskamma Avenue, South Africa ~72: Estelle Coetzee~

2026/02784 ~ Complete ~54:CABLE CLAMPING DEVICE FOR ELECTRONIC INFORMATION COMMUNICATION ~71:HEFEI ZHONGJIYUAN TECHNOLOGY CO., LTD., CHANGNING COMMUNITY SERVICE CENTER OF HEFEI SCIENCE AND TECHNOLOGY PARK, HIGH-TECH ZONE, HEFEI CITY, People's Republic of China;HUAINAN NORMAL UNIVERSITY, LONGQUAN SUBDISTRICT, TIANJIA'AN DISTRICT, HUAINAN CITY,, People's Republic of China ~72: LI, Chuang;LV, Zhaocheng;MENG, Deshuo;SONQ, Qiang;WU, Shenbing~

2026/02794 ~ Complete ~54:VIADUCT WIND TUNNEL MODEL AND TEST METHOD ~71:Gansu Agricultural University, No.1, Yingmen Village, Anning District, Lanzhou, Gansu, 730070, People's Republic of China ~72: LI, Xinchun;MA, Rui;YU, Yanping;ZHANG, Wenjie~ 33:CN ~31:202610055400.5 ~32:15/01/2026

2026/02796 ~ Complete ~54:CLOCK SWITCHING CONTROL CIRCUIT AND CONTROL METHOD ~71:RAYSTAR MICROELECTRONICS TECHNOLOGY CO., LTD, Room 368, No.668 Xinzhuan Road, Xingiao Town Songjiang District, People's Republic of China ~72: GU, Ming;HUANG, Daliang;MA, Huaichang;MAO, Xin~ 33:CN ~31:202311257393.X ~32:27/09/2023

2026/02799 ~ Complete ~54:SIRNAS FOR SIMULTANEOUSLY INHIBITING EXPRESSION OF TWO TARGET GENES, DRUG AND USE THEREOF ~71:BEBETTER MED INC., Room 802, 8th Floor, Building A-3, No. 25, Yayingshi Road, Science City, High-tech Industrial Development Zone, GUANGZHOU 510660, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: FAN, Fushun;LIU, Xinjian;QIAN, Changgeng;WANG, Binjie;WEI, Yanli~ 33:CN ~31:202311209042.1 ~32:18/09/2023;33:CN ~31:202410174987.2 ~32:07/02/2024;33:CN ~31:202410762953.5 ~32:13/06/2024

2026/02810 ~ Complete ~54:MAGNETIC SEPARATORS FOR INCREASED RESIDENCEY OF MATERIAL FEEDS, AND METHODS OF USING THE SAME ~71:JOSÉ PANCRÁCIO RIBEIRO, 1100 Alameda Oscar Niemeyer, Apt. 1803C, 34006-065 Nova Lima, Minas Gerais, Brazil;RIBEIRO, CLÁUDIO HENRIQUE TEIXEIRA, 9808 Caitlins Ct. Ellicott City, Maryland, 21042, United States of America ~72: CLÁUDIO HENRIQUE TEIXEIRA RIBEIRO;JOSÉ PANCRÁCIO RIBEIRO~ 33:US ~31:63/582,679 ~32:14/09/2023

2026/02791 ~ Complete ~54:SAMPLE ANALYSIS APPARATUS COMPRISING A PLASMA TORCH DEVICE AND A HYBRID PUMP, AND RELATED SYSTEMS AND METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KAISER, Jesse;KOCH, Dale M;LITWILLER, Riley;MINARICH, Nicholas;MOLTER, Michael;SWANSON, Todd~ 33:US ~31:63/586,486 ~32:29/09/2023;33:US ~31:63/586,489 ~32:29/09/2023;33:US ~31:63/586,497 ~32:29/09/2023;33:US ~31:63/586,500 ~32:29/09/2023;33:US ~31:63/586,504 ~32:29/09/2023;33:US ~31:63/586,510 ~32:29/09/2023

2026/02793 ~ Complete ~54:AGRICULTURAL SAMPLE PROCESSING AND ANALYSIS SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: MINARICH, Nicholas;SWANSON, Todd~ 33:US ~31:63/586,486 ~32:29/09/2023;33:US ~31:63/586,489 ~32:29/09/2023;33:US ~31:63/586,497 ~32:29/09/2023;33:US ~31:63/586,500 ~32:29/09/2023;33:US ~31:63/586,504 ~32:29/09/2023;33:US ~31:63/586,510 ~32:29/09/2023

2026/02802 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INFESTATION OF PLANTS BY PHYTOPATHOGENIC FUNGI ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GABERTHUEEL, Matthias;IVACIC, Damir~ 33:IB ~31:2023/123089 ~32:04/10/2023

2026/02815 ~ Provisional ~54:SMART BAG NO.7 ~71:STEPHANUS JOHANNES VAN DER WALT, 85 NICOL STREET, HEILBRON, South Africa ~72: STEPHANUS JOHANNES VAN DER WALT~

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2026/02825 ~ Provisional ~54:COMPOSITIONS AND METHODS FOR TARGETED MODULATION OF THE INTEGRATED STRESS RESPONSE (ISR) THROUGH EIF2B DECAMER STABILIZATION AND ZAKA PATHWAY RESOLUTION. ~71:SM Nutritionals (Pty) Ltd, 682 Turf Street unit 7, South Africa ~72: Dr Andre J Potgieter~

2026/02826 ~ Provisional ~54:MULTI-MODAL INTRAVAGINAL DIAGNOSTIC SYSTEM AND METHOD FOR OBJECTIVE LABOR MONITORING (BIRTHSCOPE) ~71:Itzhak Aharon, 66 Borochov st., Jerusalem, 976620, Israel;Yoel Arieli, 14b Rabi Meir st., Jerusalem, 9318538, Israel ~72: Itzhak Aharon;Yoel Arieli~

2026/02837 ~ Complete ~54:WET AIR OXIDATION OF WASTEWATER SLUDGE SOLIDS ~71:LUMMUS TECHNOLOGY LLC, 5825 N. Sam Houston Parkway West, Suite 600 Houston, United States of America ~72: FELCH, Chad~ 33:US ~31:63/590,038 ~32:13/10/2023

2026/02840 ~ Complete ~54:7-DIFLUORINATED STEROIDS FOR USE IN THE TREATMENT OF NEUROLOGICAL OR MITOCHONDRIAL DISEASES ~71:CRISTAE THERAPEUTICS LIMITED, Thames Valley Science Park, Gateway Building 1, United Kingdom ~72: BARNES, Katy Amanda;KOMSTA, Zofia;MORTIBOYS, Heather;PARKER, Gemma Louise;RAINBOW, Elizabeth;WALLIS, Laura Louise;WEYMOUTH-WILSON, Alexander Charles~ 33:GB ~31:2314563.4 ~32:22/09/2023

2026/02845 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INFESTATION OF PLANTS BY INSECTS ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GABERTHUEEL, Matthias;IVACIC, Damir~ 33:EP ~31:23201520.6 ~32:04/10/2023;33:EP ~31:23215346.0 ~32:08/12/2023

2026/02849 ~ Complete ~54:ZWITTERIONIC METAL CHELATORS ~71:CURADEL SURGICAL INNOVATIONS, INC., 11 Erie Drive, NATICK 01752, MA, USA, United States of America ~72: FRANGIONI, John V.;MAISON, Wolfgang~ 33:US ~31:63/538,038 ~32:12/09/2023;33:US ~31:18/640,169 ~32:19/04/2024;33:US ~31:18/732,982 ~32:04/06/2024

2026/02978 ~ Provisional ~54:VAYAA ~71:Vayaa, 228 Mzimba Zuma Section, South Africa ~72: Bongani Lindokuhle Mngcina~

2026/02841 ~ Complete ~54:PREPARATION AND USE OF NICKEL-FOAM-SUPPORTED LAYERED COBALT TUNGSTEN OXIDE CATALYST FOR EFFICIENT WATER DECOMPOSITION ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Qiongshan District, Haikou, Hainan, 571158, People's Republic of China ~72: CHEN Huaxia;CHENG Ziming;HUA Yingjie;WANG Chongtai~ 33:CN ~31:2025108246987 ~32:19/06/2025

2026/02850 ~ Complete ~54:N-OXIDE BASED ZWITTERIONIC NEAR INFRARED FLUOROPHORE IMAGING AGENTS AND METHODS OF USE THEREFOR ~71:CURADEL SURGICAL INNOVATIONS, INC., 11 Erie Drive, NATICK 01760, MA, USA, United States of America ~72: FRANGIONI, John V.~ 33:US ~31:63/538,038 ~32:12/09/2023;33:US ~31:63/648,302 ~32:16/05/2024;33:US ~31:63/656,858 ~32:06/06/2024

2026/02836 ~ Complete ~54:APPLICATION OF ANTI-TETANUS TOXIN ANTIBODY IN PREVENTING OR TREATING TETANUS ~71:ZHUHAI TRINOMAB PHARMACEUTICAL CO., LTD., Rm.110, 1/F., Plant Building 6, No.6366 Zhuhai Avenue, People's Republic of China ~72: DING, Jiyuan;KUANG, Xiaohu;LIAO, Huaxin;LIU, Xinyu;WANG, Wanmei;WANG, Yueming;ZHENG, Weihong~ 33:CN ~31:202311265343.6 ~32:27/09/2023

2026/02838 ~ Complete ~54:FAP TARGETING CYCLIC PEPTIDES AND CONJUGATES THEREOF ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: BONGARZONE, Salvatore;CAMPORESE, Davide;CLEMENTE, Gonçalo dos Santos;EHARA, Takeru;FISCHER, Matteo;GOLOSOV, Andrei, Alexandrovich;GROSCHE, Philipp;HOLZER, Philipp;KARPOV, Alexei;LACAUD-BAUMLIN, Marion;LEDER, Lukas;MALO, Rafael Bermeo;MARZINZIK, Andreas;MIZUKOSHI, Yoshihide;MUNSCH, Charlie;RESCHKE, Markus Oliver;SELLNER, Holger;STACHYRA, Therese-Marie~ 33:US ~31:63/519,599 ~32:15/08/2023;33:US ~31:63/650,139 ~32:21/05/2024

2026/02851 ~ Complete ~54:NON-SYSTEMIC MRNA ADMINISTRATION ~71:ETHRIS GMBH, Semmelweisstrasse 3, 82152, Planegg, Germany ~72: CARSTEN RUDOLPH;CHRISTIAN DOHMEN;CHRISTIAN PLANK;ESTELLE BEGUIN;GÜNTHER HASENPUSCH;STEFFEN MEYER;THOMAS LANGENICKEL~ 33:EP ~31:23020381.2 ~32:14/08/2023;33:EP ~31:24184146.9 ~32:24/06/2024

2026/02843 ~ Complete ~54:METHOD OF DISPENSING NON-ALCOHOLIC BEER FROM A BEER CONTAINER ~71:HEINEKEN SUPPLY CHAIN B.V., Burgemeester Smeetsweg 1, ZOETERWOUDE 2382 PH, THE NETHERLANDS, Netherlands ~72: O'SULLIVAN, Tadhg;VAN DER AA, Michiel Adrianus Henricus;ZEEGERS, Petronella Joanna~ 33:EP ~31:23197982.4 ~32:18/09/2023;33:EP ~31:24168998.3 ~32:08/04/2024;33:EP ~31:24192940.5 ~32:05/08/2024

2026/02846 ~ Complete ~54:USE OF A MIXTURE OF CATIONIC SURFACTANTS TO DISPERSE A QUATERNARY ESTER AMMONIUM COMPONENT IN WATER ~71:KAO CORPORATION S.A., Puig dels Tudons, 10, BARBERA DEL VALLES (BARCELONA) 08210, SPAIN, Spain ~72: MUNDÓ BLANCH, Miquel;NOGUÉS LÓPEZ, Blanca;PI BOLEDA, Bernat;SOBREVIAS ALABAU, Jaume~ 33:EP ~31:23382899.5 ~32:05/09/2023

2026/02848 ~ Complete ~54:MODULAR ELECTROLYSIS SYSTEM ~71:LINDE GMBH, Dr.-Carl-von-Linde-Str. 6-14, PULLACH 82049, GERMANY, Germany ~72: CHROMIK, Karsten;DIETZEN, Markus;GAUBE, Gerald;HÜBSCH, Ulf;LASCHINKSKY, Peter;LEUPOLT, Georg;PASCHKE, Mike;STEINMETZ, Eckard;VOGEL, Johannes~ 33:EP ~31:23020448.9 ~32:26/09/2023

2026/02853 ~ Complete ~54:AN ANTIMICROBIAL CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AKSHATHA

NARASIMHAMURTHY;KARTHIKA BEENA;MAYA TREESA SAJI;SAMEER KESHAV BARNE~ 33:EP ~31:23198518.5 ~32:20/09/2023

2026/02854 ~ Complete ~54:BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND USES THEREOF ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, California, 94404, United States of America ~72: AALIYAH B SHODEINDE;ANA Z GONZALEZ BUENROSTRO;CHIENHUNG CHOU;GREGG M SCHWARZWALDER;HAI YANG;JIAYAO LI;LAN JIANG;MEGAN K ARMSTRONG;MICHAEL L MITCHELL;MURALI SUBRAMANIAN;QIAOYIN WU;XIAOCHUN HAN~ 33:US ~31:63/543,700 ~32:11/10/2023;33:US ~31:63/659,857 ~32:14/06/2024;33:US ~31:63/702,723 ~32:03/10/2024

2026/02822 ~ Provisional ~54:MODULAR WEAR-RESISTANT LINER ~71:RIO-CARB (PTY) LTD, 11 Barium Street, Alrode, South Africa ~72: MAINE, Colin Royce;REIB, Thomas~

2026/02824 ~ Provisional ~54:SECURITY DEVICE ~71:DA SERRA, AJG, Unit 23, Wild Teak Estate, Phyllis Street, South Africa ~72: DA SERRA, AJG~

2026/02827 ~ Provisional ~54:INTEGRATED SMART ROAD INFRASTRUCTURE SYSTEM COMPRISING TRIPLE-LAYER SELF-HEALING ASPHALT MATRIX WITH CASCADING DEFENCE ARCHITECTURE, ADAPTIVE STRUCTURAL REINFORCEMENT FRAMEWORK WITH DUAL GRID-TO-SPIDERWEB CONFIGURATION, EMBEDDED PIEZOELECTRIC AND PHOTOVOLTAIC ENERGY HARVESTING SMART PANELS, SILICA-BASED DUAL-PROPERTY INTERLAYER, CYCLIC PROPHYLACTIC SURFACE REPLENISHMENT PROTOCOL, AND UNIVERSAL CASTABLE STRUCTURAL FOAM SEALANT FOR ROAD INFRASTRUCTURE APPLICATIONS ~71:Bhevin Lux Collective (Pty) Ltd, 78 Marula Circle, Trenance Park, South Africa ~72: Pravin Rathan Singh~

2026/02831 ~ Complete ~54:AN ANCHOR ARRANGEMENT ~71:BOTHA, Raymond, Mark, FARM 134, KARINO, NELSPRUIT, 1204, South Africa ~72: BOTHA, Raymond, Mark;MARSHALL, Elton;MARSHALL, Garth~ 33:ZA ~31:2025/01964 ~32:05/03/2025

2026/02832 ~ Complete ~54:TEMPERATURE DIFFERENCE SELF-POWERED ELECTROCHROMIC INTELLIGENT WINDOW AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: GUO Junji;LIU Zhiqing;WANG Chaoyong;WANG Wenfang;ZHAO Jun~

2026/02833 ~ Complete ~54:A BATTERY PRESSURE DETECTION DEVICE ~71:China Machinery Huanyu(Shan Dong)Vehicle Certification And Testing Co., Ltd, No. 1266 Chongde Fifth Avenue, Yuanqiao Town, Economic and Technological Development Zone, Dezhou City, Shandong Province, 253084, People's Republic of China ~72: HUANG, Xiaobo;TIAN, Xiaochong;ZHU, Zhangling~ 33:CN ~31:202510795490.7 ~32:16/06/2025

2026/02839 ~ Complete ~54:DRONE-BASED PAYLOAD MANAGEMENT ~71:NANT HOLDINGS IP, LLC, 9922 Jefferson Boulevard Culver City, United States of America ~72: SOON-SHIONG, Patrick;WIACEK, John;WITCHEY, Nicholas J~ 33:US ~31:18/465,874 ~32:12/09/2023

2026/02847 ~ Complete ~54:WEAR COMPONENT ASSEMBLY WITH ADAPTER WEAR CAP ~71:BLACK CAT WEAR PARTS, LTD., 5604 59th Street, EDMONTON T6B 3C3, ALBERTA, CANADA, Canada ~72: RUVANG, John A.~ 33:US ~31:18/468,550 ~32:15/09/2023

2026/02830 ~ Provisional ~54:SYSTEM AND METHOD FOR GENERATING A VERIFIED ENTITY-STATE GRAPH, COMPILING A DYNAMIC OBLIGATION GRAPH, AND SYNCHRONISING EVIDENCE-BACKED WORKFLOW DELTAS ACROSS HETEROGENEOUS ACCESS CHANNELS ~71:Jessick Tshoane Tladi, 3165-

102 Ixilongo Street, South Africa;Raneil Sewnarain, 15c Benacre Ln, South Africa ~72: Jessick Tshoane Tladi;Raneil Sewnarain~

2026/02852 ~ Complete ~54:VERTICAL MICRO CAVITY (VMC) AND METHODS OF USING IT FOR PRODUCTION OF ELECTRICITY ~71:ADAM'S SYSTEMS TECHNOLOGY LTD, 9 Andrei Sakharov St., Haifa, 3508409, Israel ~72: ALEXANDER ELBAZ;LIVIU SINGHER~ 33:IL ~31:305170 ~32:14/08/2023

2026/02855 ~ Complete ~54:BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND USES THEREOF ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, California, 94404, United States of America ~72: ANA Z GONZALEZ BUENROSTRO;CHIENHUNG CHOU;GREGG M SCHWARZWALDER;HAI YANG;JIAYAO LI;LAN JIANG;MEGAN K ARMSTRONG;QIAOYIN WU;XIAOCHUN HAN~ 33:US ~31:63/543,699 ~32:11/10/2023;33:US ~31:63/641,589 ~32:02/05/2024

2026/02819 ~ Provisional ~54:A RETAINING DEVICE ~71:JOHNSON, Johnny, Joseph, PLOT 50, BUSHY PARK, PORT ELIZABETH, SOUTH AFRICA, South Africa ~72: JOHNSON, Johnny, Joseph;PHILLIPS, Russell, Leslie~

2026/02821 ~ Provisional ~54:FLOATING BARRIER ~71:COCHRANE STEEL PRODUCTS (PTY) LTD, 125 Fitter Road, Spartan, South Africa ~72: COCHRANE, Alexander Richard~

2026/03020 ~ Complete ~54:STABILIZED LIPID AND LIPIDOID NANOPARTICLE FORMULATIONS WITH SPECIFIC SURFACTANT PROPERTIES FOR ENHANCED PHARMACEUTICAL APPLICATIONS ~71:ETHRIS GMBH, Semmelweisstrasse 3, 82152, Planegg, Germany ~72: CARSTEN RUDOLPH;CHRISTIAN DOHMEN;CHRISTIAN PLANK;ESTELLE BEGUIN;GABRIEL MORILLA~ 33:EP ~31:23020399.4 ~32:25/08/2023

2026/02828 ~ Provisional ~54:TUNEABLE STRUCTURAL POLYURETHANE FOAM COMPOSITION COMPRISING TWO-COMPONENT MDI-POLYOL SYSTEM WITH HOLLOW GLASS MICROSPHERES, REINFORCING MICROFIBRES, PHASE-CHANGE MICROCAPSULES, AND CONTROLLED-PROFILE CURE CATALYST, ADJUSTABLE ACROSS THE RIGID-TO-FLEXIBLE PERFORMANCE SPECTRUM FOR ROAD INFRASTRUCTURE SEALING, COMMERCIAL BUILDING JOINTS, PIPE PENETRATION SEALING, STRUCTURAL FILLER, AND CAST CONSTRUCTION ELEMENT APPLICATIONS ~71:Bhevin Lux Collective (Pty) Ltd, 78 Marula Circle, Trenance Park, South Africa ~72: Pravin Rathan Singh~

2026/02834 ~ Complete ~54:SPRAYING AND FERTILIZING METHOD, SYSTEM, AND MOTORCYCLE FOR AIR-GROUND DUAL-USE MANNED UNMANNED FLYING MOTORCYCLE ~71:Shiguo Zhang, Room 301, Unit 4, Building B3, Jiahuiyuan Community, Huanghe Road, Tongshan Town, Tongshan District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Shiguo Zhang;Shuyue Zhang;Yan Zhang~

2026/02835 ~ Complete ~54:UNDERGROUND MINING MACHINE ~71:SANDVIK MINING AND CONSTRUCTION OY, Pihtisulunkatu 9, TAMPERE FI-33330, FINLAND, Finland ~72: FRANCKE, Totte;LEHTINEN, Ville;PESOLA, Mikko;PÄRSSINEN, Ville~ 33:EP ~31:25181129.5 ~32:05/06/2025

2026/02842 ~ Complete ~54:THERAPEUTIC ADENO-ASSOCIATED VIRUS USING NUCLEIC ACID ENCODING ALPHA-GLUCOSIDASE (GAA) FOR TREATING POMPE DISEASE, WITH HETEROLOGOUS SIGNAL PEPTIDE ~71:AskBio Inc., 20 T.W. Alexander Drive, Suite 110, Research Triangle Park, 27709, NC, USA, United States of America;Shanghai Belief-Delivery BioMed Co., Ltd, 389 Jinglian Road, Minhang District, SHANGHAI, CHINA (P.R.C.), People's Republic of China ~72: ANGUELA MARTINEZ, Xavier;HAMMOND, Scott;HOPKINS, Samuel;SUAREZ, Lester;TRETIAKOVA, Anna;XIAO, Xiao~ 33:US ~31:63/539,000 ~32:18/09/2023

2026/02844 ~ Complete ~54:POLYPEPTIDE, COMPOSITION AND PROCESS FOR SEPARATING SILICA FROM A MEDIUM ~71:ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE - ITV, Praia de Botafogo, nº186, sala 1801, BOTAFOGO 22250-145, RIO DE JANEIRO, RJ, BRAZIL, Brazil;CENTRO NACIONAL DE PESQUISA EM ENERGIA E MATERIAIS, Rua Giuseppe Máximo Scolfaro, nº 10.000, Polo II de Alta Tecnologia, CAMPINAS - SP 13083-100, BRAZIL, Brazil;VALE S.A., Praia de Botafogo, nº 186, Salas 901, 1101, 1601 (parte), 1701 e 1801, BOTAFOGO 22250-145, RIO DE JANEIRO, RJ, BRAZIL, Brazil ~72: ANDRADE, Maxuel de Oliveira;LIMA, Evandro Antonio de;MERMA, Antonio Gutierrez;MURAKAMI, Mario Tyago;RODRIGUES, Priscila Thihara;SILVAS, Flávia Paulucci Cianga~ 33:BR ~31:1020230185444 ~32:13/09/2023

2026/02816 ~ Provisional ~54:A DINING EXPERIENCE AND DESTINATION IN A PLANE ~71:ODUETSE MOGOROSI, LITTLE MANHATTAN, CNR MHIRING & WF NKOMO, South Africa ~72: ODUETSE MOGOROSI~

2026/02820 ~ Provisional ~54:A BEVERAGE CONTAINER SYSTEM AND DOSAGE UNIT ~71:MOLAI, Rafilwe Betty, 2910 Damac Heights, United Arab Emirates ~72: MOLAI, Rafilwe Betty~

2026/02823 ~ Provisional ~54:THE LINEAR COLLAPSE OF NP-COMPLETE SPACE: DETERMINISTIC LINEAR PROJECTION SYSTEM ~71:Daniel Francois Rossouw, Mount Anderson, South Africa ~72: Daniel Francois Rossouw~

2026/02858 ~ Provisional ~54:SYSTEM AND METHOD FOR ARTIFICIAL INTELLIGENCE-BASED MONITORING, ANALYSIS, CROSS-PLATFORM INTELLIGENCE CAPTURE, AND AUTONOMOUS INTELLIGENCE GENERATION FOR INVESTOR COMMUNICATION EVENTS ~71:David Cameron, 41 Rooigras Avenue, South Africa ~72: David Cameron~

2026/02829 ~ Provisional ~54:INTERLOCKING MODULAR CONSTRUCTION SYSTEM COMPRISING CAST STRUCTURAL POLYURETHANE FOAM BUILDING ELEMENTS WITH STUD-AND-SOCKET FRICTION-FIT ASSEMBLY GEOMETRY, INTEGRATED BUILDING SERVICES ROUTING THROUGH CHANNEL BRICK VARIANTS, RING BEAM LOAD DISTRIBUTION THROUGH UCHANNEL TOP COURSE, FOUNDATION ANCHOR INTERFACE WITH CAST-IN STUDS, CHEMICAL FUSION BONDING FOR MONOLITHIC WALL CONVERSION, DUAL-LAYER NON-TOXIC PROTECTIVE COATING, AND COMMUNITY SCALE MICRO-FACTORY PRODUCTION MODEL ~71:Bhevin Lux Collective (Pty) Ltd, 78 Marula Circle, Trenance Park, South Africa ~72: Pravin Rathan Singh~

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2026/02894 ~ Complete ~54:HEAT STABILIZED COMBINATIONS OF ONE OR MORE ALKYLAMIDOTHIAZOLES AND ß-TOCOPHEROL AND COSMETIC PREPARATIONS CONTAINING SUCH COMBINATIONS ~71:BEIERSDORF AG, Beiersdorfstraße 1 - 9, HAMBURG 22529, GERMANY, Germany ~72: BREITKREUTZ, Sabrina;CHEN, Hanjun;LI, Na;LUAN, Luan;MEYER, Melina;WANG, Lu~ 33:IB ~31:2023/140496 ~32:21/12/2023

2026/02903 ~ Complete ~54:ALISERTIB AND PACLITAXEL FOR TREATING SMALL CELL LUNG CANCER ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-Chome, Chuo-ku, Osaka-shi, Osaka, 5408645, Japan ~72: ALAN AUERBACH;HUIFENG NIU~ 33:US ~31:63/587,628 ~32:03/10/2023

2026/02910 ~ Complete ~54:MULTIPLE ACCESS RADAR ~71:JACOBS, Ockert Botha, 20 Mont Blanc, Flufftail close, South Africa ~72: JACOBS, Ockert Botha~ 33:ZA ~31:2023/08345 ~32:30/08/2023

2026/02911 ~ Complete ~54:METHODS AND COMPOSITIONS FOR IMPROVING CROP YIELD TRAITS ~71:MONSANTO TECHNOLOGY LLC, 800 North Lindbergh Boulevard, St. Louis, United States of America;PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of

America ~72: DAI, Shunhong;O'CONNOR, Devin Lee;SLEWINSKI, Thomas Louis;SPINDEL, Jen;ZHANG, Xiaoyu~ 33:US ~31:63/589,327 ~32:11/10/2023

2026/02864 ~ Provisional ~54:A SPRAYABLE COATING COMPOSITION FOR APPLICATION TO AN ORAL APPLIANCE ~71:JOLENE VENTER, 26 SELWYN ROAD, 4 YORK WAY, South Africa;PETRUS CORNELIUS VERMEULEN, 26 SELWYN ROAD, 4 YORK WAY, South Africa ~72: JOLENE VENTER;PETRUS CORNELIUS VERMEULEN~

2026/02870 ~ Complete ~54:AN ENVIRONMENT ADAPTIVE TRAFFIC CONTROL SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHU, Huiqing;CUI, Yingying;LI, Rongrong;LIU, Yanyan;WEI, Yannan;YANG, Chuande;YUAN, Yanzhao;ZHANG, Lei;ZHAO, Yong~

2026/02872 ~ Complete ~54:HARPADON NEHEREUS FLOSS PREPARED BY MICROWAVE-ASSISTED HOT AIR DRYING AND VACUUM FRYING AND PREPARATION METHOD THEREOF ~71:ZHEJIANG BIYANG YOUXIAN FOOD CO., LTD., Yingbin Industrial Zone, Songmen Town, Wenling City, Taizhou City, People's Republic of China;ZHEJIANG GONGSHANG UNIVERSITY, No. 18, Xuezheng Street, Baiyang Sub-district, Qiantang District, Hangzhou City, People's Republic of China ~72: CAI, Wenqiang;CHEN, Yuewen;HU, Jianbo;HU, Jianxia;LONG, Yongjie;MAO, Junlong;MAO, Yiting;NI, Yishu;YUAN, Yanwei~

2026/02882 ~ Complete ~54:AN ARDUINO BASED SYSTEM FOR AUTOMATIC AND CONTACTLESS WASTE DISPOSAL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad;CHAVHAN, Pranali G;KHANZODE, Nimisha Manoj;KHEDLEKAR, Nirgun Nitin;KOTHARI, Rohit Jitendra~

2026/02890 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING MARALIXIBAT AND USES THEREOF ~71:MIRUM PHARMACEUTICALS, INC., 989 E Hillsdale Blved., Suite 300, United States of America ~72: VED, Parag~

2026/02902 ~ Complete ~54:SPIROCYCLIC MTA-COOPERATIVE PRMT5 INHIBITOR ~71:PHARMAENGINE, INC., 11F, 10 Minsheng E. Road, Sec. 3, Taipei 104 Taiwan, People's Republic of China ~72: BIN CHEN;CHENG-HAO LIU;GUANGPING DONG;HONG-REN WANG;JIANFENG MOU;LONG-ZHI LIN;PEIYU ZHANG;QINGFANG YU;TONG WANG;XINLI DUAN;YAYU CHEN~ 33:CN ~31:202311032659.0 ~32:16/08/2023

2026/02904 ~ Complete ~54:ALC1 INHIBITORS FOR USE IN TREATING CANCER BY POTENTIATING THE EFFECTS OF SEVERAL CLASSES OF APPROVED CANCER DRUGS ~71:EISBACH BIO GMBH, Am Klopferspitz 19, 82152, Martinsried, Germany ~72: ADRIAN SCHOMBURG;KATHARINA SAHIRI;WILLIAM M MENZER~ 33:EP ~31:23205931.1 ~32:25/10/2023;33:EP ~31:23207212.4 ~32:31/10/2023;33:EP ~31:24185254.0 ~32:28/06/2024

2026/02914 ~ Provisional ~54:TORQUERING – SIMULTANEOUS MULTI-BOLT TORQUE TOOL ~71:Senzo Comfort Mashale, 6th & 11th Road Unit 53 Sherwood Complex Noordwyk, South Africa ~72: Senzo Comfort Mashale~

2026/02859 ~ Provisional ~54:INTEGRATED HARMONIC ENERGY INFRASTRUCTURE SYSTEM FOR PRODUCTION, STORAGE, AND CONVERSION OF HYDROGEN-DERIVED FUELS /DISTRIBUTED MULTI-FUEL ENERGY INFRASTRUCTURE SYSTEM FOR CHEMICAL FUEL PRODUCTION AND ELECTRICAL POWER GENERATION ~71:Damon S Reaves, 2626 East Monument Street, Baltimore, Maryland, 21205, United States of America ~72: Mr.Damon S Reaves~

2026/02860 ~ Provisional ~54:METHOD OF PRODUCING A COSMETIC PRODUCT ~71:Jiyana & Associates, 9th Floor Atrium on 5th, 5th Street,, South Africa ~72: Brian Malambo;Rachel Jiyana~

2026/02869 ~ Complete ~54:CUTTING DISC ARRANGEMENT FOR A SEED OR FERTILIZER DELIVERY SYSTEM ~71:AGCO DO BRASIL SOLUÇÕES AGRÍCOLAS LTDA, Avenida José Alves de Oliveira, nº 3000, Galpão 15 - Porta lateral 2, Brazil ~72: CUNHA, Venicius Damo;DE GODOY, Rafael;MATTER, Jarlis Luiz~ 33:GB ~31:2506423.9 ~32:28/04/2025

2026/02877 ~ Complete ~54:METHOD FOR DISTINGUISHING ORE DEPOSIT TYPES BY USING MACHINE LEARNING AND SPHALERITE TRACE ELEMENTS ~71:Kunming University of Science and Technology, No. 68 Wenchang Road, No. 121 Street, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: CHEN, Zhongyuan;GUAN, Shenjin;REN, Tao;SUN, Long;ZHANG, Quan;ZHAO, Dong~ 33:CN ~31:202510598659.X ~32:09/05/2025

2026/02883 ~ Complete ~54:A VENTILATION AND AIR PURIFICATION SYSTEM WITH INTEGRATED OCCUPANCY AND ENVIRONMENTAL SENSING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Prasad;CHAVHAN, Pranali G;KULKARNI, Sumedha Sudhakar;KUSHWAHA, Sumit Jainath;LALWANI, Parth Anand;MORE, Swanand Prashant~

2026/02909 ~ Complete ~54:MULTI-LINK OPERATION IN WIRELESS NETWORKS ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BOON LOONG NG;PESHAL NAYAK;RUBAYET SHAFIN;VISHNU VARDHAN RATNAM~ 33:US ~31:63/532,574 ~32:14/08/2023;33:US ~31:18/787,999 ~32:29/07/2024

2026/02871 ~ Complete ~54:BENEFICIATION METHOD FOR FINE-GRAINED CYANIDE TAILINGS ~71:Beijing Research Institute of Chemical Engineering and Metallurgy, No. 145 Jiukeshu, Tongzhou District, Beijing, 101149, People's Republic of China;China Nuclear Mining Science and Technology Corporation, No. 145 Jiukeshu, Tongzhou District, Beijing, 101149, People's Republic of China ~72: Chen ZHANG;Chunfeng LI;Guang LI;Jia MA;Shouxun ZHANG;Xianming HOU;Yuhui TIAN;Zhuo LI~ 33:CN ~31:202510314412.0 ~32:17/03/2025

2026/02873 ~ Complete ~54:PREPARATION METHOD AND USE OF ANTI-AGING FERMENTATION EXTRACT ~71:MA YONGJUN, No. 156 Jinshan West Erli International Villa, Huli District, Xiamen City, People's Republic of China ~72: MA, Yongjun~

2026/02889 ~ Complete ~54:HIGH BENDABILITY PRESS-HARDENED STEEL PART AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Clément PHILIPPOT~ 33:IB ~31:PCT/IB2023/062112 ~32:01/12/2023

2026/02891 ~ Complete ~54:REAL-TIME CLOCK CIRCUIT, INTEGRATED CIRCUIT, ELECTRONIC DEVICE, AND DESIGN METHOD ~71:SHANGHAI RAYSTAR MICROELECTRONICS TECHNOLOGY CO., LTD., Room 3A01, Building 1, No. 18 Fangsi Road Songjiang District,, People's Republic of China ~72: FANG, Yue;HUANG, Daliang;MA, Huaichang;MAO, Xin~ 33:CN ~31:202311338549.7 ~32:17/10/2023

2026/02898 ~ Complete ~54:INHIBITING HUMAN INTEGRIN A4B7 ~71:MORPHIC THERAPEUTIC, INC., Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BABAOGLU, Kerim;BUCKMELTER, Alex;BURSAVICH, Matthew;CHEN, Yang-Ting;DOWLING, James E.;HARRISON, Bryce;HICKEY, Eugene;HOUANG, Evelyne;KONZE, Kyle;LELOUP, Nadia;LIN, Fu-yang;LIPPA, Blaise;MCTEAGUE, Thomas Andrew;MONDAL, Prolay;MONROY, Meghan;QIAO, Qi;RAFI, Salma;SVENSSON, Mats;TROAST, Dawn;ZHONG, Cheng~ 33:US ~31:63/583,193 ~32:15/09/2023;33:US ~31:63/687,191 ~32:26/08/2024

2026/02907 ~ Complete ~54:DEGRADABLE, BRANCHED LIPID COMPOUNDS, METHODS OF PREPARATION THEREOF, LIPID NANOPARTICLES (LNPS) COMPRISING THE SAME, AND METHODS OF USE THEREOF ~71:THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, 3600 Civic Center Boulevard, 9th Floor, Philadelphia, Pennsylvania, 19104, United States of America ~72: MICHAEL J MITCHELL;XUEXIANG HAN~ 33:US ~31:63/581,832 ~32:11/09/2023

2026/02913 ~ Provisional ~54:SECURETRACE DECODER SYSTEM:AN ADAPTIVE TAMPER-RESISTANT DECODER WITH EMBEDDED KEY TRACING NETWORK AND QUANTUM MECHANICS ENHANCEMENTS FOR PREVENTING PIRACY IN PAY-TV AND STREAMING SERVICES ~71:PHEHELLO MOLISE CONSULTANTS (PTY) LTD REG 2024/208180/07, 1582 ZONE 10, SEBOKENG,, South Africa ~72: MTITITI JOSEPH MALELE;PHEHELLO JANIE LUKAS MOLISE~

2026/02895 ~ Complete ~54:PDE1 INHIBITORS ~71:ELI LILLY AND COMPANY, Lilly Corporate Centre, INDIANAPOLIS 46285, IN, USA, United States of America ~72: JOHNSTON, Richard D;RULEY, Kevin Michael~ 33:US ~31:63/582,662 ~32:14/09/2023

2026/02900 ~ Complete ~54:CONJUGATES COMPRISING CLEAVABLE LINKERS ~71:ASTRAZENECA AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: BEADLE, Jonathan David;COCCO, Mattia;GALAN COCA, Albano;GOUNDRY, William Robert Fraser~ 33:US ~31:63/519,567 ~32:15/08/2023;33:US ~31:63/673,817 ~32:22/07/2024

2026/02868 ~ Complete ~54:IMAGE-BASED VISIBLE FAULT DETECTION METHOD FOR PHOTOVOLTAIC MODULES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: GUO Junji;LI Wei;LIU Zhiqing;REN Yixin;WANG Chaoyong;ZHANG Renqi~

2026/02865 ~ Provisional ~54:PEDOLOGY MUILT SENSOR ~71:Caroline Matsatsi Matenchi, 50 Vergelegen street, 154 Mikkadesh Witprootijie, South Africa ~72: Caroline Matsatsi Matenchi~ 33:ZA ~31:2026/03/12 ~32:12/03/2026

2026/02876 ~ Complete ~54:SYSTEM AND METHOD FOR DETERMINING CONSTITUTION OF DETECTED VEHICLE AS AUXILIARY OR SEPARATE VEHICLE ~71:TRANSPORTATION IP HOLDINGS, LLC, 901 Main Avenue, NORWALK 16851, CT, USA, United States of America ~72: SAXENA, Amit~ 33:US ~31:19/079,869 ~32:14/03/2025

2026/02901 ~ Complete ~54:METHODS OF TREATING EPILEPSY AND RELATED DISORDERS WITH POTENT AND SELECTIVE POTASSIUM CHANNEL ACTIVATORS ~71:BIOHAVEN THERAPEUTICS LTD., Kingston Chambers, P.O. BOX 173, ROAD TOWN VG1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British) ~72: AWSARE, Bharat;BOZIK, Michael E.;DWORETZKY, Steven I.;QURESHI, Irfan~ 33:US ~31:63/583,020 ~32:15/09/2023;33:US ~31:63/597,747 ~32:10/11/2023;33:US ~31:63/652,365 ~32:28/05/2024;33:US ~31:63/688,094 ~32:28/08/2024

2026/02908 ~ Complete ~54:ML RECONFIGURATION AND TID-TO-LINK MAPPING PROCEDURES ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BOON LOONG NG;PESHAL NAYAK;RUBAYET SHAFIN;VISHNU VARDHAN RATNAM~ 33:US ~31:63/532,563 ~32:14/08/2023;33:US ~31:18/791,190 ~32:31/07/2024

2026/02862 ~ Provisional ~54:SMART BUILD – INTEGRATED DIGITAL CONSTRUCTION PROCUREMENT AND PROJECT MANAGEMENT PLATFORM ~71:MBALI MKHIZE, 12 Mount Fletcher Street, Paulshof, Sandton, 2157, South Africa ~72: MBALI MKHIZE~

2026/02866 ~ Complete ~54:OPTIMIZATION METHOD FOR LOGISTICS TRANSPORTATION SCHEDULING BASED ON TRAFFIC BIG DATA ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: LI Rongrong;LIU Lihua;LIU Yanyan;LU Dan;WANG Chunli~

2026/02880 ~ Complete ~54:REUSABLE MULTI-DOSE, VARIABLE DOSE, SINGLE PEN INJECTOR FOR TYPE 2 DIABETES AND WEIGHT MANAGEMENT ~71:ZYDUS LIFESCIENCES LIMITED, Zydus Corporate Park, Scheme No. 63, Survey No. 536, Khoraj (Gandhinagar), India ~72: KANNAN, Muthaiyyan Essakimuthu;KUMAR, Saurabh;NAHATA, Tushar Surajmal;SINGH, Debjani Manoj;WAGH, Yogesh Keda~ 33:IN ~31:202221032778 ~32:08/06/2022

2026/02863 ~ Provisional ~54:SYSTEM AND METHOD FOR CRICKET BAT PERFORMANCE ANALYSIS ~71:RHODES UNIVERSITY, Drosty Road, GRAHAMSTOWN 6139, Eastern Cape, SOUTH AFRICA, South Africa ~72: CHRISTIE, Prof. Candice;GOODENOUGH, Luke;POTE, Dr. Lee;YOUTHED, Andy~

2026/02867 ~ Complete ~54:NON-DESTRUCTIVE TESTING DEVICE FOR DEFECTS IN REINFORCED CONCRETE STRUCTURES ~71:Zunyi Vocational and Technical College, Changzheng Avenue, University Town, Xinpu New District, Zunyi City, Guizhou Province, People's Republic of China ~72: JIANG Xi;LIU Bing;ZHU Chongli~

2026/02874 ~ Complete ~54:IDENTIFICATION AND APPLICATION OF HAP1 GENOTYPE OF SPSB GENE ~71:YUNNAN ACADEMY OF AGRICULTURAL SCIENCES SUGARCANE RESEARCH INSTITUTE, No. 363, Lingquan East Road, Kaiyuan City, Honghe Prefecture, People's Republic of China ~72: CHEN, Shengxian;KONG, Chunyan;LI, Chunjia;LI, Xujuan;LIN, Xiuqin;LIU, Hongbo;LIU, Xinlong;LU, Xin;MAO, Jun;XU, Chaohua~

2026/02878 ~ Complete ~54:MODULAR RETAIL SHELF EDGE SYSTEMS AND METHODS ~71:H & A Manufacturing (Pty) Ltd, Unit 1-4 Old Mill Park, 15 Sucrose Crescent, Mount Edgecombe, Durban, SOUTH AFRICA, South Africa ~72: SHELL, Trevor Raymond~ 33:ZA ~31:2024/09623 ~32:13/12/2024

2026/02886 ~ Complete ~54:AN IOT BASED SHELF INVENTORY MONITORING AND REFILL ALERT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Pallavi;GHULE, Gauri;RATNAPARKHI, Archana;SABADE, Shailesh Vishnu;SANGOLE, Sarvajit Pravin;SAPKAL, Shivam Sachin~

2026/02888 ~ Complete ~54:REUSABLE DEVICE FOR COOKING A PUFFED FOOD PRODUCT ~71:BERTHAULT, François, 70 AVENUE DE BORDEAUX, F-17240 SAINT GENIS DE SAINTONGE, FRANCE, France ~72: BERTHAULT, François~ 33:FR ~31:FR2309700 ~32:14/09/2023;33:EP ~31:PCT/EP2024/051501 ~32:23/01/2024

2026/02893 ~ Complete ~54:MYST INHIBITORS ~71:ISOSTERIX, INC., 237 Clifton Ave., SAN CARLOS 94070, CA, USA, United States of America ~72: HOLSINGER, Leslie J.;PANDEY, Anjali;RAI, Roopa~ 33:US ~31:63/585,817 ~32:27/09/2023;33:US ~31:63/558,419 ~32:27/02/2024;33:US ~31:63/655,961 ~32:04/06/2024

2026/02906 ~ Complete ~54:COMPOSITIONS AND METHODS FOR T CELL TARGETED EXTRAHEPATIC DELIVERY OF THERAPEUTIC AGENTS ~71:THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, 3600 Civic Center Boulevard, 9th Floor, Philadelphia, Pennsylvania, 19104, United States of America ~72: MARGARET M BILLINGSLEY;MICHAEL J MITCHELL~ 33:US ~31:63/581,876 ~32:11/09/2023

2026/02875 ~ Complete ~54:ROTOR DISC DEVICE FOR REPELLING GRINDING MEDIA FOR AN AGITATOR SYSTEM AS WELL AS AN AGITATOR SYSTEM FOR MECHANICAL ACTIVATION AND/OR GRINDING OF ORGANIC AND/OR INORGANIC SUBSTANCES AND/OR MIXTURES OF SUBSTANCES IN CHEMICAL, PHARMACEUTICAL, FOOD AND/OR BUILDING MATERIALS APPLICATIONS ~71:NETZSCH-FEINMAHLTECHNIK GMBH, Sedanstraβe 70, SELB 95100, GERMANY, Germany ~72: COSTA, Xavier;SIMON, Claus;STOLZ, Mario~ 33:DE ~31:10 2025 109 776.3 ~32:14/03/2025

2026/02884 ~ Complete ~54:HEAVY OIL DETERGENT AND PREPARATION METHOD THEREFOR ~71:Guangdong Zhenjian Biotechnology Co., Ltd., Room 501, No.1, Xinliyuan 2nd Street, Xinzao Town, Panyu District, Guangzhou City, Guangdong Province, 511436, People's Republic of China ~72: LIU Zhenhua~

2026/02885 ~ Complete ~54:A COMPREHENSIVE QUALITY ASSESSMENT SYSTEM FOR PRE-PRIMARY EDUCATIONAL INSTITUTIONS ~71:BANGALE, Jaya Ravindra, VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI, MAHARASHTRA, India;BHALERAO, Veena Sakharam, VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI, MAHARASHTRA, India;DESETTY, Ramana Venkatadri, VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI, MAHARASHTRA, India;GAWALE, Pratiksha Tukaram, VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI, MAHARASHTRA, India ~72: BANGALE, Jaya Ravindra;BHALERAO, Veena Sakharam;DESETTY, Ramana Venkatadri;GAWALE, Pratiksha Tukaram~

2026/02892 ~ Complete ~54:GLUE-FREE MATTRESS CONSTRUCTION ~71:MADAD PTY LTD, 1299 Boundary Road, WACOL 4076, QUEENSLAND, AUSTRALIA, Australia ~72: GREEN, Daniel;RICKERT, Daniel~ 33:AU ~31:2023902586 ~32:15/08/2023

2026/02896 ~ Complete ~54:ADAPTER TO EXCAVATOR LIP MOUNTING WITH ENHANCED SERVICE LIFE ~71:BLACK CAT WEAR PARTS, LTD., 5604 59TH STREET, EDMONTON T6B 3C3, ALBERTA, CANADA, Canada ~72: RUVANG, John A.~ 33:US ~31:18/468,511 ~32:15/09/2023

2026/02897 ~ Complete ~54:ELSUNERSEN / PRAX-222 FOR USE IN THE TREATMENT OF SCN2A-RELATED DISORDERS ~71:PRAXIS PRECISION MEDICINES,INC., 99 High Street, 30th Floor, BOSTON 02110, MA, USA, United States of America ~72: HARD, Marjie;MOTEL, William;WYANT, Alyssa~ 33:US ~31:63/538,713 ~32:15/09/2023;33:US ~31:63/542,017 ~32:02/10/2023;33:US ~31:63/604,103 ~32:29/11/2023;33:US ~31:63/651,681 ~32:24/05/2024;33:US ~31:63/672,118 ~32:16/07/2024;33:US ~31:63/686,359 ~32:23/08/2024;33:US ~31:63/689,297 ~32:30/08/2024

2026/02905 ~ Complete ~54:METHOD FOR DETERMINING A HEALTH STATUS OF AN OIL CIRCUIT OF AN OIL-INJECTED COMPRESSOR ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: HANS VANDE SANDE;MICHEL HILLEN;PHILIPPE GEUENS~ 33:BE ~31:BE20235902 ~32:31/10/2023

2026/02912 ~ Complete ~54:FORMULATION FOR IMPROVING SWEETNESS OF THE RARE SUGARS WITHOUT ALTERING THE TEXTURE AND FLAVOUR AND TO THE METHOD THEREOF ~71:FERTIS INDIA PVT. LTD, 6-3-668/10/56, Plot No 56, 1st Floor, Durga Nagar Colony, Punjagutta Hyderabad,, Telangana,, 500082, India ~72: KANUMURU, Rahul Raju~ 33:IN ~31:202341010310 ~32:16/08/2023

2026/02861 ~ Provisional ~54:SYSTEM AND METHOD FOR PORTABLE, INDIVIDUAL-OWNED VERIFICATION OF APPLIED HUMAN CAPITAL OVER TIME ~71:Itumeleng Motaung, 132 Moseu Street Moseleke, South Africa;Ntokozo Elsie Dlamini, 16 Nonyana Street Monise, South Africa ~72: Itumeleng Motaung;Ntokozo Elsie Dlamini~

2026/02879 ~ Complete ~54:METHOD FOR ANALYZING DUCTILITY INDICATORS OF METALLIC MATERIALS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: MA Xingtao;YAN Jiahe;ZHU Wenjie~

2026/02881 ~ Complete ~54:A METHOD FOR RAPID ESTIMATION OF REGIONAL WINTER WHEAT YIELD BASED ON CROP GROWTH MODEL AND MULTI-SOURCE REMOTE SENSING ASSIMILATION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHANG Li;LIU Yuhong;LIU Zhan;LU Chunyang;MA Zhanlin;WEN Feng;YIN Shouqiang;ZHANG Yinglei~

2026/02887 ~ Complete ~54:AEROSOL-GENERATING SYSTEM AND AEROSOL-GENERATING DEVICE WITH A RESISTIVE AND AN INDUCTIVE HEATING ARRANGEMENT ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BAUDET, Larry Sacha;MIRONOV, Oleg;PIJNENBURG, Johannes Petrus Maria;PLUN, Jennifer Ernestine Emma;RIARIO, Stefano~ 33:EP ~31:23192519.9 ~32:21/08/2023;33:EP ~31:23200598.3 ~32:28/09/2023;33:EP ~31:23212449.5 ~32:27/11/2023

2026/02899 ~ Complete ~54:COMPOUND AZD5462 FOR USE IN THE TREATMENT OF HEART FAILURE ~71:ASTRAZENECA AB, SÖDERTÄLJE 15185, SWEDEN, Sweden ~72: BERGSTRÖM, Hans Fredrik;BHATTACHARYA, Chandrali S.;CONNOLLY, Kathleen Marie;KHAN, Anis Ahmed;PETTERSEN, Daniel Tor;ROSENMEIER, Jaya Birgitte;RYBERG, Erik;SUNDELIN, Jeanna;TURTON, Michelle Juliet;ÅSTRAND, Magnus~ 33:US ~31:63/519,654 ~32:15/08/2023;33:US ~31:63/555,454 ~32:20/02/2024

. - APPLIED ON 2026/03/16 -

2026/02979 ~ Provisional ~54:AERIAL DRONE LAUNCH PLATFORM ~71:Sealan Lingham, 1 nirvana drive, South Africa ~72: Sealan Lingham~

2026/02916 ~ Provisional ~54:INTEGRATED CLOUD-BASED SELF-TAPE AUDITION PLATFORM WITH AI SCENE PARTNER, MULTI-ROLE WORKFLOW MANAGEMENT, AND DIRECT CASTING SUBMISSION SYSTEM ~71:Thabang Tswai, 343 20TH AVENUE, South Africa ~72: Mathunzi McDonalds;Thabang Tswai~

2026/02924 ~ Provisional ~54:HIGH-POWER ELECTROMAGNETIC PULSE GENERATOR EMPLOYING A DIELECTRIC-LOADED CAPACITIVE ANTENNA WITH SWITCHED-DISCHARGE RADIATION MECHANISM ~71:Medium Voltage Technologies (Pty) Ltd, 55 Ring road, South Africa ~72: Andries Herculus Putter~

2026/02927 ~ Provisional ~54:AUTOMATED COOKING SYSTEM AND APPLIANCE FOR PREPARING JOLLOF RICE AND SIMILAR RICE-BASED DISHES ~71:Alo Adesoji Abayomi, Unit 1. Fairfield Village. 99 Bloulillie Crescent, South Africa;Innovatelid Pty Ltd, Unit 1. Fairfield Village. 99 Bloulillie Crescent. Sinoville., South Africa ~72: Alo Adesoji Abayomi;Innovatelid Pty Ltd~

2026/02939 ~ Provisional ~54:LEYN - EIGENMODE-STABILIZED RESONANT STRUCTURE (ESRS) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02941 ~ Provisional ~54:LEYN - QUANTUM-GRADE SUPERCONDUCTING EIGENMODE CAVITY (QGSEC) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02946 ~ Provisional ~54:LEYN - GRID RE-ENTRY STABILIZATION ARCHITECTURE (GRSA) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02950 ~ Provisional ~54:LEYN - SOLAR ARRAY ENERGY CONDITIONING ARCHITECTURE (SAECA) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02954 ~ Provisional ~54:LEYN - LEYNSTRINSIC ENGINEERING SOFTWARE PLATFORM - EIGENMODE DESIGN ENGINE (LESP-EDE) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02958 ~ Complete ~54:AUTOMATIC WINDING DEVICE FOR POWER TRANSFORMER PRODUCTION ~71:SHANDONG XUNCHI ELECTRIC CO., LTD., No. 1, East Zone, Dachi Company Yard, Beihuan Road, Yongchang Subdistrict Office, Chengwu County, Heze, Shandong, 274200, People's Republic of China ~72: CHEN, Meiying;GUO, Wentao;HUANG, Rushuai;LI, Wei;LI, Xianliang;LIU, Mingguang;LIU, Yushun~ 33:CN ~31:202511442920.3 ~32:10/10/2025

2026/02964 ~ Complete ~54:LITHIUM-RICH CATION-DISORDERED ROCKSALT POSITIVE ELECTRODE MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 68, Wenchang Road, Yieryi First Street, Wuhua District, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: LI Linhui;LIU Jintao;XIAO Jie;YANG Keqiang;ZENG Xiaoyuan;ZHANG Yanjia;ZHOU Huangkai~ 33:CN ~31:2026101329748 ~32:30/01/2026

2026/02975 ~ Complete ~54:ANTIBODIES TARGETING RANKL AND SCLEROSTIN AND USES THEREOF ~71:SINOMAB BIOSCIENCE LIMITED, Units 303 and 305 to 307, No.15 Science Park West Avenue, Hong Kong Science Park, Pak Shek Kok, New Territories,, Hong Kong, People's Republic of China ~72: CHI HO CHONG;PANG SUM CHIU;SHUI ON LEUNG~ 33:US ~31:63/520,102 ~32:17/08/2023

2026/02921 ~ Provisional ~54:NON-CONTACT REUSABLE CAPNOGRAPH ~71:Shamai Saltsberger, 22 Degel Reuven st., Petah Tikva, Israel;Todd Zalut, 14 HaGoel St., Efrat, Israel;Yoel Arieli, 14 b Rabi Meir st., Jerusalem, 9318538, Israel ~72: Shamai Saltsberger;Todd Zalut;Yoel Arieli~

2026/02935 ~ Provisional ~54:LEYN - EIGENMODE-ENGINEERED CONDUCTIVE MATERIAL FOR LOW-LOSS ELECTROMAGNETIC SYSTEMS (ECM-LES) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02951 ~ Provisional ~54:LEYN - SOLAR ARRAY ENERGY CONDITIONING ARCHITECTURE - COMPONENT ENERGY CONDITIONING SYSTEM (SAECA-A) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02956 ~ Provisional ~54:EIGENMODE-CONTROLLED PCB TRACE AND COMPONENT LAYOUT ARCHITECTURE FOR AUTONOMOUS SENSOR POWER SYSTEMS (EPTCLA-ASPS) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02963 ~ Complete ~54:A STRUCTURE COMPRISING AT LEAST TWO STRUTS INTERCONNECTED AT A NODE ~71:VALL ESTRUCTURES, S.L., Polig Industrial Les Verdunes P8, Spain ~72: ARENAS GONZALEZ, Ruben Dario;VALL DALMAU, Carles~ 33:ES ~31:U 202531165 ~32:16/06/2025

2026/02974 ~ Complete ~54:REVERSE SHOULDER PROSTHESIS AND RELATED METHODS ~71:SKELETAL DYNAMICS, INC., 7300 N. Kendall Drive, Suite 400, Miami, Florida, 33156, United States of America ~72: FRANCISCO RUBIO;JORGE ORBAY;JUERGEN KORTENBACH;ROBERT SIXTO~ 33:US ~31:63/581,796 ~32:11/09/2023

2026/02972 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INFESTATION OF PLANTS BY INSECTS ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GABERTHUEEL, Matthias;IVACIC, Damir~ 33:EP ~31:23201522.2 ~32:04/10/2023;33:EP ~31:23215350.2 ~32:08/12/2023

2026/02917 ~ Provisional ~54:CAUSAL DAG DISCOVERY FOR CODE QUALITY ANALYSIS VIA GFLOWNET ENSEMBLE WITH TIME-SERIES INTEGRATION ~71:Reuben Burls, Sunset Place Farm, R326 Road, South Africa ~72: Reuben Burls~

2026/02922 ~ Provisional ~54:SYSTEM UNIFIED OUTPUT LOGIC (SOUL) FOR AUTHORITY-GOVERNED EXECUTION IN AUTONOMOUS AND DISTRIBUTED COMPUTING SYSTEMS ~71:Third Vision AI, 1 Breakwater Boulevard, South Africa ~72: Erwin Coleman;Jayden Rejji;Jayshree Mallaya~

2026/02926 ~ Provisional ~54:RISE-ROTARY INTERNAL STEAM ENGINE AND ENERGY CONVERSION SYSTEM ~71:Mirko Kapikul, 211 Lavender Close, South Africa ~72: Mirko Kapikul~

2026/02928 ~ Provisional ~54:AI-MANAGED LEARNER PRIORITY TRANSPORT CORRIDOR SYSTEM AND METHOD ~71:ScholarRide (Pty) Ltd, 13 La Provence, Sikerboisse Street, South Africa ~72: Ziphozihle Moyeni~

2026/02930 ~ Provisional ~54:DUST CONTROL SHOOT FOR CHICKEN LITTER CONVEYOR BELT ~71:Ruan, Skuinsdrift, South Africa ~72: Ruan~

2026/02933 ~ Provisional ~54:LEYN - ADAPTIVE RESONANT SURFACE PLATFORM (ARSP) ~71:JoQuin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02937 ~ Provisional ~54:LEYN - EIGENMODE-STABILIZED OSCILLATOR GEOMETRY PLAN (ESOGP) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02982 ~ Provisional ~54:TAILGATE SEALING SYSTEM FOR VEHICLE LOAD BIN ~71:Rohan Swanepoel, 170 francolin st, Doornpoort, South Africa ~72: Rohan Swanepoel~

2026/02920 ~ Provisional ~54:STOCK COUNT INNOVATION ~71:Joshua Muthusamy, 11 Tynegate Close, Southgate, Phoenix, 4068, South Africa ~72: Joshua Muthusamy~ 33:WO ~31:N/A ~32:14/03/2026

2026/02925 ~ Provisional ~54:AGENT-NATIVE PROCESSOR FOR HARDWARE-ACCELERATED INTENT PROCESSING, CRYPTOGRAPHIC PROVENANCE, AND AGENT LIFECYCLE MANAGEMENT ~71:Kernela (Pty) Limited, 1 Wedgewood Link Road, Bryanston, South Africa ~72: Msomi, Lungelo Terrance Siphiwo;Msomi, Madumetsa Zamindlela~

2026/02929 ~ Provisional ~54:STEAMPOD – PORTABLE STEAM-BASED HEATING SYSTEM FOR LIQUIDS AND FOOD ~71:Zvakaitwanashe Togara Nhando, 12 Buren street Avondale Parow, South Africa ~72: Zvakaitwanashe Togara Nhando~

2026/02947 ~ Provisional ~54:LEYN - INVERTER ENDURANCE STABILIZATION ARCHITECTURE (IESA) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02952 ~ Provisional ~54:LEYN - SOLAR ARRAY ENERGY CONDITIONING ARCHITECTURE - INTELLIGENT ELECTRICAL ENERGY CONTROL SYSTEM (SAECA-B) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02955 ~ Provisional ~54:LEYN - EIGENMODE-CONTROLLED PCB TRACE LAYOUT AND COMPONENT PLACEMENT ARCHITECTURE (EPTLA) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02959 ~ Complete ~54:OIL LEAKAGE DETECTION DEVICE FOR TRANSFORMER OIL USED IN OIL-IMMERSED TRANSFORMER ~71:SHANDONG XUNCHI ELECTRIC CO., LTD., No. 1, East Zone, Dachi Company Yard, Beihuan Road, Yongchang Subdistrict Office, Chengwu County, Heze, Shandong, 274200, People's Republic of China ~72: HUANG, Rushuai;LI, Wei;LI, Xianliang;LIU, Fen;LIU, Mingguang;LIU, Yushun;ZHU, Heping~ 33:CN ~31:202511910956.X ~32:17/12/2025

2026/02962 ~ Complete ~54:INTELLIGENT PRICING AND DYNAMIC REVENUE MANAGEMENT OPTIMIZATION SYSTEM ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: HAN Zongyuan;HE Yawei~

2026/02970 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INFESTATION OF PLANTS BY PHYTOPATHOGENIC FUNGI ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GABERTHUEEL, Matthias;IVACIC, Damir~ 33:EP ~31:23201518.0 ~32:04/10/2023;33:EP ~31:23206312.3 ~32:27/10/2023

2026/02918 ~ Provisional ~54:AGENTIC RISK SCHEDULE (ARS): A MACHINE-READABLE GOVERNANCE AND ACCOUNTABILITY CONTROL SYSTEM FOR AUTONOMOUS AND SEMI-AUTONOMOUS ARTIFICIAL INTELLIGENCE SYSTEMS ~71:Sharné Liebenberg, 3 Mt Cascade, Midlands Estate, Midstream, South Africa ~72: Sharné Liebenberg~

2026/02919 ~ Provisional ~54:STEEL CORTEX: A BODY-WORN REAL-TIME AI INSTRUCTIONAL SYSTEM ~71:Christopher Wepener, 3B Faith St, Claremont, South Africa ~72: Christopher Wepener~

2026/02932 ~ Provisional ~54:AN INTEGRATED MULTILINGUAL AI PHONETIC MAPPING, UNPLUGGED ROBOTICS AND SMART - SOLAR HYDROPONICS EDUCATIONAL ECOSYSTEM ~71:anya ilonka van wyk, mnigcbe, South Africa ~72: anya ilonka van wyk~

2026/02934 ~ Provisional ~54:LEYN - AUTONOMOUS HYBRID EIGENMODE SENSOR POWER CORE (AHESP) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02940 ~ Provisional ~54:LEYN - EIGENMODE-STABILIZED SIGNAL TRANSMISSION LINE (ESSTL) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02945 ~ Provisional ~54:LEYN - BATTERY CHARGE WAVEFORM STABILIZATION ARCHITECTURE (BCWSA) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02953 ~ Provisional ~54:LEYN - SOLAR ARRAY ENERGY CONDITIONING ARCHITECTURE - GRID REGULATION AND ENERGY ROUTING SYSTEM (SAECA-C) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02960 ~ Complete ~54:RAPID EARLY WARNING METHOD FOR CHEMICAL PRODUCT LEAKAGE ~71:SHANDONG XIN GUANG CHEMISTRY CO., LTD., Xinhai Industrial Park, Wudi County, Binzhou, Shandong,

251900, People's Republic of China ~72: BAI, Junjie;CAO, Qibin;SUN, Xuetong;WANG, Bo;XU, Shan;ZHANG, Zhongwei;ZHAO, Hanqing~ 33:CN ~31:202511767396.7 ~32:28/11/2025

2026/02966 ~ Complete ~54:AN INTEGRATED DRIP IRRIGATION CULTIVATION METHOD FOR SUGARCANE ~71:Institute of Nanfan & Seed Industry, Guangdong Academy of Sciences, No. 10, Shiliugang Road, Haizhu District, Guangzhou City, Guangdong Province, People's Republic of China ~72: CHANG Hailong;CHEN Junlv;CHENG Yinjie;LIU Zhuang;WU Jiantao;WU Qiwei;XIE Jing;ZHANG Chuiming;ZHOU Feng~

2026/02976 ~ Complete ~54:PROCESS OF PROVIDING TITANIUM DIOXIDE AND/OR VANADIUM OXIDE ~71:FODERE TITANIUM LIMITED, 12 Hay Hill, London, W1J 8NR, United Kingdom ~72: ALEXANDER NOEL OLD;DOUGLAS MAZWI MUSOWOYA;GOLDEN KALUBA;JANET MUNDUNDU;NACHIKONDE FUMPA;STEPHEN PARIRENYATWA;YOTAMU STEPHEN RAINFORD HARA~ 33:GB ~31:2213557.8 ~32:15/09/2022;33:ZA ~31:2022/10232 ~32:15/09/2022

2026/02923 ~ Provisional ~54:EVOLUTION X ~71:Peter Mc Intyre, 20 Moepel Road, South Africa ~72: Peter Mc Intyre~ 33:ZA ~31:16032026 ~32:15/03/2026

2026/02931 ~ Provisional ~54:AI ANTIHIJACK ~71:David Cameron, 41 Rooigras Avenue, South Africa ~72: David Cameron~ 33:ZA ~31:0844446001 ~32:15/03/2026

2026/02936 ~ Provisional ~54:LEYN - EIGENMODE-STABILIZED OSCILLATOR - ULTRA-PRECISION CLOCK CORE (ESO-UCC) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02981 ~ Provisional ~54:TYRE TO TYRE AIRFLOW RE-INFLATION SYSTEM FOR PNEUMATIC TYRES ~71:Lynette Wright, 18 Dovehouse road, South Africa ~72: L.C.Wright and T.R.Ellis~

2026/02977 ~ Provisional ~54:GENERSLIZED SECURE ELEMENT ARCHITECTURE FOR AI-DRIVEN TRANSACTION AUTHORIZATION ~71:FRANCOIS PIERRE JOUBERT, 521,20th Ave, Rietfontein Pretoria, South Africa ~72: FRANCOIS PIERRE JOUBERT~

2026/02980 ~ Provisional ~54:IRONGUARD ~71:shaun maritz, 25 gys smalberger, South Africa ~72: shaun maritz~

2026/02938 ~ Provisional ~54:LEYN - EIGENMODE-STABILIZED PIEZOELECTRIC RESONATOR (ESPR) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02949 ~ Provisional ~54:LEYN - TRANSIENT MODE CONDITIONING MODULE (TMC-M) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02967 ~ Complete ~54:RESPIRATORY SYNCYTIAL VIRUS F PROTEIN AND USE THEREOF ~71:INSTITUTE OF BIOPHYSICS, CHINESE ACADEMY OF SCIENCES, No. 15, Datun Road, Chaoyang District, Beijing 100101, People's Republic of China;SINOVAC LIFE SCIENCES CO., LTD., No. 21, Tianfu Street, Daxing Biomedicine Industry Base, Zhongguancun Science Park, Daxing District, Beijing 102601, People's Republic of China ~72: FENG, Rui;FU, Wangjun;HU, Yaling;JIANG, Lu;LIU, Desheng;LV, Zhe;QI, Dongmei;WANG, Xiangxi;YUE, Liang;ZHANG, Yan;ZHANG, Yuexiao~ 33:CN ~31:202311154309.1 ~32:07/09/2023

2026/02942 ~ Provisional ~54:LEYN - SMARTPHONE HYBRID EIGENMODE ENERGY MODULE (SHEEM) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02944 ~ Provisional ~54:LEYN - EIGENMODE-ENGINEERED SEMICONDUCTOR TRANSISTOR ARCHITECTURE - COMPUTATIONAL STABILITY CORE - (ESTA-CSC) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02943 ~ Provisional ~54:LEYN - TRANSIENT-ADAPTIVE INVERTER FRONT-END ARCHITECTURE (TAIFE) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02957 ~ Provisional ~54:LEYN – RESONANT ENERGY STORAGE INTERFACE (RESI) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

2026/02961 ~ Complete ~54:DRY-TYPE TRANSFORMER FOR SMART GRID ~71:SHANDONG XUNCHI ELECTRIC CO., LTD., No. 1, East Zone, Dachi Company Yard, Beihuan Road, Yongchang Subdistrict Office, Chengwu County, Heze, Shandong, 274200, People's Republic of China ~72: CHEN, Meiying;GUO, Wentao;HUANG, Rushuai;LI, Wei;LI, Xianliang;LIU, Mingguang;LIU, Yushun~ 33:CN ~31:202511649798.7 ~32:12/11/2025

2026/02965 ~ Complete ~54:CRYSTALLINE SOLIDS OF 3-PALMITOYL-AMIDO-1,2-PROPANEDIOL AND 3-PALMITOYL-AMIDO-2-HYDROXY-1-DIMETHOXYTRIPHENYLMETHYLETHER-PROPANE AND METHODS OF MAKING AND USING THE SAME ~71:GERON CORPORATION, 919 E. Hillsdale Blvd. Suite 250, Foster City, California, 94404, United States of America ~72: JENNIFER E ALBANEZE-WALKER~ 33:US ~31:62/926,810 ~32:28/10/2019

2026/02968 ~ Complete ~54:MODULAR CONSTRUCTION FOR INSTALLATION OF DECORATION ~71:KOUNICKY, Jiri, Zdenka Fibicha 2586/14, Czech Republic ~72: DVORAK, Vladimir Bedrich;KOUNICKY, Jiri~ 33:CZ ~31:PV 2023-319 ~32:21/08/2023

2026/02969 ~ Complete ~54:METHOD OF MANUFACTURING POWDERED MATERIALS BY CONTROLLED SPRAYING OF ATOMS OF A TARGET MATERIAL AND SUBSEQUENT DEPOSITION ON A POWDERED BASE MATERIAL ~71:CO2IN PARTICIPAÇÕES LTDA., Rod. José Carlos Daux 14467, Saco Grande, FLORIANÓPOLIS, SC CEP: 88032-005, BRAZIL, Brazil ~72: EBERHARDT, Dario;FRIEDRICH FEIL, Adriano~ 33:BR ~31:1020230165443 ~32:17/08/2023

2026/02971 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INFESTATION OF PLANTS BY PHYTOPATHOGENIC FUNGI ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GABERTHUEEL, Matthias;IVACIC, Damir~ 33:IB ~31:2023/123090 ~32:04/10/2023

2026/02973 ~ Complete ~54:PARG INHIBITORY COMPOUND ~71:FORX THERAPEUTICS AG, Lichtstrasse 35, 4056 Basel, Switzerland ~72: GILLIAN GILL;JIN TIAN;OLIVIER QUEROLLE;TALBIR KAUR AUSTIN;ULRICH LUECKING~ 33:EP ~31:PCT/EP2023/077341 ~32:03/10/2023

2026/02915 ~ Provisional ~54:NEATCRATE ~71:Masood Jackson, 21 Palmtree court, South Africa ~72: Masood Jackson~

2026/02948 ~ Provisional ~54:LEYN - POWER DELIVERY STABILIZATION ARCHITECTURE (PDSA) ~71:Joquin Leyn Pillay, 2B Kikuyu Road, 76 Manhattan Apartments, Sunninghill, South Africa ~72: Joquin Leyn Pillay~

. - APPLIED ON 2026/03/17 -

2026/02986 ~ Provisional ~54:UNIVERSAL PROPOSAL INTELLIGENCE ENGINE FOR MULTI-INSURER POLICY COMPLIANCE ANALYSIS WITH AUTOMATED RECORD OF ADVICE GENERATION ~71:Sharné Liebenberg, 3 Mt Cascade, Midlands Estate, Midstream, South Africa ~72: Sharné Liebenberg~

2026/02991 ~ Provisional ~54:AN AI-ENABLED SECURE LEARNER TRANSPORT HAND- OVER AND CHAIN-OF-CUSTODY MANAGEMENT SYSTEM ~71:ScholarRide (Pty) Ltd, 13 La Provence, Sikerboisse Street, South Africa;Ziphozihle Moyeni, 13 La Provence, Sikerboisse Street, South Africa ~72: Ziphozihle Moyeni~

2026/02999 ~ Complete ~54:SECURITY SYSTEM ~71:CORINTHIANS AFRICA, 11th Street & Forest Road, La Rochelle, South Africa ~72: MSIBI, Mlungisi Jack~

2026/03004 ~ Complete ~54:CORNER SEGMENT ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: SENDON, Jerome;SERRURIER, Douglas C.;SINN, Eric T.~ 33:US ~31:18/470,692 ~32:20/09/2023

2026/03009 ~ Complete ~54:TRICYCLIC QUINOLONE BCL6 BIFUNCTIONAL DEGRADERS ~71:TREELINE BIOSCIENCES, INC., 500 Arsenal Street, WATERTOWN 02472, MA, USA, United States of America ~72: CORREA, Matthew D.;HANSEN, Joshua D.;MARRONE, Tami J.;MCNEILL, Matthew H.;NAGY, Mark A.;OBERG, Kevin M.;SCHLEICHER, Kristin D.;VALIERE, Andrew~ 33:US ~31:63/580,207 ~32:01/09/2023;33:US ~31:63/607,009 ~32:06/12/2023;33:US ~31:63/572,811 ~32:01/04/2024;33:US ~31:63/665,613 ~32:28/06/2024

2026/03013 ~ Complete ~54:NOVEL COMPOUND, AND PHARMACEUTICAL COMPOSITION FOR PREVENTION OR TREATMENT OF CANCER OR TUMORS COMPRISING SAME ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Hwaseong-si, Gyeonggi-do, 18623, Republic of Korea ~72: AHREUM KWON;BORA YOO;JI DUCK KIM;JOON SEOK PARK;SANG JUN PARK;SEUL LEE;YOUNGKU KANG~ 33:KR ~31:10-2023-0128347 ~32:25/09/2023

2026/02989 ~ Provisional ~54:MODULAR CIVIC INFRASTRUCTURE SURFACE INTERFACE AND NETWORK DEPLOYMENT SYSTEM ~71:Carol-Ann Meltzer, 101 Carisbrook Street, South Africa ~72: Carol-Ann Meltzer~

2026/02995 ~ Complete ~54:FIRE SAFETY RESCUE ELEVATOR ~71:Wuxi University, No. 333, Xishan Avenue, Xishan District, Wuxi City, Jiangsu Province, 214105, People's Republic of China ~72: JIANG Xiaoyuan;XIE Minyu;XIE Yuxin;ZHENG Yutong~

2026/03000 ~ Complete ~54:ROOF ACCESS WALKWAY PANEL ~71:METAL PRESS TECHNOLOGY (PTY) LTD T/A MPT SOLAR MOUNTING SOLUTIONS, 6 Amcor Street, Newcastle CBD, South Africa ~72: CHANDLER, Donovan Lee;COETZEE, Frederick;SHORTEN, Peter James~ 33:ZA ~31:2024/09683 ~32:17/12/2024

2026/03006 ~ Complete ~54:MACHINE LEARNING-BASED EVALUATION OF DEVICE LABEL PLACEMENT ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: FINE, Jordan;PEARSON, Thomas~ 33:US ~31:63/586,143 ~32:28/09/2023

2026/03019 ~ Complete ~54:SOLID TABLET SEMIOCHEMICAL DISPENSERS FOR MATING DISRUPTION AND MASS TRAPPING OF INSECTS ~71:GORANTLA, Dr. Markandeya, Plot No. 1, Sy. No. 87 Part, Maalaxmi Residency, Behind Chandra Reddy Gardens, Kompally, Hyderabad, Telangana, 500015, India ~72: GORANTLA, Dr. Markandeya;KAUKUTTLA, Akshitha Reddy;MAGANTI, Radha Srikrishna;MUKUL, Mukesh Kumar;PATIL, Vishal~ 33:IN ~31:202341057697 ~32:28/08/2023

2026/02984 ~ Provisional ~54:SYSTEM AND METHOD FOR DEMAND-SIGNAL CORRECTION AND CONFIDENCE-WEIGHTED COMPETITIVE SELECTION OF RETAIL SIZE DEMAND CURVES ~71:Heinrich H Petersen, 8 Bennie V D Merwe Street, South Africa;Len Nouwers, 45 Duke Estate, South Africa ~72: Heinrich H Petersen;Len Nouwers~

2026/02990 ~ Provisional ~54:A WEIGHING APPARATUS AND METHOD ~71:MCLELLAN, Raymond Christopher, 40 Redwing Crescent, Yellowwood Park, DURBAN 4004, SOUTH AFRICA, South Africa ~72: MCLELLAN, Raymond Christopher~

2026/02997 ~ Complete ~54:HYBRID CHARGING NEW ENERGY VEHICLE ~71:Ligang Liu, Fu No. 1, 102, Zone 2, Balitun Village, Xinhua District, Cangzhou City, Hebei Province, People's Republic of China ~72: Ligang Liu~

2026/03002 ~ Complete ~54:HEAT EXCHANGER WITH HELICAL BAFFLES ~71:LUMMUS TECHNOLOGY LLC, 1515 Broad Street Bloomfield, United States of America ~72: ELSAYED, Sherif;GROPPI, Roberto;JIBB, Richard;PODREBARAC, Gary~ 33:US ~31:63/596,526 ~32:06/11/2023

2026/03011 ~ Complete ~54:METHOD FOR EXPRESSING TAMANU OIL ~71:J-OIL MILLS, INC., 8-1, Akashi-cho, Chuo-ku, Tokyo, 1040044, Japan ~72: KEISUKE NAKAMURA;YOUHEI TAZAKI;YUKI ISHIZAKA~ 33:JP ~31:2023-192782 ~32:13/11/2023

2026/03016 ~ Complete ~54:HAIR DRYING AND/OR STYLING APPARATUS AND METHOD ~71:JEMELLA LIMITED, 82 Dean Street, London, W1D 3SP, United Kingdom ~72: ANDREW WILLIAM NORFOLK;AZIZ TOKGOZ;BEN EDWARD AYSCOUGH;IAN RICHARD THORP;KEVIN ABRAHAM SIBY;ROBERT ALEXANDER WEATHERLY;ROBERT GEORGE MILNER~ 33:GB ~31:2315246.5 ~32:04/10/2023;33:GB ~31:2400883.1 ~32:23/01/2024;33:GB ~31:2404584.1 ~32:28/03/2024;33:GB ~31:2411003.3 ~32:26/07/2024

2026/03007 ~ Complete ~54:OPTIMISED AUDIO DATA TRANPORT FORMAT FOR A VOICE-OVER-IP COMMUNICATION SESSION ~71:ORANGE, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: BAUDUIN, Stéphane;RAGOT, Stéphane;THOMAS, Jean-Philippe~ 33:FR ~31:2309942 ~32:20/09/2023

2026/02987 ~ Provisional ~54:CODE-JEPA WORLD MODEL FOR CODE EVOLUTION PREDICTION VIA MULTI-MODAL JOINT EMBEDDING PREDICTIVE ARCHITECTURE ~71:Reuben Burls, Sunset Place Farm, R326 Road, South Africa ~72: Reuben Burls~

2026/02985 ~ Provisional ~54:EPIDEMIOLOGICAL COMPARTMENTAL MODELING FOR SOFTWARE DEFECT PROPAGATION RISK QUANTIFICATION USING PROJECT-INTERNAL DEPENDENCY GRAPHS ~71:Reuben Burls, Sunset Place Farm, R326 Road, South Africa ~72: Reuben Burls~

2026/02998 ~ Complete ~54:SYSTEM AND METHOD FOR INFERRING VEHICLE ROUTE SWITCH STATUS ~71:TRANSPORTATION IP HOLDINGS, LLC, 901 Main Avenue, NORWALK 16851, CT, USA, United States of America ~72: DREASHER, Rebecca Wilson~ 33:US ~31:19/081,364 ~32:17/03/2025

2026/03005 ~ Complete ~54:ANTI-CDH17 ANTIBODIES AND USES THEREOF ~71:LEPU BIOPHARMA CO., LTD., Floor 2, Building 4, No. 651 Lianheng Road, Pujiang Minhang District, People's Republic of China ~72: CUI, FEIFEI;FANG, LEI;JIANG, WENQING;WU, QI;YANG, YUANYUAN;ZENG, PENG~ 33:CN ~31:PCT/CN2023/120835 ~32:22/09/2023;33:CN ~31:PCT/CN2023/139628 ~32:18/12/2023;33:CN ~31:PCT/CN2023/141205 ~32:22/12/2023;33:CN ~31:PCT/CN2024/088670 ~32:18/04/2024;33:CN ~31:PCT/CN2024/116347 ~32:02/09/2024

2026/03008 ~ Complete ~54:SOS1 INHIBITORS FOR USE IN THE TREATMENT OF PHILADELPHIA CHROMOSOME POSITIVE BLOOD CANCERS ~71:Kumquat Biosciences Inc., 10770 Wateridge Circle, Suite 120, SAN DIEGO 92121, CA, USA, United States of America ~72: CHEN, Jeffrey;JANES, Matthew R.;LIU, Yi;UYEI, Anne~ 33:US ~31:63/581,969 ~32:11/09/2023;33:US ~31:63/572,066 ~32:29/03/2024

2026/03018 ~ Complete ~54:SYSTEM AND METHOD FOR SEPARATING FINE PARTICLES FROM A SLURRY ~71:THE UNIVERSITY OF NEWCASTLE, University Drive, Australia ~72: GALVIN, Kevin~ 33:AU ~31:2023903422 ~32:26/10/2023

2026/02988 ~ Provisional ~54:SYSTEM AND METHOD FOR ON-DEMAND HUMAN LIVE PRESENCE AND VISUAL VERIFICATION ~71:PETER ALBERT VAN DER SPUY, 1 PLUMBAGO STREET, South Africa ~72: PETER ALBERT VAN DER SPUY~

2026/02993 ~ Complete ~54:SYSTEM AND A METHOD FOR MOBILE BIOMETRIC IDENTIFICATION AND AUTHENTICATION ~71:JAN MARIUS KLEYNHANS, 209 Cactus Road, Kyalami AH1,, South Africa ~72: KLEYNHANS, JAN MARIUS~ 33:ZA ~31:2025/10987 ~32:19/12/2025

2026/02994 ~ Complete ~54:NITROGEN-DOPED HARD CARBON SUITABLE FOR USE AS ANODE MATERIAL FOR SODIUM-ION BATTERIES AND PREPARATION METHOD THEREOF ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 68, Wenchang Road, Yieryi First Street, Wuhua District, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: TANG Luxin;XIAO Jie;ZENG Xiaoyuan;ZHANG Yanjia;ZHOU Huangkai~ 33:CN ~31:2025116426623 ~32:11/11/2025

2026/03003 ~ Complete ~54:WIND TURBINE ~71:GABRICI, Leonello, Via Albana, 28, Italy ~72: GABRICI, Leonello~ 33:IT ~31:102023000019914 ~32:27/09/2023

2026/03010 ~ Complete ~54:REACTOR FOR A CARBOCHLORINATION PROCESS WITH A DOUBLE-WALL INLET TUBE AND METHOD ~71:KRONOS INTERNATIONAL, INC., Peschstr. 5, LEVERKUSEN 51373, GERMANY, Germany ~72: KARTHAUS, Sonja;MEDVED, Mitja~ 33:EP ~31:23199874.1 ~32:26/09/2023

2026/03015 ~ Complete ~54:ANTI-TISSUE FACTOR ANTIBODIES AND ANTIBODY CONJUGATES, COMPOSITIONS COMPRISING ANTI-TISSUE FACTOR ANTIBODIES OR ANTIBODY CONJUGATES, AND METHODS OF MAKING AND USING ANTI-TISSUE FACTOR ANTIBODIES AND ANTIBODY CONJUGATES ~71:SUTRO BIOPHARMA, INC., 111 Oyster Point Blvd, South San Francisco, California, 94080, United States of America ~72: ALICE YAM;AMANDEEP KAUR GAKHAL;ANDREW JAMES MCGEEHAN;DANIEL CALARESE;GANG YIN;GRACE JUNGEUN LEE;HELENA KIEFEL;JUNHAO YANG;KRISHNA BAJJURI;MIAO WEN;ROBERT TIAN-XUAN YUAN;SIHONG ZHOU;XIAOFAN LI~ 33:US ~31:63/590,343 ~32:13/10/2023;33:US ~31:63/684,699 ~32:19/08/2024

2026/03017 ~ Complete ~54:SECURE PARTICIPATION WAGERING SYSTEM USING BIN PACKING TO FACILITATE DIGITAL GAMES ~71:MY TECHNOLOGY, INC., 2332 Galiano Street 2nd Floor, Office #229, Coral Gables, Florida, 33134, United States of America ~72: JAMES SEIBEL;MAX WILSON;ZACH BRUCH~ 33:US ~31:63/584,831 ~32:22/09/2023;33:US ~31:63/596,448 ~32:06/11/2023

2026/02983 ~ Provisional ~54:TREATMENT OF HIGH-STRENGTH LANDFILL LEACHATE ~71:DURBAN UNIVERSITY OF TECHNOLOGY, Mansfield Road, Berea, Durban 4001, SOUTH AFRICA, South Africa ~72: INDHUR, Riona;KENNETH, Tina;KUMAR, Arvind;KUMARI, Sheena~

2026/02992 ~ Provisional ~54:KEEVA CELLPHONE CHARGING COVER ~71:EVA MALULEKE, THE MANAHATTAN LIFESTYLE ESTATE CAPENSIS AVENUE, UNIT 277, South Africa ~72: EVA MALULEKE~ 33:ZA ~31:None ~32:05/03/2026

2026/02996 ~ Complete ~54:A SYSTEM AND METHOD FOR DEVELOPING AND SIMULATING AN EFFECTIVE NEOANTIGEN MULTI-EPITOPIC COLORECTAL CANCER VACCINE ~71:Anindita Sarkar, Research Scholar, Department of Biotechnology, Adamas University, Barasat - Barrackpore Road, Kolkata, West Bengal, 700126, India;Argajit Sarkar, Research Scholar, Professor, Department of Molecular Biology and Bioinformatics, Tripura University, Suryamaninagar, Agartala, Tripura, 799022, India;Dr. Chiranjib Chakravartty, Professor, Department of Biotechnology, Adamas University, Barasat - Barrackpore Road, Kolkata, West Bengal, 700126, India;Dr. Manojit Bhattacharya, Assistant Professor, Postgraduate - Department of Zoology, Fakir Mohan University, Vyasa Vihar, Balasore, Odisha, 756089, India;Dr. Surajit Bhattacharjee, Associate Professor, Department of Molecular Biology and Bioinformatics, Tripura University, Suryamaninagar, Agartala, Tripura, 799022, India ~72: Anindita Sarkar;Argajit Sarkar;Dr. Chiranjib Chakravartty;Dr. Manojit Bhattacharya;Dr. Surajit Bhattacharjee~

2026/03001 ~ Complete ~54:NOVEL COMPOUNDS ~71:SITRYX THERAPEUTICS LIMITED, 101 Bellhouse Building, Magdalen Centre, United Kingdom ~72: BARBA, Oscar;FYFE, Matthew;GARCIA, Carlos Turrado;GREENIDGE, Paulette;MATHESON, Christopher;MAZZACANI, Alessandro;PITON, Nelly;RICCI, Paolo;TEOBALD, Barry~ 33:EP ~31:23202514.8 ~32:09/10/2023;33:EP ~31:24164069.7 ~32:18/03/2024

2026/03012 ~ Complete ~54:LITHIUM IRON PHOSPHATE PRECURSOR, LITHIUM IRON PHOSPHATE MATERIAL, PREPARATION METHOD THEREFOR, AND USE THEREOF ~71:SHANGHAI LIANGFU NEW ENERGY TECHNOLOGY CO., LTD., Rm. 33018, Bldg. 5, No. 269 Yushu Rd., Yongfeng Str., Songjiang District Shanghai, 201699, People's Republic of China ~72: XIAOLIN YU~

2026/03014 ~ Complete ~54:ANTI-MERTK AGONIST ANTIBODY, ANTI-MERTK BISPECIFIC ANTIBODY, AND USE THEREOF ~71:ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo, 1038411, Japan ~72: AKIRA NAGASHIMA;HIROAKI TOMINAGA;HIROTADA FUJITA;KOJI SAKAMOTO;KOZUE SUZUKI;MASASHI IWASAKI;NAOTO NAKAMURA;SATOSHI KUBO~ 33:JP ~31:2023-160157 ~32:25/09/2023;33:JP ~31:2023-216438 ~32:22/12/2023

2026/03021 ~ Provisional ~54:INTEGRATED VEHICLE-EMBEDDED AUDIBLE ALERT SYSTEM WITH CUSTOMIZABLE ANIMAL VOCALIZATIONS,MUSIC PLAYBACK,WIRELESS CONNECTIVITY,AND ALARM SYNCHRONIZATION ~71:MTITITI JOSEPH MALELE ID 731013 5511 083, 42 ALBERT STREET, ROSSETTENVILLE,, South Africa ~72: MTITITI JOSEPH MALELE ID 731013 5511 083~

. - APPLIED ON 2026/03/18 -

2026/03076 ~ Provisional ~54:ASAMBE TOURISM APP ~71:Dylans Simphiwe Dlamini, 3A Howe Street Obs Court, South Africa ~72: Dylans Simphiwe Dlamini~

2026/03024 ~ Provisional ~54:AN NFC-BASED MULTI-PURPOSE DIGITAL IDENTIFICATION, EMERGENCY RESPONSE AND DATA MANAGEMENT SYSTEM ~71:LESLIE LLEWELLYN JACKSON, 10 Moerbei ave, South Africa ~72: LESLIE LLEWELLYN JACKSON~

2026/03072 ~ Complete ~54:PROCESSES AND SYSTEMS FOR PRODUCTION OF SUSTAINABLE AVIATION FUEL FROM SYNGAS VIA MIXED ALCOHOLS ~71:STANDARD ALCOHOL COMPANY OF AMERICA, INC., 50 S. Steele Street, Denver, Colorado, 80209, United States of America ~72: FRANS L PLANTENGA;GERADETTE GIARDINO;MICHAEL PARDUN;RICHARD RIDLEY JR.;ROBERT MULVERHILL~ 33:US ~31:63/543,648 ~32:11/10/2023;33:US ~31:63/670,532 ~32:12/07/2024;33:US ~31:18/910,667 ~32:09/10/2024

2026/03028 ~ Provisional ~54:ADJUSTABLE REMOVABLE COAL RETENTION ASSEMBLY FOR BUILT-IN BRAAIS ~71:Neville le Roux, 3 Tern Close, South Africa ~72: Neville le Roux~

2026/03047 ~ Complete ~54:AN AUTOMATED, AI-ENABLED BACKGROUND REMOVAL SYSTEM FOR DIGITAL IMAGES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVAN, Rohini;JAGDALE, Vinit Vijay;KHANAJ, Tejas Parmanand;NAVGHANE, Ashwini;TEKE, Omshree Rahul;UDGAVE, Harsh Pravin~

2026/03056 ~ Complete ~54:CYCLIC PEPTIDE COMPOUND AND USE THEREOF ~71:SHENZHEN ZHONGGE BIOLOGICAL TECHNOLOGY CO., LTD., No. C101, 1f, 289 Digital Peninsula, No.2 Hongliu Road, Fubao Community, Fubao Street, People's Republic of China ~72: CHEN, Bin;GUI, Linna;LI, Hongmei;LI, Wenting;LIN, Sheng;LUO, Jie;MA, Jin;MA, Songling;SUN, Jixue;WANG, Shaohui;WEN, Shuhao;XIE, Dewei;ZHANG, Peiyu;ZHAO, Liyu~ 33:CN ~31:202311247312.8 ~32:25/09/2023;33:CN ~31:202411310856.9 ~32:19/09/2024

2026/03066 ~ Complete ~54:COUNTERFACTUAL ANALYSIS OF USER MODELS FOR PRESCRIPTIVE OUTPUT ~71:TRANS UNION LLC, 555 West Adams Street, CHICAGO 60661, IL, USA, United States of America ~72: GUITART, Antoni;PRABHU, Pratibha~ 33:US ~31:18/466,566 ~32:13/09/2023

2026/03025 ~ Provisional ~54:A VEHICLE INTERIOR MOVEMENT SENSING DEVICE ~71:SANJI ELECTRONICS (PTY) LTD, Kyalami Business Park, 39 Kyalami Boulevard, Kyalami, 1684, South Africa ~72: LARRY KAHN;TONY DA SERRA~

2026/03027 ~ Provisional ~54:HEAT MANAGEMENT DEVICE ~71:RackGen International (Pty) Limited, Plot B44, R560, Skeerpoort, South Africa ~72: LR Albertyn~ 33:ZA ~31:1 ~32:17/03/2026;33:ZA ~31:2026/1111 ~32:17/03/2026

2026/03037 ~ Complete ~54:GENERATIVE AI-BASED ENGLISH SITUATIONAL DIALOGUE SIMULATION INTERACTIVE SYSTEM ~71:Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343009, People's Republic of China ~72: GAO, Fei;LIU, Rui~

2026/03042 ~ Complete ~54:AUTOMATIC POP-OPEN HAIR CLIP ~71:FEMININE CO., LTD., 12F.-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City, 235038, Taiwan, Province of China ~72: SHAO HUI PENG~ 33:TW ~31:114210886 ~32:13/10/2025

2026/03050 ~ Complete ~54:METHOD FOR DIRECT LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY DETECTION OF PUBERULIC ACID WITHOUT DERIVATIZATION ~71:Hangzhou Institute for Food and Drug Control(Hangzhou Center for Adverse Drug and Medical Device Reaction Monitoring), No. 198 Yonghua Street, Gongshu District, Hangzhou City, Zhejiang Province, People's Republic of China ~72: DU Lidan;LIU Yuwen;SHEN Guofang;WU Xun;ZHANG Jiafeng~

2026/03069 ~ Complete ~54:VISCOSITY INDEX IMPROVER FOR LUBRICANTS BASED ON CYCLOHEXYL (METH)ACRYLATE AND POLYISOBUTYLENEPHENYL ACRYLATE COMB COPOLYMERS ~71:BASF SE, Carl-Bosch-Strasse 38 Ludwigshafen am Rhein 67056, Germany ~72: CHRISTOPH FLECKENSTEIN;IVETTE GARCIA CASTRO;RENE KOSCHABEK~ 33:EP ~31:23198746.2 ~32:21/09/2023

2026/03023 ~ Provisional ~54:HARDWARE-BACKED BIOMETRIC SESSION INJECTION FOR MODERN AND LEGACY ENVIRONMENT PASSWORD OBSOLETION. ~71:Paul Armer, Parkada Farm, D176, South Africa ~72: Paul James Armer~

2026/03046 ~ Complete ~54:A VOICE-BASED DIRECTION DETECTING ROBOTIC SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Pallavi;GHULE, Gauri;PENDSE, Esha Mandar;RATNAPARKHI, Archana;SANGALE, Suyog Sudam;SAPKAL, Vaibhav Anil~

2026/03068 ~ Complete ~54:ORALLY DISINTEGRATING NICOTINE TABLET WITH LOW AMOUNT OF FLAVOR ~71:FERTIN PHARMA A/S, Dandyvej 19, VEJLE 7100, DENMARK, Denmark ~72: CARLSSON, Rune Faurby;MARTINUSSEN, Helle;NIELSEN, Bruno Provstgaard;NIELSEN, Kent Albin;PRANGER-RASMUSSEN, Rikke~ 33:DK ~31:PA202370471 ~32:12/09/2023;33:IB ~31:2024/050052 ~32:18/03/2024

2026/03029 ~ Provisional ~54:WHEELIE BIN ANTI-THEFT AND CRIME PREVENTION MECHANISM ~71:Wayne Henry Erasmus, 19710th Avenue, Kraaifontein, South Africa ~72: Wayne Henry Erasmus~

2026/03033 ~ Complete ~54:AIGC-BASED DYNAMIC GENERATION SYSTEM FOR ENGLISH GRADED READING TEXTS ~71:Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343009, People's Republic of China ~72: LIU, Rui~

2026/03041 ~ Complete ~54:AUXILIARY TOOLBOX FOR SOYBEAN HYBRID BREEDING ~71:HULUNBUIR ACADEMY OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCES (HULUN BUIR ANIMAL HUSBANDRY TECHNOLOGY PROMOTION CENTER), NO. 14, MANZHOULI ROAD, HAILAR DISTRICT, People's Republic of China ~72: BI, Xiuli;FENG, Lei;GUO, Mengqiu;GUO, Rongqi;HU, Xingguo;LIU, Ying;QIU, Ping;SONG, Wei;SUN, Bincheng;SUN, Jing;SUN, Rujian;SUN, Yuxin;WANG, Jingshun;YU, Ping;ZHANG, Mingda;ZHANG, Qi;ZHANG, Yongyan~

2026/03057 ~ Complete ~54:CHANNEL STATE INFORMATION REPORTING PRIORITY FOR LAYER TRIGGERED MOBILITY ~71:NOKIA TECHNOLOGIES OY, Karakaari 7, Finland ~72: GOYAL, Sanjay;KOSKELA, Timo~ 33:US ~31:63/585,413 ~32:26/09/2023

2026/03059 ~ Complete ~54:MONITORING THE APPLICATION OF PESTICIDES, FERTILIZERS AND/OR OTHER LIQUIDS IN AN AGRICULTURAL FIELD ~71:BAYER AKTIENGESELLSCHAFT, Kaiser-Wilhelm-Allee 1, Leverkusen, Germany;NIK ELECTRONICS OOD, 11B Brussels Boulevard, Bulgaria ~72: ATANASOV, Anton;BIGHI, Enrico;KOSTOV, Svilen~ 33:EP ~31:23201500.8 ~32:04/10/2023

2026/03062 ~ Complete ~54:HEMOZOIN CONTENT OF PLASMODIUM FALCIPARUM DETECTING METHOD AND ITS APPLICATION ~71:SHANGHAI LINGANG TONGJI UNIVERSITY ADVANCED TECHNOLOGY RESEARCH INSTITUTE, ROOM 501, BUILDING 2, LANE 988, SOUTH YUNJUAN ROAD, People's Republic of China ~72: SUN, Jun~ 33:CN ~31:202511481093.9 ~32:16/10/2025

2026/03070 ~ Complete ~54:METHOD OF MAKING LANIFIBRANOR ~71:INVENTIVA, 50 rue de Dijon, 21121, Daix, France ~72: CÉCILE BROSSEAU;FREDERIC BELL;VIKTORIIA ZUBAR~ 33:EP ~31:23306579.6 ~32:22/09/2023

2026/03036 ~ Complete ~54:SIMULTANEOUS INTERPRETATION AIDING METHOD FOR SPOKEN RUSSIAN BASED ON SPEECH RECOGNITION AND REAL-TIME SUBTITLING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHENG Bing;GE Hua;JIA Junli;ZHANG Lu~

2026/03044 ~ Complete ~54:CAPACITIVE SENSING STRUCTURE ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: DU TOIT, Riaan;RADEMEYER, Daniel Barend;WOLMARANS, Wikus~

2026/03048 ~ Complete ~54:AN ADVANCED CIRCUIT BREAKER SIMULATION SYSTEM FOR PROTECTION RELAY TESTING AND BREAKER OPERATION TRAINING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHOSALE, Sai Suhas;DESHPANDE, Pallavi;GHULE, Gauri;KHUMBHAR, Prathmesh;PATIL, Deepak;RATNAPARKHI, Archana;SABLE, Ajinkya Amol;SHINDE, Prathmesh Pradeep~

2026/03052 ~ Complete ~54:AN AI-POWERED ROVER FOR METAL DETECTION AND SOIL SAMPLING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVAN, Rohini Abhijeet;RAJPUT, Vaishali Sham;WAGDALE, Yogiraj Dhanraj;WAKCHAURE, Aaditya Vasant;WAKHURE, Parth Pradeep~

2026/03063 ~ Complete ~54:METHOD AND SYSTEM FOR PROTECTING LOW-ALTITUDE AIRSPACE AGAINST UNAUTHORIZED UNMANNED AERIAL VEHICLES BY USING A BASE STATION HAVING COMMUNICATION AND JAMMING FUNCTIONS ~71:ZHONG CHUAN, 1-1806,XiaJiaYuan 6#,TaiYangGong, ChaoYang Distrlct, People's Republic of China ~72: ZHONG, Chuan~ 33:CN ~31:202311122588.3 ~32:01/09/2023

2026/03074 ~ Complete ~54:SAFETY CIRCUITRY ~71:JEMELLA LIMITED, 82 Dean Street, London, W1D 3SP, United Kingdom ~72: ANDREW WILLIAM NORFOLK;AZIZ TOKGOZ;IAN RICHARD THORP;ROBERT ALEXANDER WEATHERLY~ 33:GB ~31:2315258.0 ~32:04/10/2023;33:GB ~31:2404556.9 ~32:28/03/2024

2026/03039 ~ Complete ~54:SIMULATION DEMONSTRATION DEVICE FOR THE DIGITAL EFFECTIVENESS OF TRADITIONAL INDUSTRIES ~71:NINGBO UNIVERSITY OF FINANCE & ECONOMICS, No. 899, Xueyuan Road, People's Republic of China ~72: LIU, Hong;ZHANG, Xianjiu;ZHOU, Kaige;ZHU, Muxiu~

2026/03065 ~ Complete ~54:PIERCING AND FLUID PROCESSING DEVICE ~71:SOCIÉTÉ DES PRODUITS NESTLÉ S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: ABRAHAM, Sophie;DOGAN, Nihan~ 33:EP ~31:23193446.4 ~32:25/08/2023

2026/03071 ~ Complete ~54:HIGHLY HEAT-INTEGRATED PROCESS FOR PREPARING PURIFIED EPSILON-CAPROLACTAM FROM POLYAMIDE 6 ~71:BASF SE, Carl-Bosch-Strasse 38 Ludwigshafen am Rhein 67056, Germany ~72: FAISSAL-ALI EL-TOUFAILI;STEFAN BLEI;VIKRAM RAGHAVENDHAR RAVIKUMAR;ZELJKO KOTANJAC~ 33:EP ~31:23199102.7 ~32:22/09/2023

2026/03075 ~ Provisional ~54:AR/AI MEASUREMENT AND PROCUREMENT PLATFORM ~71:Sipho Bosa, 10 Rochdale Road, Sunnyridge, South Africa ~72: Sipho Bosa~

2026/03030 ~ Provisional ~54:JEPA-BASED BEHAVIORAL FINGERPRINTING FOR AI AGENT IDENTITY CREDENTIALING AND CONTINUOUS VERIFICATION ~71:Reuben Burls, Sunset Place Farm, R326 Road, South Africa ~72: Reuben Burls~

2026/03034 ~ Complete ~54:FAULT DIAGNOSIS METHOD AND SYSTEM FOR OFFSHORE WIND TURBINES BASED ON MULTI- SOURCE HETEROGENEOUS TIME SERIES AND ONLINE UPDATE MECHANISM, AND MEDIUM ~71:Guangdong University of Petrochemical Technology, Courtyard 139, Guandu 2nd Road, Maonan District, Maoming City, Guangdong Province, 525099, People's Republic of China ~72: CUI, Delong;HE, Jieguang;LI, Qirui;LIN, Bao'an;LIU, Haoran;LUO, Xinlong;MA, Ding;PENG, Zhiping;QIU, Jinbo~

2026/03026 ~ Provisional ~54:CONTAINER ADAPTABLE AS A BUILDING BLOCK ~71:DUBE, Alexander Memory, D74 Hamilton Way, South Africa ~72: DUBE, Alexander Memory~

2026/03038 ~ Complete ~54:SCIENCE POPULARIZATION METHOD FOR NON PHARMACOLOGICAL CARE OF ELDERLY PEOPLE WITH COGNITIVE IMPAIRMENT IN THE COMMUNITY ~71:BEIJING FENGLIN SOCIAL WORK DEVELOPMENT CENTER, 7-506, NO. 4 WANGJING ROAD, People's Republic of China;PARTY SCHOOL OF XIAYI COUNTY COMMITTEE OF THE CPC, NO. 131 HUIWEN ROAD, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, NO. 777 JIALINGJIANG EAST ROAD, People's Republic of China ~72: LIU, Xu;WANG, Chengcheng;XIA, Fengran;YANG, Fan~

2026/03043 ~ Complete ~54:METHOD AND SYSTEM FOR DOSING CONTROL OF WATER TREATMENT CHEMICAL ~71:Beijing Husheng Holding Group Co., Ltd., Room 9067, 9th Floor, No.3 Shuangqiao Road, Sanjianfang, Chaoyang District, Beijing, 100000, People's Republic of China ~72: CHEN, Xu;LIU, Zheng~ 33:CN ~31:202510606546.X ~32:12/05/2025

2026/03051 ~ Complete ~54:AN ESP32-BASED RIVER CLEANING SYSTEM WITH CONVEYOR MECHANISM FOR FLOATING WASTE REMOVAL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAGWAT, Smita;CHAVAN, Rohini Abhijeet;SOMASE, Sairaj Dashrath;WASULE, Mangalya Narayan;YERULE, Shreyas Shivanand;ZUNJE, Omkar Avinash~

2026/03054 ~ Complete ~54:A COMPREHENSIVE BLOOD DONATION MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAGWAT, Smita;CHAVAN, Rohini;GOYANKA, Devansh;GUPTA, Pragati;HADE, Vaibhav;HANDE, Anvay;JADHAV, Hari~

2026/03060 ~ Complete ~54:HVT AIV VECTORS AND USES THEREOF ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany ~72: BUBLOT, Michel;MEBATSION, Teshome;REYNARD, Frederic~ 33:US ~31:63/578,877 ~32:25/08/2023

2026/03067 ~ Complete ~54:VACCINE COMPOSITIONS AND USES THEREOF ~71:SCANCELL LIMITED, Unit 202, Bellhouse Building, Sanders Road, Oxford Science Park, OXFORD OX4 4GD, OXFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: DURRANT, Linda~ 33:GB ~31:2314361.3 ~32:19/09/2023

2026/03031 ~ Complete ~54:METHOD FOR PREDICTING ROCK MASS BLASTING EFFECT BASED ON MULTI-SOURCE HETEROGENEOUS DATA FUSION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Zhanyang;GU Xiaoyong;GUO Yixian;LI Guanpeng;LIU Shipeng~

2026/03032 ~ Complete ~54:DEEP REINFORCEMENT LEARNING-BASED ADAPTIVE OPTIMIZATION METHOD FOR ROCK MASS BLASTING PARAMETERS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Zhanyang;DAI Bojun;GU Xiaoyong;GUO Yixian;ZHAO Junwei~

2026/03035 ~ Complete ~54:ENVIRONMENT MONITORING DEVICE ~71:Wuxi University, No. 333, Xishan Avenue, Xishan District, Wuxi City, Jiangsu Province, 214105, People's Republic of China ~72: DOU Chenlu;HUANG Hui;YUAN Pengpeng;ZHANG Guqin~

2026/03040 ~ Complete ~54:PSYCHIATRIC TRANSFER BED WITH LIMB ASSISTED FIXATION FUNCTION ~71:HUZHOU THIRD MUNICIPAL HOSPITAL, NO. 2088, TIAOXI ROAD, People's Republic of China ~72: ZHANG, Na~

2026/03045 ~ Complete ~54:A WEARABLE HAPTIC BAND FOR OBSTACLE DETECTION AND PROVIDING TACTILE FEEDBACK FOR VISUALLY IMPAIRED USERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BRADOO, Vivaan;CHAVAN, Rohini Abhijeet;RAJPUT, Vaishali Sham;VIHIRKAR, Jay Sharadrao;YEOKAR, Suyash Sanjay~

2026/03049 ~ Complete ~54:A DUAL NETWORK MOTOR AUTOMATION SYSTEM WITH POWER CONSUMPTION MONITORING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE,

Pallavi;GHULE, Gauri;MOGHE, Rudrakshi Himanshu;RATNAPARKHI, Archana;SAID, Saumitra Devidas;SARODE, Sarthak Kiran~

2026/03053 ~ Complete ~54:REAL-TIME MONITORING SYSTEM FOR ATMOSPHERIC RIVER WATER VAPOR TRANSPORT BASED ON QUANTUM SENSING AND INTERNET OF THINGS ~71:Guangxi University, No. 100, Daxue East Road, Xixiangtang District, Nanning, Guangxi, 530004, People's Republic of China ~72: AYANTOBO Olusola Olaitan;WEI Jiahua;XING Yufei;ZHANG Shengjun~

2026/03055 ~ Complete ~54:INTELLIGENT CLEARINGHOUSE ~71:WWW.TRUSTSCIENCE.COM INC., 10130 103 ST NW Suite 1100, Edmonton, T5J 3N9, Canada ~72: CHRIS MATICHUK;COLIN TRAN;EVAN V CHRAPKO~ 33:US ~31:19/082,300 ~32:18/03/2025

2026/03058 ~ Complete ~54:COMPOUNDS AND METHODS FOR INHIBITING LPA ~71:IONIS PHARMACEUTICALS, INC., 2855 Gazelle Court, Carlsbad, United States of America ~72: KUBLI, Dieter;MULLICK, Adam;PRAKASH, Thazha P;SWAYZE, Eric E~ 33:US ~31:63/584,489 ~32:21/09/2023;33:US ~31:63/648,647 ~32:16/05/2024

2026/03061 ~ Complete ~54:NLRP3 VARIANTS & LIBRARY SCREEN FOR NLRP3 INHIBITORS WITH THE SAME ~71:BIOAGE LABS, INC., 1445A South 50th Street, United States of America ~72: COLL, Rebecca;HARTMAN, George H.;HO, Andrew;HUGHES, Robert;HUMPHRIES, Paul;WILHELMSEN, Kevin Edward Leif~ 33:US ~31:63/587,779 ~32:04/10/2023

2026/03064 ~ Complete ~54:DAIRY GOAT WHOLE-GENOME 55K SNP CHIP AND USE THEREOF ~71:CHINA AGRICULTURAL UNIVERSITY, No. 2, Yuanmingyuan West Road, Haidian District, Beijing, 100193, People's Republic of China ~72: GUAN, Shengyu;LIU, Guoshi;YAN, Laiqing;ZHANG, Lu~ 33:CN ~31:202311296786.1 ~32:08/10/2023

2026/03073 ~ Complete ~54:FOLLICLE UNIT EXCISION DEVICE AND METHOD OF USE ~71:SANUSI UMAR, 2205 N. Sepulveda Boulevard, Manhattan Beach, California, 90266, United States of America ~72: ANDREW NAMMINGA;SANUSI UMAR~

. - APPLIED ON 2026/03/19 -

2026/03083 ~ Complete ~54:MULTI-MODAL COLLABORATION-BASED FAULT DIAGNOSIS METHOD AND SYSTEM FOR OFFSHORE WIND TURBINE GEARBOX ~71:Guangdong University of Petrochemical Technology, Courtyard 139, Guandu 2nd Road, Maonan District, Maoming City, Guangdong Province, 525099, People's Republic of China ~72: CUI, Delong;HE, Jieguang;LI, Qirui;LIN, Bao'an;LUO, Xinlong;PENG, Zhiping;QIU, Jinbo;XU, Qing~ 33:CN ~31:202511322152.8 ~32:16/09/2025

2026/03085 ~ Complete ~54:MULTI-DIMENSIONAL HYPERTENSION DATA ACQUISITION SYSTEM AND INTELLIGENT INTERVENTION METHOD THEREOF ~71:Anhui University of Chinese Medicine, No. 350, Longzihu Road, Xinzhan Dist., Hefei City, Anhui Province, People's Republic of China ~72: Fengni He;Huiling Zhang;Qiao Hu;Shuang Yu;Ting Yao;Xiang Wang;Yudie Wang;Yuxiang Guan;Zheyuan Xia~

2026/03098 ~ Complete ~54:SUBSTITUTED TRICYCLIC COMPOUNDS AS KRAS DEGRADERS ~71:AURIGENE ONCOLOGY LIMITED, 39-40, KIADB Industrial Area, Electronic City Phase II, India ~72: ABBINENI, Chandrasekhar;AELURI, Madhu;BASAK, Debajyoti;BUI, Minna;CHEN, Jun;CHIKKANNA, Dinesh;COLE, David;FERREIRA, Andrew;GREEN, Evan;KHRAKOVSKY, Dimitri;MAKKIKOPPA VITTALARAO, Ravindra;MAUNG, Jack;MISHRA, Nigam;MUKHERJEE, Subhendu;MURRAY, Jeremy;NGUYEN, Huy;RAIKAR, Sandeep;SAMAJDAR, Susanta;SHERER, Brian;SIMONOVICH, Scott;TATYASAHEB GORE, Suraj~ 33:IN ~31:202341067839 ~32:10/10/2023;33:IN ~31:202441054021 ~32:15/07/2024

2026/03088 ~ Complete ~54:INTELLIGENT MONITORING SYSTEM FOR SYSTEMIC SCLEROSIS SKIN CARE ~71:Anhui University of Chinese Medicine, No. 350, Longzihu Road, Xinzhan Dist., Hefei City, Anhui Province, People's Republic of China ~72: Miaomiao Li;Qiao Hu;Ting Yao;Xiang Wang;Xianqing Yang;Yanyan Shao;Yuxiang Guan~

2026/03113 ~ Complete ~54:NOVEL SIRNA CONSTRUCTS, THERAPEUTICS, AND MODIFICATIONS ~71:NEURO3 THERAPEUTICS (SUZHOU) LTD., A3-1, Creative Industrial Park, No. 328 Xinghu Street, SIP, Pilot Free Trade Zone Suzhou Area, Suzhou, Jiangsu, 215123, People's Republic of China;NEURO3 THERAPEUTICS, INC., One Broadway, Floor 14th, Cambridge, Massachusetts, 02142, United States of America ~72: MIN LUO;XINYAN HUANG;ZHENG LI~ 33:CN ~31:PCT/CN2023/122067 ~32:27/09/2023

2026/03116 ~ Complete ~54:ELECTRONIC DEVICE COMPRISING FOLDABLE HOUSING AND ANTENNA ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: CHEOLHONG SON;DONGUK CHOI;HOJUNG NAM;JAEWON CHOE;KOOKJOO LEE;KYUNGMOON SEOL;SOONHO HWANG;SUNGKOO PARK~ 33:KR ~31:10-2023-0110870 ~32:23/08/2023;33:KR ~31:10-2023-0152215 ~32:06/11/2023

2026/03094 ~ Complete ~54:LOW-COST SILICON-CARBON ANODE MATERIAL AND MANUFACTURING METHOD THEREFOR ~71:China Silicon Corporation Ltd., No. 101, Huaxia Avenue, Advanced Manufacturing Industry Development Zone, Mengjin District, Luoyang, Henan, 471100, People's Republic of China ~72: CAO, Ke;LI, Xuerong;LIU, Jianhua;WAN, Ye;XING, Xiaoyun;YU, Shaofeng;ZHAO, Xizhe~ 33:CN ~31:202511516112.7 ~32:23/10/2025

2026/03097 ~ Complete ~54:PHARMACEUTICALLY ACCEPTABLE SALT OF A CD47-SIRP ALPHA PATHWAY INHIBITOR ~71:AURIGENE ONCOLOGY LIMITED, 39-40, KIADB Industrial Area, Electronic City Phase II, India ~72: ALLA, Manikantha Reddy;CHAVAN, Rahul Baburao;SASIKUMAR, Pottayil Govindan Nair;SEETHARAMAIAH SETTY, Sudarshan Naremaddepalli~ 33:IN ~31:202341071231 ~32:19/10/2023

2026/03099 ~ Complete ~54:METHOD FOR IDENTIFYING PORCINE HAIR FOLLICLE SUBSTRATE PRECURSOR CELLS AND ITS APPLICATION ~71:China Agricultural University, No. 2, Yuanmingyuan Xilu, Haidian District, People's Republic of China ~72: DING, Xiangdong;JIANG, Yao;LI, Shujuan;WANG, Yi;ZOU, Quan~ 33:CN ~31:202410158722.3 ~32:04/02/2024

2026/03103 ~ Complete ~54:OIL CYLINDER STRUCTURE CONVENIENT FOR ADJUSTMENT ~71:HANGZHOU FORKLIFT MAST CO., LTD., No.666 Xiangfu Road, Qingshanhu Street, Lin'an District, Hangzhou, Zhejiang, 311300, People's Republic of China ~72: CHEN, Yuandong;DING, Liang;DUAN,Quanjun;ZHANG, Jie~ 33:CN ~31:202522467100.1 ~32:20/11/2025

2026/03105 ~ Complete ~54:A METHOD AND SET-UP FOR MANUFACTURING AN EMBOSSED SHEET OF MATERIAL AND OBTAINING A CONTROLLED MATERIAL THICKNESS AND A FILTERING ELEMENT ~71:BOEGLI-GRAVURES SA, Rue de la Gare 24-26, MARIN-EPAGNIER 2074, SWITZERLAND, Switzerland ~72: BOEGLI, Charles;DUMITRU, Gabriel~ 33:IB ~31:2023/062474 ~32:11/12/2023

2026/03107 ~ Complete ~54:RISK CONTROL METHOD, NODE AND SYSTEM ~71:HUAWEI TECHNOLOGIES CO., LTD., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: ZENG, Ping;ZENG, Xijin~ 33:CN ~31:202311221581.7 ~32:20/09/2023

2026/03114 ~ Complete ~54:BISPECIFIC CD19/CD20-TARGETED CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF ~71:ATARA BIOTHERAPEUTICS, INC., 2380 Conejo Spectrum Street, Suite 200, Thousand

Oaks, California, 91320, United States of America ~72: CHRISTINA PHAM;COKEY NGUYEN;SEUNG E CHA~ 33:US ~31:63/587,646 ~32:03/10/2023

2026/03110 ~ Complete ~54:GROUND COVER MEMBRANE WITH A PLURALITY OF DISTRIBUTED ADHERED DISCRETE ASPERITY ELEMENTS AND METHOD ~71:WATERSHED GEOSYNTHETICS LLC, 1125 Sanctuary Parkway, United States of America ~72: LEWIS, William Delaney~ 33:US ~31:63/539,490 ~32:20/09/2023

2026/03080 ~ Provisional ~54:WADOK MAN TISSUE ~71:SUBULLA TECH (PTY) LTD, 5529 SEROTO STREET, South Africa ~72: SIBULLA TECH (PTY) LTD~ 33:ZA ~31:WADOK2026 ~32:18/03/2026

2026/03081 ~ Complete ~54:AN INTEGRATED DEVICE FOR HARVESTING, DEWATERING, AND CLOSED-LOOP RECOVERY OF PRESSED LIQUID FROM ENTEROMORPHA ~71:China University of Mining and Technology, No1,Daxue Road, Xuzhou, Jiangsu, People's Republic of China ~72: Cao Wenjing;Chen Zhiyong;He Xinjian;Jiang Shangsong;Li Shihang;Lou Xuanfu;Ma Guoping;Shao Jiang;Zhang Peiyao;Zhu Jintuo~ 33:CN ~31:2025119922606 ~32:26/12/2025

2026/03095 ~ Complete ~54:GRAPHITE CRUCIBLE DETECTION APPARATUS ~71:MILUO FUYUAN NEW MATERIALS CO., LTD, Group 26, Hexin Village, Xinshi Town, Miluo City, Yueyang, 414000, People's Republic of China ~72: Botao GU;Jiufu YANG~ 33:CN ~31:2025117879584 ~32:30/11/2025

2026/03101 ~ Complete ~54:THERAPEUTIC AGENT FOR RHEUMATOID ARTHRITIS ~71:TEIJIN PHARMA LIMITED, 2-1, Kasumigaseki 3-chome, Chiyoda-ku, Japan ~72: ASANO, Satoshi;ITO, Katsuaki;TAKESHITA, Chie;TASAKI, Daisuke;TSUJIMOTO, Shunsuke~ 33:JP ~31:2023-164203 ~32:27/09/2023

2026/03112 ~ Complete ~54:IMMEDIATE-RELEASE FORMULATIONS OF A TYK2 INHIBITOR ~71:ALUMIS INC., 280 East Grand Avenue South San Francisco, California 94080, United States of America ~72: CHIEN-HSUAN HAN;DAVID ALONZO;ERICA SCHLESINGER;RANDY J WALD~ 33:US ~31:63/583,934 ~32:20/09/2023

2026/03077 ~ Provisional ~54:MODULAR EXTRUDED MULTIWALL ROOFING SHEET WITH OPPOSED INTERLOCKING RIB FORMATIONS ~71:NEILL HUMAN, 11 MAGGIE LAUBSER, South Africa ~72: NEILL HUMAN~

2026/03078 ~ Provisional ~54:A COMPOSITION ~71:VAN DER WESTHUIZEN, Jacobus, Johannes, 75 TRENTINO CLOSE, VAL DE VIE LIFESTYLE ESTATE, PAARL, 7646, SOUTH AFRICA, South Africa ~72: VAN DER WESTHUIZEN, Jacobus, Johannes~

2026/03082 ~ Complete ~54:PERSONALIZED OBESITY WEIGHT LOSS EFFECTIVENESS TRACKING AND EVALUATION SYSTEM ~71:Anhui University of Chinese Medicine, No. 350, Longzihu Road, Xinzhan Dist., Hefei City, Anhui Province, People's Republic of China ~72: Haoxian Du;Jinglin Wang;Leran Tang;Shuang Yu;Xiao Wang;Yuxiang Guan;Zheyuan Xia~

2026/03084 ~ Complete ~54:FURNACE-TOP MOUNTED COKING CRUSHING AND CLEANING DEVICE ~71:Huadian Yili Coal and Power Co., Ltd., Unit 1, Dairy Farm, Kazakh Autonomous Prefecture, Yili, Xinjiang, People's Republic of China ~72: Haiqiang Ma;Lizhi Cui;Teng Cao~

2026/03087 ~ Complete ~54:INTELLIGENT EARLY WARNING SYSTEM FOR FALL RISK BASED ON ENVIRONMENTAL INTERACTION BEHAVIOR OF THE ELDERLY ~71:Anhui University of Chinese Medicine, No. 350, Longzihu Road, Xinzhan Dist., Hefei City, Anhui Province, People's Republic of China ~72: Haoxian Du;Hui Shi;Jinglin Wang;Ruixi Ma;Xiao Wang;Yukuan Miao;Yuxiang Guan;Zheyuan Xia~

2026/03091 ~ Complete ~54:AUTOMATIC BELT CENTERING DEVICE ~71:Shandong Xinhao Industrial and Mining Equipment Co., Ltd, Garrison of Jier Mine, Jiezhuang Street Office, Jining High tech Zone, Jining, Shandong, People's Republic of China ~72: Chengyu Liu;Chuanhai Zhou;Feng Ji;Guochen Wang;Haiyang Xu;Lingjian Bu;Lizhi Wang;Qiang Li;Zaijun Yang~

2026/03093 ~ Complete ~54:A LONG-RANGE MISSILE DEFENCE SYSTEM ~71:VAN NIEKERK, Erenst Hannes, 103 Sea Hare Circle, Atlantic Beach Estate, South Africa ~72: VAN NIEKERK, Erenst Hannes~ 33:ZA ~31:2025/02390 ~32:19/03/2025

2026/03096 ~ Complete ~54:2-(3,8-DIAZABICYCLO[3.2.1]OCTAN-3-YL)-1,3,5-TRIAZINE DERIVATIVES AS KRAS G12D INHIBITORS FOR THE TREATMENT OF CANCER ~71:SANOFI, 46 avenue de la Grande Armée, France ~72: AHLSTEN, Nanna;ALEKSIC, Stevan;BARBEAU, Olivier;DE LAS HERAS RUIZ, Edgar;FOSTER, Holly;KHOR, Someina;LECCI, Cristina;PÉREZ, Victor Sebastián;RONAN, Baptiste~ 33:EP ~31:23315323.8 ~32:22/08/2023;33:EP ~31:24315092.7 ~32:14/03/2024

2026/03100 ~ Complete ~54:COMPOSITIONS AND METHODS COMPRISING SMALL NUCLEAR RNA (SNRNA) FOR TREATING DMD ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BATRA, Ranjan;BRADFORD, William Henry;CARRENO, Alberto;KNOWLAND, Daniel A.;LARDELLI MARKMILLER, Rea;NACHTRAB, Gregory Thomas;ROTH, Daniela~ 33:US ~31:63/585,293 ~32:26/09/2023

2026/03102 ~ Complete ~54:BRUSHLESS DIRECT-CURRENT MOTOR AND PROCESSING SYSTEM THEREFOR ~71:Loudi Chuangweida Electrical Appliance Co., Ltd., 5th Floor, Building 2, Double Innovation Motor Industrial Park, Dabuqiao Street Office, Loudi Economic and Technological Development Zone, Loudi, People's Republic of China ~72: Yuying WU;Zhaoyang NIE;Zhixian LONG~ 33:CN ~31:2025101346058 ~32:07/02/2025

2026/03104 ~ Complete ~54:MOTORIZED AND IMPROVED INTRAMEDULLARY NAIL FOR BONE LENGTHENING OR TRANSPORT ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy ~72: PRANZETTI, Antony;VICENZI, Federico;ZACCARIA, Andrea~ 33:IT ~31:102023000021870 ~32:19/10/2023

2026/03106 ~ Complete ~54:ESTETROL FOR USE IN THE TREATMENT OF FEMALE SEXUAL AROUSAL DISORDER ~71:ESTETRA SRL, Rue Saint-Georges 5, LIÈGE 4000, BELGIUM, Belgium ~72: TAZIAUX, Mélanie;TURY, Anna~ 33:EP ~31:23198847.8 ~32:21/09/2023

2026/03108 ~ Complete ~54:MOTORIZED INTRAMEDULLARY NAIL FOR BONE LENGTHENING OR TRANSPORT ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy ~72: PRANZETTI, Antony;VICENZI, Federico;ZACCARIA, Andrea~ 33:IT ~31:102023000022935 ~32:31/10/2023

2026/03109 ~ Complete ~54:SYSTEM FOR THE TEMPORAL STATISTICAL ANALYSIS OF SPATIAL ANOMALIES INTENDED FOR THE DETECTION AND VISUALISATION OF FLUID MOVEMENT ZONES, AND ASSOCIATED METHOD ~71:GEOLINKS SERVICES, 61, rue de Lyon, France ~72: ARS, Jean-Michel;KREMER, Thomas~ 33:FR ~31:FR2309292 ~32:05/09/2023

2026/03111 ~ Complete ~54:AUTOMATIC CENTRAL TUNING ON A COMPRESSED AIR SYSTEM ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610, Wilrijk, Belgium ~72: CHRISTOPHE VERBIST;PETER VERHOEVEN;WIM VAN ROY~ 33:BE ~31:2023/5875 ~32:23/10/2023

2026/03115 ~ Complete ~54:APPARATUS AND METHOD FOR MANAGING BATTERY ~71:KOREA ZINC CO., LTD., 33 Jong-ro, Jongno-gu, 03159 Seoul, Republic of Korea ~72: SEUNG HYUN KIM;YONG SEOK KIM~ 33:KR ~31:10-2024-0169656 ~32:25/11/2024

2026/03089 ~ Complete ~54:PREPARATION METHOD FOR STERILE SODIUM CARBOXYMETHYL CELLULOSE LIQUID DRESSING ~71:Timebase Medical Science & Technology (Jiangsu) Co., Ltd., Building G37, Phase III, China Medical City, Taizhou City, Jiangsu Province, 225300, People's Republic of China ~72: Bo XU;Hongxing SONG;Huaqing YANG;Liang LIU;Limin LIU;Ning XU;Qiang LI;Tao CHEN;Wei CUI;Yi WANG~

2026/03090 ~ Complete ~54:EXTRACTION METHOD FOR IMPROVING TOTAL PHENOLIC YIELD OF FLOS SOPHORAE IMMATURUS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHANG Huihui;FANG Weixun;LI Guantao;LIU Huiyuan;WEI Pengfei;WU Miao;XIE Zhaohui;YANG Shijie;ZHANG Ge~

2026/03079 ~ Provisional ~54:FERRIC CHLORIDE WATER TREATMENT ~71:KLORMAN SOLUTIONS PROPRIETARY LIMITED, 70 Thirteenth Road, Kew, JOHANNESBURG 2090, Gauteng, SOUTH AFRICA, South Africa ~72: BUCHAN, Peter James;DU PLESSIS, Bertus;WILDEN, Martin~

2026/03086 ~ Complete ~54:ARTIFICIAL INTELLIGENCE-BASED ARTHRITIS REHABILITATION TRAINING SYSTEM AND EFFICACY ASSESSMENT METHOD ~71:Anhui University of Chinese Medicine, No. 350, Longzihu Road, Xinzhan Dist., Hefei City, Anhui Province, People's Republic of China ~72: Haoxian Du;Jinglin Wang;Juan Yuan;Kecui Hu;Leran Tang;Sijing Peng;Xiao Wang;Yuxiang Guan~

2026/03092 ~ Complete ~54:NEPHRITIS PRURITUS DECOCTION AND PREPARATION METHOD AND USE THEREOF ~71:The Second Affiliated Hospital of Fujian University of Traditional Chinese Medicine, No. 282 Wusi Road, Gulou District, Fuzhou, Fujian, People's Republic of China ~72: Fei Wu;Pengsheng Zhang;Weinan Zheng;Yongzhi Li~

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

Application Number	Assignor	Assignee
2023/03925	WUHU TECHNOLOGY AND INNOVATION RESEARCH INSTITUTE, AHUT	WUHU INDUSTRIAL INNOVATION CENTER ANHUI UNIVERSITY OF TECHNOLOGY
2023/04254	WUHU TECHNOLOGY AND INNOVATION RESEARCH INSTITUTE, AHUT	WUHU INDUSTRIAL INNOVATION CENTER ANHUI UNIVERSITY OF TECHNOLOGY
2022/10277	WUHU TECHNOLOGY AND INNOVATION RESEARCH INSTITUTE, AHUT	WUHU INDUSTRIAL INNOVATION CENTER ANHUI UNIVERSITY OF TECHNOLOGY
2023/04792	WUHU TECHNOLOGY AND INNOVATION RESEARCH INSTITUTE, AHUT	WUHU INDUSTRIAL INNOVATION CENTER ANHUI UNIVERSITY OF TECHNOLOGY
2023/02490	WUHU TECHNOLOGY AND INNOVATION RESEARCH INSTITUTE, AHUT	WUHU INDUSTRIAL INNOVATION CENTER ANHUI UNIVERSITY OF TECHNOLOGY
2023/04793	WUHU TECHNOLOGY AND INNOVATION RESEARCH INSTITUTE, AHUT	WUHU INDUSTRIAL INNOVATION CENTER ANHUI UNIVERSITY OF TECHNOLOGY
2009/02911	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2010/05350	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2023/00766	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/04275	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/04280	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH

Application Number	Assignor	Assignee
2025/01058	HARBIN INSTITUTE OF TECHNOLOGY	CHINA HARBOUR ENGINEERING COMPANY LTD.
2016/01437	UCB BIOPHARMA SPRL	UCB BIOPHARMA SRL
2022/04803	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/07548	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/04278	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/04278	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2023/10074	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2021/03433	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/04277	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2023/00860	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2007/00863	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2005/05310	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2007/04804	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2009/08038	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2009/08039	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2009/08040	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2010/04190	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2009/02719	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2011/03841	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2008/10231	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2004/09856	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/05590	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2012/01214	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2023/07488	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2023/07489	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/04276	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/02129	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2022/05157	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2006/10136	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2007/04202	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2007/07470	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2012/00493	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2011/01855	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2016/07811	FMC AGRO SINGAPORE PTE.LTD.	FMC IP TECHNOLOGY GMBH
2024/01467	SANEXEN ENVIRONMENTAL SERVICES INC.	FER-PAL CONSTRUCTION LTD.
2023/00266	SANEXEN ENVIRONMENTAL SERVICES INC.	FER-PAL CONSTRUCTION LTD.
2011/09031	SOCIETE SPLICOS	ABIVAX
2011/09032	SOCIETE SPLICOS	ABIVAX
2023/11028	CHRYSO	STARCIN HOLDING FRANCE
2023/10795	CHRYSO	STARCIN HOLDING FRANCE
2014/05770	CHRYSO	STARCIN HOLDING FRANCE
2011/07196	CHRYSO	STARCIN HOLDING FRANCE
2017/01489	CHRYSO	STARCIN HOLDING FRANCE
2014/01025	CHRYSO	STARCIN HOLDING FRANCE
2024/06866	CHRYSO	STARCIN HOLDING FRANCE
2011/07339	CHRYSO	STARCIN HOLDING FRANCE
2018/01824	CHRYSO	STARCIN HOLDING FRANCE

Application Number	Assignor	Assignee
2013/07609	CHRYSO	STARCIN HOLDING FRANCE
2021/02280	CHRYSO	STARCIN HOLDING FRANCE
2021/06034	CHRYSO	STARCIN HOLDING FRANCE
2022/10648	CHRYSO	STARCIN HOLDING FRANCE
2023/06130	CHRYSO	STARCIN HOLDING FRANCE
2015/08036	CHRYSO	STARCIN HOLDING FRANCE
2023/07374	CHRYSO	STARCIN HOLDING FRANCE
2025/06646	LANDA LABS (2012) LTD	LOT FOODTECH LTD
2013/07096	POLYLINE PIPE SYSTEMS LTD	ACU-TECH PTY LTD
2022/07975	LG ELECTRONICS INC.	NOKIA TECHNOLOGIES OY
2014/05498	KEKI HORMUSJI	GHARDA MEDICAL AND ADVANCED TECHNOLOGIES FOUNDATION
2013/03893	KEKI HORMUSJI	GHARDA MEDICAL AND ADVANCED TECHNOLOGIES FOUNDATION
2019/00518	SUNOVION PHARMACEUTICALS INC.	SUMITOMO PHARMA AMERICA HOLDINGS, INC.
2016/05701	STAVE OAK LENDING LLC	SUJEN INTERNATIONAL, LLC
2020/07285	THE KITASATO INSTITUTE and SUMITOMO PHARMA CO., LTD.	SUMITOMO PHARMA CO., LTD.
2019/03937	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/02725	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2025/08473	PROTECTYOURSELFATALLTIMES PTY LTD	CMBM HOLDINGS PTY LTD
2024/09699	TANGSHAN UNIVERSITY	SHIJIAZHUANG PUCHEN NETWORK TECHNOLOGY CO., LTD.
2024/08616	TANGSHAN UNIVERSITY	HUAZHI ELECTRIC TECHNOLOGY (BEIJING) CO., LTD.
2017/02083	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/02082	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2015/09142	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2016/00088	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2019/03938	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2018/06433	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2016/01124	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2014/05824	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2018/07659	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2014/06525	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2015/00622	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2015/00379	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/00760	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2016/07024	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/01973	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/02079	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/02983	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/03838	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/04012	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2018/02929	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/07496	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2017/06676	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2018/01828	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2018/03067	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG

Application Number	Assignor	Assignee
2016/05274	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2016/05539	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2016/05977	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2019/03936	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2020/04148	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2020/03232	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2020/03487	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2-020/04700	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2019/00032	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION AG
2019/02591	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2019/02723	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/05531	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2019/03373	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2019/03372	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2019/03375	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2019/06549	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2019/03522	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/00681	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2019/06082	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/02744	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/02836	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/05044	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/05756	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2021/03388	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2018/03291	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/05480	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2020/04352	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2014/05823	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2014/05565	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2014/05056	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2014/04841	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2014/03960	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2013/08156	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2014/02456	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2013/07478	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2013/06475	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2007/10911	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2007/06426	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/00691	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2010/09263	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/00764	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/02125	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/02453	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2007/10912	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/04783	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2010/04905	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2010/06317	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2010/07739	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/04764	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/02639	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG

Application Number	Assignor	Assignee
2008/01186	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2009/06699	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2009/06131	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2009/03016	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2009/01595	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/08196	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/08194	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/07079	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/07079	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2008/06874	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/03886	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/03291	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/03768	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2013/05164	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/09636	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2013/00546	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/09105	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/09201	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2010/00320	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/08110	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/08919	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/03587	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/05439	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/06174	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2007/05880	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2011/05227	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2007/09180	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/03254	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/00975	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2012/00413	SYNGENTA PARTICIPATIONS AG	SYNGENTA PARTICIPATIONS AG
2015/09021	INTERCEPT PHARMACEUTICALS, INC.	ALFASIGMA S.P.A.
2021/03477	TERNS, INC.	TERNS PHARMACEUTICALS, INC.
2022/06756	BMG PHARMA S.P.A.	BMG BIOCHEMICAL S.R.L.
2023/06968	CORTEVA AGRISCIENCE LLC and INTERVET INTERNATIONAL B.V.,	INTERVET INTERNATIONAL B.V.,
2024/06478	INTERVET INTERNATIONAL B.V. and CORTEVA AGRISCIENCE LLC	CORTEVA AGRISCIENCE LLC
2025/02467	APOTECHNOS LIMITED	ENERTECHNOS LIMITED
2020/07608	ARCA BIOPHARMA, INC.	GENVARA BIOPHARMA, INC.
2010/07027	ALTERGON S.A.	IBSA INSTITUT BIOCHIMIQUE SA
2008/10169	SYNGENTA PARTICIPATIONS AG	SYNGENTA CROP PROTECTION A.G.
2022/05588	BMG PHARMA S.P.A.	BMG BIOCHEMICAL S.R.L.
2017/04637	BMG PHARMA S.P.A.	BMG BIOCHEMICAL S.R.L.
2023/07831	DR. FALK PHARMA GMBH and PROMETHEUS BIOSCIENCES, INC.	PROMETHEUS BIOSCIENCES, INC.
2024/09381	TANGSHAN UNIVERSITY	HUAZHI ELECTRIC TECHNOLOGY (BEIJING) CO., LTD.
2019/04645	BIOINICIA, S.L.	BIONANOPHARMA S.L.

Application Number	Assignor	Assignee
2020/07705	INTERNATIONAL PAPER COMPANY	GCF US HOLDINGS LLC
2024/08947	LUMAX ENERGY (PTY) LTD	ROON, SELWIN JAKOBUS EMIEL and VERMAAK, FRANS WILLEM
2020/01875	AHRIAC INNOVATION CENTRE (PTY) LTD. And CSIR	CSIR
2021/02622	GREENTECH GLOBAL PTE, LTD.	CHEMSTONE, INC.
2021/02365	GREENTECH GLOBAL PTE, LTD.	CHEMSTONE, INC.
2019/07745	DRAGONFLY THERAPEUTICS, INC.	SKYHAWK MERGER SUB II, LLC
2024/02423	DRAGONFLY THERAPEUTICS, INC.	SKYHAWK MERGER SUB II, LLC
2024/00738	MICHELE DICOSOLA	INNORES ANALYTICS LLP
2008/10865	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2021/02001	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2021/00169	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2019/07424	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2018/01572	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2010/07817	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2017/02823	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2017/06861	ALSTOM TRANSPORTATION GERMANY GMBH	ALSTOM HOLDINGS
2023/05526	NUMAB THERAPEUTICS AG	YELLOW JERSEY THERAPEUTICS AG
2023/05526	YELLOW JERSEY THERAPEUTICS AG	CILAG GMBH INTERNATIONAL
2019/05572	TYME LIMITED	TYME PTE LIMITED
2016/08674	TYME LIMITED	TYME PTE LIMITED
2015/06038	TYME LIMITED	TYME PTE LIMITED
2015/04549	DERICK GOMEZ and JESUS CENZIO	DERICK GOMEZ JESUS CENZIO BRANDON TIMOTHY FOYLE
2020/02029	SESTEC SP. Z.O.O. and SESTEC INNOVATIONS SP. Z.O.O.,	BAKELITE POLSKA SP. Z.O.O.
2022/00830	PHOENIX LLC	SHINE TECHNOLOGIES, LLC
2021/00191	EXFO SOLUTIONS SAS	TC FRANCE S.A.S.
2018/01502	LABORATORI DERIVATI ORGANICI SPA	OPOCRIN S.P.A.

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2022/13322	GLYCOMIMETICS, INC.	CRESCENT BIOPHARMA, INC.
2022/02879	GLYCOMIMETICS, INC.	CRESCENT BIOPHARMA, INC.
2023/01031	SESTEC POLSKA SP. Z O.O.	BAKELITE POLSKA SP. Z O.O.

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2025/01900	WITHDRAWN	11/02/2026
2026/01900	WITHDRAWN	26/02/2026

APPLICATION FOR RESTORATION OF A LAPSED PATENT

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given that **CYTEC TECHNOLOGY CORP,** whose address for service is **DM KISCH INC, SANDTON** has applied to the registrar for the restoration of Patent No **2017/04541** entitled **PROCESS AND REAGENTS FOR THE INHIBITION OR REDUCTION OF SCALE FORMATION DURING PHOSPHORIC ACID PRODUCTION** dated **23/09/2010**, which lapsed on **24/10/2019** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **MONSANTO TECHNOLOGY LLC** whose address for service is **DM KISCH INC, SANDTON** has applied to the registrar for the restoration of Patent No **2021/01713** entitled **LOW VOLATILITY HERBICIDAL COMPOSITIONS** dated **05/11/2013**, which lapsed on **27/01/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **TECHMILL INVESTMENTS (PTY) LTD.** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2012/01533** entitled **DIMINUTION OF PARTICULATE MATERIAL** dated **19/08/2010**, which lapsed on **19/08/2010** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **COVESTRO LLC.** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2021/03731** entitled **PROCESS FOR MANUFACTURING FULLY RECYCLABLE MINING SCREENS** dated **17/12/2019**, which lapsed on **17/12/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **MMD DESIGN AND CONSULTANCY LIMITED.** whose address for service is **SPOOR & FISHER, CENTURION** has applied to the registrar for the restoration of Patent No **2018/02037** entitled **SIZER TOOTH** dated **30/09/2016**, which lapsed on **30/09/2019** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR VOLUNTARY SURRENDER OF PATENTS UNDER SECTION 64 (1), REGULATION 67 OF THE ACT

No records available

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: NOKIA TECHNOLOGIES OY KARAPORTTI 3, 02610 ESPOO, FINLAND. Permission to amend the specification of letters patent no: **2019/02530** of **23/04/2019** for **RADIO BEARER SWITCHING IN RADIO ACCESS.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: PARKIN, Norman Frederick 12 Sycamore Street Zwartkop 0157 Centurion. Permission to amend the specification of letters patent no: **2019/02206 of 09/04/2019** for **A CONNECTOR FOR ELECTRICALLY CONNECTING A PORTABLE ELECTRONIC DEVICE TO AN ACCESSORY.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: AITONOMI AG Bruderhausstrasse 10 CH-6372 Ennetmoos. Permission to amend the specification of letters no: **2022/08400 of 27/07/2022** for **VEHICLE, SYSTEM AND METHOD FOR RAILWAY TRACK CLEARING.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

A complete specification may, after acceptance is advertised, be inspected during office hours at the Patent Office, Pretoria, at a charge of **R4, 00.** Please note, that in terms of section 43 (3) if the acceptance of an application which claims priority in terms of section 31 (1) (c) is not published in terms of section 42 within 18 months from the earliest priority claimed from the relevant application in a convention country, it shall be opened to public inspection after the expiration of 18 months from the earliest priority so claimed.

COPIES OF DOCUMENTS

The Patent Office, Private Bag X400, Pretoria, supplies copies of all patent and trade mark documents at the following rate:

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

Complete specifications in respect of the under mentioned applications for letters Patent have been accepted by the Registrar of Patents.

THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(43)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

Registrar of Patents

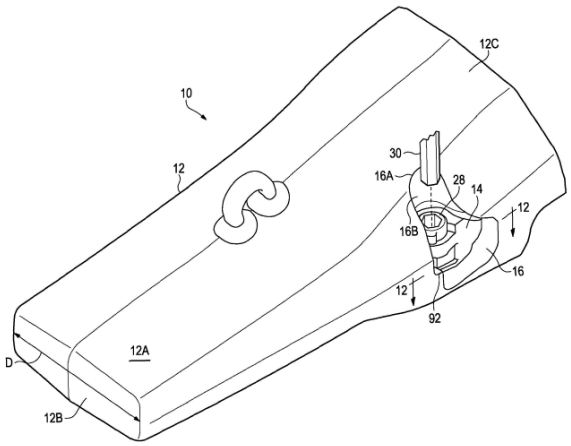
21: 2011/04555. 22: 2011/06/21. 43: 2026/03/02
51: A61K; A61P

71: BOEHRINGER INGELHEIM INTERNATIONAL GMBH
72: EISENREICH WOLFRAM

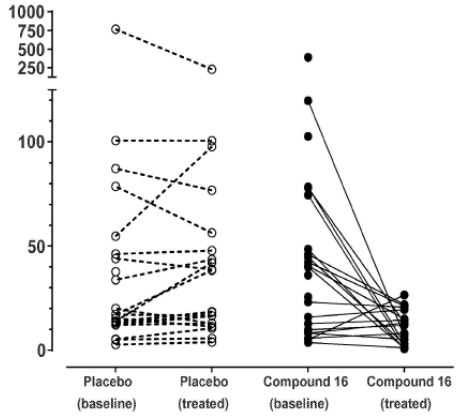
33: US 31: 61/152.306 32: 2009-02-13
54: PHARMACEUTICAL COMPOSITION COMPRISING LINAGLIPTIN AND OPTICALLY A SGLT2 INHIBITOR,AND USES THEREOF
00: -
The present invention relates to pharmaceutical compositions of linagliptin, pharmaceutical dosage forms, their preparation, their use and methods for treating metabolic disorders.

21: 2011/04696. 22: 2011/06/24. 43: 2026/03/02
51: A61K; A61P
71: BOEHRINGER INGELHEIM INTERNATIONAL GMBH
72: EICKELMANN PETER, MARK MICHAEL, SEMAN LEO JOHN, THOMAS LEO, BROEDL ULI, GREMPLER ROLF
33: US 31: 61/152.318 32: 2009-02-13
54: SGLT-2 INHIBITOR FOR TREATING TYPE 1 DIABETES MELLITUS, TYPE 2 DIABETES MELLITUS, IMPAIRED GLUCOSE TOLERANCE OR HYPERGLYCEMIA
00: -
The present invention relates to pharmaceutical compositions of linagliptin, pharmaceutical dosage forms, their preparation, their use and methods for treating metabolic disorders.

21: 2014/03442. 22: 2014/05/13. 43: 2026/01/27
51: E02F
71: ESCO Group LLC
72: JOHNSTON, Christopher A., CONKLIN, Donald M., ROSKA, Michael B., ROSSI, William D., STANGELAND, Kevin S.
33: US 31: 61/563,448 32: 2011-11-23
54: WEAR ASSEMBLY
00: -
Wear members for wear assemblies include a lock configured to secure the wear member to a base, where the lock has two engagement positions, namely: (a) a first position that secures the lock to the wear member, and (b) a second position that secures the wear member to the base. The locks are further configured to be unlatched and removed from the wear member in two phases, a first retraction of the latching mechanism, followed by a rotation of the lock itself with removal from the wear member.



21: 2016/01148. 22: 2016/02/19. 43: 2026/01/28
51: A61K; C07D
71: Afferent Pharmaceuticals Inc.
72: FORD, Anthony P., MCCARTHY, Bruce G.
33: US 31: 61/869,174 32: 2013-08-23
54: DIAMINOPYRIMIDINE P2X3 AND P2X 2/3 RECEPTOR MODULATORS FOR TREATMENT OF ACUTE, SUB-ACUTE OR CHRONIC COUGH
00: -
This invention pertains to diaminopyrimidine compounds having activity as antagonists of P2X purinergic receptors, and to methods for treatment of diseases associated with P2X receptors comprising administering an effective amount of a diaminopyrimidine compound. More particularly, methods are provided for using P2X3 and/or P2X2/3 antagonists in the treatment of cough, chronic cough and urge to cough in respiratory conditions and disorders.



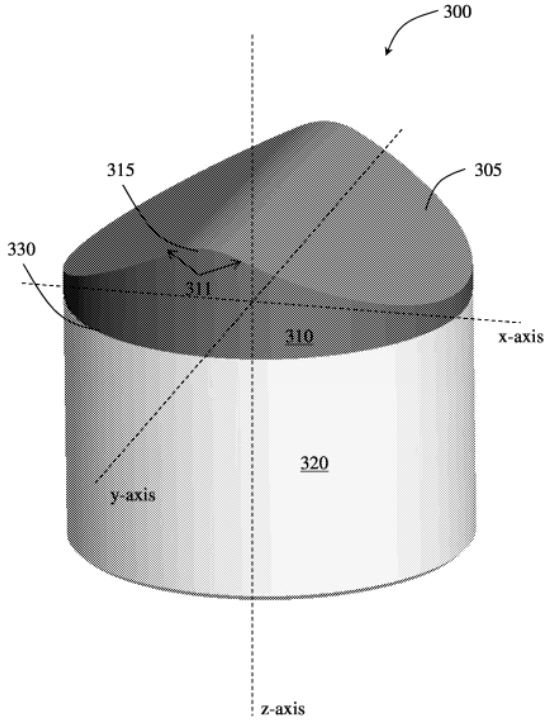
21: 2016/06114. 22: 2016/09/02. 43: 2026/02/20
51: E21B

71: SCHLUMBERGER TECHNOLOGY B.V.
72: CHEN, Chen, SONG, Huimin, ZHAO, Liang, ZHANG, Youhe, AZAR, Michael G., GAN, Xiaoge, KESHAVAN, Madapusi K., LIN, Zhijun, DURAIRAJAN, Bala, STEWART, Michael L.
33: US 31: 61/951,155 32: 2014-03-11
33: US 31: 14/613,144 32: 2015-02-03

54: CUTTING ELEMENTS HAVING NON-PLANAR SURFACES AND DOWNHOLE CUTTING TOOLS USING SUCH CUTTING ELEMENTS

00: -

A cutting element may include a substrate, an upper surface of the substrate including a crest, the crest transitioning into a depressed region, and an ultrahard layer on the upper surface, thereby forming a non-planar interface between the ultrahard layer and the substrate. A top surface of the ultrahard layer includes a cutting crest extending along at least a portion of a diameter of the cutting element, the top surface having a portion extending laterally away from the cutting crest having a lesser height than a peak of the cutting crest.



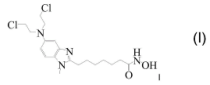
21: 2016/07489. 22: 2016/10/31. 43: 2026/01/14
51: A61K
71: EURO-CELTIQUE S.A.
72: MEHRLING, Thomas Jorg, OCIO, Enrique Maria

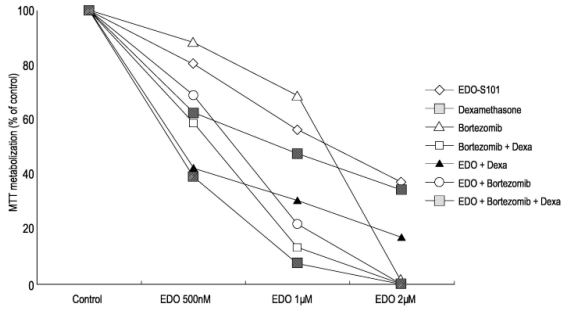
33: GB 31: 1409485.8 32: 2014-05-28

54: COMBINATION COMPRISING A GLUCOCORTICOID AND EDO-S101

00: -

The present invention is directed to a combination comprising a glucocorticoid and a compound of formula I or a pharmaceutically acceptable salt thereof: to a pharmaceutical composition and to a kit both comprising said combination, to the combination, composition or kit for use in the treatment of cancer, and to a method of treatment of cancer in a patient in need thereof comprising administering to said patient an effective amount of said combination, composition or kit.





21: 2017/00872. 22: 2017/02/03. 43: 2026/02/20
51: A61K; C07K
71: NOVARTIS AG, THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
72: WANG, Yongqiang, WU, Qilong, ZHANG, Jiquan, BROGDON, Jennifer, GILL, Saar, GLASS, David, KENDERIAN, Saad, LOEW, Andreas, MANNICK, Joan, MILONE, Michael, MURPHY, Leon, PORTER, David, L., RUELLA, Marco
33: CN 31: PCT/CN2014/084696 32: 2014-08-19
33: CN 31: PCT/CN2014/090508 32: 2014-11-06

54: ANTI-CD123 CHIMERIC ANTIGEN RECEPTOR (CAR) FOR USE IN CANCER TREATMENT

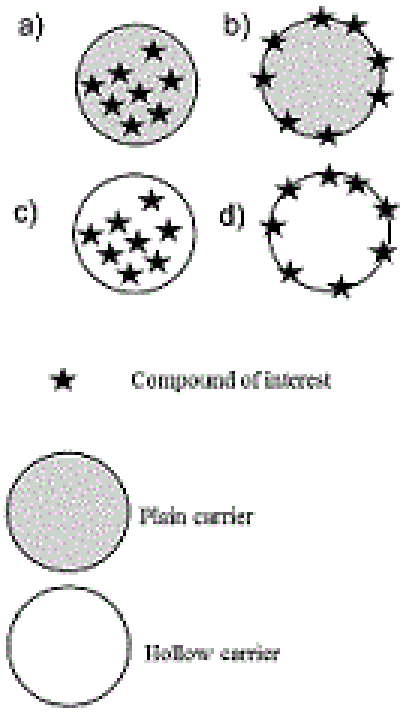
00: -

The invention provides compositions and methods for treating diseases associated with expression of CD 123. The invention also relates to chimeric antigen receptor (CAR) specific to CD123, vectors encoding the same, and recombinant cells comprising the CD123 CAR. The invention also includes methods of administering a genetically

modified cell expressing a CAR that comprises a CD123 binding domain.

21: 2017/03438. 22: 2017/05/18. 43: 2026/01/06
51: A61K; C07K
71: Rinat Neuroscience Corp.
72: ABDICHE, Yasmina Noubia, CHO, Helen Kim, HO, Weihsien, JOOSS, Karin Ute, RAJPAL, Arvind, YOUSSEF, Sawsan
33: US 31: 62/089,658 32: 2014-12-09
54: ANTI-PD-1 ANTIBODIES AND METHODS OF USE THEREOF
00: -
The present discosure provides antagonizing antibodies that bind to programmed cell death protein 1 (PD-1) and methods of using same. The anti-PD-1 antibodies can be used therapeutically alone or in combination with other therapeutics to treat cancer and other diseases.

21: 2017/04103. 22: 2017/06/15. 43: 2026/01/26
51: A61K
71: NANOBIOTIX SA
72: GERMAIN, Matthieu, MEYRE, Marie-Edith, POTTIER, Agnès, LEVY, Laurent
33: EP 31: 14306875.7 32: 2014-11-25
54: PHARMACEUTICAL COMPOSITION, PREPARATION AND USES THEREOF
00: -
The present invention relates to a pharmaceutical composition comprising the combination of (i) at least one biocompatible nanoparticle and of (ii) at least one carrier comprising at least one pharmaceutical compound, to be administered to a subject in need of such a pharmaceutical compound, wherein the combination of the at least one biocompatible nanoparticle and of the at least one carrier comprising the pharmaceutical compound(s) potentiates the compound(s)of interest efficiency. The longest dimension of the biocompatible nanoparticle is typically between about 4 and about 500 nm and its absolute surface charge value is of at least 10 mV(10 m V). The carrier is in addition devoid of any surface sterically stabilizing agent. The invention also relates to such a composition for use for administering the pharmaceutical compound(s) in a subject in need thereof, wherein the at least one biocompatible nanoparticle and the at least one carrier comprising the at least one pharmaceutical compound are to be administered separately in a subject in need of said pharmaceutical compound, typically between more than 5 minutes and about 72 hours one from each other.



21: 2017/04945. 22: 2017/07/20. 43: 2026/01/15
51: B01J; C08G; C09D; C25D
71: SWIMC LLC
72: GELLING, Victoria J., DEBROY, Tapan, REN, Chun
33: US 31: 62/114,228 32: 2015-02-10
54: NOVEL ELECTRODEPOSITION SYSTEM
00: -
An electrocoat system for electrodeposition is described. The system includes an inorganic bismuth-containing compound or a mixture of inorganic and organic bismuth- containing compounds. The system demonstrates a high degree of crosslinking and produces a cured coating with optimal crosslinking and corrosion resistance.

21: 2017/06064. 22: 2017/09/06. 43: 2026/01/06
51: E02F; G08B
71: ESCO Group LLC
72: CARPENTER, Christopher M., ZUENDEL, Karsten D., COWGILL, Noah D., HOYT, Joshua K., SAYLER, David J.
33: US 31: 62/116,216 32: 2015-02-13

54: MONITORING GROUND-ENGAGING PRODUCTS FOR EARTH WORKING EQUIPMENT
00: -
A system and tool for monitoring ground-engaging products for earth working equipment that can monitor characteristics such as part identification, presence, condition, usage, and/or performance of the products on earth working equipment used, for example, in mining, construction, and dredging environments. The monitoring tool includes or is supported by a mobile device that is separate from the earth working equipment. Supporting the monitoring tool on a mobile device can, e.g., provide unique vantage points to monitor the earth working equipment products, monitor the products without inhibiting the operation of the earth working equipment or endangering personnel, closely approach areas of interest for secure and reliable gathering of information, monitor multiple earth working equipment, and/or be protected from the vibrations and impact shocks that can be associated with earth working equipment.

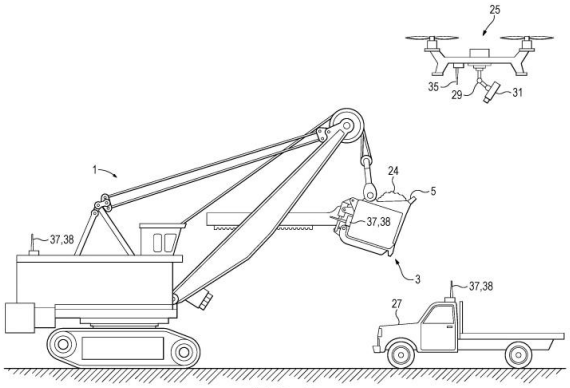
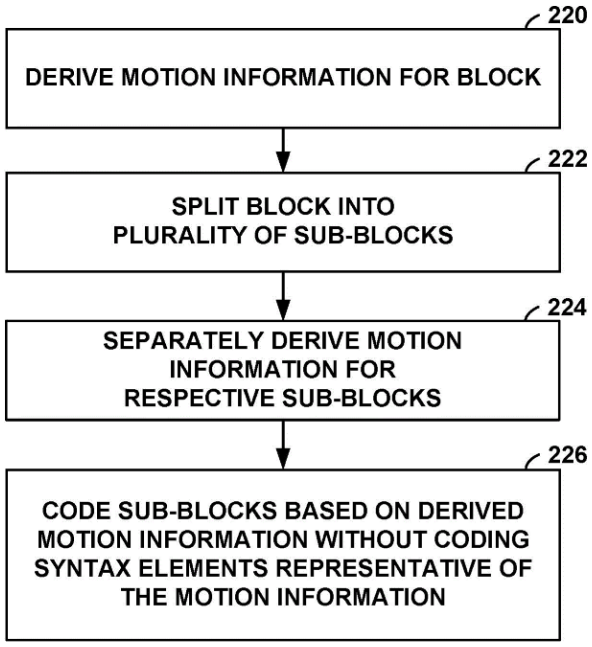


FIG. 7

21: 2017/06469. 22: 2017/09/26. 43: 2026/01/15
51: H04N
71: QUALCOMM Incorporated
72: LI, Xiang, CHEN, Ying, ZHANG , Li, LIU, Hongbin, CHEN, Jianle, KARCZEWICZ, Marta
33: US 31: 62/139,572 32: 2015-03-27
54: DERIVING MOTION INFORMATION FOR SUB-BLOCKS IN VIDEO CODING
00: -
In an example, a method of processing video data includes splitting a current block of video data into a plurality of sub-blocks for deriving motion information of the current block, where the motion information indicates motion of the current block relative to reference video data. The method also includes deriving, separately for each respective sub-block of the plurality of sub-blocks, motion information comprising performing a motion search for a first set of reference data that corresponds to a second set of reference data outside of each respective sub-block. The method also includes decoding the plurality of sub-blocks based on the derived motion information and without decoding syntax elements representative of the motion information.



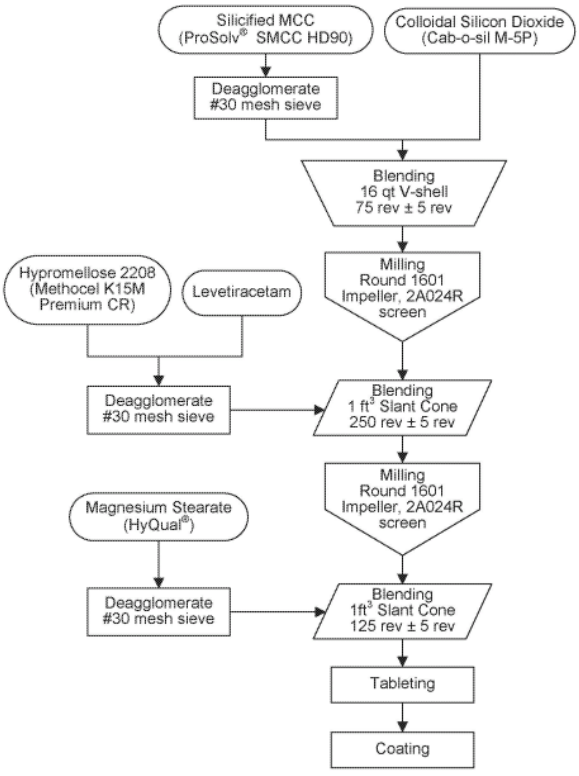
21: 2017/06676. 22: 2017/10/04. 43: 2026/01/07
51: A23K; C12N; C12P
71: Syngenta Participations AG
72: WITHERSPOON, David, IRAGAVARAPU, Tammiraj Kumar
33: US 31: 62/145,587 32: 2015-04-10
54: ANIMAL FEED COMPOSITIONS AND METHODS OF USE
00: -
The invention provides an animal feed composition comprising microbial a-amylase. The invention further provides methods of increasing the growth (weight gain), the average daily weight gain or the efficiency of feed utilization by an animal or reducing the number of days needed to achieve a desired weight in an animal, comprising feeding to the animal an animal feed composition of the present invention.

21: 2017/08703. 22: 2017/12/20. 43: 2026/01/07
51: A61K
71: AgeneBio, Inc.
72: GALLAGHER, Michela, ROSENZWEIG-LIPSON, Sharon, MELSOPP, Elsie, JAMES, Jack Lawrence, PAYIE, Kenneth Garry
33: US 31: 62/165,812 32: 2015-05-22

54: EXTENDED RELEASE PHARMACEUTICAL COMPOSITIONS OF LEVETIRACETAM

00: -

This invention relates to novel extended release pharmaceutical compositions of levetiracetam and preparations and characterizations thereof. This invention further relates to using these extended release pharmaceutical compositions of levetiracetam for the treatment of cognitive impairment associated with central nervous system (CNS) disorders in a subject in need or at risk thereof.

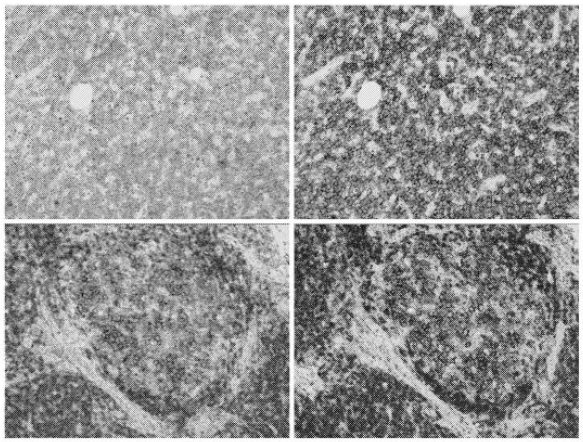


21: 2018/00830. 22: 2018/02/08. 43: 2026/01/15
51: A61K; C07K
71: Debiopharm International, S.A.
72: DECKERT, Jutta, TAVARES, Daniel, RUI, Lingyun, LOEBRICH, Sven, KELLY, Meghan
33: US 31: 62/211,455 32: 2015-08-28

54: ANTIBODIES AND ASSAYS FOR DETECTION OF CD37

00: -

The invention generally relates to antibodies that bind to human CD37 and diagnostic assays for CD37-based therapies.

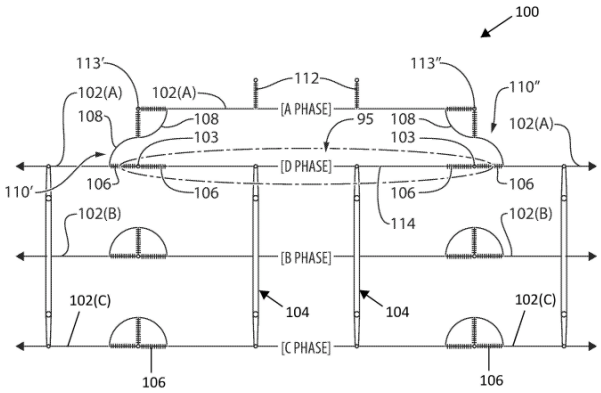


21: 2018/01645. 22: 2018/03/09. 43: 2026/01/15
51: H02G
71: Quanta Associates, L.P.
72: O'CONNELL, Daniel Neil, WABNEGGER, David Karl, QUAEDVLIEG, PHILLIP HOWARD, PALMER, Robert Wayne
33: US 31: 62/204,037 32: 2015-08-12

54: LIVE CONDUCTOR STRINGING, MAINTENANCE AND REPAIR METHOD

00: -

The present invention relates to replacing conductors in a high-voltage power transfer system. The method provides, for example, a method for maintaining sections of electrically conductive phases in a three-phase power conductor line, wherein the three phases are parallel and spaced apart in an ordered sequence. The phases are strung between support structures and supported above the ground. Maintenance work, which include replacement or repair, is performed on sections of the three phases without interrupting a power load in any one of the three phases and without transposing the relative positions of the phases out of their ordered sequence.



21: 2018/01672. 22: 2018/03/12. 43: 2026/02/18
51: F15B
71: METSO SWEDEN AB
72: FOWLER, Stephen, Francis, GORDON, Mitchell, TAYLOR, David, John, Buchanon
33: AU 31: 2015903670 32: 2015-09-09
54: LINEAR ACTUATOR WITH ROTARY POSITIONAL OUTPUT
00: -
This invention provides a linear actuator with a cylinder defining a cylinder axis. A piston is movable within the cylinder along the cylinder axis, and a piston rod extends axially from the piston for connection to a mechanism whereby in use, movement of the piston actuates the mechanism. A rotary output mechanism includes a rotary output element extending generally transversely from the cylinder and supported for rotation about an output axis generally normal to the cylinder axis. The rotary output mechanism is responsive to movement of the piston, and the rotary output element is adapted for operative engagement with an instrument mounted to the cylinder such that axial movement of the piston effects a corresponding rotational displacement of the rotary output element, whereby in use the instrument provides an output signal indicative of the position of the piston within the cylinder.

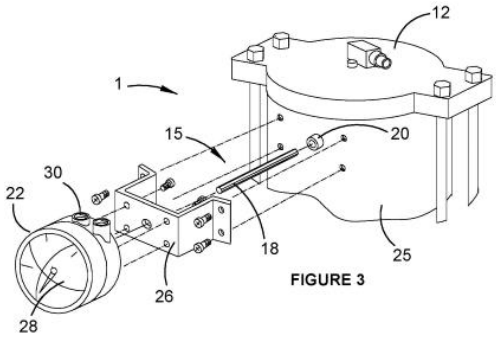


FIGURE 3

21: 2018/01860. 22: 2018/03/20. 43: 2026/01/08
51: B66C; B66D
71: OLKO-Maschinentechnik GmbH
72: KÖSTERKE, Uwe, WEST, Markus
33: DE 31: 10 2015 116 506.6 32: 2015-09-29
54: MOBILE SHAFT WINCH
00: -
The invention relates to a mobile shaft winch, comprising a carrier vehicle having a vehicle drive, provided with an internal combustion engine, a rigid main frame, and a rotary platform that is arranged on the main frame by means of a rotary connection, and a drum winch which is arranged on the rotary platform and has a cable drum driven by a winch drive, designed for winding and unwinding a conveyor cable. The winch drive comprises a hydraulic motor and a hydraulic system arranged on the carrier vehicle, having a hydraulic pump driven by an electric motor, the suction side of which is in fluid-conducting connection with a tank for hydraulic fluid, and the pressure side of which is in fluid-conducting connection with the hydraulic motor. In order to provide a mobile shaft winch that requires less installation space, and has less weight and a simpler construction, according to the invention - the hydraulic motor is in fluid-conducting connection with the pressure side of a single hydraulic pump, - the internal combustion engine of the vehicle drive drives an electric generator via an auxiliary output drive, and - the electric motor is configured to be selectively operated on a power supply system or the electric generator.

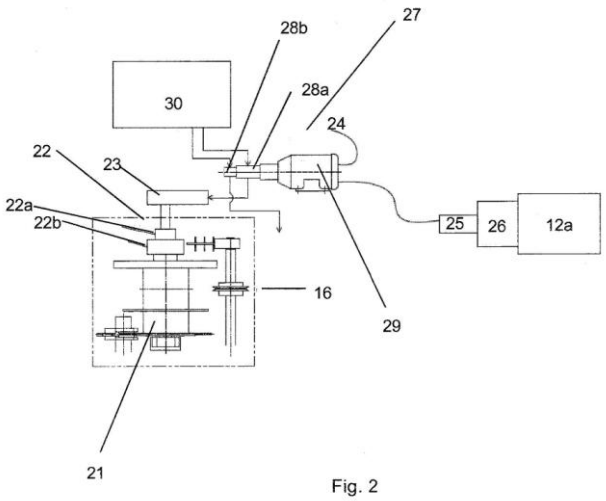


Fig. 2

21: 2018/02867. 22: 2018/05/02. 43: 2026/02/19
51: A61K; C07K; A61P
71: ABLYNX N.V.
72: KUENKELE, Klaus-Peter, BUYSE, Marie-Ange, CROMIE, Karen, STAELENS, Stephanie, ZINZALLA, Vittoria, STRUBBE, Beatrijs
33: EP 31: 15197999.4 32: 2015-12-04
54: BIPARATOPIC POLYPEPTIDES ANTAGONIZING WNT SIGNALING IN TUMOR CELLS
00: -
The invention provides novel biparatopic LRP5/LRP6 cross-reactive binding polypeptides, and more specifically novel biparatopic LRP5/LRP6 cross-reactive immunoglobulin single variable domain constructs which can inhibit Wnt signaling pathways. The invention also relates to specific sequences of such polypeptides, methods of their production, and methods of using them, including methods of treatment of diseases such as cancer.

21: 2018/03678. 22: 2018/06/01. 43: 2026/02/19
51: A61K
71: MEXICHEM FLUOR S.A. DE C.V.
72: CORR, Stuart, NOAKES, Timothy James
33: GB 31: 1521456.2 32: 2015-12-04
33: GB 31: 1615916.2 32: 2016-09-19
54: PHARMACEUTICAL COMPOSITION
00: -
A pharmaceutical composition is described. The composition comprises: (i) at least one formoterol compound selected from formoterol, pharmaceutically acceptable salts of formoterol, prodrugs of formoterol, solvates of formoterol, solvates of pharmaceutically acceptable salts of formoterol and solvates of prodrugs of formoterol; (ii) at least one corticosteroid; (iii) a surfactant component comprising at least one surfactant compound; and (iv) a propellant component comprising 1,1 - difluoroethane (R-152a).

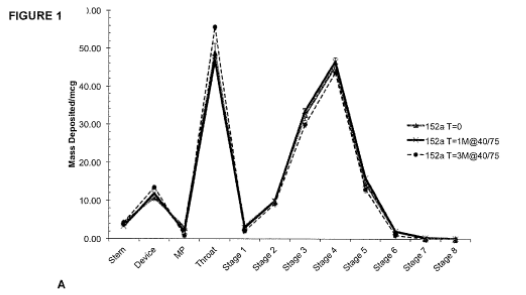


Figure 1. APSD profile of budesonide (A) and formoterol (B) actuated from a combination budesonide/formoterol formulation in HFA 152a actuated into a NGI at 30 L.min^{-1}.

21: 2018/03750. 22: 2018/06/06. 43: 2026/01/07
51: A23K
71: Hill's Pet Nutrition, Inc.
72: JACKSON, Matthew, JEWELL, Dennis Edward
54: PET FOOD COMPOSITIONS
00: -
Described herein are controlled release pet food compositions comprising: a matrix comprising: a fiber component comprising a high solubility fiber source and low solubility fiber source, and a polyphenol source; wherein the matrix is adapted to deliver the polyphenol source to the lower gastrointestinal (GI) tract of a mammal after ingestion by the mammal. Methods of making and using these compositions are also described.

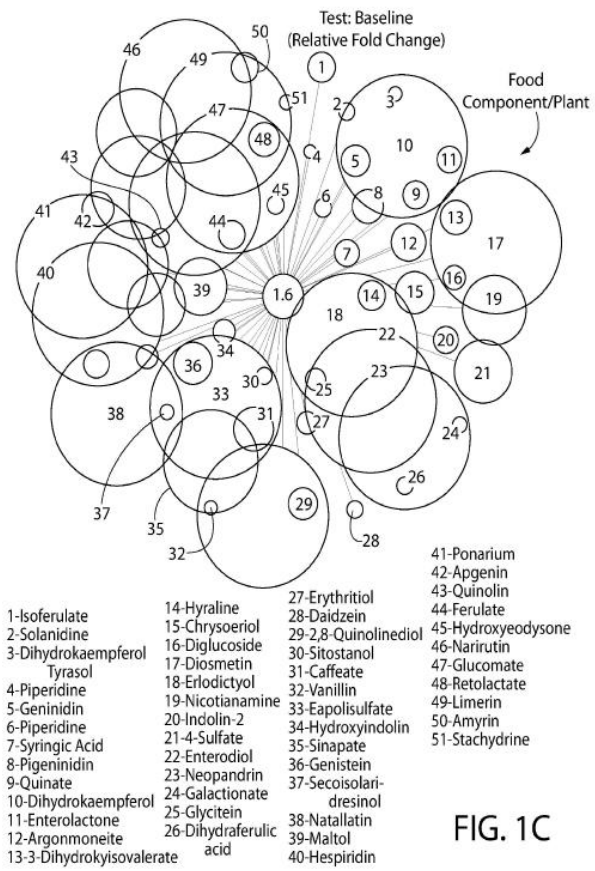
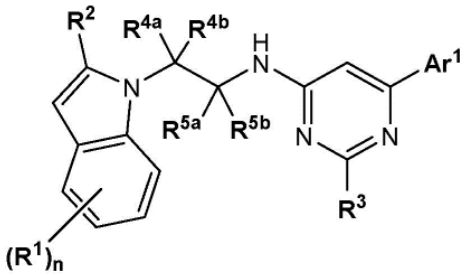


FIG. 1C

21: 2018/04099. 22: 2018/06/19. 43: 2026/01/07
51: A61K; A61P; C07D
71: Idorsia Pharmaceuticals Ltd
72: FRETZ, Heinz, LYOTHIER, Isabelle, POTHIER, Julien, RICHARD-BILDSTEIN, Sylvia, SIFFERLEN, Thierry, WYDER PETERS, Lorenza, POZZI, Davide, CORMINBOEUF, Olivier
33: PCT/EP(CH) 31: 2015/077269 32: 2015-11-20
54: N-SUBSTITUTED INDOLE DERIVATIVES AS PGE2 RECEPTOR MODULATORS
00: -
The present invention relates to derivativesof formula (I) wherein $(R^1)n$, R^2, R^3, R^{4a}, R^{4b}, R^{5a}, R^{5b} and Ar^1 are as described in the description, to their preparation, to pharmaceutically acceptable salts thereof, and to their use as pharmaceuticals, to pharmaceutical compositions containing one or more compounds of formula (I), and especially to their use as modulators of the prostaglandin 2 receptors EP2 and/or EP4.



(I)

21: 2018/05484. 22: 2018/08/16. 43: 2026/01/06
51: B01J; C11D
71: Firmenich SA
72: BOUQUERAND, Pierre-Etienne, ELABBADI, Amal, MAIO, Serge, DARDELLE, Gregory, NORMAND, Valery
33: EP(CH) 31: 16153927.5 32: 2016-02-02
54: PROCESS FOR DRYING A SUSPENSION AT ROOM TEMPERATURE
00: -
The present invention relates to a new process for the preparation of powdered microcapsules encapsulating active volatile active ingredients, in particular a perfume or a flavour, said process being performed at room temperature. Powdered microcapsules obtainable by said process are also an object of the invention. Perfuming and flavouring compositions as well as consumer products comprising said capsules are also part of the invention.

21: 2018/05641. 22: 2018/08/23. 43: 2026/02/19
51: A24F
71: RAI STRATEGIC HOLDINGS, INC.
72: LAMB, Wilson, Christopher, AMPOLINI, Frederic Philippe, HENRY, Raymond, C., Jr.
33: US 31: 15/061,529 32: 2016-03-04
54: FLEXIBLE DISPLAY FOR AN AEROSOL DELIVERY DEVICE
00: -
An aerosol delivery device is provided that includes at least one housing equipped with a heating element and containing an aerosol precursor composition, the heating element being configured to activate and vaporize components of the aerosol precursor composition. The aerosol delivery device also includes a flexible, emissive or electronic paper display on and contoured to the at least one housing, and controllable to present information of the aerosol delivery device, such as an amount of

remaining aerosol precursor composition or charge of a power source of the heating element.

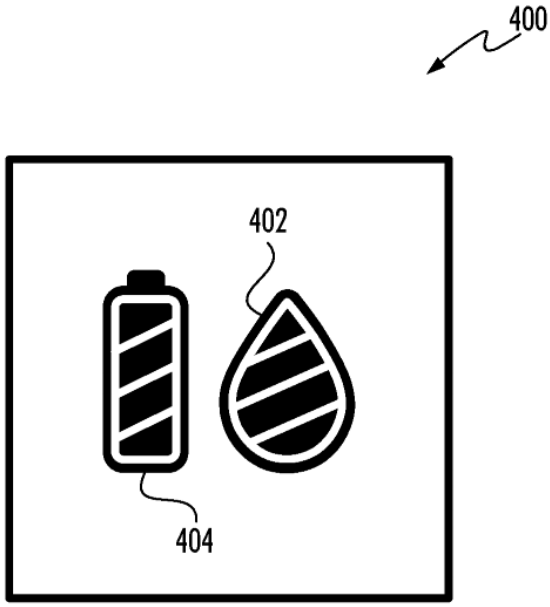
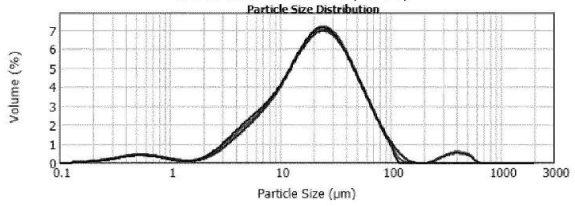


FIG. 4

21: 2018/07293. 22: 2018/10/31. 43: 2026/01/13
51: A21D; A23G; A23L; A23P
71: Société des Produits Nestlé S.A.
72: ABU-HARDAN, Madian Othman, BONARIUS, Gijsbert Adriaan, CLEMENT, Patrick, MARION, Sophie, CLARK, Benedict Timothy, JONES, Stuart David Hamer
33: EP(CH) 31: 16163531.3 32: 2016-04-01
54: INGREDIENT FOR FOODSTUFFS
00: -

There is described an edible particulate material comprising from 80% to 100% by weight based on total weight of the material of a processable, microbially released, flavour acceptable bran-like material, characterized by the following parameters:(i) mean particle size by volume (Vol. MPS) of from 5 to 100 microns; (ii) volume particle size distribution (Vol. PSD) characterized by the parameters: $D_{90,3}$ less than or equal to 350 microns, and $D_{50,3}$ less than or equal to 50 microns, and optionally $D_{10,3}$ less than or equal to 15 microns, (iii) mean particle sphericity as measured by a S_{mean} of greater than or equal to 0.75; (iv) where processable means has oil holding capacity (OHC) of from 0.7 to 1.5; (v) where microbially released means material has common microbes below given limits (preferably free of common microbes) (vi) where flavour acceptable denotes a lipase activity (LA) and a peroxidase activity (PA) both less than or equal to 2 U/g optionally a low degree of roasted flavour notes as defined herein. The bran as described may added to foodstuffs for example be used as a bulk ingredient to replace sugar and/or to provide filling and/or coatings having improved hiding ability when used as layers in multilayer foodstuffs.

CELL MILLED BRAN (Ex 14)



21: 2018/07363. 22: 2018/11/02. 43: 2026/02/19
51: C09K; E04B
71: TREMCO ILLBRUCK LIMITED, TREMCO ILLBRUCK GMBH
72: OUTRAM, Ian, JONES, Simon, TAYLOR, Andrew, GEYER, Walter, KOMMA, Markus, PRONOLD, Michael
33: DE 31: 10 2016 108 538.3 32: 2016-05-09
54: FIRE-STOPPING PRODUCT
00: -
A fire-stopping material for use in sandwich panels is provided, wherein the fire- stopping material comprises a resilient, porous material at least partially impregnated with an intumescent agent. A panel for an internal wall and an internal wall are also provided, comprising the fire-stopping material disposed between two substantially parallel boards, such as plaster boards. A method of providing a service penetration through an internal wall is also provided.

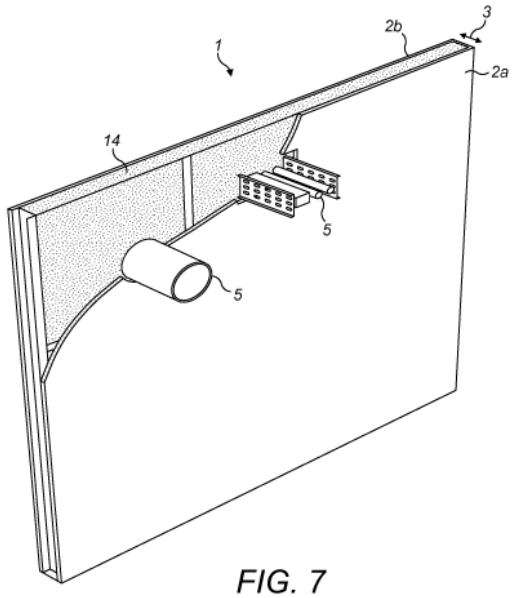
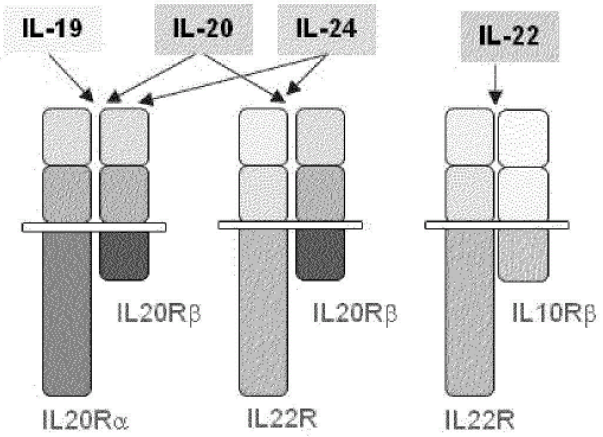
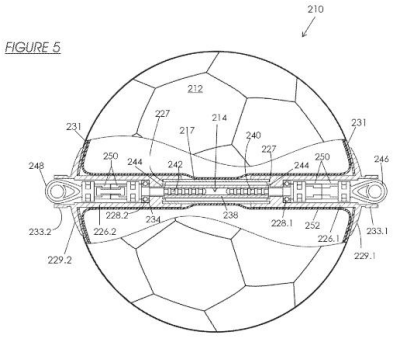


FIG. 7

21: 2018/07816. 22: 2018/11/20. 43: 2026/01/13
51: C07K
71: argenx BVBA
72: BLANCHETOT, Christophe Frederic Jerome, URSØ, Birgitte, SKAK-NIELSEN, Tine, BERTELSEN, Malene, VAN DER WONING, Sebastian, SAUNDERS, Michael, DE HAARD, Johannes Joseph Wilhelmus
33: GB 31: 1612337.4 32: 2016-07-15
54: ANTI-IL-22R ANTIBODIES
00: -
The present invention relates to antibodies and antigen binding fragments thereof which bind to the cytokine receptor IL-22R, particularly human IL-22R. The invention also relates to pharmaceutical compositions comprising said antibodies or antigen binding fragments thereof, and methods of treating psoriasis, psoriatic arthritis or atopic dermatitis.



21: 2018/08120. 22: 2018/11/30. 43: 2025/08/06
51: A63B
71: BRORSON, Graeme Mark
72: BRORSON, Graeme Mark
33: ZA 31: 2016/08269 32: 2017-04-30
54: APPARATUS FOR DEVELOPING AND/OR TRAINING BALL SKILLS
00: -
An apparatus (10; 100; 210) for developing and/or training ball skills comprising a ball (12; 112; 212) having a passage there through receiving therein an outer sleeve (14; 217) having first and second opposite open regions (217.1; 217.2), first and second hollow fastening formations (26; 126; 226.1; 226.2) each engaging the outer sleeve, and each providing a collar arrangement (229) abutting against opposite outer surfaces of the ball (12, 1 12; 212) the first and second hollow fastening formations (26; 126; 226.1; 226.2) preventing displacement of the sleeve away from the ball. The apparatus (10; 100; 210) further comprises first and second bearing assemblies (28; 228.1; 228.2) received into the first and second hollow fastening formations (26; 126; 226.1; 226.2), respectively, and a securing means including an inner sleeve (228) received within, but spaced from the outer sleeve, and first and second opposite members (240; 242) protruding inwardly through the first and second hollow fastening (26; 126; 226.1; 226.2) formations, respectively, and through the first and second bearing assemblies (28; 228.1; 228.2), respectively, to securingly engage the inner sleeve (238).



21: 2019/01138. 22: 2019/02/22. 43: 2026/01/06
51: B04C
71: Vulco S.A.
72: LOCKYER, Mark, SWITZER, Debra, LOPEZ, Javier, CEPEDA, Eduardo
33: AU 31: 2016903532 32: 2016-09-02
54: A HYDROCYCLONE
00: -

A hydrocyclone (10) is disclosed in which the inlet section (14) of the chamber (13) has a curved inner side wall surface (29) which is generally in the shape of a volute (28), for directing material received in use from the feed inlet port (17) in a rotational motion. In the embodiment shown, the volute (28) is ramped axially downward within the inlet section (14), in a direction towards the conical separating section (15), and turns through an angle of more than 270 angle degrees. The conical section has a central axis X-X, and comprises two segments 32, 34 each being of a frustoconical shape, and joined together end to end to form a generally conical separating chamber (15). An internal angle A located between an inner wall surface (50) of the so-formed conical separating chamber (15) and a line parallel to the central axis X-X is ideally less than (8) angle degrees, to provide a hydrocyclone design with beneficial operating parameters.

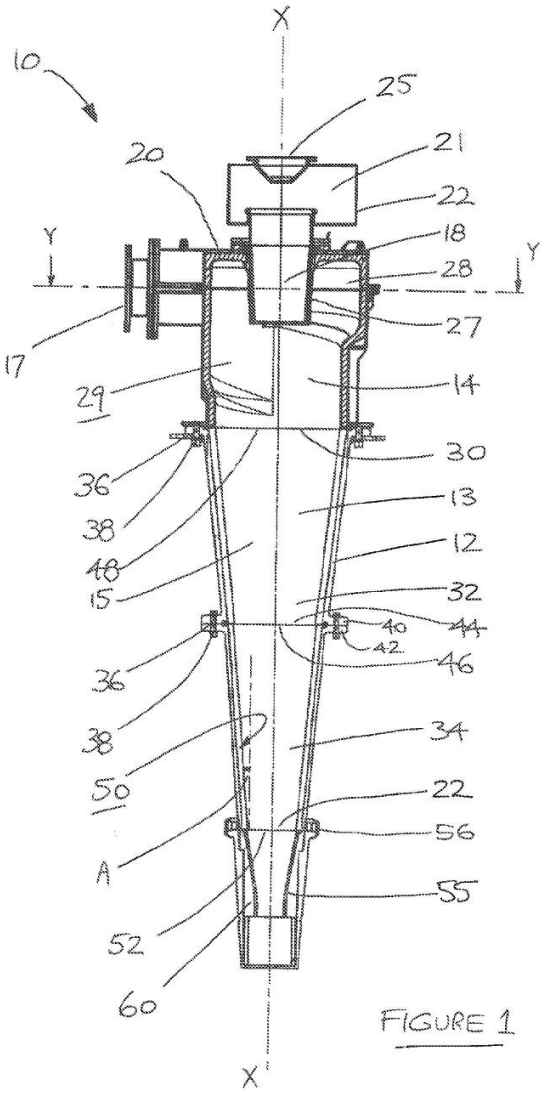
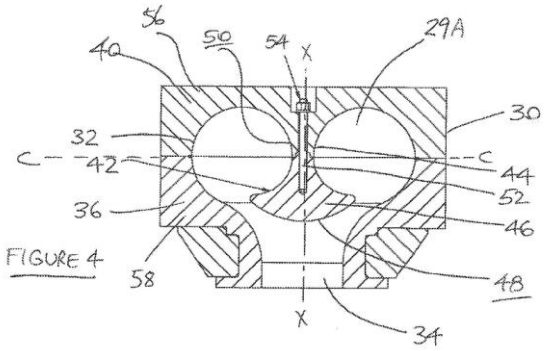


FIGURE 1

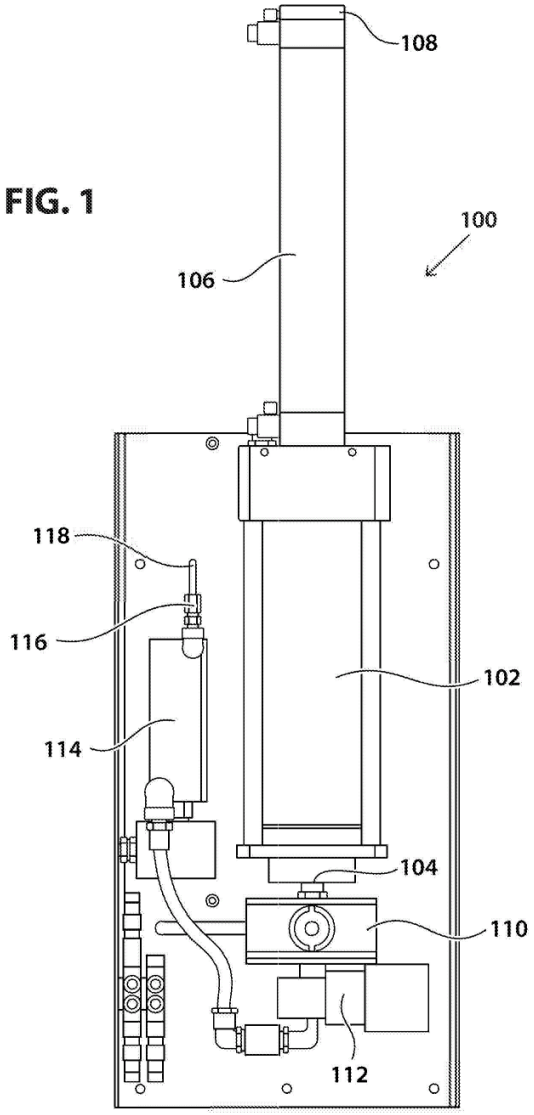
21: 2019/01140. 22: 2019/02/22. 43: 2026/01/06
51: B04C
71: Vulco S.A.
72: RADEMACHER, Marcelo, CINOTTI, Nestor
33: AU 31: 2016903535 32: 2016-09-02
54: HYDROCYCLONE OVERFLOW OUTLET CONTROL DEVICE
00: -

The chamber (29A) of the overflow outlet control device (21A) has an inner circumferential surface which, when viewed in cross-sectional plan view, is generally in the shape of a volute, for directing material entering the chamber (29A) via the circular inlet (34) at the base portion (36) tangentially outward towards the discharge outlet (22A) located in the side wall (38). The top wall region (40) of the

interior wall of the chamber (29A), a side wall portion (32) and base portion (36) together seamlessly form the chamber (29A) which is curved in shape internally. When material flows in use between the inlet (34) and the discharge outlet (22A), and passes through the central chamber (29A), it encounters no sharp corners or edges, but just smoothly curved or rounded interior wall surfaces. The top wall region (40) of the chamber (29A) also features a protruding flow control formation (42) which is joined or formed therewith, and which is arranged to extend into the chamber (29A), being directed face towards the inlet (34) such that in use the flow of material into the chamber (29A) via the inlet (34) directly encounters the formation (42).



21: 2019/01398. 22: 2019/03/06. 43: 2026/01/13
51: A01M; A61L; B05B; B05D
71: United Phosphorus, Ltd. and its subsidiary Decco US Post-Harvest Inc.
72: DIAMANT, Brian, SEYMORE, Travis
33: US 31: 62/379,191 32: 2016-08-24
54: THERMAL INJECTION SYSTEM AND METHOD OF USE
00: -
Disclosed are methods of thermal fogging that include dispensing a predetermined amount of an agricultural formulation from a cartridge, wherein the agricultural formulation has a viscosity of greater than about 500 cP at room temperature; using an inline heater to heat the predetermined amount of the agricultural formulation to a predetermined temperature, wherein the agricultural formulation has a viscosity of less than about 400 cP at or above 140 degrees Fahrenheit; and aerosolizing the agricultural formulation with a thermal fogging apparatus. Also disclosed are systems for carrying out the methods, as well as cartridges for use in the disclosed systems.



21: 2019/01459. 22: 2019/03/08. 43: 2026/01/15
51: H01H; H02H
71: Eaton Intelligent Power Limited
72: ASKAN, Kenan
33: DE 31: 10 2016 117 006.2 32: 2016-09-09
54: CIRCUIT BREAKER
00: -
The invention relates to a circuit breaker (1) having an external conductor section (2) and a neutral conductor section (5), wherein a mechanical bypass switch (8) and a first mechanical isolating switch (9) are arranged in series in the external conductor

section (2), wherein a second mechanical isolating switch (10) is arranged in the neutral conductor section (5), wherein a semiconductor circuit arrangement (11) of the circuit breaker (1) is connected in parallel with the bypass switch (8), wherein an electronic control unit (13) is designed to operate the bypass switch (8), the first mechanical isolating switch (9), the second mechanical isolating switch (10) and the semiconductor circuit arrangement (11) in a predefinable manner, a voltage-dependent resistor (19), in particular a varistor, being arranged in parallel with the bypass switch (8). According to the invention, the electronic control unit (13) is designed such that, when the circuit breaker (1) is switched on, it first operates the second mechanical isolating switch (10) to close, then operates the first mechanical isolating switch (9) to close, and switches the semiconductor circuit arrangement (11) on after a predefinable first time period.

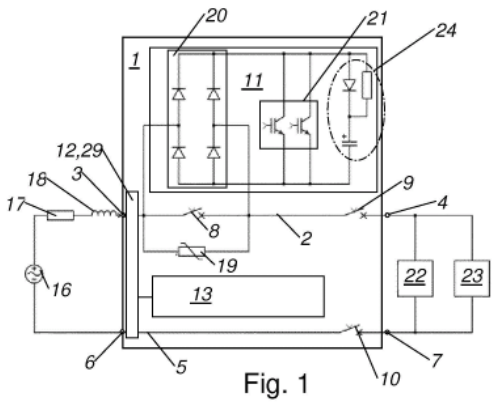
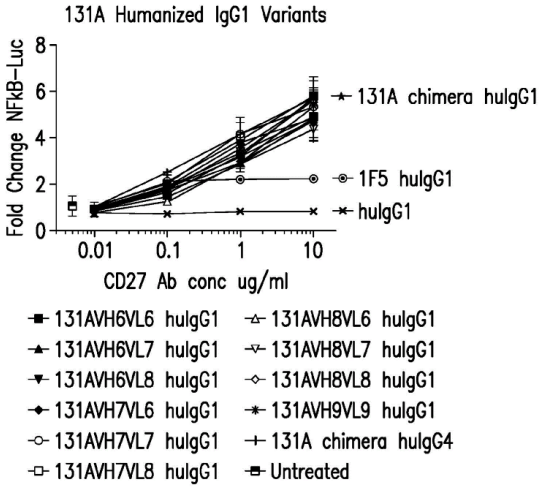


Fig. 1

21: 2019/01630. 22: 2019/03/15. 43: 2026/01/08
51: C07K
71: Merck Sharp & Dohme B.V., Merck Sharp & Dohme LLC
72: BEEBE, Amy M., CHEUNG, Jason Ka Jen, JUAN, Veronica, FAYADAT-DILMAN, Laurence, SADEKOVA, Svetlana, WONG, Jerelyn, FISCHMANN, Thierry Olivier, PROSISE, Winifred W., VAN EENENNAAM, Hans, VAN ELSAS, Andrea, GUELEN, Lars
33: US 31: 62/399,837 32: 2016-09-26
54: ANTI-CD27 ANTIBODIES
00: -
The present invention relates to anti-CD27 antibodies, as well as use antibodies in the treatment of diseases such as cancer and infectious disease.



21: 2019/01782. 22: 2019/03/22. 43: 2026/01/08
51: A61K; A61P; C07K; C12N; G01N
71: Akeso Pharmaceuticals, Inc.
72: LI, Baiyong, XIA, Yu, WANG, Zhongmin Maxwell, ZHANG, Peng
33: CN 31: 201610705624.2 32: 2016-08-23
54: ANTI-CTLA4 AND ANTI-PD-1 BIFUNCTIONAL ANTIBODY, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF
00: -
An anti-CTLA4 (cytotoxic T lymphocyte associated antigen 4) and anti-PD-1 (programmed cell death 1) bifunctional antibody, a pharmaceutical composition thereof and use thereof. Particularly, the anti-CTLA4 and anti-PD-1 bifunctional antibody comprises a first protein functional domain that targets PD-I and a second protein functional domain that targets CTLA4. The bifunctional antibody can bind toCTLA4 and PD-1 specifically, relieve immunosuppression of CTLA4 and PD-1 on an organism specifically, activate T lymphocytes, and thus has good application prospects.

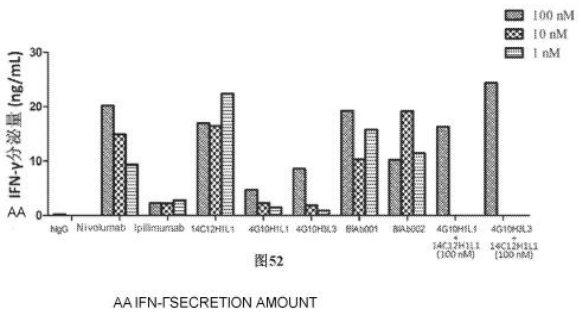


图52

AA IFN-ΓSECRETION AMOUNT

21: 2019/01783. 22: 2019/03/22. 43: 2026/01/08
51: E02F; F16B
71: ESCO Group LLC
72: GREWELL, Christopher E., ZIMMERMAN, Lee A.
33: US 31: 62/397,686 32: 2016-09-21
54: PIN ASSEMBLY
00: -
A pin for pivotally connecting two components together is received in aligned openings of the two components. One end of the pin has a head of reduced dimension to be received in a correspondingly-shaped opening in one of the components. Axial movement of the pin in the openings is limited by a lock that engages the head of the pin.

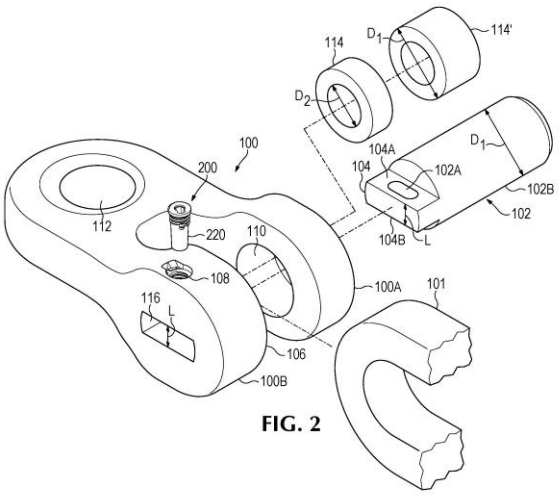
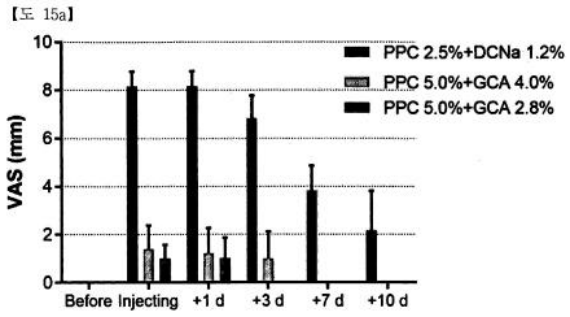
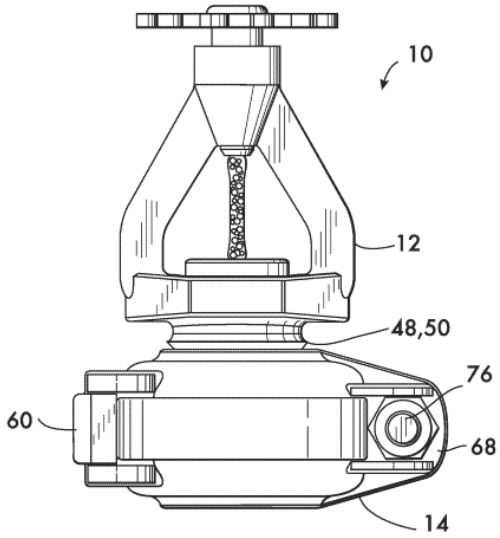


FIG. 2

21: 2019/02617. 22: 2019/04/25. 43: 2026/01/07
51: A61K
71: Ami Pharm Co., Ltd.
72: LEE, Ki Taek
33: KR 31: 10-2017-0051868 32: 2017-04-21
54: INJECTABLE COMPOSITION FOR LOCALIZED FAT REDUCTION WITHOUT PAIN, EDEMA, AND SIDE EFFECTS, AND METHOD FOR PREPARING SAME
00: -
The present invention relates to an injectable composition for topical fat reduction without pain, edema, and side effects, and a method for preparing the same and, more specifically, to an injectable composition for topical fat reduction, wherein the injectable composition contains a particular mixing ratio of glycocholic acid (or a salt thereof) or taurocholic acid (or a salt thereof) and phosphatidylcholine (PPC), and thus causes no pain, edema, and side effects, such as necrosis of muscle cells, fibroblasts, vascular endothelial cells, besides adipocytes, anesthesia of a site of administration, extensive swelling, erythema, hardening, abnormal sensation, nodules, itching, burning sensation, nerve damage, and aphagopraxia, and to a method for preparing the composition. A DCA single injection, which has been known as an existing injection for topical fat reduction, or a composition of a PPC injection mixed with DCA as a solubilizer, is accompanied by pain and side effects, such as anesthesia, extensive swelling, topical edema, erythema, hardening, abnormal sensation, nodules, itching, burning sensation, and aphagopraxia, due to necrosis necessarily caused by lysis of even fibroblasts, vascular endothelial cells, and muscle cells, besides adipocytes, so that patients complain of pain, discomfort, and anxiety, and show low drug compliance, but the injection for topical fat reduction of the present invention has an excellent composition, which improves the quality of lives of patients and increases the drug compliance since the preparation is safe and stable and has excellent lipolysis and adipocytic apoptosis inducing effects, selectively to only adipocytes, leading to no side effects described above.



21: 2019/02959. 22: 2019/05/10. 43: 2026/02/20
51: A62C
71: VICTAULIC COMPANY
72: BANCROFT, Philip Wayne, WAKE, Daniel, SALEH, Ahmed, BOWMAN, Matthew A., HANEY, Craig
33: US 31: 62/448,105 32: 2017-01-19
33: US 31: 62/520,668 32: 2017-06-16
54: DIRECT COUPLING COMPATIBLE SPRINKLER
00: -
A combination fire suppression sprinkler and coupling is provided in a pre-assembled state for rapid installation into a piping network. Coupling segments are pivotably hinged and an adjustable attachment assembly opposite the hinge secures the segments to one another. In the pre-assembled state the segments are held at a separation angle sufficient to permit insertion of a pipe element into the coupling without disassembling the coupling.



21: 2019/03198. 22: 2019/05/21. 43: 2026/01/07
51: B01J; C22B
71: 6th Wave Innovations Corp.
72: SOUTHARD, Glen E., GLUCKMAN, Jonathan P.
33: US 31: 62/417,164 32: 2016-11-03
54: MOLECULARLY IMPRINTED POLYMER BEADS FOR EXTRACTION OF LITHIUM, MERCURY, AND SCANDIUM
00: -
The present disclosure provides Molecularly Imprinted Polymer (MIP) technology for selectively sequestering one or more target molecules from chemical mixtures. Also disclosed herein are MIP beads and methods of making and using thereof.

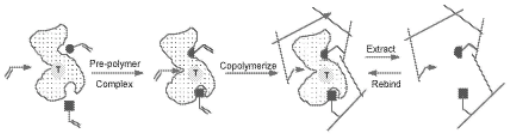


Figure 1: Schematic of MIP Preparation

21: 2019/03377. 22: 2019/05/28. 43: 2026/01/07
51: A23K
71: Hill's Pet Nutrition, Inc.
72: JACKSON, Matthew, JEWELL, Dennis
33: US 31: 15/381,835 32: 2016-12-16
54: PET FOOD COMPOSITIONS
00: -

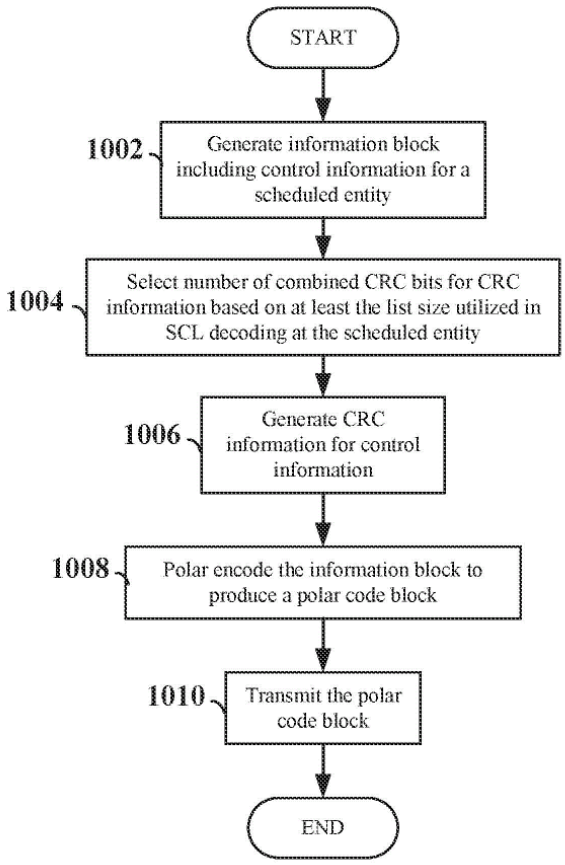
Described herein are pet food compositions comprising a *Camellia* extract obtained from the tissue of a tea which is greater than about 40% oxidized; and a fiber component, wherein the *Camellia* extract and the fiber component are present in an amount effective to provide, after about 24 hours post-ingestion, a fecal hydrogen sulfide concentration of less than 450 mg/L, and a colonic lumen pH of less than 5.0. Methods of making and using these pet food compositions are also described.

21: 2019/03871. 22: 2019/06/14. 43: 2026/01/06
51: H03M; H04L
71: QUALCOMM Incorporated
72: XU, Changlong, SORIAGA, Joseph Binamira, HOU, Jilei
33: PCT/CN 31: 2016/110088 32: 2016-12-15

54: CRC BITS FOR JOINT DECODING AND VERIFICATION OF CONTROL INFORMATION USING POLAR CODES

00: -

Aspects of the disclosure relate to wireless communication systems configured to provide techniques for polar coding control information together with combined cyclic redundancy check (CRC) information. The combined CRC information may include a number of CRC bits selected to jointly decode and verify the control information to reduce the CRC overhead.



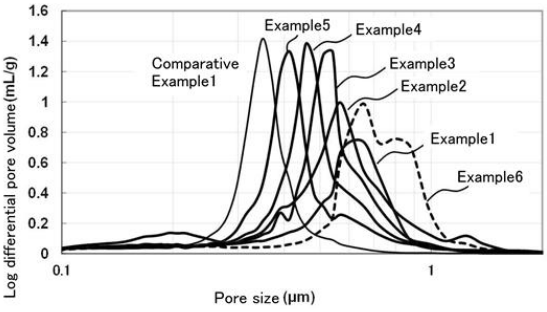
21: 2019/04079. 22: 2019/06/24. 43: 2026/02/20
51: B01J; C01D; C07B; C07C
71: MITSUI CHEMICALS, INC.
72: MURAKAMI, Masami, TAKAHASHI, Naoya, NIISHIRO Ryo
33: JP 31: 2016-249237 32: 2016-12-22

54: METHOD FOR PRODUCING POROUS MOLDED BODY, METHOD FOR PRODUCING CATALYST FOR α-OLEFIN DIMERIZATION, METHOD FOR PRODUCING α-OLEFIN DIMER, POROUS MOLDED BODY, AND CATALYST FOR α-OLEFIN DIMERIZATION

00: -

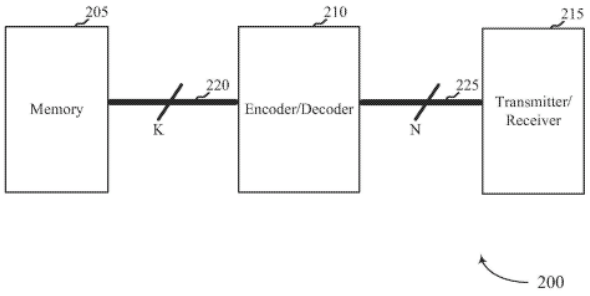
Provided is a method for producing a porous molded body, which includes: a step of obtaining a molded body by molding raw materials containing 1-100 parts by mass of a bicarbonate compound (A) represented by $AHCO_3$ (in the formula, A is Na or K) and 0-99 parts by mass of a compound (B) represented by B_nX (in the formula, B is Na or K, X is CO_3, SO_4, SiO_3, F, Cl or Br, and n is an integer 1 or 2, determined by the valency of X) (here, the total quantity of (A) and (B) is 100 parts by mass); and a step of obtaining a porous molded body by heat treating the molded body in an atmosphere having a

temperature range of 100-500ºC and containing 1.0-750,000 g/m^3 of water vapor.



21: 2019/04613. 22: 2019/07/15. 43: 2026/01/08
51: G01N
71: Merck Patent GmbH
72: OKITSU, Lukas Shinji, VLACH, Jaromir, LEWIS, Nuruddeen, DEMARTINO, Julie, BASSI, Roberto, LIE, Wen-Rong
33: US 31: 62/435,235 32: 2016-12-16
54: METHODS FOR THE USE OF GALECTIN 3 BINDING PROTEIN DETECTED IN THE URINE FOR MONITORING THE SEVERITY AND PROGRESSION OF LUPUS NEPHRITIS
00: -
Embodiments of the present invention describe compositions and methods incorporating the measurement of LGALS3BP in the urine of patients diagnosed with lupus nephritis (LN) in order to monitor the severity and progression of said LN.

21: 2019/04894. 22: 2019/07/25. 43: 2026/01/15
51: H04L
71: QUALCOMM Incorporated
72: WEI, Chao, XU, Changlong, HOU, Jilei, LI, Jian
33: PCT/CN 31: 2017/072721 32: 2017-01-26
54: BROADCAST CHANNEL ENCODING AND DECODING
00: -
Methods, systems, and devices for wireless communication are described. In order to exchange data over a given wireless communication network, a wireless device may first perform a cell acquisition procedure (e.g., to determine cell-specific information such as timing and frequency offsets, bandwidth, control channel formatting, etc.). In some systems, aspects of the timing information may be conveyed with scrambling codes applied to a master information block (MIB). Physical broadcast channel (PBCH) payloads, including MIB transmissions, may be jointly encoded with synchronization signal indices. Bursts of MIB transmissions may thus be decoded without blind decoding while maintaining error protection and low latency that may be necessary to obtain critical system information within the MIB.



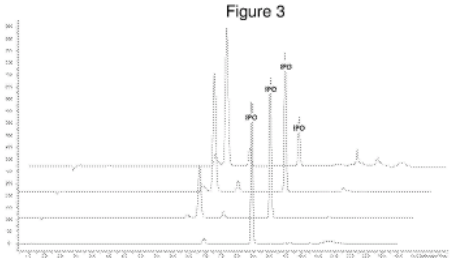
21: 2019/04980. 22: 2019/07/29. 43: 2026/01/28
51: A61K; C07K
71: Tusk Therapeutics Ltd, Cancer Research Technology Limited
72: GOUBIER, Anne, MERCHIERS, Pascal, SALIMU, Josephine, GOYENECHEA CORZO, Beatriz, MOULDER, Kevin, QUEZADA, Sergio, PEGGS, Karl, ARCE VARGAS, Frederick, SOLOMON, Isabelle
33: EP(GB) 31: 17161717.8 32: 2017-03-17
54: FC-OPTIMIZED ANTI-CD25 FOR TUMOUR SPECIFIC CELL DEPLETION
00: -
The present disclosure relates to use of an anti-CD25 antibody, not inhibiting IL-2 - CD25 interaction, with enhanced binding to activating Fc gamma Rs that lead to effective depletion of tumor-infiltrating Treg cells and improved control of established tumors. Combination with anti-programmed cell death protein-1 antibodies further improves tumor rejection.

21: 2019/05272. 22: 2019/08/08. 43: 2026/01/07
51: A01N; A01P
71: UPL LTD
72: CARLOS, Eduardo Fabri, DIGISH, Manubhai Panchal, SHROFF, Jaidev Rajnikant, SHROFF, Vikram Rajnikant
33: IN 31: 201731004976 32: 2017-02-11
54: A LIQUID COMPOSITION AND PROCESS THEREOF
00: -
The present invention provides a liquid composition for defoliation of crop plants comprising a metal chlorate and alkali metal halide. The invention also

provides a process for preparing the liquid composition for defoliation of crop plants and a method of defoliating crop plants.

21: 2019/06106. 22: 2019/09/16. 43: 2026/02/20
51: A61K; C07C; C07D; A61P
71: Aché Laboratórios Farmacêuticos S.A.
72: GUIMARÃES, Cristiano Ruch Werneck, VITOR, Carlos Eduardo, PESSA, Lisandra Ravanelli, REIS, Romulo Dragani, MASCARELLO, Alessandra, GAMA, Fernando Henrique De Souza
33: BR 31: BR1020170033180 32: 2017-02-17
54: PLANT EXTRACTS ENRICHED WITH IPOLAMIIDE DERIVATIVES AS IMMUNOSUPPRESSANTS FOR TREATING IMMUNOLOGICAL DISORDERS
00: -
The invention describes extracts from plants of the genus *Stachytarpheta* enriched with ipolamiide derivatives as immunosuppressants for treating immunological disorders. The isolated active compounds and a process of producing these are also disclosed.

Figure 3

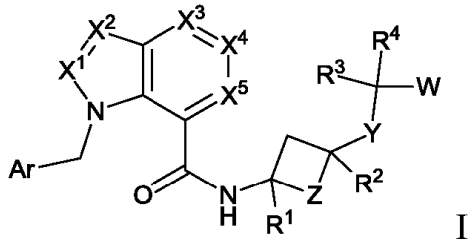


21: 2019/06159. 22: 2019/09/18. 43: 2026/01/07
51: A61K; A61P; C07K
71: Eli Lilly and Company
72: DEMATTOS, Ronald Bradley, LU, Jirong, TANG, Ying
33: US 31: 62/487,550 32: 2017-04-20
54: ANTI-N3pGlu AMYLOID BETA PEPTIDE ANTIBODIES AND USES THEREOF
00: -
Antibodies to human N3pGlu Aß, compositions comprising such N3pGlu Aß antibodies, and methods of using such N3pGlu Aß antibodies for the treatment of a disease characterized by deposition of Aß including clinical or pre-clinical Alzheimers disease, Downs syndrome, and clinical or pre-clinical cerebral amyloid angiopathy.

21: 2019/06927. 22: 2019/10/21. 43: 2026/01/22
51: A23K
71: NUTRECO IP ASSETS B.V.
72: MARTÍN-TERESO LÓPEZ, Javier, BERENDS, Harmina, LEAL, Leonel Neto
33: EP 31: 17168256.0 32: 2017-04-26
54: A SOLID FEED COMBINATION COMPOSITION FOR RUMINANT CALVES
00: -
The present invention relates to use of a fat-enriched, solid feed combination composition comprising at least a first solid feed composition which is in the form of a pellet comprising one or more fermentable feed ingredients, and a second solid feed composition, wherein the first composition comprises between 20 and 90 wt.% of fat and wherein the second composition comprises one or more fermentable feed ingredients, and wherein the total fat content of the solid feed combination is in the range of 5-20 wt.%, for feeding a ruminant calf. The solid feed combination composition of the invention is particularly suitable for ingestion by a ruminant calf during and/or after the weaning period and can be advantageously used in methods carried out during and/or after the weaning period for: 1) for decreasing weaning stress in a ruminant calf, 2) for preventing a decrease in body weight and/or somatic growth of a ruminant calf, 3) for increasing solid feed intake of a ruminant calf, 4) for maturing the rumen of a ruminant calf, and 5) for improving the gut health and/or the gastrointestinal function of a ruminant calf.

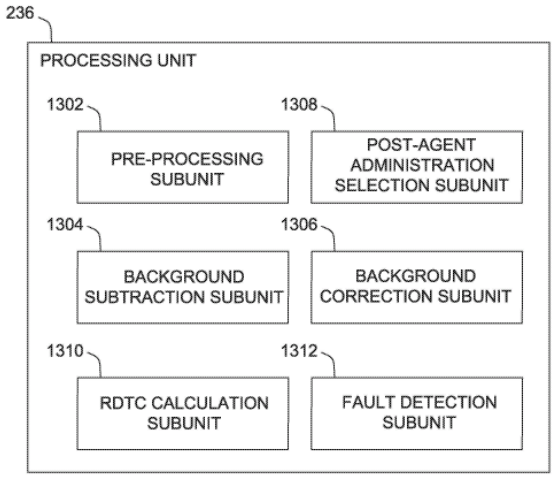
21: 2019/06947. 22: 2019/10/22. 43: 2026/02/20
51: A61K; C07D; A61P
71: TEMPEST THERAPEUTICS, INC.
72: BRAVO, Yalda, BURCH, Jason David, CHEN, Austin Chih-Yu, NAGAMIZO, Joe Fred
33: US 31: 62/486,765 32: 2017-04-18
54: BICYCLIC COMPOUNDS AND THEIR USE IN THE TREATMENT OF CANCER
00: -
The present disclosure is directed to novel compounds of Formula I and pharmaceutically acceptable salts, solvates, solvates of the salt and prodrugs thereof, useful in the prevention (e.g., delaying the onset of or reducing the risk of developing) and treatment (e.g., controlling, alleviating, or slowing the progression of) of cancer, including glioblastoma, bone cancer, head and neck cancer, melanoma, basal cell carcinoma, squamous cell carcinoma, adenocarcinoma, oral cancer, esophageal cancer, gastric cancer, intestinal cancer,

colon cancer, bladder cancer, hepatocellular carcinoma, renal cell carcinoma, pancreatic cancer, ovarian cancer, cervical cancer, lung cancer, breast cancer, and prostate cancer. The compounds of the disclosure are selective antagonists of the EP4 receptor and useful treatment of various diseases that may be ameliorated with blockade of PGE2-mediated signaling.



I

21: 2019/07444. 22: 2019/11/11. 43: 2026/01/08
51: C40B; F21V; G01J; G01N; G01T
71: MediBeacon Inc.
72: KEATING, Jennifer, SCHULTZ, Kimberly, BECHTEL, Kate, SOLOMON, Edward
33: US 31: 62/452,021 32: 2017-01-30
54: METHOD FOR NON-INVASIVE MONITORING OF FLUORESCENT TRACER AGENT WITH BACKGROUND SEPARATION CORRECTIONS
00: -
A method of monitoring a time-varying fluorescence emitted from a fluorescent agent from within a diffuse reflecting medium with time-varying optical properties is disclosed that includes providing at least two measurements obtained from a patient before and after administration of the fluorescent agent that includes an Flr_{meas} signal detected adjacent to the medium by a filtered light detector during illumination of the medium by excitatory-wavelength light, and at least one DR signal selected from: a DR_{exmeas} DR_{em}, and $DR_{em,filtered}$ signal. The method further includes identifying a post-equilibration portion of the measurement data set and transforming each Flr_{meas} signal within the post-equilibration portion of the measurement data set to an IF_{agent} signal representing a detected fluorescence intensity emitted solely by the fluorescent agent from within the medium. The disclosed method includes removing the effects of leak-through of excitation-level light and removing the effects of autofluorescence from the Flr_{meas} signal.



21: 2019/07485. 22: 2019/11/12. 43: 2026/01/08
51: A61K; A61P
71: GENFIT
72: WALCZAK, Robert, BELANGER, Carole, LEGRY, Vanessa, NOEL, Benoît, DESCAMPS, Emeline, VIDAL, Guillaume, WALCZAK, Mathilde, DELBAERE, Isabelle
33: EP 31: 17305452.9 32: 2017-04-18
33: EP 31: 18305150.7 32: 2018-02-13
54: COMBINATION COMPRISING A PPAR AGONIST SUCH AS ELAFIBRANOR AND AN ACETYL-COA CARBOXYLASE (ACC) INHIBITOR
00: -
The present invention relates to a combination product and its use in therapy.

21: 2019/07840. 22: 2019/11/26. 43: 2026/01/14
51: E21D
71: Sandvik Intellectual Property AB
72: GALLER, Thomas, REUMÜLLER, Bruno
54: ROOF MESH INSTALLATION APPARATUS
00: -
Roof mesh installation apparatus for a mining machine. A mesh roll is carried at a dispenser at a forward position of the machine capable of unrolling mesh to be laid and bolted at a tunnel roof. A tensioning device positioned at the dispenser is capable of 5 actuation so as to apply a pre-tension to a forward and unbolted section of mesh with the tension being applied against an already laid and rearward bolted mesh section. Accordingly, an automated roof mesh installation apparatus and method is provided.

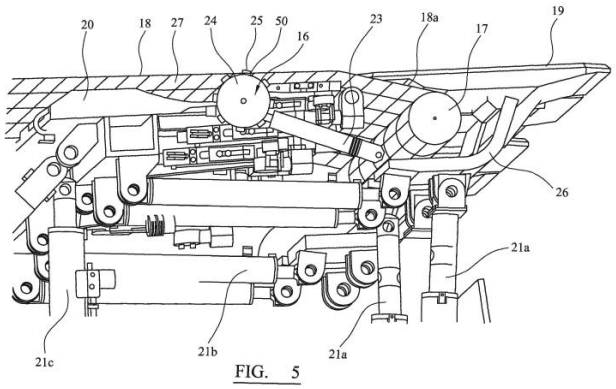


FIG. 5

21: 2019/08097. 22: 2019/12/05. 43: 2026/01/15
51: F24D; F24H
71: Heatworks Technologies, Inc.
72: CALLAHAN, Jeremiah M., DOESBURG, Eric J., LYON, Gregory S., WIECKOWSKI, Michael J.
33: US 31: 62/515,831 32: 2017-06-06
54: RECIRCULATING FLUID HEATING SYSTEMS
00: -
A liquid heating system includes an instantaneous heater (18) having an inlet (20) connected to a reservoir (62). The outlet (22) of the heater is connected to fixtures (72) which use the heated liquid, and is also connected through a return connection (30) to the reservoir. In an idle mode, a pump (40) draws liquid from the reservoir (62), so that the liquid circulates through the heater and back to the reservoir. A controller (52) actuates the heater to heat the liquid to a first setpoint temperature, so that the liquid in the reservoir stabilizes at the first setpoint temperature. In a supply mode, some or all of the heated liquid flows from the outlet to the fixtures (72). Cold liquid is admitted from a supply (60) to the reservoir, and cold liquid desirably also is supplied to the heater inlet along with liquid from the reservoir, so that the heater inlet receives a combination of these. The controller controls the proportion of cold liquid to liquid from the reservoir in the combination, so as to maintain the heater at a setpoint heating rate while also maintaining the temperature of liquid discharged from the heater outlet at or near a setpoint temperature.

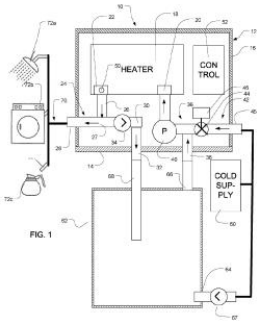


FIG. 1

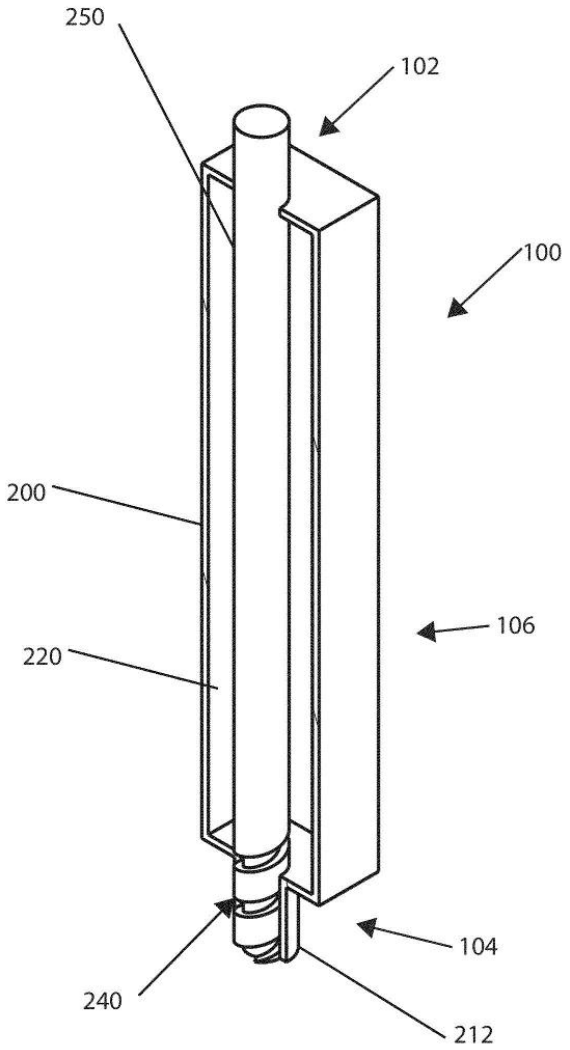
21: 2019/08473. 22: 2019/12/19. 43: 2026/01/09
51: A01N
71: Arysta Lifescience Inc.
72: BENNETT, Stephen Craig, BAATH, Bhupinder, ZHANG, Hong, SECKINGER, Carlton Stephen, HAWKINS, Emma Louise, FLOOD, Charlie James
33: US 31: 62/512,343 32: 2017-05-30
54: SAFENER CONTAINING HERBICIDAL OIL DISPERSION
00: -
AA safener containing herbicidal oil dispersion. An oil dispersion is described containing a base oil, an herbicide composition including a comprising flucarbazone sodium and/or fenoxaprop-p-ethyl, an herbicidal safener comprising cloquintocet-mexyl, and a carrier comprising an alkyl benzoate. The dispersion demonstrates enhanced dilution, and high and low temperature stability.

21: 2020/02617. 22: 2020/05/11. 43: 2026/02/20
51: C12N; C12Q
71: MONSANTO TECHNOLOGY LLC
72: LARUE, Clayton T., MOSHIRI, Farhad, REAM, Joel, E., ZHOU, Xuefeng
33: US 31: 62/599,386 32: 2017-12-15
54: METHODS AND COMPOSITIONS FOR PPO HERBICIDE TOLERANCE
00: -
The invention relates to biotechnology and provides novel recombinant DNA molecules and engineered proteins for conferring tolerance to protoporphyrinogen oxidase-inhibitor herbicides. The invention also provides herbicide tolerant transgenic plants, seeds, cells, and plant parts containing the recombinant DNA molecules, as well as methods of using the same. (FR)

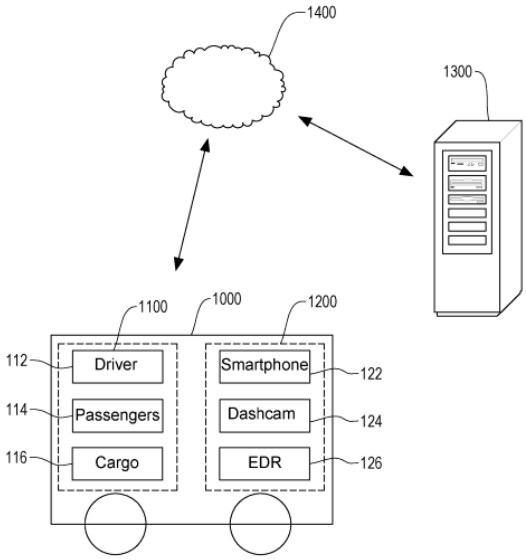
21: 2020/03176. 22: 2020/05/28. 43: 2026/01/06
51: A61K; A61P; C07D
71: Loxo Oncology, Inc.

72: GUISOT, Nicolas
33: GB 31: 1522245.8 32: 2015-12-16
54: COMPOUNDS USEFUL AS KINASE INHIBITORS
00: -
This invention relates to novel compounds. The compounds of the invention are tyrosine kinase inhibitors. Specifically, the compounds of the invention are useful as inhibitors of Bruton's tyrosine kinase (BTK).The invention also contemplates the use of the compounds for treating conditions treatable by the inhibition of Bruton's tyrosine kinase, for example cancer, lymphoma, leukemia and immunological diseases.

21: 2020/03538. 22: 2020/06/12. 43: 2026/01/28
51: B65D
71: OnDosis AB
72: AXELSSON, Robert, BRAKHYA, Ronny, GRADINARSKY, Lubomir Petrov, HAYMAN, John Charles Price, KAREMYR, Per Magnus, OLOVSSON, Martin, JIMGREN, Anders, FLEBUS, Philip-Jan Alfons Constant, NILSSON, Oscar Emil, SVENSSON, Emelie Margareta
33: GB 31: 1721065.9 32: 2017-12-15
54: DELIVERY DEVICE FOR DRUG PELLETS
00: -
There is provided a device (100) for dispensing one or more drugs in pellet form, comprising a cartridge (200) comprising a chamber (220) for containing a plurality of drugs in pellet form, a screw pump configured to receive pellets from the chamber and, upon rotation of the screw pump, transport the pellets from the chamber to be dispensed from the device via the screw pump, and a rotating member (250) extending through the cartridge and configured to rotate the screw pump so as to dispense pellets therefrom.

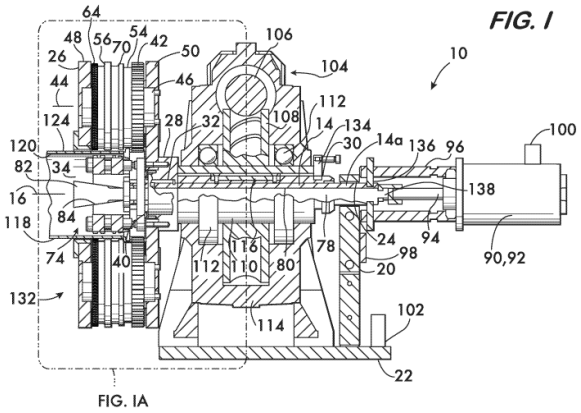


21: 2020/03576. 22: 2020/06/15. 43: 2026/02/20
51: G07C
71: XTRACT360 LTD
72: BOURKE, Cillian, FLANAGAN, Michael, HITCHEN, Joseph
33: GB 31: 1719108.1 32: 2017-11-17
54: COLLISION EVALUATION
00: -
A collision is analysed by receiving telematics data relating to a collision and determining a feature of the collision. An entity may be notified of said collision based on the determined features.



21: 2020/03619. 22: 2020/06/17. 43: 2026/02/13
51: A62C; B05B; B21B; B21D
71: VICTAULIC COMPANY
72: DOLE, Douglas R.
33: US 31: 62/607,340 32: 2017-12-19
33: US 31: 62/717,086 32: 2018-08-10
54: PIPE GROOVING DEVICE
00: -

A device for forming circumferential grooves in pipe elements uses multiple geared cam bodies mounted on a carriage which rotates about a fixed pinion. The gears engage with the pinion which causes the geared cam bodies to rotate relative to the carriage. Traction surfaces and cam surfaces on the cam bodies traverse the outer surface of the pipe element and impress a circumferential groove therein. To substantially prevent rotation of the pipe element the pitch circle diameter of the pinion equals the outer diameter of the pipe element and the pitch circle diameters of the traction surfaces equal the pitch circle diameters of the gears.



21: 2020/03799. 22: 2020/06/23. 43: 2026/01/15
51: G01N
71: Amgen Inc.
72: FRADKIN, Dmitry, MILNE, Graham F., PEARSON, Thomas Clark
54: IMAGING SYSTEM FOR COUNTING AND SIZING PARTICLES IN FLUID-FILLED VESSELS
00: -

A system is described to facilitate the characterization of particles within a fluid contained in a vessel using an illumination system that directs source light through each vessel. One or more optical elements may be implemented to refract the source light and to illuminate the entire volume of the vessel. As the refracted source light passes through the vessel and interacts with particles suspended in the fluid, scattered light is produced and directed to an imager, while the refracted source light is diverted away from the imager to prevent the source light from drowning out the scattered light. The system can therefore advantageously utilize an imager with a large depth of field to accurately image the entire volume of fluid at the same time, facilitating the determination of the number and size of particles suspended in the fluid.

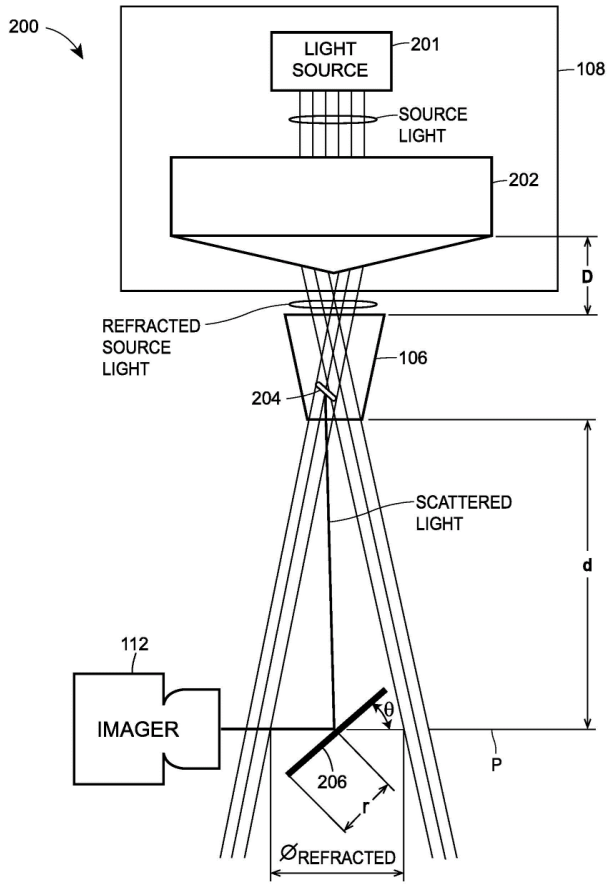


FIG. 2

21: 2020/04113. 22: 2020/07/06. 43: 2026/01/07
51: A24F
71: Nicoventures Trading Limited
72: POTTER, Mark, TIPTON, Wade, HARRIS, William, ROWE, Christopher, DAVIES, James, BOONZAIER, James, DEVINE, Conor
33: GB 31: 1801143.7 32: 2018-01-24

54: VAPOUR PROVISION APPARATUS AND SYSTEMS

00: -

Vapour provision apparatus (20) comprising a reservoir housing (62) defining a reservoir (64) for liquid, a liquid transport element (66) for transporting liquid from the reservoir to a vaporiser (68) for vaporisation and a channel (67) for the liquid transport element, wherein the channel has a sidewall (67A) at least partly defined by a section of the reservoir housing; wherein the liquid transport element comprises a first portion arranged to deliver liquid to the vaporiser and a second portion extending along the channel, wherein the channel has a cross-section that corresponds with the cross-section of the second portion of the liquid transport element in the channel, and wherein the section of the reservoir housing that defines the sidewall of the channel has one or more openings (69) to provide fluid communication between the liquid transport element in the channel and liquid in the reservoir.

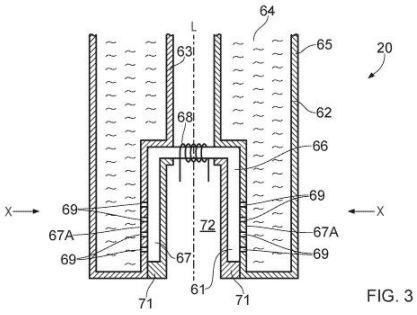


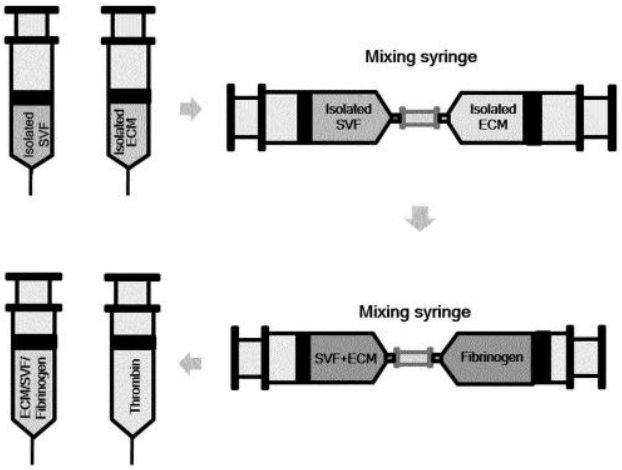
FIG. 3

21: 2020/04573. 22: 2020/07/23. 43: 2026/01/07
51: A61L; B33Y; C12N
71: Rokit Healthcare Inc.
72: YOU, Seok Hwan
33: KR 31: 10-2018-0012220 32: 2018-01-31

54: BIOINK COMPOSITION FOR DERMIS REGENERATION SHEET, METHOD FOR MANUFACTURING CUSTOMIZED DERMIS REGENERATION SHEET USING SAME, AND CUSTOMIZED DERMIS REGENERATION SHEET MANUFACTURED USING MANUFACTURING METHOD

00: -

The present invention relates to a bioink composition for a dermis regeneration sheet and a method for manufacturing a customized dermis regeneration sheet using same, the bioink composition comprising: a first liquid comprising an adipose tissue-derived stromal vascular fraction, an extracellular matrix, and fibrinogen; and a second liquid comprising thrombin.



21: 2020/05254. 22: 2020/08/24. 43: 2026/01/14
51: A61B; B01L; G01N
71: Becton, Dickinson and Company
72: IVOSEVIC, Milan, EDELHAUSER, Adam
33: US 31: 62/634,960 32: 2018-02-26
54: BIOLOGICAL FLUID COLLECTION DEVICE AND COLLECTION MODULE
00: -
A biological fluid collection device that receives a sample and provides flow-through blood stabilization technology and a precise sample dispensing function for point-of-care and near patient testing applications is disclosed. A biological fluid collection device of the present disclosure is able to effectuate distributed mixing of a sample stabilizer within a blood sample and dispense the stabilized sample in a controlled manner. In this manner, a biological fluid collection device of the present disclosure enables blood micro-sample management, e.g., passive mixing with a sample stabilizer and controlled dispensing, for point-of-care and near patient testing applications.

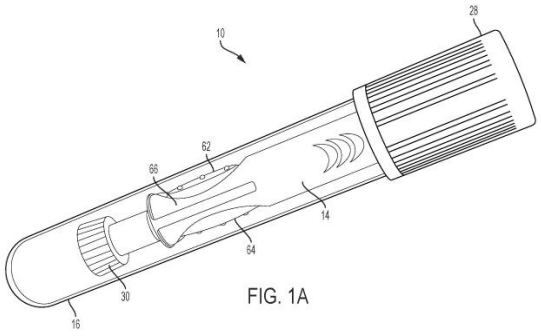
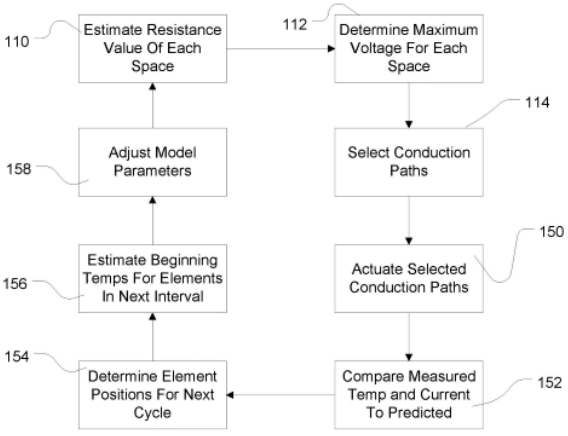


FIG. 1A

21: 2020/06319. 22: 2020/10/12. 43: 2026/01/15
51: F24H
71: Heatworks Technologies, Inc.
72: WIECKOWSKI, Michael J., CATRON, Weston Scott, CALLAHAN, Jeremiah M.
33: US 31: 15/952,832 32: 2018-04-13
54: FLUID HEATER WITH FINITE ELEMENT CONTROL
00: -
An ohmic heater for heating a conductive fluid includes electrodes (14) and spaces (20) between the electrodes. A controller (52) selectively connects the electrodes to a power supply (36) during a succession of actuation intervals so as to form conduction paths, each including two live electrodes connected to different electrical potentials, and the fluid in one or more spaces. The controller models fluid passing through the spaces as a series of finite elements (100) moving through the spaces. Before each actuation interval, the controller estimates the expected results of actuating various possible conduction paths, including the estimated temperature of the fluid in the conduction paths and the estimated currents passing through the live electrodes. The controller selects a set of conduction paths for which the estimated results meet a set of constraints, and actuates only the selected conduction paths during the actuation interval.



21: 2020/06379. 22: 2020/10/14. 43: 2026/01/14
51: C07C; C07D
71: Bayer Aktiengesellschaft, Bayer Pharma Aktiengesellschaft
72: EGGER, Julian, GÖTZ, Daniel, SOWA, Michal
33: EP(DE) 31: 18161983.4 32: 2018-03-15
54: PREPARATIVE PROCESS OF TWO 4-{[(2S)-2-{4-[5-CHLORO-2-(1H-1,2,3-TRIAZOL-1-

YL)PHENYL]-5-METHOXY-2-OXOPYRIDIN-1(2H)-YL}BUTANOYL]AMINO}-2-FLUOROBENZAMIDE DERIVATIVES

00: -

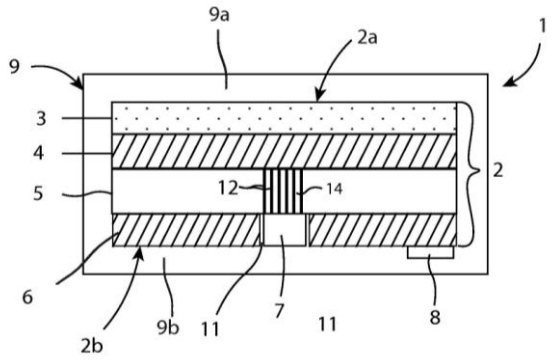
The present invention relates to a process for preparing 4-{[(2S)-2-{4-[5-chloro-2-(4-chloro-1H-1,2,3 -triazol-1-yl)phenyl] -5 -methoxy-2-oxopyridin-1(2H)-yl} butanoyl] amino} -2-fluorobenzamide (I) or 4-({(2S)-2-[4-{5-chioro-2-[4-(trifiuoromethyl)-1H-1,2,3-triazol-l-yl]phenyl}-5-methoxy-2-oxopyridin-1(2H)-yl]butanoyl}amino)-2-fluorobenzamide (II) from 2,5-dimethoxypyridine (III), 1-(2-bromo-4-chlorophenyl)-4-chloro-1H-1,2,3-triazole (X-Cl) or 1 -(2-bromo-4-chlorophenyl)-4-(trifluoromethyl)-1H-1,2,3-triazole (X-CF_3), 4-amino-2-fluorbenzamide (XIII) and (2R)-2-aminobutanoic acid (XVII).

21: 2020/06508. 22: 2020/10/20. 43: 2026/01/15
51: H01G
71: Exeger Operations AB
72: LINDSTRÖM, Henrik, FILI, Giovanni, NISSFOLK, Jarl, SUNDQVIST, Daniel
33: SE 31: 1850573-5 32: 2018-05-16

54: A PHOTOVOLTAIC DEVICE

00: -

The present invention relates to a photovoltaic device (1). The device comprises a solar cell unit (2) comprising a porous light-absorbing layer (3) at a top side (2a), of a porous first conducting layer (4), a porous substrate (5) of an insulating material. The solar cell unit comprises a conducting medium. The photovoltaic device comprises a first conductor (7) in electrical contact with the first conducting layer (4), a second conductor (8) in electrical contact with the second conducting layer (6), and an encapsulation (9) encapsulating the solar cell unit. The encapsulation comprises a top sheet (9a) and a bottom sheet (9b). The first and second conductors (7, 8) are arranged between the encapsulation (9) and the solar cell unit (2) at the bottom side (2b) of the solar cell unit (2). The second conductor (8) is arranged between the second conducting layer (6) and the bottom sheet (9b) of the encapsulation (9), and the first conductor (7) is arranged between the porous substrate (5) and the bottom sheet (9b). The first conductor (7) is electrically insulated from the second conducting layer (6). A part (14) of the porous substrate (5) comprises conducting material (12) disposed between the first conductor (7) and the first conducting layer (4) to provide electrical contact between the first conductor and the first conducting layer.



21: 2020/06714. 22: 2020/10/28. 43: 2026/02/13
51: A61K; C07F; A61P
71: ORIC PHARMACEUTICALS, INC.
72: DU, Xiaohui, EKSTEROWICZ, John, FANTIN, Valeria R., SUN, Daqing, YE, Qiuping, MOORE, Jared, ZAVOROTINSKAYA, Tatiana, BLANK, Brian R., REW, Yosup, WU, Kejia, ZHU, Liusheng, PHAM, Johnny, KAWAI, Hiroyuki
33: US 31: 62/664,841 32: 2018-04-30
33: US 31: 62/737,647 32: 2018-09-27
33: US 31: 62/757,714 32: 2018-11-08
33: US 31: 62/777,697 32: 2018-12-10
33: US 31: 62/810,790 32: 2019-02-26

54: CD73 INHIBITORS

00: -

Described herein are CD73 inhibitors and pharmaceutical compositions comprising said compounds. The subject compounds and compositions are useful for the treatment of cancer, infections, and neurodegenerative diseases.

21: 2020/06728. 22: 2020/10/28. 43: 2026/01/14
51: H04N
71: Huawei Technologies Co., Ltd.
72: CHEN, Xu, AN, Jicheng, ZHENG, Jianhua

54: VIDEO CODING METHOD AND APPARATUS

00: -

The embodiments of the present application disclose a motion vector acquiring method, comprising: determining a reference block of a block to be processed, the reference block and the block to be processed having a preset time domain or spatial domain correlation, the reference block having an initial motion vector and one or more preset motion vector offsets, the initial motion vector of the reference block being obtained on the basis of a predicted motion vector of the reference block, and a predicted block of the reference block being obtained on the basis of the initial motion vector and

the one or more preset motion vector offsets; and using the initial motion vector of the reference block as a predicted motion vector of the block to be processed.

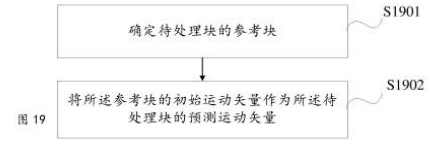
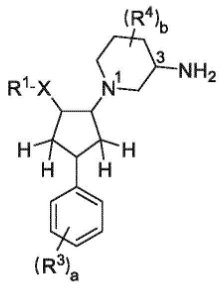


图 19

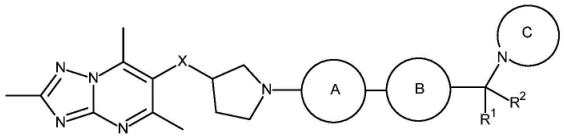
S1901 DETERMINE A REFERENCE BLOCK OF A BLOCK TO BE PROCESSED
S1902 USE AN INITIAL MOTION VECTOR OF THE REFERENCE BLOCK AS A PREDICTED MOTION VECTOR OF THE BLOCK TO BE PROCESSED

21: 2020/06970. 22: 2020/11/09. 43: 2026/01/15
51: A61K; A61P; C07D
71: Dizal (Jiangsu) Pharmaceutical Co., Ltd
72: ZHANG, Xiaolin, PAN, Weitao, NIKITIDIS, Grigorios, LINDHAGEN, Jenny Susanna Marika
33: PCT/CN 31: 2018/086503 32: 2018-05-11
54: CYCLOPENTANE COMPOUNDS
00: -
The present invention relates to cyclopentane compounds of Formula (I), physical forms thereof, processes for their production and their use in medicine.



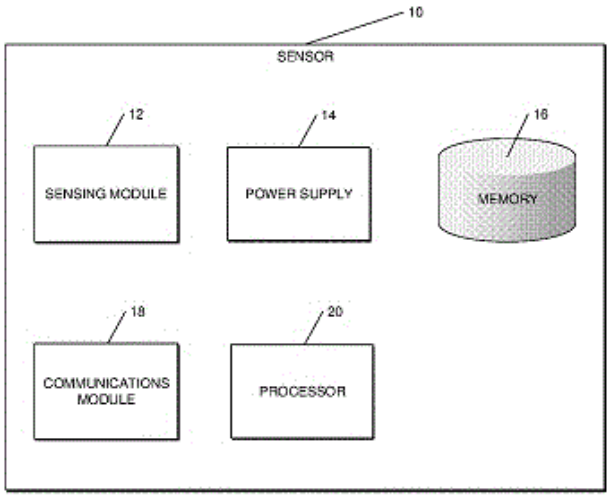
(I)

21: 2020/06971. 22: 2020/11/09. 43: 2026/01/07
51: A61K; A61P; C07D
71: Dizal (Jiangsu) Pharmaceutical Co., Ltd.
72: GOLDBERG, Frederick Woolf, TING, Attilla Kuan Tsuei, LAMONT, Gillian Mcgregor, BUTTAR, David, KETTLE, Jason Grant
33: US 31: 62/670,075 32: 2018-05-11
54: TRIAZOLOPYRIMIDINE COMPOUNDS AND THEIR USE IN TREATING CANCER
00: -
The invention concerns compounds of Formula (I): or pharmaceutically acceptable salts thereof, wherein R^1, R^2, X, Ring A, Ring B and Ring C have any of the meanings hereinbefore defined in the description; process for their preparation; pharmaceutical compositions containing them and their use in treating MCT4 mediated diseases.

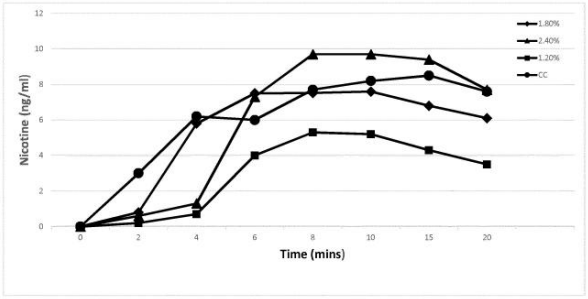


(I)

21: 2020/07288. 22: 2020/11/23. 43: 2026/01/05
51: H02J; G01R
71: UNIVERSITY OF CAPE TOWN
72: BOJE, EDWARD SIDNEY, HARDY, JASON ANDREW
33: GB 31: 1809227.0 32: 2018-06-05
54: A SENSOR AND A SENSOR NETWORK FOR MONITORING UTILITY POLES
00: -
A sensor for monitoring utility poles includes a sensing module to detect a physical quantity from a utility pole or a conductor supported by a utility pole to which the sensor is attached in use. A power supply supplies power to the device and a memory for storing sensor data. A communications module is used for transmitting and receiving sensor data to and from one or more sensors which are attached to other utility poles located adjacent to or nearby the utility pole. A processor uses the detected sensor data together with received sensor data to calculate if the utility pole to which the sensor is attached has changed its physical condition, and wherein if the processor calculates that the utility pole to which the sensor is attached has changed its physical condition, a message is transmitted via the communications module to a remote server.



21: 2020/07717. 22: 2020/12/10. 43: 2026/01/06
51: A24B; A61K
71: Yatzz Limited
72: NOLAN, Christopher, KAVANAGH, Joseph, RALEIGH, Kieran, O'ROURKE, Brian
33: EP(IE) 31: 18175640.4 32: 2018-06-01
54: NICOTINE FORMULATION
00: -
The invention relates to a pharmaceutical formulation comprising nicotine. The formulation can be aerosolised at ambient temperature for delivery via inhalation. The invention also relates to a method of delivering nicotine to a subject via inhalation, and specifically via the use of a nebuliser.



21: 2020/07814. 22: 2020/12/15. 43: 2026/01/26
51: A61F
71: PAUL HARTMANN AG
72: BUCH, Tamara, EILERS, Jörg, KESSELMEIER, Rüdiger, BEYRLE, Andreas, SCHMIDT, Ann-Cathrin
33: DE 31: 10 2018 112 121.0 32: 2018-05-18
54: INCONTINENCE ARTICLE IN THE FORM OF PANTIES
00: -
The invention relates to an incontinence article (2) for absorbing bodily excretions, having a front abdomen portion (4) and a rear back portion (6), and having a crotch portion (8) comprising an absorption body (7) and extending in a longitudinal direction (9) between the abdomen portion (4) and back portion (6), the back portion and/or the abdomen portion comprising a nonwoven material having at least a first region (11) and a second region (13). A first labelling means (70) is provided in the first region (11), and the first labelling means has a first marking (72), which is formed by a planar, extended coloured zone (73) and provides a first piece of information, the first labelling means (7) comprising a second marking (74), providing a second piece of information, formed in that recesses (76) of the coloured zone (73) are provided in the first marking (72).

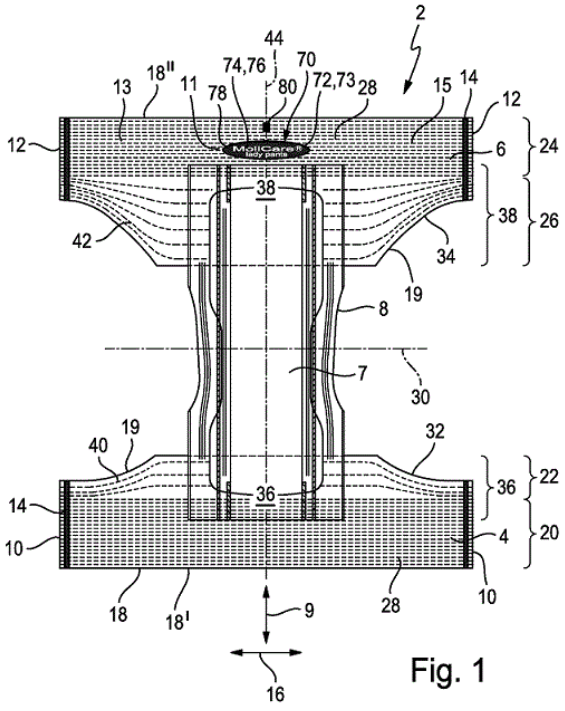
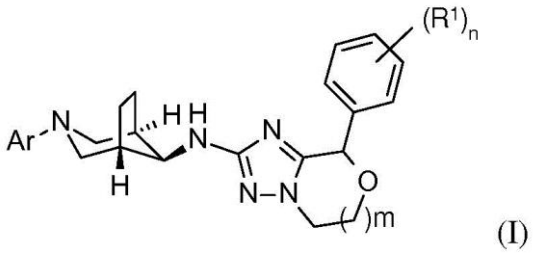


Fig. 1

21: 2020/07831. 22: 2020/12/15. 43: 2026/01/06
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: RATNI, Hasane, CARTER, Jennifer Louise
33: EP(CH) 31: 18192219.6 32: 2018-09-03
54: BICYCLIC HETEROARYL DERIVATIVES
00: -

The invention provides new bicyclic heteroaryl compounds having the general formula (I) wherein R^1, Ar, n and m are as described herein, compositions including the compounds, processes of manufacturing the compounds and methods of using the compounds.



(I)

21: 2020/07936. 22: 2020/12/18. 43: 2026/01/15
51: A61P; C07K
71: Janssen Biotech, Inc.
72: GAUDET, Francois, GILES-KOMAR, Jill, HEIDRICH, Bradley, HUANG, Chichi, KANE, Colleen, MCDAID, Ronan, NEMETH-SEAY, Jennifer
33: US 31: 62/676,081 32: 2018-05-24
54: ANTI-CD3 ANTIBODIES AND USES THEREOF
00: -
The present invention relates to antibodies that specifically bind CD3. The present invention relates to antibodies that specifically bind PSMA. The present invention relates to antibodies that specifically bind CD3 and PSMA. The present invention relates to antibodies that specifically bind IL1RAP. The present invention relates to antibodies that specifically bind CD33. The present invention relates to antibodies that specifically bind CD3 and IL1RAP. The present invention relates to antibodies that specifically bind CD3 and CD33. The present invention relates to antibodies that specifically bind TMEFF2. The present invention relates to antibodies that specifically bind CD3 and TMEFF2. The present invention relates to fragments of the antibodies, polynucleotides encoding the antibodies or fragments thereof, and methods of making and using the same.

Fig. 1B

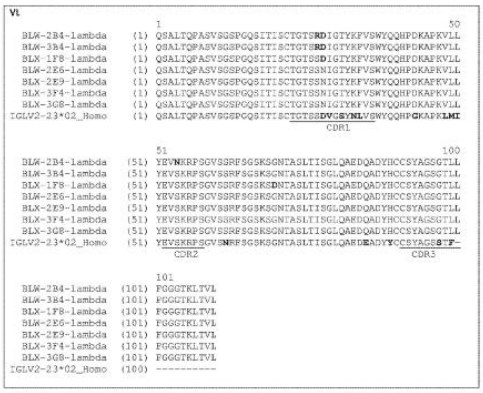
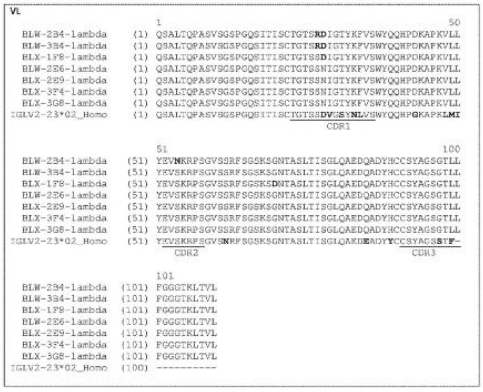


Fig. 1B



21: 2021/00374. 22: 2021/01/19. 43: 2026/01/27
51: E21B
71: Sandvik Mining and Construction Oy, Sandvik Mining and Construction Lyon SAS
72: VERHO, Samuli, KOKKONEN, Annukka, DEMIA, Laurent, NADDAF, Guillaume, BLANC-BERNARD, Calixte
33: EP(FI) 31: 20153219.9 32: 2020-01-22
54: LENGTHWISE SECTION, FLEXIBLE DRILL ROD AND METHOD
00: -
A lengthwise section (1) of a flexible drill rod (100), a flexible drill rod and a method. The lengthwise section comprises an outer tube (2), wherein at least part of the outer tube (2) is flexible in a transverse direction of the section (1). The section (1) further comprises an internal pipe (4) inside the outer tube (2) for managing flushing medium flow through the section (1). Connectors (5, 6) are arranged at the ends (7, 8) of the outer tube (2) and the internal pipe (4). The connectors (5, 6) are adapted to be connectable to each other so that a first connector

(5) is attachable to a second connector (6) of another lengthwise section (1) of the flexible drill rod.

lengthwise section (1) of a flexible drill rod (100), a flexible drill rod and a method. The lengthwise section comprises an outer tube (2), wherein at least part of the outer tube (2) is flexible in a transverse direction of the section (1). The section (1) further comprises an internal pipe (4) inside the outer tube (2) for managing flushing medium flow through the section (1). Connectors (5, 6) are arranged at the ends (7, 8) of the outer tube (2) and the internal pipe (4). The connectors (5, 6) are adapted to be connectable to each other so that a first connector (5) is attachable to a second connector (6) of another lengthwise section (1) of the flexible drill rod.

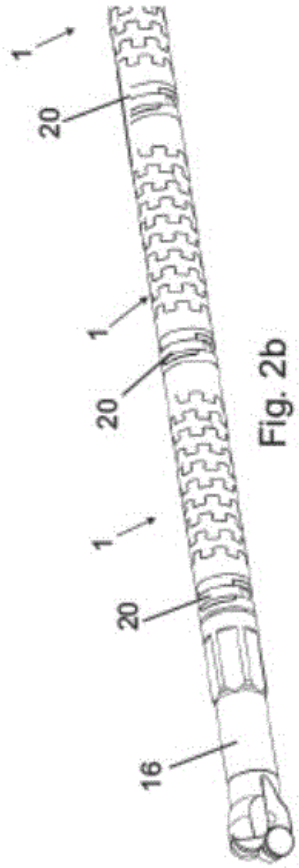


Fig. 2b

21: 2021/00521. 22: 2021/01/25. 43: 2026/01/15
51: A01N; A01P
71: Belchim Crop Protection NV
72: PINOT, Florent
33: EP(FR) 31: 18186468.7 32: 2018-07-31
54: AGROCHEMICAL COMPOSITION AND METHODS OF PREPARING AND USING THE SAME
00: -
The present invention is relative to an agrochemical composition comprising as herbicidal substance a combination of a phenylpyridazine derivative and a triketone, a defined solvent, and a surfactant system comprising a non ionic and an anionic surfactant. The invention also concerns a process for the preparation of said agrochemical composition, an agrochemical emulsion or suspoemulsion obtainable by diluting said agrochemical composition and a method of controlling undesired vegetation using said agrochemical composition.

21: 2021/00545. 22: 2021/01/26. 43: 2026/01/27
51: B60L; B60T
71: Transportation IP Holdings LLC
72: KUMAR, Ajith Kuttannair, MEYER, Brian, WIESNER, Chris, ENSLEY, Matthew, LACY, Patricia
33: US 31: 16/779,012 32: 2020-01-31
54: BRAKE CONTROL SYSTEM
00: -
A brake control system includes an interface controller configured to communicate with different control paths of sources for control of a brake system of a vehicle system. Each of the control paths is configured to communicate a control signal from a different source of the sources to control operation of the brake system. The interface controller is configured to arbitrate between the control signals concurrently received from the different sources via the control paths to dictate which of the different sources controls operation of the brake system at different times and prevent control by other sources of the different sources from concurrently controlling the operation of the brake system.

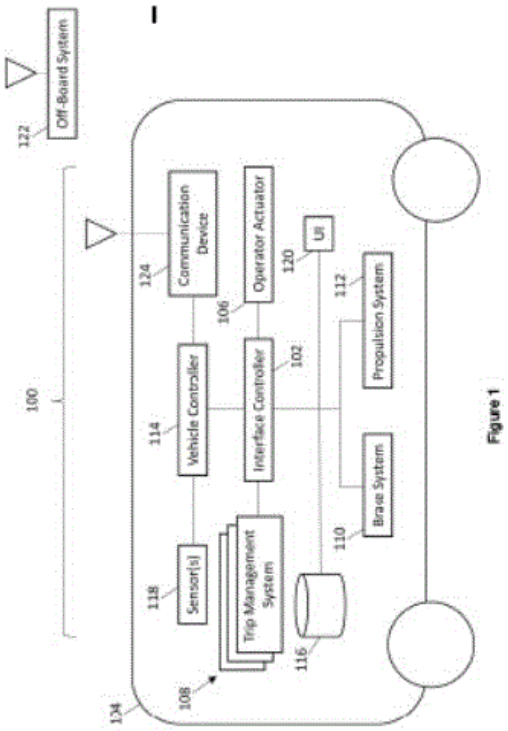


Figure 1

21: 2021/00721. 22: 2021/02/02. 43: 2026/02/13
51: A61K; C07K; A61P
71: INVOX PHARMA LIMITED
72: MUNOZ-OLAYA, Jose, FERTIN, Remi, WOLLERTON, Francisca, TUNA, Mihriban, BREWIS, Neil
33: GB 31: 1811415.7 32: 2018-07-12
54: ANTI-MESOTHELIN ANTIBODIES
00: -
The present application relates to antibody molecules that bind mesothelin (MSLN). The antibody molecules find application in the treatment and diagnosis of diseases and disorders, such as cancer.

21: 2021/00977. 22: 2021/02/12. 43: 2026/01/08
51: A61K
71: McNeil AB
72: THYRESSON, Kristina, KOLL, Gregory, NILGARD, Jill, MCNALLY, Gerard, LINDELL, Katarina
33: SE 31: 1850896-0 32: 2018-07-13
54: CHEWING GUM COMPRISING NICOTINE
00: -
The invention relates to a chewing gum comprising at least a gum core comprising nicotine polacrilex, at least a one outer coating covering the core, comprising at least one sugar alcohol or mixtures of sugar alcohols and, at least a one portion fused onto the outer coating, wherein the portion comprises nicotine bitartrate or nicotine ditartrate dihydrate and at least one sugar alcohol or a mixture of sugar alcohols and at least one buffer present in the coating and/or in a portion fused to the coating.

21: 2021/01271. 22: 2021/02/25. 43: 2026/02/26
51: A01B; A01C; F15B
71: PRECISION PLANTING LLC
72: STOLLER, Jason, SCHLIPF, Ben, HERRMANN, Tristan
33: US 31: 62/731,813 32: 2018-09-14
33: US 31: 62/791,203 32: 2019-01-11
33: US 31: PCT/US2019/020452 32: 2019-03-02
33: US 31: 62/840,372 32: 2019-04-29
54: FLUID CONTROL ASSEMBLY AND SYSTEM
00: -
A fluid system includes a fluid control assembly in fluid communication with a fluid source in fluid communication with a fluid supply port and the fluid control assembly is in fluid communication with an actuator via an outlet port. A controller controls at least one supply valve and at least one exhaust valve. The at least one supply valve and exhaust valve are in a normally closed position until being actuated by the controller to an open position. The fluid control assembly includes a pressure sensor in communication with the outlet port. Whereby when pressure in the outlet port is less than a predetermined pressure, a controller opens the supply valve to communicate fluid to the actuator via the actuator line and when the pressure in the outlet port is greater than a predetermined pressure the controller opens the exhaust valve to vent the is outside a predetermined range.

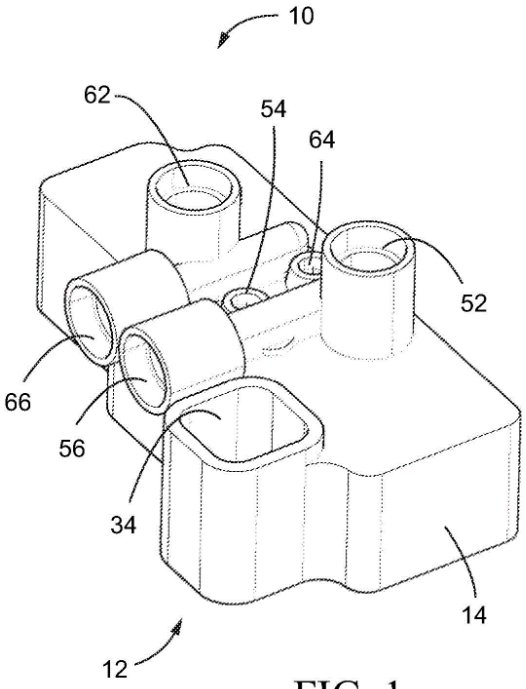
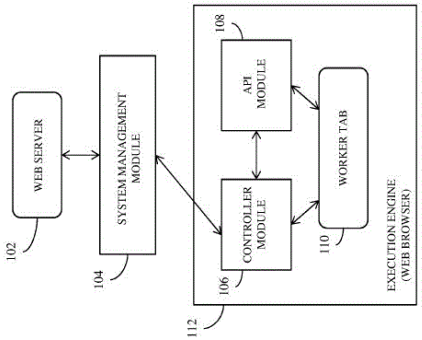


FIG. 1

21: 2021/01875. 22: 2021/03/19. 43: 2026/02/13
51: G01N
71: UNIVERSITY OF TECHNOLOGY SYDNEY
72: JIN, Dayong, HE, Hao
33: AU 31: 2018903614 32: 2018-09-25
54: ANALYTE QUANTITATION
00: -
The present invention relates to methods for determining the quantity of an analyte in sample using lateral flow strips comprising highly-doped upconversion nanoparticles.

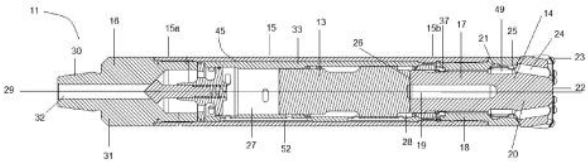
21: 2021/01941. 22: 2021/03/23. 43: 2026/01/08
51: A61K; A61Q
71: Colgate-Palmolive Company
72: DONG, Rong, PETROU, Irene, PIMENTA, Paloma, LAVENDER, Stacey, PILCH, Shira
54: ORAL CARE COMPOSITIONS AND METHODS FOR THE SAME
00: -
Film forming compositions and methods for occluding dentin tubules of teeth to treat dentinal hypersensitivity of the teeth are provided. The film forming compositions may include a hydrophobic copolymer, a rosin, and an orally acceptable solvent. The hydrophobic copolymer may include an acrylate/octylacrylamide copolymer, such as 2-propenoic acid, 2-methyl-, 2- methylpropyl ester, polymer with 2-propenoic acid and N-(1, 1,3,3-tetramethylbutyl)-2- propenamide. Methods for treating dentinal hypersensitivity may include contacting the film forming composition with surfaces of the teeth.

21: 2021/02217. 22: 2021/04/01. 43: 2026/01/07
51: G06F; G06Q
71: International Business Machines Corporation
72: KURIEN, Toby, YOUNG, Richard Allen
33: US 31: 16/839,701 32: 2020-04-03
54: EXECUTING FUNCTIONS ON-DEMAND ON A SERVER UTILIZING WEB BROWSERS
00: -
A web browser can be run on a back-end server to execute serverless functions. A request is received to execute a function, for example, on-demand. The request is forwarded to a web browser running as an execution engine on the back-end server. The function is executed inside the web browser running on the back-end server. A result of the function executed inside the web browser can be returned.



21: 2021/02760. 22: 2021/04/23. 43: 2026/01/09
51: E21B
71: Sandvik Mining and Construction Oy, Sandvik Mining and Construction Tools AB
72: BRUANDET, Olivier
33: EP(FI) 31: 18212827.2 32: 2018-12-17
54: DOWN-THE-HOLE HAMMER DRILL BIT ASSEMBLY
00: -
The present disclosure relates to a down-the-hole drilling assembly (11) activated by fluid under pressure. An elongated casing (15) having an axially rearward end (15a) and an axially forward end, a fluid-powered piston (13) arranged movably inside

the casing (15), a top working chamber (27) at a top side of the piston (13), a bottom working chamber (28) at a bottom side of the piston (13), a plurality of fluid passages (52) for feeding and discharging pressurized fluid into and out of the working chambers for generating reciprocating movement for the piston, a drill bit (14) connectable to the axially forward end (15b) of the casing (15) and provided with an anvil (26) facing towards the piston (13) for receiving the impacts of the piston (13) and an annular drive sub (18) surrounding at least a portion of a shank (17) and cooperating with the drill bit (14) to form fluid passages extending length-wise along the shank (17). The drive sub (18) comprises a concave arcuate groove extending circumferentially in the drive sub forming a chamber (21) for collecting the fluid from the hammer exhaust and redistributing the volume of the collected fluid from channels (48) formed between complimentary splines (43) of the drive sub (18) and the splines (42) of the drill bit (14) to flushing holes (24) arranged in the drill bit (14).



21: 2021/03070. 22: 2021/05/06. 43: 2026/01/09
51: H04W
71: Huawei Technologies Co., Ltd.
72: ZHANG, Jiayin, SALEM, Mohamed Adel, ZHANG, Liqing
33: US 31: 62/751,460 32: 2018-10-26
54: CHANNEL ACCESS MECHANISM FOR RANDOM ACCESS CHANNEL IN UNLICENSED SPECTRUM
00: -
Method and devices are provided for a channel access mechanism for accessing a network on a random access channel (RACH). Methods involve defining a listen-before-talk (LBT) category to be used as part of a contention based procedure and how a contention window that is part of the LBT can be dynamically adjusted.

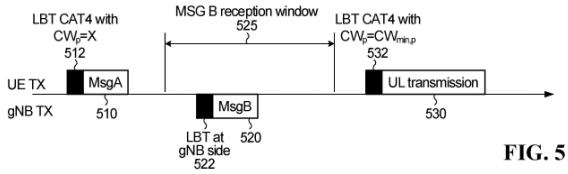
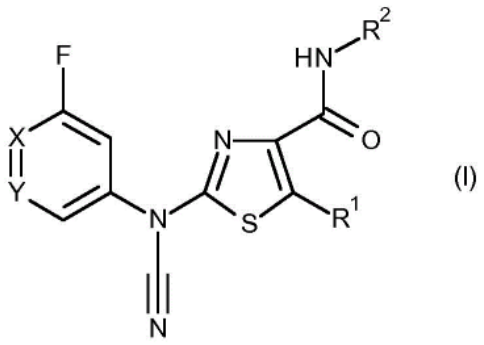


FIG. 5

21: 2021/03173. 22: 2021/05/11. 43: 2026/02/04
51: A61K; C07D; A61P
71: GILEAD SCIENCES, INC.
72: BALAN, Gayatri, BARTLETT, Mark J., CHANDRASEKHAR, Jayaraman, CODELLI, Julian A., CONWAY, John H., COSMAN, Jennifer L., KALLA, Rao V., KASUN, Zachary A., KIM, Musong, LEE, Seung H., LO, Jennifer R., LOYER-DREW, Jennifer A., MITCHELL, Scott A., PERRY, Thao D., PHILLIPS, Gary B., SALVO, Patrick J., SWAMINATHAN, Sundaramoorthi, VAN VELDHUIZEN, Joshua J., YEUNG, Suet C., ZABLOCKI, Jeff
33: US 31: 62/753,339 32: 2018-10-31
33: US 31: 62/868,550 32: 2019-06-28
54: SUBSTITUTED 6-AZABENZIMIDAZOLE COMPOUNDS AS HPK1 INHIBITORS
00: -
The present disclosure relates generally to certain 6-azabenzimidazole compounds, pharmaceutical compositions comprising said compounds, and methods of making and using said compounds and pharmaceutical compositions. The compounds and compositions disclosed herein may be used for the treatment or prevention of diseases, disorders, or infections modifiable by hematopoietic progenitor kinase 1 (HPK1) inhibitors, such as HBV, HIV, cancer, and/or a hyper-proliferative disease.

21: 2021/03388. 22: 2021/05/19. 43: 2026/01/27
51: A01N; C07D
71: Syngenta Participations AG
72: BURNS, David, MONACO, Mattia Riccardo, RENDINE, Stefano, LAMBERTH, Clemens, EDMUNDS, Andrew, BLUM, Mathias
33: EP(CH) 31: 18209591.9 32: 2018-11-30
54: MICROBIOCIDAL THIAZOLE DERIVATIVES
00: -
Compounds of the formula (I), wherein the substituents are as defined in claim 1, useful as pesticides, and especially fungicides.



21: 2021/03438. 22: 2021/05/20. 43: 2026/02/17
51: B66F
71: 9539-7337 QUEBEC INC.
72: BELLEY, Robin, BIENVENU, Charles-Étienne, SYLVESTRE, Patrick
33: US 31: 62/770,877 32: 2018-11-23

54: HEAVY MACHINERY LIFTING APPARATUS, HEAVY MACHINERY LIFTING ASSEMBLY AND METHOD FOR ASSEMBLING A LIFT FOR HEAVY MACHINERY

00: -

The present disclosure concerns a lifting apparatus for lifting heavy machinery, comprising first and second spaced-apart lifting devices vertically extendable, each lifting device comprising a beam-receiving portion; and a transverse lifting beam comprising a beam body engageable with a portion of the heavy machinery, and first and second opposed mounting end portions removably engageable with the beam-receiving portions, for the transverse lifting beam to extend between the lifting devices. Each beam-receiving portion comprises one of a male connector and a female connector and each mounting end portion comprises the other one of a male connector and a female connector detachably engageable to the one of a male connector and a female connector of the corresponding beam-receiving portion. The present disclosure also concerns a kit for forming such a lifting apparatus, a lifting assembly comprising at least first and second lifting apparatuses and a method for lifting heavy machinery.

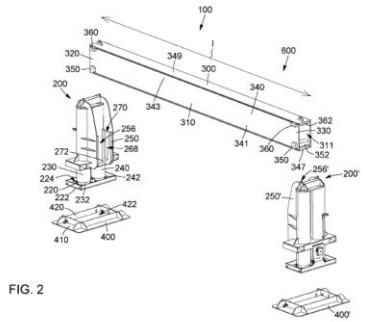


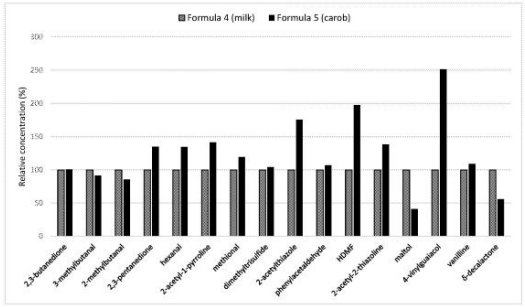
FIG. 2

21: 2021/03515. 22: 2021/05/24. 43: 2026/01/06
51: A23L
71: Société des Produits Nestlé S.A.
72: NOVOTNY, Ondrej, RUFFINO, Luca Salvatore, DAVIDEK, Tomas, SIEVERT, Dietmar August Gustav

54: THERMALLY TREATED COMPOSITION COMPRISING PLANT PROTEINS AND METHODS OF PRODUCTION AND USE THEREOF

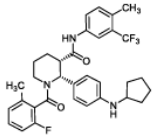
00: -

Thermally treated compositions are disclosed that include at least one plant protein source. The thermally treated composition may contain a reduced undesirable flavor of the at least one plant protein source and/or an increased desirable flavor exhibiting a distinct flavor note. Also disclosed are heat treated food or beverage products containing the thermally treated composition as well as methods of producing the thermally treated compositions and heat treated food or beverage products and methods of using the thermally treated compositions and heat treated food or beverage products.



21: 2021/03820. 22: 2021/06/03. 43: 2026/02/17
51: A61K
71: CHEMOCENTRYX, INC.
72: LELETI, Manmohan Reddy, POWERS, Jay P.
33: US 31: 62/773,848 32: 2018-11-30

54: CAPSULE FORMULATIONS
00: -
The present disclosure provides solid solution capsule formulations of Compound 1 and methods of making the same. Also provided herein are methods of treating individuals suffering from or susceptible to a disease or disorder involving pathologic activation of C5a receptors by administering an effective amount of one or more solid solution capsules comprising Compound 1. Further provided herein are singe unit dosage capsules comprising certain amounts of Compound 1, and kits comprising a solid solution capsule comprising Compound 1.


(I)

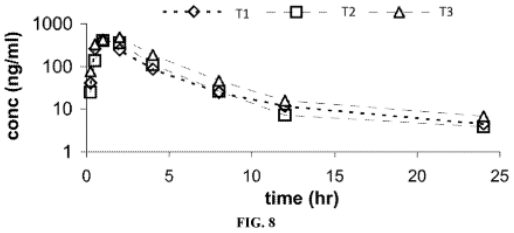


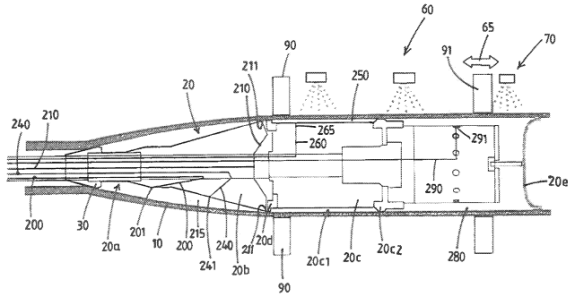
FIG. 8

21: 2021/03861. 22: 2021/06/04. 43: 2026/02/04
51: A61K; C07D
71: Yuhan Corporation
72: HAN, Tae Dong, TAK, Hee Jae, KIM, Eun Kyung, LEE, Eui Chul, PARK, Sol, CHO, Hyok Jun, LIM, Cheol Hee, KIM, So Young, CHOI, Hyun Ho, JEONG, Da Na, Yang, Na Yeon, HA, Na Ry
33: KR 31: 10-2018-0161725 32: 2018-12-14
33: KR 31: 10-2019-0137387 32: 2019-10-31
54: 3,3-DIFLUOROALLYLAMINES OR SALTS THEREOF AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME
00: -
The present technology provides 3,3-difluoroallylamines or pharmaceutically acceptable salts thereof, preparation processes thereof, pharmaceutical compositions comprising the same, and uses thereof. The 3,3-difluoroallylamines or their pharmaceutically acceptable salts exhibit potent inhibitory activity on VAP-1 and therefore can be usefully applied, e.g., for the treatment and prophylaxis of nonalcoholic hepatosteatosis (NASH).

21: 2021/03895. 22: 2021/06/07. 43: 2026/01/26
51: A61K; A61P
71: Merz Pharmaceuticals, LLC
72: HARTMAN, Adam, GILANI, Fahad, LAVIGNE, Kyle, LIPP, Michael, M.
33: US 31: 62/760,232 32: 2018-11-13
54: RESPIRABLE POLYNUCLEOTIDE POWDER FORMULATIONS FOR INHALATION
00: -
The invention provides respirable dry powder particle formulations comprising polynucleotides preferably prepared by spray drying for delivery to the pulmonary system via inhalation. Preferably, the polynucleotide is RNA.

21: 2021/04068. 22: 2021/06/14. 43: 2026/02/06
51: B29C
71: ROLLEPAAL PIPE EXTRUSION TECHNOLOGY B.V.
72: RIJNHART, Nicolaas Wilhelmus Hendrikus, MEIER, Gerrit Lucas
33: NL 31: 2022290 32: 2018-12-21
33: NL 31: 2022421 32: 2019-01-18
54: METHODS AND INSTALLATIONS FOR PRODUCING A BIAXIALLY ORIENTED TUBE FROM THERMOPLASTIC MATERIAL
00: -
A method for producing a biaxially oriented tube from thermoplastic material, wherein a tube in preform condition is extruded from thermoplastic material and is subjected to a temperature conditioning. Use is made of an expansion device and of a drawing device which is arranged downstream of the expansion device. The expansion device comprises a non-deformable expansion part and a run-on part located upstream of the expansion part and having an upstream sealing member. The expansion device comprises a first gas discharge duct having one or more first inlet ports in the exterior surface of the expansion device, a first inlet port being open or closed or partly closed dependent on whether or not the first inlet port is covered and closed, or partly closed, by the tube. A first gas volume is present between the expansion device and the tube, the first gas volume being limited at an upstream end thereof by sealing contact between the tube in preform condition and the upstream sealing member of the run-of part and a downstream end thereof by sealing engagement between the tube and at least a downstream portion of the

expansion part, e.g. near or at the transition to the run-off part. A first gas flow is effected from a first gas supply source via the first gas supply duct and the one or more first gas outlet ports thereof into the first gas volume and the pressure of the gas in the first gas volume is used to cause gradual expansion of the tube already before the tube contacts the expansion part. The first gas flow is maintained at a gas pressure independent constant first gas flow rate.



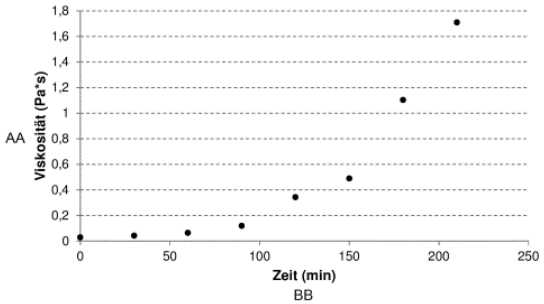
21: 2021/04287. 22: 2021/06/22. 43: 2026/02/17
51: A61K; C07K; A61P
71: PIERIS PHARMACEUTICALS GMBH
72: BEL AIBA, Rachida Siham, BOSSENMAIER, Birgit, JAQUIN, Thomas, PEPER-GABRIEL, Janet, HANSBAUER, Eva-Maria, SCHLOSSER, Corinna, OLWILL, Shane
33: EP 31: 19000100.8 32: 2019-02-26
54: NOVEL FUSION PROTEINS SPECIFIC FOR CD137 AND GPC3
00: -
The disclosure provides fusion proteins specific for both CD137 and GPC3, which fusion protein can be used to co-stimulate lymphocyte activation in a GPC3-target-dependent manner. Such fusion proteins can be used in many pharmaceutical applications, for example, as anti-cancer agents and/or immune modulators for the treatment or prevention of human diseases such as a variety of tumors. The present disclosure also concerns methods of making the fusion proteins described herein as well as compositions comprising such fusion proteins. The present disclosure further relates to nucleic acid molecules encoding such fusion proteins and to methods for generation of such fusion proteins and nucleic acid molecules. In addition, the application discloses therapeutic and/or diagnostic uses of such fusion proteins as well as compositions comprising one or more of such fusion proteins.

21: 2021/04459. 22: 2021/06/28. 43: 2026/01/09
51: A61K; A61P
71: Catalent U.K. Swindon Zydis Ltd.
72: WONG, Yik Teng, SMARDON, Charli, SHIRKHANI, Khojasteh, AMACKER, Mario, FLEURY, Sylvain, STEGMANN, Antonius Johannes Hendrikus
33: US 31: 62/772,823 32: 2018-11-29
54: ORAL DISPERSIBLE VACCINE COMPRISING VIROSOMES
00: -
The present disclosure is directed to oral vaccine dosage forms and processes for producing the oral vaccine dosage forms. The dosage forms include lipid-based vesicles (e.g., virosomes, liposomes) harboring an immunogenic amount of at least one vaccinal target molecule, with or without adjuvant. Specifically, Applicants discovered a combination of the composition of the liquid virosome concentrates, the composition of the base matrix for the solid dosage form formulation (excluding the virosome concentrate), and the manufacturing conditions for the dosage forms that can produce a freeze dried sublingual dosage form having physical robustness, particle and antigen integrity and stability.

21: 2021/04507. 22: 2021/06/29. 43: 2026/01/15
51: A23G; A23L; A61K
71: NordicCan A/S
72: BRUUN, Heidi Ziegler, BOESEN, Dorte Schackinger, ERIKSEN, Ane
33: CA 31: 3,031,530 32: 2019-01-25
33: US 31: 16/257,963 32: 2019-01-25
54: CANNABINOID CHEWING GUM WITH SUGAR ALCOHOLS
00: -
The present invention relates to a chewing gum for mucosal delivery of cannabinoids, the chewing gum comprising water-soluble chewing gum ingredients and water-insoluble gum base, wherein the gum base comprising one or more natural resins in an amount of 10-40% by weight of the gum base, one or more elastomers in an amount of 3-30% by weight of the gum base, and one or more elastomer plasticizers in an amount of 8-50% by weight of the gum base, and wherein the water-soluble chewing gum ingredients comprise one or more sugar

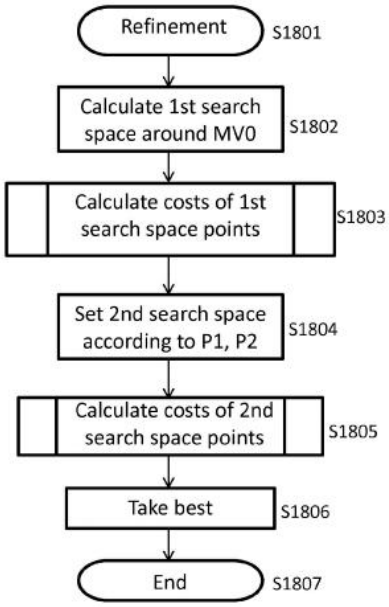
alcohols in an amount of 35-80% by weight of the chewing gum, and wherein the chewing gum comprises one or more cannabinoids.

21: 2021/04958. 22: 2021/07/14. 43: 2026/02/17
51: B01D; C12P
71: UNIVERSITÄT FÜR BODENKULTUR WIEN
72: NYANHONGO, Gibson Stephen, GUEBITZ, Georg, ORTNER, Andreas, BISCHOF, Sabrina
33: AT 31: A50053/2019 32: 2019-01-24
54: METHOD FOR PRODUCING A LIGNOSULFONATE POLYMER
00: -
The invention relates to a method for preparing a water-insoluble lignosulfonate polymer from a solution containing lignosulfonate precursors, in particular from brown liquor, comprising the steps of: a. separating the lignosulfonate precursors and providing a solution with at least 5 wt%, preferably at least 10 wt%, of lignosulfonate precursor, comprising filtering out components with a particle diameter of less than 1 µm, in particular of less than 100 nm, and separating low-molecular components, in particular salts and low-molecular organic compounds, preferably components with a molecular weight of less than 500 Da, b. adding a radical-forming enzyme and gassing of the lignosulfonate precursor solution with oxygen to form polymerizable lignosulfonate radicals, oxygen being added as a gas with an admixture of not more than 10 % by volume, preferably not more than 5 % by volume, of other gases, and c. polymerizing the lignosulfonate precursors. The invention further relates to a water-insoluble lignosulfonate polymer according to the invention, a water-retaining means, and a growth substrate comprising the lignosulfonate polymer according to the invention.



AA Viscosity (Pa*s)
BB Time (min)

21: 2021/05171. 22: 2021/07/22. 43: 2026/01/14
51: H04N
71: Huawei Technologies Co., Ltd.
72: ESENLIK, Semih, KOTRA, Anand Meher, ZHAO, Zhijie, GAO, Han
54: SEARCH REGION FOR MOTION VECTOR REFINEMENT
00: -
The present invention relates to the construction of a search space for determining a motion vector for a current block of a picture in a video sequence. The search space construction is split into in two main stages, wherein a first and a second partial search space are respectively determined. Based on an initial estimate of a motion vector, a first search space is first constructed. A first and a second candidate motion of the first search space are identified according to a cost function. Based on the first and the second candidate motion vectors, a second search space is constructed. The motion vector for the current block is selected from the candidate motion vectors of the first search space and the second search space.



21: 2021/05273. 22: 2021/07/26. 43: 2026/01/12
51: G06K
71: Identy Inc.
72: GUPTA, Hardik, MURUGAN, Satheesh, ARAGON, Jesus
33: EP(GB) 31: 19382137.8 32: 2019-02-26

54: METHOD FOR VERIFYING THE IDENTITY OF A USER BY IDENTIFYING AN OBJECT WITHIN AN IMAGE THAT HAS A BIOMETRIC CHARACTERISTIC OF THE USER AND SEPARATING A PORTION OF THE IMAGE COMPRISING THE BIOMETRIC CHARACTERISTIC FROM OTHER PORTIONS OF THE IMAGE

00: -

A method for identifying a user using an image of an object of the user that has a biometric characteristic of the user, like a fingerprint or a set of fingerprints of fingertips, the method comprising: obtaining, by an optical sensor of a mobile device, the image of the object; providing the image or a part of the image to a neural network; processing the image or the part of the image by the neural network, comprising distinguishing, by the neural network, a portion of the image or the part of the image comprising the region of interest, ROI, from another portion of the image; extracting, from the image or the part of the image, the ROI; storing the portion comprising the ROI in a storage device and/or providing the portion comprising the ROI as input to an identification means, comprising extracting the biometric characteristic of the ROI and processing the extracted biometric characteristic in order to determine whether the extracted biometric characteristic identifies the user.

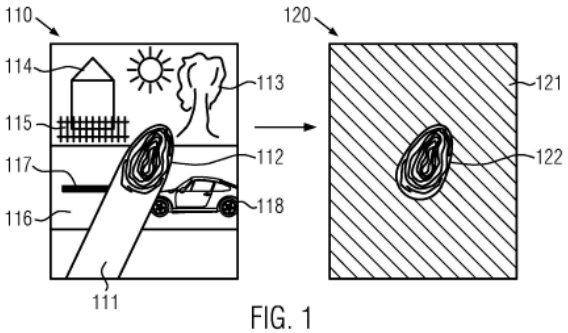


FIG. 1

21: 2021/05639. 22: 2021/08/10. 43: 2026/01/14
51: A61Q; B01J; C11D
71: Firmenich SA
72: VAN GRUIJTHUIJSEN, Kitty, DARDELLE, Gregory, STRUILLOU, Arnaud, ERNI, Philipp
33: EP(CH) 31: 19189145.6 32: 2019-07-30

54: COMPOSITE MICROCAPSULES

00: -

The present invention relates to a composite microcapsule slurry comprising at least one microcapsule having: - an oil-based core comprising an hydrophobic material, preferably a perfume, - a composite shell comprising a first material and a second material, wherein: • the first material and the second material are different, • the first material is a coacervate, • the second material is a polymeric material, and • the weight ratio in the slurry between the first material and the second material is comprised between 50:50 and 99.9:0.1.

21: 2021/05790. 22: 2021/08/13. 43: 2026/01/07
51: A61K; A61P
71: Serum Institute Of India Pvt Ltd.
72: DHERE, Rajeev Mhalasakant, YEOLEKAR, Leena Ravindra, GANGULY, Milan Shomenath, TYAGI, Parikshit Dharampal, SAGAR, Umesh Gorakh, NARALE, Swapnil Prabhakar, ANASPURE, Yashodhan Dilip, TUPE, Sham Ramdas
33: IN 31: 201921006071 32: 2019-02-15

54: LIVE ATTENUATED INFLUENZA VACCINE COMPOSITION AND PROCESS FOR PREPARATION THEREOF

00: -

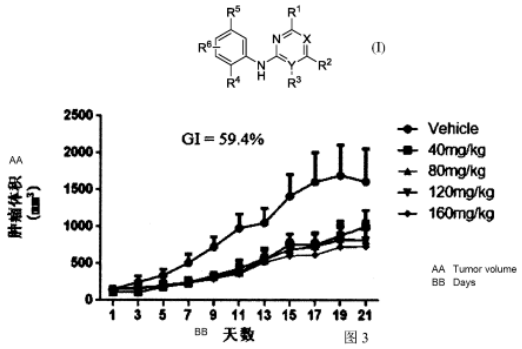
The present disclosure provides compositions and methods for manufacturing and obtaining a live attenuated Influenza vaccine (LAIV) composition that can be delivered intranasally to provide protection against influenza virus infection. Said LAIV strains are based on cold adapted, temperature sensitive and attenuated phenotypes of master donor viruses (MDVs) containing the surface glycoprotein genes of the wild type pandemic or seasonal influenza strains. Also, said LAIV strains are further adapted to grow in MDCK cells (Madin Darby canine kidney cells). The use of eggs is avoided in large scale vaccine manufacturing. The purification process is devoid of chromatography steps. The said LAIV composition includes one or more live attenuated influenza vaccine virus and is devoid of polymers and surfactants.

21: 2021/06205. 22: 2021/08/26. 43: 2026/02/11
51: A61K; C07D; A61P
71: CHINA PHARMACEUTICAL UNIVERSITY
72: YOU, Qidong, GUO, Xiaoke, CHEN, Weilin, LI, Dongdong, GU, Jing, XU, Jun, CHEN, Xin, JIANG, Zhengyu, XU, Xiaoli
33: CN 31: 201910139980.6 32: 2019-02-26

54: ANILINE-BASED WDR5 PROTEIN-PROTEIN INTERACTION INHIBITOR, METHOD FOR PREPARING THE SAME, AND USE THEREOF

00: -

The present disclosure discloses a WDR5 protein-protein interaction inhibitor, including a compound having a structure represented by general formula (I). Experiments show that the inhibitor acts on a WDR5 protein and an interacting protein thereof including, but not limited to, MLL, selectively inhibits the proliferation of leukemia cells, and inhibits the methylation of H3K4 and the expression of downstream Hox/Meis-1 gene at the cellular level. The present disclosure also discloses a method for preparing the inhibitor and use thereof in the preparation of a drug for treating acute leukemia and other related diseases.



21: 2021/06510. 22: 2021/09/06. 43: 2026/02/20
51: C12G; C12N; C12P
71: DANSTAR FERMENT AG, UNIVERSITÉ DE BOURGOGNE
72: COELHO, Christian, BAHUT, Florian, NIKOLANTONAKI, Maria, GOUGEON, Régis D., SIECZKOWSKI, Nathalie, WILDE, Caroline, CLUIS, Corinne
33: EP 31: 19290014.0 32: 2019-03-01

54: A GLUTATHIONE-RICH YEAST AND ITS USE FOR PRESERVING WINES

00: -

The present disclosure concerns a method for the prevention of defective ageing white wines, wherein, during the preparation of said wine, yeast previously rich in glutathione is introduced into the must at the beginning of, during or after the alcoholic fermentation step, the yeast is a *Saccharomyces cerevisiae* strain deposited at Institut Pasteur, on 20 February 2019 under accession number CNCM 1-5404. The present disclosure also concerns glutathione-rich *Saccharomyces cerevisiae* strain deposited at Institut Pasteur, on 20 February 2019 under accession number CNCM 1-5404 as well as processes using the strain in active or inactivated forms for preserving wine. The present disclosure also concerns a glutathione-rich inactivated dry yeast comprising a first dipeptide having the formula C12H25N303 with a molecular weight of 259.3458 g/mole; and a second dipeptide having the formula C12H25N503 with a molecular weight of 287.3593 g/mole, as well as processes using the inactivated dry yeast for preserving wine.

FIGURE 1A

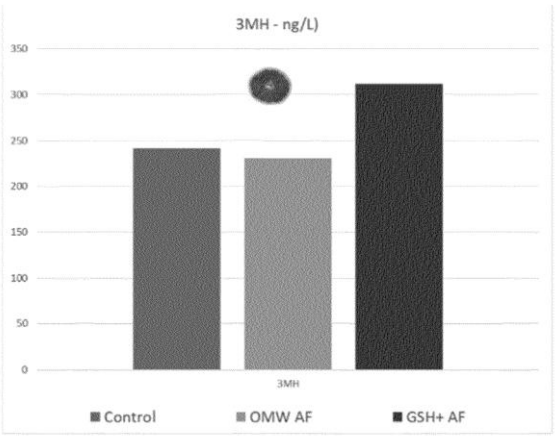
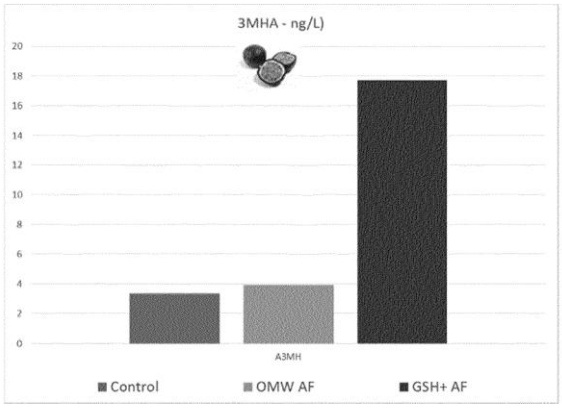


FIGURE 1B

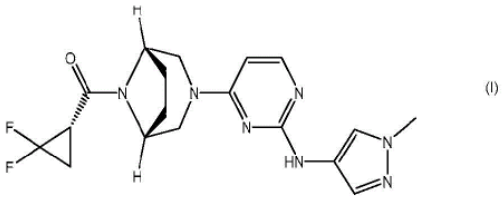


21: 2021/06815. 22: 2021/09/14. 43: 2026/01/09
51: A61K; A61P; C07D
71: Pfizer Inc.
72: YANG, Xiaojing, SAMUEL, Amanda Patrice Surajhie
33: US 31: 62/806,180 32: 2019-02-15

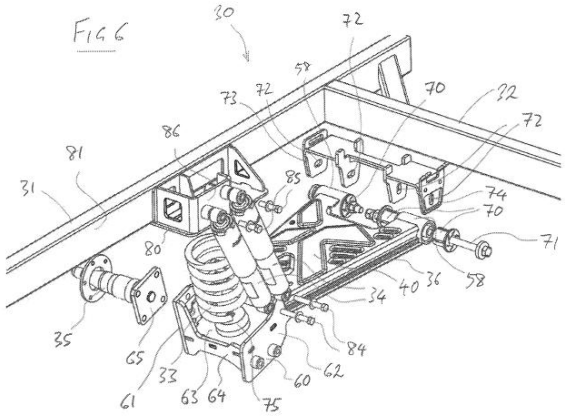
54: CRYSTALLINE PYRIMIDINYL-3,8-DIAZABICYCLO[3.2.1]OCTANYLMETHANONE COMPOUND AND USE THEREOF

00: -

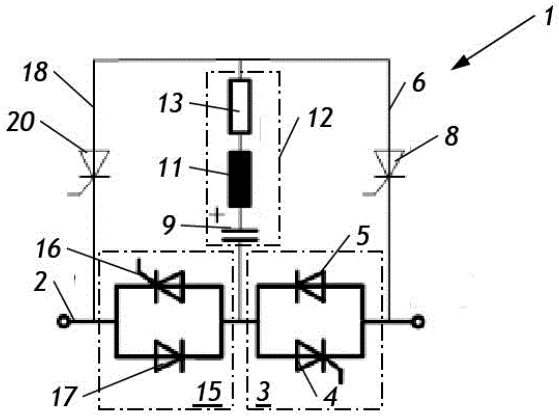
The present invention discloses a novel crystalline form of ((S)-2,2- difluorocyclopropyl)-((1R,5S)-3-(2-((1-methyl-1 H-pyrazol-4-yl)amino) -pyrimidin-4-yl)-3,8-diazabicyclo[3.2.1]octan-8-yl)methanone free base, pharmaceutical composition containing the same, preparations thereof and uses thereof (Formula (I)).



21: 2021/06873. 22: 2021/09/17. 43: 2026/02/13
51: B60G
71: AL-KO INTERNATIONAL PTY LTD
72: JOHN, Jibu, LIZZA, John
33: AU 31: 2019900864 32: 2019-03-15
54: SUSPENSION ASSEMBLY
00: -
A suspension assembly (30) for a vehicle. The suspension assembly (30) having a first end for pivotal mounting to a structural member (32) of the vehicle and a second end opposite the first end for attachment of a damping arrangement (33, 34) and a stub axle (35). The suspension assembly (30) including first and second shell components (40, 41) and which are welded together to form a substantially hollow body (36) between the first and second ends.

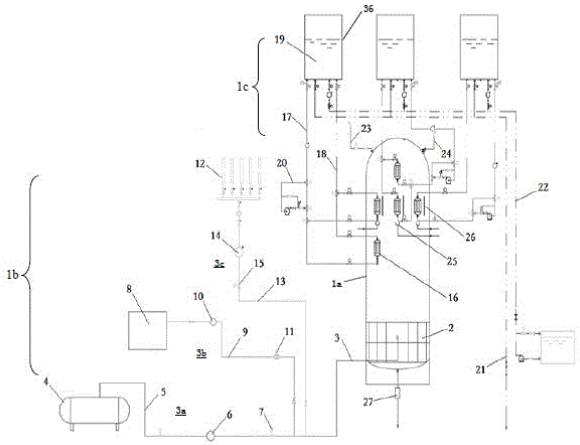


21: 2021/06974. 22: 2021/09/20. 43: 2026/01/08
51: H02H; H03K
71: Eaton Intelligent Power Limited
72: CEJNAR, Pavel
33: GB 31: 2016017.2 32: 2020-10-09
54: SWITCHING ARRANGEMENT
00: -
A switching arrangement (1) for switching off an electric current with a high slew rate, especially a short-circuit current, it is suggested, that the switching arrangement (1) comprises -a main line (2) with a first SCR-arrangement (3) comprising at least a first SCR (4) and a first reverse conducting diode (5) arranged in parallel to the first SCR (4), - a first bypass line (6) connected to the main line (2) and arranged in a parallel way to the first SCR-arrangement (3), - the first bypass line (6) comprises a second SCR-arrangement (7) comprising at least a second SCR (8) arranged in the same polarity as the first reverse conducting diode (5), - the first bypass line (6) further comprises at least one capacitor (9) and a DC-voltage source (10) connected to the capacitor (9) for pre-charging the capacitor (9).



21: 2021/07116. 22: 2021/09/23. 43: 2026/01/08
51: G21D
71: China Nuclear Power Engineering Co., Ltd.
72: LI, Wei, XING, Ji, SUN, Zhongning, DING, Ming, WANG, Hui, ZHANG, Nan, MENG, Zhaoming, YU, Yong
33: CN 31: 202011026079.7 32: 2020-09-25
54: CONTAINMENT SHELL SIMULATION TEST APPARATUS
00: -
The present application provides a containment shell simulation test apparatus, comprising a containment shell simulator, a gas supply system, a passive heat removal system and a data system, wherein the containment shell simulator is configured to have a shape the same as that of a real containment shell, an interior space of the containment shell simulator

being divided into a bottom space simplified according to housing spaces for functional facilities inside the real containment shell and an upper space above the bottom space, wherein the gas supply system includes a plurality of discharge ports that are respectively provided at different positions in the bottom space and the upper space of the containment shell simulator and configured to selectively release a mixture of a variety of gases with different parameters to simulate gas spraying within the real containment shell under various accident conditions, wherein the data system includes a data reception unit and a plurality of data collection units, wherein the plurality of data collection units are respectively distributed at different positions in the bottom space and the upper space of the containment shell simulator and configured to collect thermal-hydraulic parameters of the different positions within the containment shell simulator, the thermal-hydraulic parameters being formed through an interaction between the passive heat removal system and thermal-hydraulic phenomena produced by simulating the accident conditions within the containment shell simulator using the gas supply system, and wherein the data reception unit is electrically connected to the plurality of data collection units and configured to receive the thermal-hydraulic parameters transmitted by the plurality of data collection units.

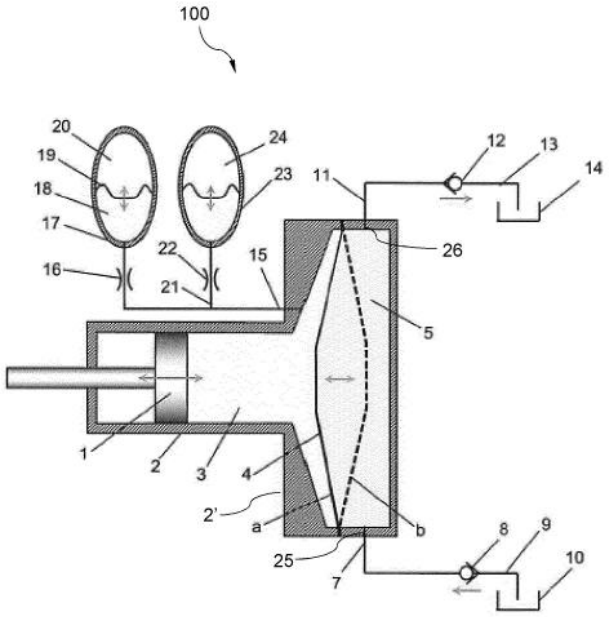


21: 2021/07224. 22: 2021/09/27. 43: 2026/01/07
51: F04B
71: MHWirth GmbH
72: JANSEN, Roman
33: GB 31: 1904054.2 32: 2019-03-25

54: PUMP AND ASSOCIATED SYSTEM AND METHODS

00: -

A pump (100) comprising:a housing (2, 2') with pump chamber (5) having a fluid inlet (25) and a fluid outlet (26), a membrane (4) arranged within the housing (2, 2') and delimiting the pump chamber (5) from an intermediate fluid chamber (3), a reciprocable pumping member (1) operatively arranged in the intermediate fluid chamber (3), an accumulator (17, 23) fluidly connected to the intermediate chamber (3) via a throttle (16, 22).There is also provided a method for dampening of pressure fluctuations in a pump (100).



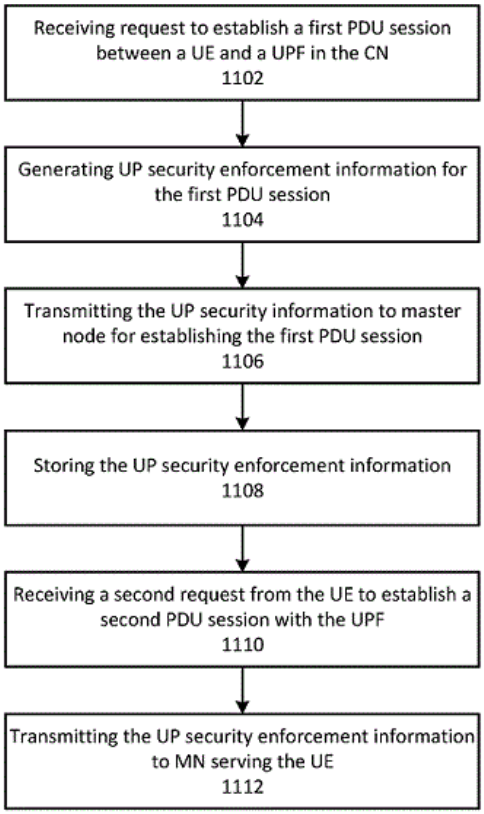
21: 2021/07332. 22: 2021/09/29. 43: 2026/01/21
51: H04L
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: WIFVESSON, Monica, BEN HENDA, Noamen
33: US 31: 62/813,325 32: 2019-03-04

54: ESTABLISHING A PROTOCOL DATA UNIT SESSION

00: -

A method performed by a core network node in a core network of a wireless communication system includes receiving (1102) a first request to establish a first protocol data unit, PDU, session between a user equipment, UE and a user plane function in the core network, generating (1104) user plane, UP, security enforcement information, to be applied to

the first PDU session, transmitting (1106) the UP security enforcement information to a radio access network, RAN, node for establishing the first PDU session, and storing (1108) the UP security enforcement information for use in establishing a subsequent PDU session for the UE.



21: 2021/07383. 22: 2021/09/30. 43: 2026/01/07
51: A01N
71: UGLK Science AB
72: OLAUSSON, Michael
33: SE 31: 1930123-3 32: 2019-04-12
54: METHOD AND APPARATUS FOR RECONDITIONING KIDNEYS
00: -
Method and device and fluid for recovering a harvested kidney, for example from a cardiac arrest carcass, wherein the kidney has been exposed to warm ischemia during 4 hours or more. At the backtable after harvesting, there is injected lys-plasminogen to the kidney and after 15 minutes, t-PA is injected. A hyperoncotic circulation fluid comprising albumin and electrolytes is added and circulated through the kidney together with said lys-plasminogen and t-PA, whereby the circulation pressure is increased from 20 mmHg to 70 mmHg during 30 to 75 minutes, for example in steps of 5 mmHg per 5 minutes. Then, the kidney is evaluated by conventional criteria.

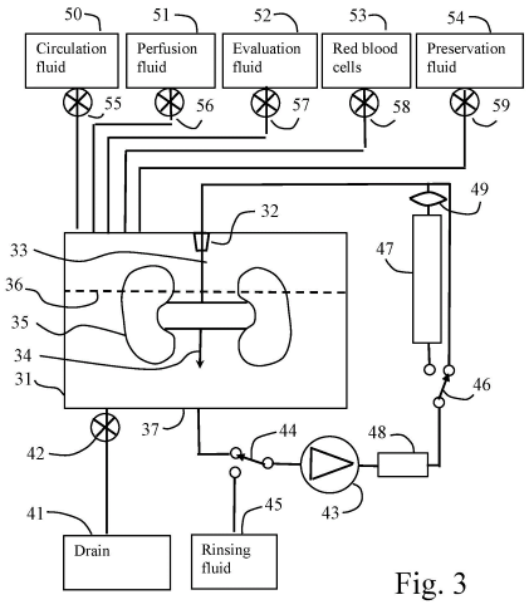
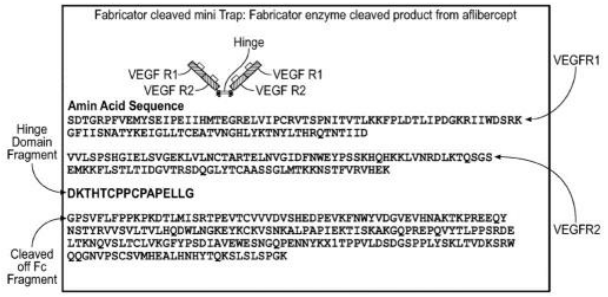


Fig. 3

21: 2021/07643. 22: 2021/10/11. 43: 2026/03/12
51: C07K
71: REGENERON PHARMACEUTICALS, INC.
72: TUSTIAN, Andrew, WANG, Shunhai, LI, Ning, VARTAK, Ankit, DALY, Thomas, PYLES, Erica, PALACKAL, Nisha, FRANKLIN, Matthew
33: US 31: 62/944,635 32: 2019-12-06
33: US 31: 63/065,012 32: 2020-08-13
54: ANTI-VEGF PROTEIN COMPOSITIONS AND METHODS FOR PRODUCING THE SAME
00: -
The present disclosure pertains to compositions comprising anti-VEGF proteins and methods for producing such compositions.



21: 2021/07763. 22: 2021/10/13. 43: 2026/01/13
51: G01N
71: Saint-Gobain Isover
72: CHENNEVIERE, Hugues, OUERGHEMMI, Ezzeddine
33: FR 31: 1904246 32: 2019-04-19
54: SYSTEM AND METHOD FOR DETECTING GLASS CERAMIC
00: -
The invention relates to an automated system (1) for detecting glass-ceramic materials among a cullet (2), the system comprising at least one white light source (3) and at least one monochromatic ultraviolet light source (4), each being orientated to emit in a same emissions region (11). The system according to the invention comprises an image acquisition device (5) configured to acquire an image of said emission region (11) and an image processing device (6) configured to process each of the images acquired by the image acquisition device (5), the image processing device (6) comprising a colorimetric image processing module (7-17) configured to ensure the detection of the glass ceramic among other types of glass.

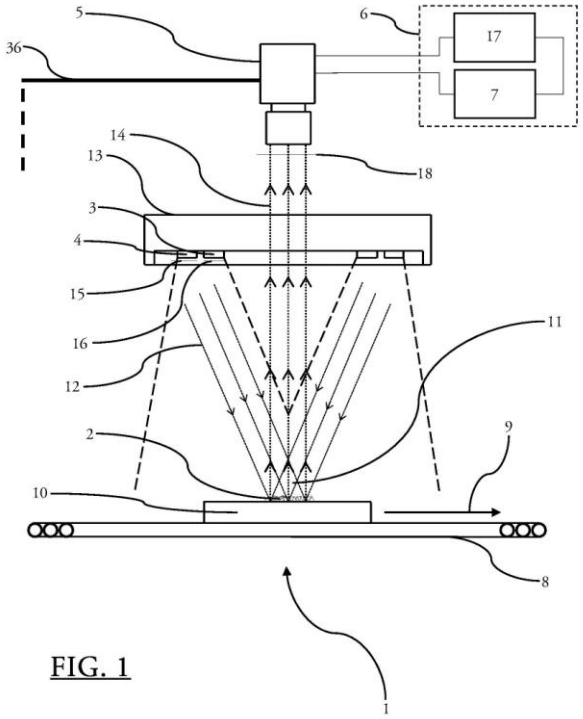
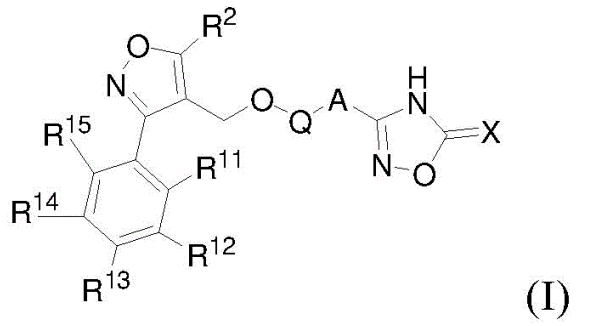


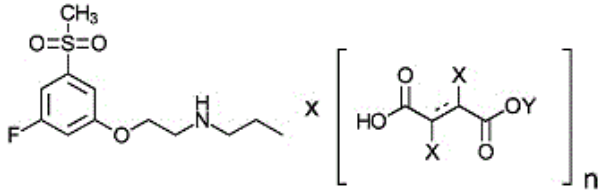
FIG. 1

21: 2021/07936. 22: 2021/10/18. 43: 2026/01/15
51: A61K; A61P; C07D
71: Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Van Andel Research Institute
72: XU, Huaqiang, LI, Jia, SHI, Jingjing, ZANG, Yi, SUN, Dandan, LIU, Mingliang, XIE, Rongrong, YOU, Erli, GAO, Lixin, TAN, Qian
33: CN 31: 201910319757.X 32: 2019-04-19
54: FXR SMALL MOLECULE AGONIST AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
An FXR small molecule agonist and a preparation method therefor and a use thereof, having a structure as shown in formula (I). The compound represented by formula (I) has FXR agonistic activity and is capable of preparing drugs for treatment of FXR-related diseases.



(I)

21: 2021/08533. 22: 2021/11/02. 43: 2026/01/06
51: C07C; A61K; A61P
71: IRL 790 AB
72: REINE, INESE, SONESSON, CLAS, WATERS, ROSS NICHOLAS, TEDROFF, JOAKIM MIHKEL
33: EP 31: 20166361.4 32: 2020-03-27
33: EP 31: 19176514.8 32: 2019-05-24
54: PHARMACEUTICALLY ACCEPTABLE SALTS OF [2-(3-FLUORO-5-METHANE-SULFONYLPHENOXY)ETHYL](PROPYL)AMINE AND USES THEREOF
00: -
There is disclosed a salt of Formula III, a method for manufacturing thereof as well as uses thereof. (Formula III), wherein X is H or OH, Y is H or a cation selected from the group consisting of Li, Na and K, is a single bond or a double bond, and n is 0.5 or 1.



Formula III

21: 2021/08674. 22: 2021/11/05. 43: 2026/01/06
51: A61J
71: FRESENIUS KABI DEUTSCHLAND GMBH
72: BRANDENBURGER, TORSTEN, SEIDEL, JANINE, NITSCHE, CHRISTIAN, DEGEN, ALEXANDER, LIU, JUNDA, RAHIMY, ISMAEL, HEUEL-HÖMMEN, BEATRIX
33: EP 31: 19178711.8 32: 2019-06-06
54: MEDICAL PACKAGING IN THE FORM OF AN INFUSION BAG AND METHOD FOR TRANSFERRING LIQUID FROM A VIAL TO AN INFUSION BAG
00: -
The invention relates to a packaging in the form of an infusion bag, having a connector for a vial, said connector having a spike for piercing the septum of the vial to establish a fluid connection to the inner volume of the infusion bag. The spike is designed to be rotatable. When the vial is rotated, the spike is rotated and the fluid connection between the vial and the inner volume of the infusion bag is opened.

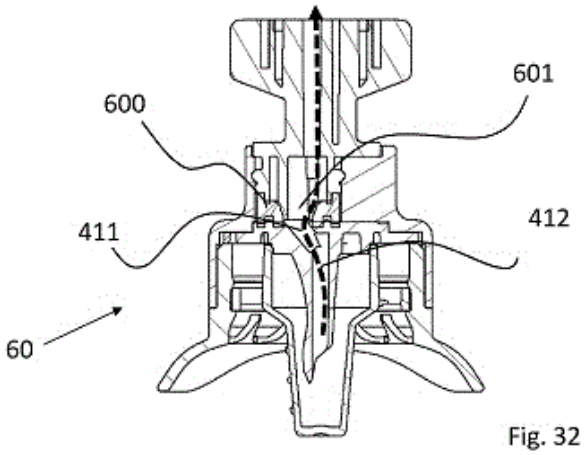


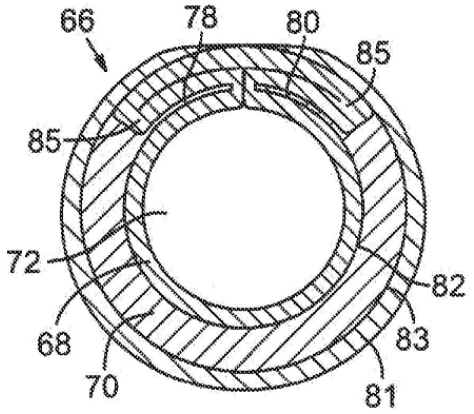
Fig. 32

21: 2021/08677. 22: 2021/11/05. 43: 2026/01/08
51: A61K
71: QBIOTICS PTY LTD
72: GORDON, Victoria, Anne, REDDELL, Paul, Warren, BOYLE, Glen, Mathew, CULLEN, Jason, Kingsley, PARSONS, Peter, Gordon
33: AU 31: 2019901280 32: 2019-04-12
54: METHOD OF TREATING TUMOURS
00: -
The present invention relates to methods of treating tumours comprising the localised administration, for example, intratumourally or topically, of an epoxytiglienone compound (as a monotherapy) to cancerous tumours to generate a systemic anticancer abscopal (anenestic) and/or bystander effect.

21: 2021/09186. 22: 2021/11/17. 43: 2026/01/13
51: D01F
71: Aurotec GmbH
72: ZIKELI, Stefan, ECKER, Friedrich, ZAUNER, Philipp
33: EP(AT) 31: 19175647.7 32: 2019-05-21
54: METHOD AND DEVICE FOR REGENERATING A SOLVENT OF CELLULOSE FROM A SPINNING PROCESS

00: -
The invention relates to a method and a device for regenerating a solvent of cellulose in a process for producing shaped cellulose bodies, the method comprising the steps of: starting a continuous process for producing solid shaped cellulose bodies from a cellulose solution which comprises the steps of: i) providing a cellulose solution from dissolved cellulose and a cellulose solvent and preferably a non-solvent, particularly preferably water; ii) shaping the cellulose solution into a desired geometric shape; iii) solidifying the shaped cellulose solution to form shaped cellulose bodies in a coagulation liquid; and iv) washing the shaped cellulose bodies, with shaped-body waste of the cellulose solution in an undesired form accumulating at the start of and/or during the continuous process; collecting the shaped body waste in the undesired form; comminuting the shaped body waste; and extracting solvent from the comminuted shaped body waste.

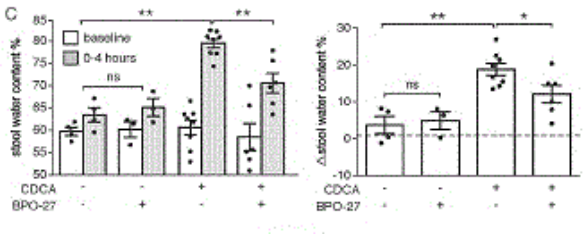
21: 2021/09586. 22: 2021/11/25. 43: 2026/01/13
51: A61M
71: Edwards Lifesciences Corporation
72: FINE, Maxwell Harrison, TAMIR, Iian, LEE, Jeong Soo, TRAN, Sonny, GAFFNEY, Leah Paige, BULMAN, Erik, SALEH, Nasser William
33: US 31: 63/021,945 32: 2020-05-08
54: EXPANDABLE SHEATH FOR INTRODUCING AN ENDOVASCULAR DELIVERY DEVICE INTO A BODY
00: -
Examples of an expandable sheath can be used in conjunction with a catheter assembly to introduce a prosthetic device, such as a heart valve, into a patient. Such examples can minimize trauma to the vessel by allowing for temporary expansion of a portion of the introducer sheath to accommodate the delivery apparatus, followed by a return to the original diameter once the prosthetic device passes through. Some examples can include a sheath with inner and outer layers, where a folded portion of the inner layer extends through a slit in the outer layer and a portion of the outer layer overlaps the folded portion of the inner layer. Some examples include an elastic outer cover positioned outside the outer layer. Examples of the present expandable sheath can avoid the need for multiple insertions for the dilation of the vessel, thus offering advantages over prior art introducer sheaths.



21: 2021/09721. 22: 2021/11/29. 43: 2026/01/05
51: C07D; A61K
71: BEIJING TIDE PHARMACEUTICAL CO., LTD.
72: CHENG, CHEUNGLING, ZHAO, YANPING, WANG, HONGJUN, FENG, ZEWANG, HUANG, HUAI, LIU, KAI, LIU, XUELIAN, PANG, JIANMEI, TIAN, NANA, CHEN, XICHAO, FU, SHENZHEN, MENG, JIE, ZHOU, LIYING, LIU, YANAN
33: CN 31: PCT/CN2019/085207 32: 2019-04-30
54: SOLID FORM OF DIAMINOPYRIMIDINE COMPOUND OR HYDRATE THEREOF, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF
00: -
The present invention relates to a solid form of 5-((2-ethynyl-5-isopropylpyridin-4-yl)oxy)pyrimidine-2,4-diamine or a hydrate thereof, a method for preparing the solid form, a pharmaceutical composition comprising the solid form, and a use of the solid form for the prevention or treatment of a disease modulated by P2X3 and/or P2X2/3 receptor antagonists.

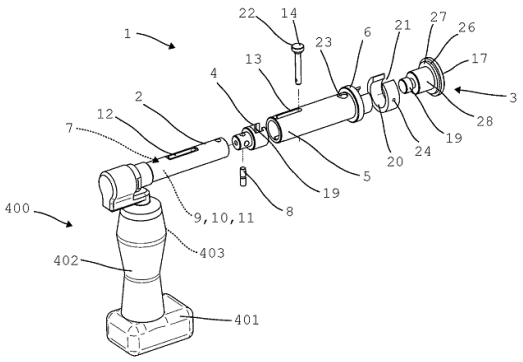
21: 2021/09792. 22: 2021/11/30. 43: 2026/01/05
51: A61K; A61P
71: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
72: VERKMAN, ALAN S
33: US 31: 62/860,539 32: 2019-06-12
54: METHODS OF TREATING BILE ACID DIARRHEA
00: -
The disclosure is directed to methods of treating bile acid diarrhea by administering a CFTR chloride channel inhibitor (CFTR-CCI). The CFTR chloride channel inhibitor can be benzopyrimido-pyrrolo-oxazine-dione-CFTR-CCI (e.g., BPO-27), a PPQ-

CFTR-CCI, a thiazolidinone-CFTR-CCI, or a glycine hydra-zide-CFTR-CCI.



21: 2021/09980. 22: 2021/12/03. 43: 2026/01/07
51: A61K; A61Q; C11B
71: Givaudan SA
72: MOYSEN, Ruth C., BRIERE, Thomas, BROOKS, Julia, KEHAYA, Linda, KONTARIS, Ioannis, MAGEE, Kristopher George, PLEYDELL-PEARCE, Christopher
33: GB 31: 1909222.0 32: 2019-06-27
54: IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS
00: -
A method of assessing the impact of a test oral care flavour composition on the well-being of human subjects is provided, as well as a method of preparing or optimizing an oral care flavour composition for enhancing the well-being of a human subject, oral care flavour compositions that enhance the well-being, and consumer products containing them.

21: 2021/10740. 22: 2021/12/21. 43: 2026/01/21
51: B25B
71: HAVER & BOECKER OHG
72: WAGEMANN, Jens
33: DE 31: 10 2019 114 564.3 32: 2019-05-29
33: DE 31: 20 2019 103 065.8 32: 2019-05-29
54: ASSEMBLY DEVICE AND METHOD FOR ASSEMBLING COMPONENTS
00: -
The invention relates to an assembly device (1), in particular for pressing and/or retracting components into an opening (301) provided for this purpose in a housing part (300) or the like and/or for slipping on and/or pulling off components, said device comprising: a base body (2) and a counterpart (3), the base body (2) having a receiving means (4) for receiving the counterpart (3); a tube means (5) having a contact section (6), the tube means (5) being pushed over sections of the base body (2), and the tube means (5) and the base body (2) being displaceable relative to one another by means of at least one actuator means (7) so that the distance between the contact section (6) and the receiving means (4) can be varied. In a method for pressing in components, a component (100) is positioned in front of one side of an opening (301), the counterpart (3) is guided from the other side of the opening (301) through the opening (301) and the component (100), the counterpart (3) is connected to the base body (2) via the receiving means (4), and the distance between the contact section (6) and the receiving means (4) is changed by means of the actuator means (7) in order to press in the bearing (100). The method for retracting components (200) works in the same way, wherein the counterpart (3) is attached to the component (200).



21: 2022/01021. 22: 2022/01/21. 43: 2026/01/14
51: A61K; A61P; C07D
71: Hangzhou DAC Biotech Co., Ltd
72: ZHAO, Robert, YANG, Qingliang, HUANG, Yuanyuan, GAI, Shun, YE, Hangbo, ZHAO, Linyao, GUO, Huihui, BAI, Lu, LI, Wenjun, JIA, Junxiang, GUO, Zhixiang, ZHENG, Jun, CHEN, Xiaoxiao, KONG, Xiangfei, LIN, Chen, DU, Yong, ZHANG, Yu, ZHOU, Lei, ZHANG, Xiuzhen, ZHENG, Xiuhong, CHEN, Binbin, YANG, Yanlei, DAI, Meng, XU, Yifang, FAN, Zhongliang, ZHOU, Xiaomai, JIANG, Xingyan, CHEN, Miaomiao, ZHANG, Lingli, LI, Yanhua
33: PCT/CN 31: 2019/092614 32: 2019-06-24
54: A FORMULATION OF A CONJUGATE OF A TUBULYSIN ANALOG TO A CELL-BINDING MOLECULE
00: -
A formulation of conjugates of tubulysin analogs with a cell-binding molecule having a structure represented by Formula (I), wherein T, L, m, n, -----, R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, and R^{13} are as defined herein, can be used for targeted treatment of cancer, autoimmune disease, and infectious disease.

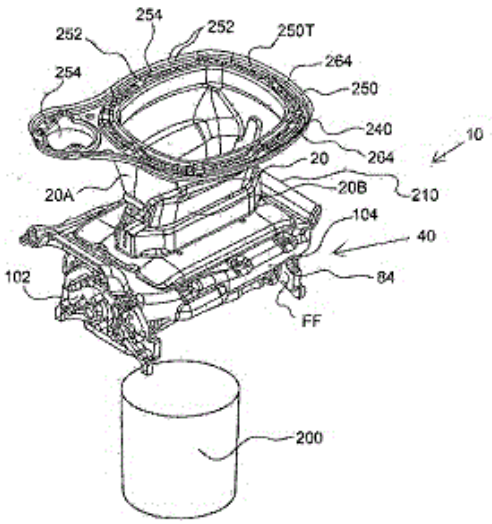
21: 2022/01652. 22: 2022/02/08. 43: 2026/01/14

51: A61K; A61P; C07D
71: Dizal (Jiangsu) Pharmaceutical Co., Ltd.
72: LI, Zhengtao, ZHONG, Wei, WANG, Jiabing, ZENG, Qingbei, TSUI, Honchung, YANG, Zhenfan, ZHANG, Xiaolin
33: PCT/CN 31: 2018/085998 32: 2018-05-08
54: ERBB RECEPTOR INHIBITORS
00: -
Disclosed are compounds inhibiting ErbBs (e. g. HER2), pharmaceutically acceptable salts, hydrates, solvates or stereoisomers thereof and pharmaceutical compositions comprising the compounds. The compound and the pharmaceutical composition can effectively treat diseases associated ErbBs (especially HER2), including cancer.

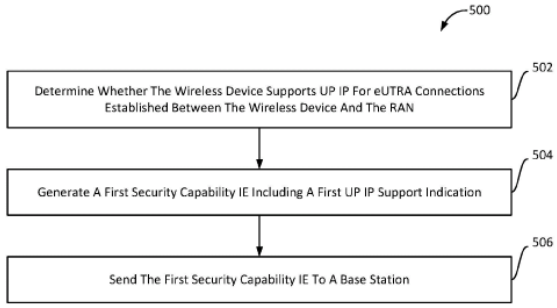
21: 2022/02242. 22: 2022/02/22. 43: 2026/02/20
51: A61K; C07K; C12N
71: Joint Stock Company "BIOCAD"
72: STRELKOVA, Anna Nikolaevna, KARABELSKII, Aleksandr Vladimirovich, MADERA, Dmitrij Aleksandrovich, PEREPELKINA, Mariya Pavlovna, IURLOVA, Elena Victorovna, GERSHOVICH, Pavel Mikhailovich, PROKOFYEV, Alexandr Vladimirovich, MOROZOV, Dmitry Valentinovich
33: RU 31: 2019126509 32: 2019-08-22
54: ISOLATED MODIFIED VP1 CAPSID PROTEIN OF AAV5
00: -
This application relates to the fields of gene therapy and molecular biology. More specifically, the present invention relates to an isolated altered VP1 protein of adeno-associated virus serotype 5 (AAV5) capsid comprising one or more amino acid substitutions as compared to the VP1 protein of wild-type AAV5 capsid, which increase transduction efficiency, as well as to a capsid and a vector based thereon.

21: 2022/03574. 22: 2022/03/28. 43: 2026/01/26
51: H04N
71: Huawei Technologies Co., Ltd.
72: CHERNYAK, Roman Igorevich, IKONIN, Sergey Yurievich, SOLOVYEV, Timofey Mikhailovich, KARABUTOV, Alexander Alexandrovich, ALSHINA, Elena Alexandrovna
33: PCT/RU 31: 2019/000664 32: 2019-09-23
54: METHOD AND APPARATUS FOR CHROMINANCE QUANTIZATION PARAMETERS SIGNALLING
00: -
A method for inverse quantization of a current block of a picture, the method comprising: receiving a bitstream; obtaining a joint chrominance component residual, JCCR, control flag from the bitstream; obtaining a chrominance mapping information from the bitstream based on the JCCR control flag; obtaining at least one chrominance quantization parameter, QP, offset from the bitstream based on the JCCR control flag; obtaining a QP value for the current chrominance block based on the obtained chrominance mapping information and the at least one obtained chrominance QP offset; performing inverse quantization on the current chrominance block by using the determined QP value.

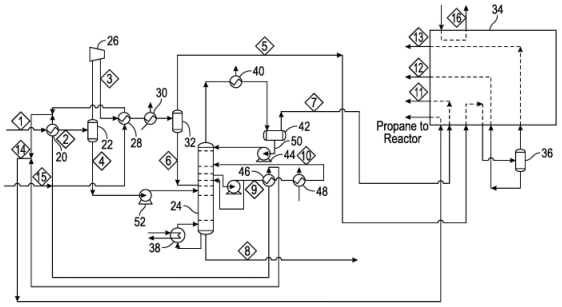
21: 2022/03868. 22: 2022/04/05. 43: 2026/01/26
51: A47K
71: LOOWATT LTD
72: WELFARE, HARRY, PURVES, IAIN, CORMASCHI, MARCUS
33: US 31: 16/577,162 32: 2019-09-20
54: WATERLESS TOILET
00: -
A waterless toilet is provided including a toilet bowl having bowl rim and mounted on top of a feed mechanism which in turn is mounted on top of a collection chamber. The feed mechanism progressively draws a flexible tubular liner from a roll, over the bowl rim and downwardly through the bowl so that it lines the bowl, through the feed mechanism and delivers the liner and any waste the liner contains into a waste collection chamber when the toilet is flushed.



21: 2022/03928. 22: 2022/04/06. 43: 2026/01/26
51: H04L; H04W
71: QUALCOMM Incorporated
72: PALANIGOUNDER, Anand, ESCOTT, Adrian Edward, LEE, Soo Bum
33: US 31: 62/910,632 32: 2019-10-04
54: USER PLANE INTEGRITY PROTECTION (UP IP) CAPABILITY SIGNALING IN 5G/4G SYSTEMS
00: -
Methods, systems, and devices are provided for supporting user plane integrity protection (UP IP) for communications with a radio access network (RAN). Various embodiments may include indicating whether or not a wireless device supports UP IP over Evolved Universal Mobile Telecommunications System (UMTS) Terrestrial Radio Access (eUTRA) by including UP IP support indications in user equipment (UE) security capability information elements (IEs).

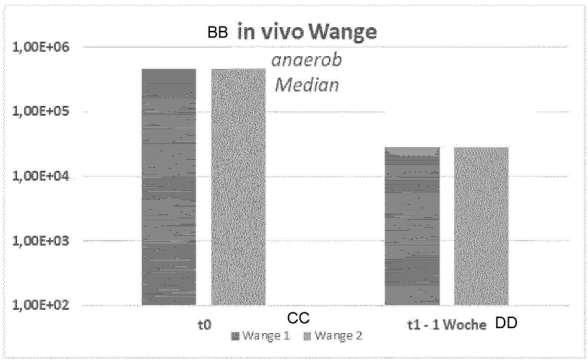


21: 2022/04030. 22: 2022/04/08. 43: 2026/01/08
51: B01D; C07C
71: Kellogg Brown & Root LLC
72: REYNEKE, Rian
33: US 31: 62/898,426 32: 2019-09-10
54: PROCESS FOR RECOVERY OF PROPYLENE FROM PROPANE DEHYDROGENATION PROCESS
00: -
In a propane dehydrogenation (PDH) process, the purpose of the deethanizer and chilling train systems is to separate the cracked gas into a methane-rich tail gas product, a C2, and a C3 process stream. By the use of staged cooling, process-to-process inter-change against propane feed to the reactor and use of high efficiency heat exchangers and distributed distillation techniques, refrigeration power requirements are reduced and a simple and reliable design is provided by the process described herein.



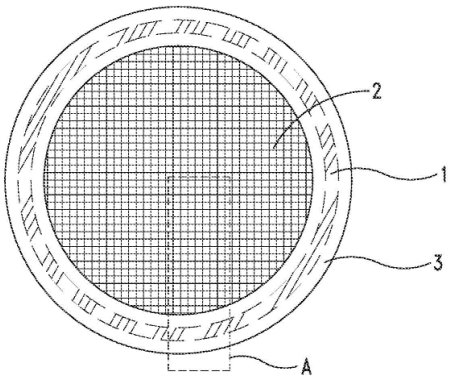
21: 2022/04737. 22: 2022/04/28. 43: 2026/01/08
51: A61K; A61P
71: Beiersdorf AG
72: TRAUPE, Bernd, BIERGIESSER, Helga, FIRYN, Andreas, GÖDDERTZ, Dominik, TREDE, Lucia Zanforlin, AVILA, Luis Arturo Carbajal, KÖRBL, Birthe, FÖLSTER, Heike, HAMANN, Tina, SCHÖNDIENST, Petra, RICHTER, Daniel
33: DE 31: 10 2019 217 898.7 32: 2019-11-20
54: COSMETIC PREPARATION CONTAINING ANISIC ACID AND LEVULINIC ACID, HAVING SELECTIVE ANTIMICROBIAL EFFECT
00: -
The invention relates to cosmetic and dermatological preparations that comprise a combination of levulinic acid and anisic acid. The preparations according to the invention are particularly suitable for use on skin. The preparations have a selective antibacterial effect on skin by specifically controlling anaerobic bacteria of the skin flora while having little or no bactericidal effect on aerobic bacteria. The compositions according to the invention are therefore suitable for cosmetic skin care and for the dermatological treatment of certain skin disorders, such as acne.

Abbildung 1 AA

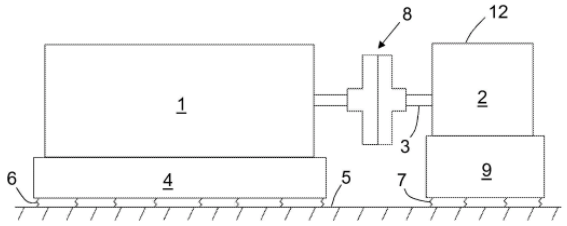


AA Fig. 1
BB in vivo cheek
anaerobic median
CC Cheek 1 Cheek 2
DD t1 - 1 week

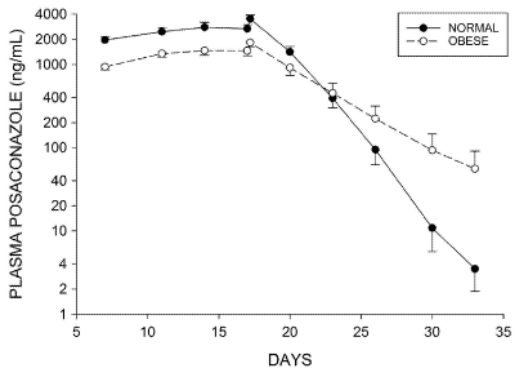
21: 2022/04956. 22: 2022/05/05. 43: 2026/01/08
51: A61K; A61M
71: Poly-Med, Inc.
72: TAYLOR, Michael Scott, GAERKE, Brian, GRAVETT, David, SOLIANI, Anna Paola, GARCIA, Kyle
33: US 31: 62/934,090 32: 2019-11-12
54: CONTRACEPTIVE MEDICAL DEVICES
00: -
Disclosed herein are contraceptive medical devices that include at least a polymeric ring, a porous barrier material and an injection molding guide, where the guide may be symmetrical and/or have one or a plurality of planar surfaces, where the device may optionally administer at least one active agent.



21: 2022/05342. 22: 2022/05/13. 43: 2026/01/08
51: F02B; F16D; F16K; G01M; H02K
71: Wärtsilä Finland Oy
72: LOKASAARI, Tero, OUNI, Antti, OJALAMMI, Juha
54: ENGINE-GENERATOR SET
00: -
The engine-generator set comprises a generator (2) for producing electricity and an engine (1) that is coupled via flexible coupling (8) to a shaft (3) of the generator (2) for driving the generator (2), the engine (1) being supported against a support surface (5) by means of a plurality of resilient mounting elements (6), and the generator (2) being supported against a support surface (5) by means of a plurality of resilient mounting elements (7) separately from the engine (1), wherein the engine (1) is mechanically connected to the generator (2) solely via the flexible coupling (8).



21: 2022/05374. 22: 2022/05/16. 43: 2026/01/06
51: A61K; C12N
71: Bow River LLC
72: SRINIVASAN, Sundar, CHOW, Christina
33: US 31: 16/036,678 32: 2018-07-16
54: METHODS OF TREATMENT WITH CYP3A4 SUBSTRATE DRUGS
00: -
The present disclosure provides for methods of treating a patient with a CYP3A4 substrate drug, wherein the patient is treated with posaconazole. In some embodiments, the patient stops posaconazole treatment, waits for at least 2 days, and then is treated with the CYP3A4 substrate drug as soon as it is safe to do so. In some embodiments, treatment with the CYP3A4 substrate drug is delayed for about 2-42 days after stopping posaconazole. In some embodiments, the patient is treated with a reduced dose of the CYP3A4 substrate drug for about 2-42 days.



21: 2022/05602. 22: 2022/05/20. 43: 2026/01/06
51: A61L; A61M; B02C
71: KEMP, Elizabeth, Safe Medical Technology, Inc.
72: KEMP, Elizabeth, DAVIS, Mark
33: US 31: 16/691,723 32: 2019-11-22
54: WASTE DESTRUCTION DEVICE FOR SHARPS, NEEDLES AND SOLID WASTE
00: -
A waste destruction device for sharps, needles and solid waste preferably includes a material intake member, a destruction device and a storage member. The material intake member includes an intake housing and an intake cover. The intake cover pivots from an open to a closed orientation to receive objects to be shredded. At least one microprocessor board is used to control devices of the waste destruction device. The waste destruction device preferably includes a cutter housing, a first cutter member, a second cutter member, a cutter motor and a cutter intake housing. The waste destruction device preferably contains disinfection devices for disinfecting thereof. The storage member preferably includes a storage housing, a container drawer and a waste container. The container drawer is slidably received by the storage housing.

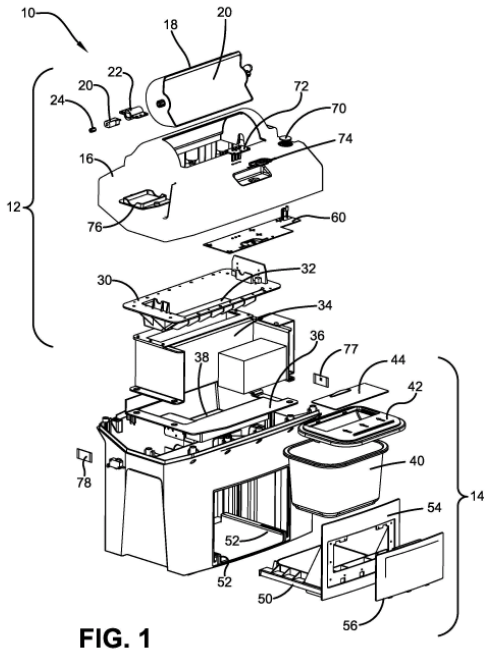
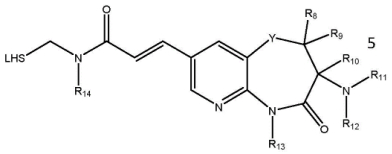
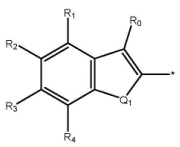


FIG. 1

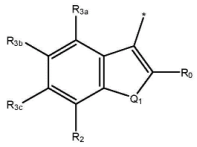
21: 2022/07004. 22: 2022/06/23. 43: 2026/01/26
51: A61K; A61P; C07D
71: Debiopharm International S.A.
72: GERUSZ, Vincent, BRAVO, Juan, PAULS, Heinz, BERMAN, Judd, FINN, Terry
33: PCT/IB 31: 2019/061119 32: 2019-12-19
54: NOVEL COMPOUNDS AND THEIR USE
00: -
The present invention provides compounds of the general formula (I) or a pharmaceutically acceptable prodrugs, salts and/or solvates thereof, wherein LHS is selected from the group consisting of LHSa and LHSb And wherein, the asterisk (*) marks the point of attachment; These compounds exhibit antibacterial activity against Gram-negative and Gram-positive bacteria, especially S. aureus, E. coli, K. pneumoniae and A. baumannii. Pharmaceutical compositions containing these compounds, therapeutic uses thereof and methods for manufacturing the same are also provided.



(I)

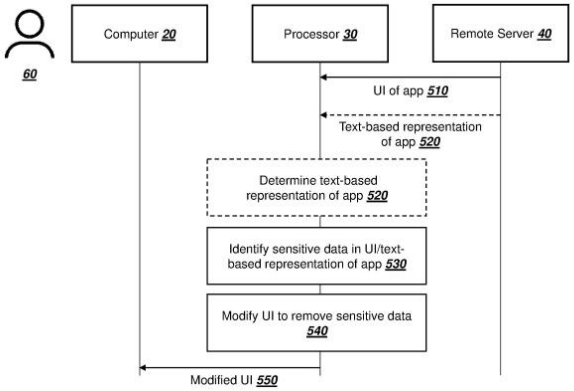


LHSa



LHSb

21: 2022/08048. 22: 2022/07/19. 43: 2026/01/06
51: G06F; H04L
71: Blue Prism Limited
72: DUBBA, Krishna Sandeep Reddy, CALI, Jacques
33: GB 31: 2000363.8 32: 2020-01-10
54: METHOD OF REMOTE ACCESS
00: -
The present invention relates to a method of preventing sensitive data received via a remote access protocol from being output to a human operator. The method comprises receiving, from a remote server via a remote access protocol, a user interface of an application executing on the remote server; receiving, from the remote server, a text-based representation of the application; identifying sensitive data in the user interface and/or the text-based representation of the application using one or more preselected filters; modifying the user interface to remove the identified sensitive data; outputting the modified user interface to one or more output peripherals of a computer for receipt by the human operator.

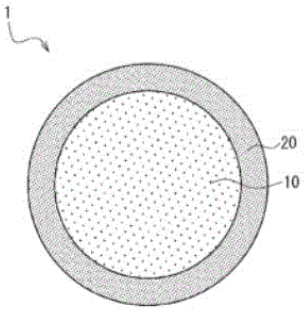


21: 2022/08334. 22: 2022/07/26. 43: 2026/01/07
51: A01N; A01P
71: Sumitomo Chemical Company, Limited
72: LIU, Jane, XU, Tong
33: US 31: 62/966,150 32: 2020-01-27
54: AN AQUEOUS INSECTICIDAL COMPOSITION AND METHODS OF USE THEREOF
00: -
The present invention is directed to an aqueous composition comprising spirotetramat, pyriproxyfen, a solvent system comprising heavy aromatic naphtha, cottonseed oil and optionally, acetyl tributyl citrate, one or more poly(ethylene oxide)-poly(propylene oxide)-poly(ethylene oxide) block copolymers and an acrylic type co-polymer having a backbone containing a carboxylated ethylenically unsaturated monomer and a non-carboxylated ethylenically unsaturated monomer and water. The present invention is further directed to methods of controlling pests by applying the compositions of the invention to an area in need thereof.

21: 2022/08675. 22: 2022/08/03. 43: 2026/02/20
51: A41G; D01F
71: KANEKA CORPORATION
72: INO, Yurina
33: JP 31: 2020-036162 32: 2020-03-03
54: CORE-SHEATH COMPOSITE FIBER FOR ARTIFICIAL HAIR, HEADWEAR PRODUCT INCLUDING SAME, AND PRODUCTION METHOD FOR SAME
00: -
One or more embodiments of the present invention relates to a core-sheath composite fiber for artificial hair which includes a core part and a sheath part, said core-sheath composite fiber for artificial hair being a colored fiber, wherein the core part has a lightness L* of 10 or lower in the CIE1976 color

space, and the sheath part has a lightness L* of 15 or greater in the CIE 1976 color space. Thus provided are: a core-sheath composite fiber for artificial hair which has an excellent appearance and expresses natural coloration with a depth similar to that of human hair; a headwear product including the same; and a production method for the same.

[図1]

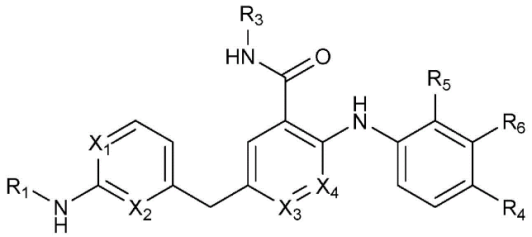


21: 2022/09116. 22: 2022/08/15. 43: 2026/01/28
51: A61K; A61P; C07C; C07D
71: Chugai Seiyaku Kabushiki Kaisha
72: ISSHIKI, Yoshiaki, WATANABE, Fumio, TOMIZAWA, Masaki, HADA, Kihito, HATTORI, Kazuo, KAWASAKI, Kenichi, HYODO, Ikumi, AOKI, Toshihiro
33: JP 31: 2020-008757 32: 2020-01-22

54: ARYLAMIDE DERIVATIVE HAVING ANTITUMOR ACTIVITY

00: -

The present disclosure provides, for example, compounds represented by general formula (6) [in the formula, X_1, X_2, X_3, and X_4 are each independently -CR_2= or -N=; R_2 is, for example, a halogen atom; R_1 is, for example, -$S(=O)_2$-NH-R_8; R_8 is, for example, a C1-6 alkyl group; R_3 is, for example, a hydrogen atom; R_5 is, for example, a halogen atom; R_6 is, for example, a hydrogen atom; and R_4 is, for example, a cyclopropyl group] or a pharmaceutically acceptable salt thereof, or a pharmaceutically acceptable solvate of the compound or salt. The compounds, salts, and solvates provided by the disclosure have high RAF/MEK complex stabilization activities and can be used for the treatment or prevention of cell proliferation diseases and particularly cancers.



(6)

21: 2022/09849. 22: 2022/09/02. 43: 2026/02/18
51: B67D
71: HEINEKEN SUPPLY CHAIN B.V.
72: GRIFFIOEN, Edwin Johannes Cornelis, SLUIJTER, Robert Hugo, PAAUWE, Arie Maarten
33: NL 31: 2025019 32: 2020-02-28

54: PRESSURE VESSEL FOR USE IN A BEVERAGE DISPENSING ASSEMBLY

00: -

A pressure vessel assembly is provided for use in a beverage dispensing assembly. The assembly comprises a pressure vessel (102) comprising a housing (103) provided by at least two shell parts (141), (142), the housing comprising, a gas inlet (190) for receiving a gas in the pressure vessel (102) and a beverage dispensing passage (111), wherein the at least two shell parts (106, 109) are releasably connectable for forming the housing (103) and for receiving a compressible beverage container assembly (200) filled with a substantially non-carbonated beverage in the housing (103). The compressible beverage container assembly (200) comprises a flexible bag (202) defining a beverage storage volume, a filling gland (212), connected to the flexible bag (202) providing a gland beverage passage to the beverage storage volume, and a female adapter part (214), connectable to the filling gland (212), arranged to receive at least part of a male adapter part (216) of a dispensing line (204), wherein a sealing member (257) is provided in the gland beverage passage.

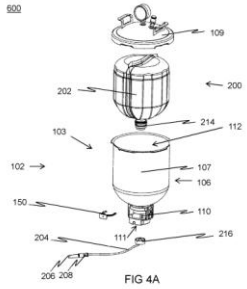


FIG 4A

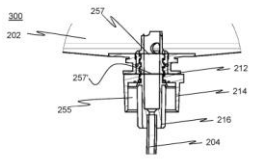


FIG 5B

21: 2022/09991. 22: 2022/09/07. 43: 2026/02/02
51: B09B; C01B; C01G; C22B
71: YARA INTERNATIONAL ASA
72: KITA, Patrycja, VOJNOVIC, Tanja, JØRGENSEN, Tom Rames, JORDBRÆK, Per Arne
33: EP 31: 20180341.8 32: 2020-06-16
33: EP 31: 20195106.8 32: 2020-09-08

54: PROCESS FOR THE REMOVAL OF HEAVY METALS FROM A PHOSPHORIC ACID CONTAINING COMPOSITION USING A FLOCCULATING AGENT

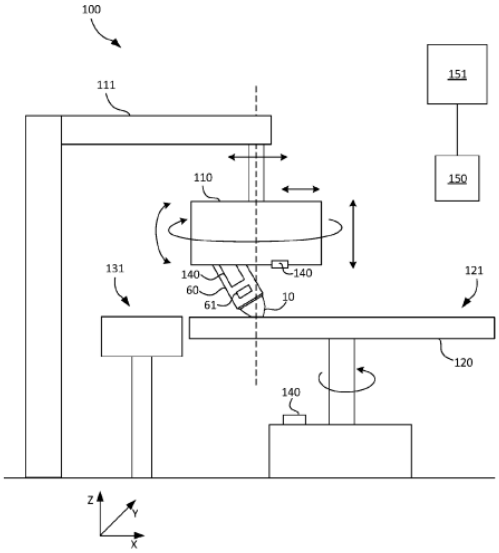
00: -

The present disclosure provides improved methods for the removal of heavy metals, in particular cadmium, from an aqueous phosphoric acid

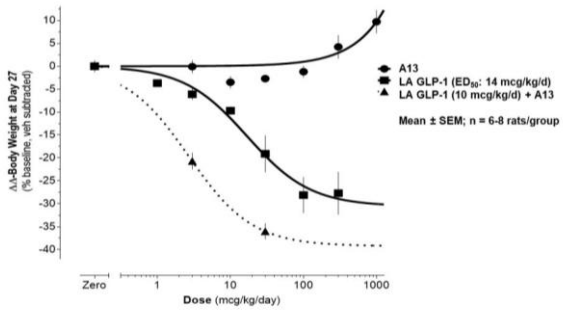
containing composition, wherein an ionic polymeric flocculating agent is added to a phosphoric acid containing composition subsequent to the addition of an organothiophosphorous heavy metal precipitating agent to said composition, particularly under gentle mixing conditions, such as between 100 and 300 rpm. The flocculating agent promotes the formation of agglomerates of the heavy metal containing precipitate, thus facilitating their removal from the composition. More in particular, the phosphoric acid containing composition is obtained by the acid digestion of phosphate rock, preferably by nitric acid, sulfuric acid, or a combination thereof.

21: 2022/10725. 22: 2022/09/28. 43: 2026/02/11
51: A61K; C07K; A61P
71: PANTAPHARM AG
72: NESSELHUT, Thomas, NESSELHUT, Jan, OSMERS, Rüdiger
33: EP 31: 20167623.6 32: 2020-04-01
33: EP 31: 20172561.1 32: 2020-04-30
33: EP 31: 20173939.8 32: 2020-05-11
54: EZRIN PEPTIDE 1 FOR USE IN A METHOD OF TREATING COVID-19
00: -
The present invention relates to Ezrin peptide 1 and/or an analogue thereof for use in a method of treating COVID-19 and for use in a method of treating post COVID-19 syndrome.

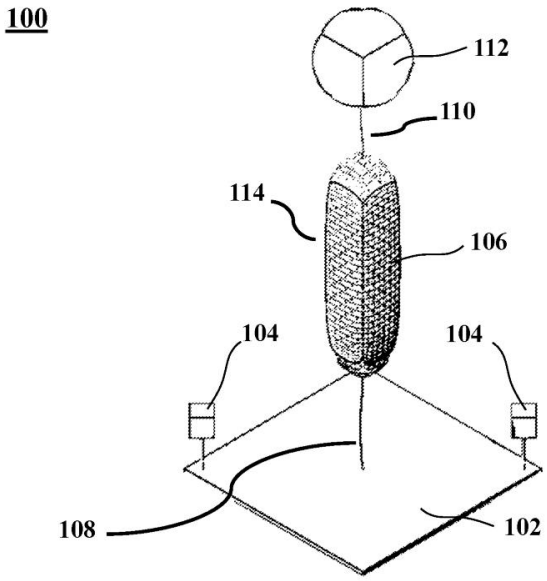
21: 2022/10858. 22: 2022/09/30. 43: 2026/02/11
51: B24B; B25J
71: ZALIRIAN LTD.
72: BEN SHMUEL, Oded, STOPER, Shilo, SPIRMAN, Omri
33: US 31: 62/987,875 32: 2020-03-11
54: AUTOMATED APPARATUS AND METHOD FOR OBJECT FACETING
00: -
An apparatus for automated polishing of an object with multiple facets includes a polishing wheel, a robotic arm, a sensor and a controller. The robotic arm positions the object in contact with the polishing wheel. The sensor senses a polishing related parameter during polishing of the object with the polishing wheel. The controller operates the robotic arm to rotate the object about an axis perpendicular to the polishing wheel, receives a sensing signal from said sensor at different orientations of said object during polishing and selects a polishing orientation from the different orientations based on said sensing signal.



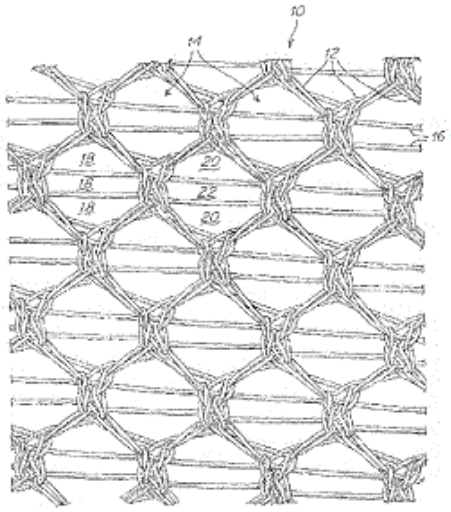
21: 2022/11387. 22: 2022/10/18. 43: 2026/01/22
51: A61K; C07K; A61P
71: I2O THERAPEUTICS, INC.
72: BLACKWELL, William, SRIVASTAVA, Ved P., WAY, James M.
33: US 31: 63/011,649 32: 2020-04-17
33: US 31: 63/076,459 32: 2020-09-10
54: LONG ACTING PEPTIDE TYROSINE TYROSINE (PYY) ANALOGS AND METHODS OF USE
00: -
This invention relates to isolated polypeptides that are long acting analogs of human PYY. The disclosed PYY analog polypeptides have beneficial physicochemical properties relative to endogenous PYY and known synthetic PYY analog polypeptides, such as longer (*i.e.*, "long-acting") elimination half-lives ($t_{1/2}$), and improved solubility and thermal stability. This invention also relates to methods of using presently disclosed PYY analog polypeptides in a variety of therapeutic indications, as well as methods of producing the same. The disclosed PYY analog polypeptides are particularly useful in methods of treating metabolic diseases or disorders, such as type 2 diabetes, treating obesity, and providing weight loss, and in methods of treating nonalcoholic fatty liver disease (NAFLD) and/or nonalcoholic steatohepatitis (NASH).



21: 2022/11943. 22: 2022/11/02. 43: 2026/01/07
51: A01K
71: COASTAL WATERS BIOTECHNOLOGY 2, INC.
72: YANCEY, Dennis Dwayne, Jr., MCCLUNG, Arthur, III
33: US 31: 63/005,615 32: 2020-04-06
54: URCHIN CULLING MECHANISM AND ATTRACTANT METHOD
00: -
Embodiments of the present disclosure relate to a system for attracting and monitoring marine life by capturing images on and around the seafloor surrounding a device of the system. The system can quantitatively measure the effectiveness of attracting and culling marine life such as but not limited to sea urchins. The attracting and the culling features can be used independently.



21: 2022/12561. 22: 2022/11/17. 43: 2026/01/16
51: D04B; A61F
71: DAVOL INC.
72: FELIX, AUGUSTUS, LIGEIKIS, MICHAEL
33: US 31: 16/907,104 32: 2020-06-19
54: PROSTHETIC REPAIR FABRIC
00: -
The repair fabric includes a dual bar warp knit mesh for use in repairing soft tissue and muscle wall defects, including hernia repair and chest wall reconstruction. The repair fabric may be produced according to a first bar pattern chain of 4/24/64/2 6/8 6/4 6/8 of first filaments and a second bar pattern chain of 6/8 2/06/8 4/2 8/104/2 of second filaments. The diameter of the first filaments being different from the diameter of the second filaments.



21: 2022/12705. 22: 2022/11/22. 43: 2026/01/16
51: A61K; A61P; C07K
71: COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
72: LEONETTI, MICHEL, SAVATIER, ALEXANDRA, COUSIN, CÉLINE, SLOBODAN, CULINA
33: FR 31: FR20 05663 32: 2020-05-28
54: IMMUNOMODULATORY COMPLEX AND USES THEREOF FOR THERAPY
00: -
The invention relates to a molecular complex consisting of at least one ligand of a sulphated sugar of the glycosaminoglycan family linked to at least one ligand of a surface molecule of antigen-presenting cells or NK or NKT cells, for use as an immunomodulatory drug, in particular in the immunotherapy of cancer and infectious diseases.

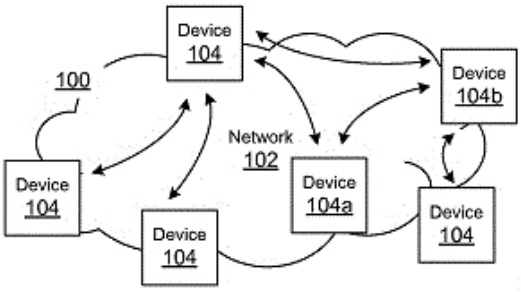
21: 2022/12891. 22: 2022/11/28. 43: 2026/03/02
51: A61K; C07K; A61P

71: REGENERON PHARMACEUTICALS, INC.
72: LOWY, Israel, RIETSCHEL, Petra
33: US 31: 62/461,672 32: 2017-02-21
33: US 31: 62/595,190 32: 2017-12-06
54: ANTI-PD-1 ANTIBODIES FOR TREATMENT OF LUNG CANCER
00: -
The present invention provides methods for treating, reducing the severity, or inhibiting the growth of cancer (e.g., lung cancer). The methods of the present invention comprise administering a therapeutically effective amount of a programmed death 1 (PD-1) antagonist (e.g., an anti-PD-1 antibody), to a subject with lung cancer wherein the cancer tissue expresses PD-L1.

21: 2022/13167. 22: 2022/12/05. 43: 2026/01/29
51: A61K
71: SAPIENCE THERAPEUTICS, INC.
72: KAPPEL, BARRY JAY, MERUTKA, GENE, ROTOLO, JIMMY ANDREW, MICHEL, ROBERT E, BEXON, ALICE SUSANNAH
33: US 31: 63/041,988 32: 2020-06-21
33: US 31: 63/041,989 32: 2020-06-21
33: US 31: 63/041,986 32: 2020-06-21
33: US 31: 63/041,990 32: 2020-06-21
33: US 31: 63/172,560 32: 2021-04-08
33: US 31: 63/041,991 32: 2020-06-21
54: ADMINISTRATION OF CEBP-BETA ANTAGONIST AND METHODS OF USE
00: -
Provided are methods of administering a peptide antagonist of CCAAT/enhancer-binding protein beta (C/EBPβ) and methods of treating solid tumors by administering a peptide antagonist of C/EBPβ.

21: 2022/13314. 22: 2022/12/08. 43: 2026/01/29
51: C12N; A61P
71: SYNCONA IP HOLDCO (3) LIMITED, THE UNIVERSITY OF BRISTOL
72: GRIFFITH, ALAN WILLIAM, STANCZUK, LUKAS, KUZMUK, VALERYIA, HOLLOWOOD, CHRIS, SCHMIDT, DOMINIC, SALEEM-UDDIN, MOIN AHSON, WELSH, GAVIN IAIN
33: GB 31: 2010009.5 32: 2020-06-30
54: VECTOR
00: -
The present invention provides a viral vector comprising a nucleotide sequence encoding a complement protein, wherein the nucleotide sequence is operably linked to a podocyte-specific promoter and/or the viral vector is capable of specifically transducing podocytes.

21: 2022/13315. 22: 2022/12/08. 43: 2026/01/29
51: H04W
71: WIREPAS OY
72: PIRSKANEN, JUHO, KASEVA, VILLE
33: FI 31: 20205602 32: 2020-06-10
54: RESOURCE SCHEDULING SYSTEM FOR A WIRELESS COMMUNICATION NETWORK
00: -
The application relates to a resource scheduling system (100) for a wireless communication network (102). The system comprises a first communication device (104a) and a second communication device (104b). The first and second communication devices (104a, 104b) belong to a group of plurality of communication devices (104, 104a, 104b) of the network. Each communication device (104, 104a, 104b) in the group of plurality of the communication devices is configured to provide a bi-directional radio communication with at least one of the plurality of the communication devices. The first communication device is configured to send a transmission resource configuration to rest (104, 104b) of the plurality of the communication devices. The first communication device is further configured to broadcast separately a transmission resource assignment to the rest of the plurality of the communication devices.



21: 2022/13362. 22: 2022/12/09. 43: 2026/01/29
51: B01L; G01N
71: ILLUMINA, INC.
72: GAUSTAD, ADAM, ZETTERBERG, JEREMY, KHOO, NORMAN, STOJAKOVIC, JELENA, CORS, JULIEN, SOLIS, DANIEL, BURKE, CHANDLER
33: US 31: 63/051,855 32: 2020-07-14
54: MICROARRAYS, HYBRIDIZATION SEALS, AND RELATED METHODS

00: -
Microarrays, hybridization seals and related methods. An apparatus includes a substrate including a plurality of probes and a hybridization seal. The hybridization seal includes an evaporation barrier and a layer including walls that form a grid pattern and define a plurality of sample chambers that are to receive fluid. The layer includes a first side removably coupled to the substrate and a second side that is coupled to the evaporation barrier. The evaporation barrier includes barrier sections that cover the probes and include one or more slits that allow the barrier sections to have a convex profile or a concave profile depending on an amount of the fluid within the corresponding sample chamber.

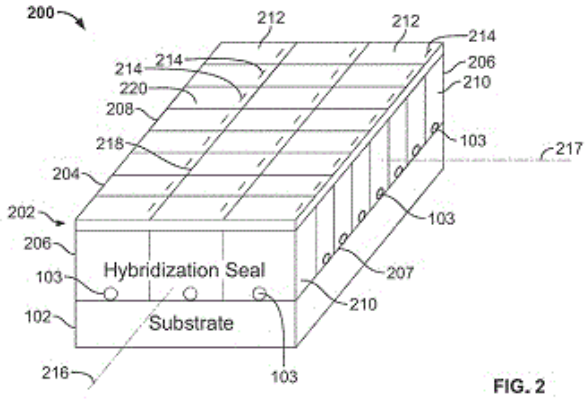
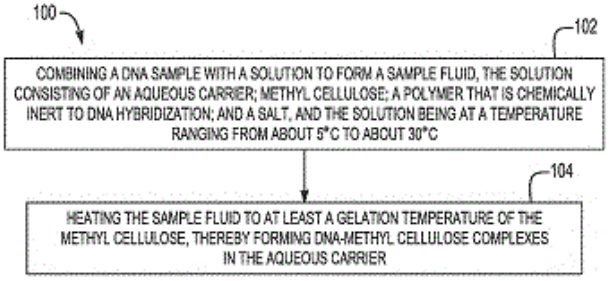
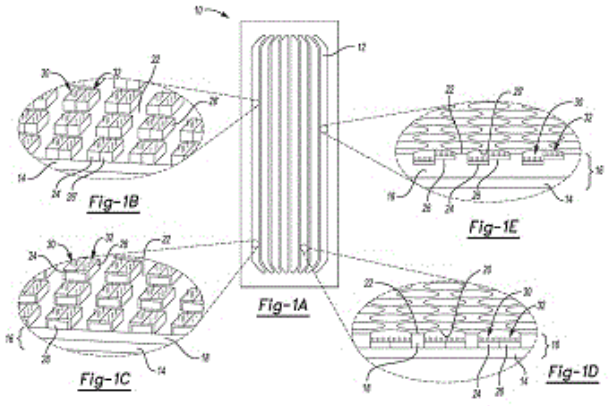


FIG. 2

21: 2022/13366. 22: 2022/12/09. 43: 2026/01/29
51: C12Q; B01L
71: ILLUMINA, INC.
72: RAMIREZ, SEAN M, PRABHU, ANMIV, PANTOJA, RIGO, HIGGINS, MICHELLE
33: US 31: 63/047,103 32: 2020-07-01
33: NL 31: 2026080 32: 2020-07-17
54: NUCLEIC ACID CAPTURE, CONCENTRATION, AND PURIFICATION
00: -
An example of a kit includes a flow cell assembly. The flow cell assembly includes a reaction chamber, a temperature controlled flow channel in selective fluid communication with an inlet of the reaction chamber, and a filter positioned in the temperature controlled flow channel. The reaction chamber includes depressions separated by interstitial regions and capture primers attached within each of the depressions. The filter is i) to block concentrated biological sample-polymer complexes generated in the temperature controlled flow channel at a first temperature, and ii) to allow passage of concentrated biological sample and polymer released from the complexes in the temperature controlled flow channel at a second temperature.



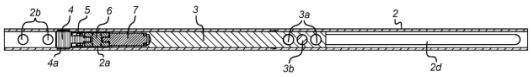
21: 2022/13368. 22: 2022/12/09. 43: 2026/01/29
51: B01J; B01L; C12Q; G01N
71: ILLUMINA, INC.
72: KODIRA CARIAPPA, BRINDA, FISHER, JEFFREY S, HONG, SAHNGKI, KRAFT, LEWIS J, MATHER, BRIAN D, MONTANO-MACHADO, VANESSA
33: US 31: 63/084,983 32: 2020-09-29
54: METHODS FOR MAKING FLOW CELLS
00: -
In one example, a flow cell includes a base support and a protrusion over the base support, where the protrusion is a different material than the base support. The flow cell further includes a first functionalized layer over a first portion of the protrusion, a second functionalized layer over a second portion of the protrusion, and first and second primer sets respectively attached to the first and second functionalized layers.



21: 2023/00385. 22: 2023/01/09. 43: 2026/01/22

51: A61B
71: Osseointegration International B.V.
72: VERHAEGH, Franciscus Theodorus Peter, AL MUDERIS, Munjed
33: NL 31: 2025981 32: 2020-07-03
54: BONE NAIL DEVICE
00: -
Bone nail device (1), with an outer tubing (2) having an inner screw thread (2a) extending over at least a part of an inner surface of the outer tubing (2), and a first bone connection member (2b), and an inner tubing (3) having a second bone connection member (3a). The inner tubing (3) is arranged inside at least a part of the outer tubing (2) to allow a sliding axial relative movement. A drive unit is present, with a drive motor (7) fixedly attached to the inner tubing (3), and a transport screw (4) having an outer screw thread (4a) engaging the inner screw thread (2a) of the outer tubing (2). A planetary gear (6) is provided in the drive unit having an input end connected to the drive motor (7) and an output end connected to the transport screw (4).

Fig. 2A



21: 2023/00536. 22: 2023/01/12. 43: 2026/01/29
51: A61K; C07F; A61P
71: GILEAD SCIENCES, INC.
72: BYUN, DANIEL H., CHUN, BYOUNG-KWON, CLARKE, MICHAEL O., JANSA, PETR, NADUTHAMBI, DEVAN, SQUIRES, NEIL H.
33: US 31: 63/062,899 32: 2020-08-07
54: PRODRUGS OF PHOSPHONAMIDE NUCLEOTIDE ANALOGUES AND THEIR PHARMACEUTICAL USE
00: -
Compounds, compositions, and method useful for treating a viral infection, such as human immunodeficiency virus (HIV) and/or hepatitis B virus (HBV) infection, are disclosed. In particular, prodrugs of phosphonamide nucleotide analogues and methods for their preparation and use as therapeutic or prophylactic agents are disclosed.

21: 2023/01353. 22: 2023/02/02. 43: 2026/01/29
51: A61K; A61Q
71: L'OREAL
72: RABUTHU, Obakeng, DONCK, Simon
54: COMPOSITION COMPRISING AN ALKALI METAL CARBONATE, CALCIUM HYDROXIDE AND SODIUM OR POTASSIUM METASILICATE, IN PARTICULAR AMOUNTS
00: -
The invention relates to a composition comprising: a) at least one alkali metal carbonate; b) at least 1.4% by weight of calcium hydroxide relative to the total weight of the composition; and c) sodium or potassium metasilicate, wherein the total amount of alkali metal carbonate a) and sodium or potassium metasilicate c) is of at least 2.6% by weight relative to the total weight of the composition. The invention also relates a cosmetic process for straightening keratin fibres using said composition.

21: 2023/02060. 22: 2023/02/20. 43: 2026/01/06
51: A01N; C05B
71: Spogen Biotech Inc.
72: THOMPSON, Brian M., AUGUSTIN, Jorg
33: US 31: 62/309,426 32: 2016-03-16
54: METHODS FOR PROMOTING PLANT HEALTH USING FREE ENZYMES AND MICROORGANISMS THAT OVEREXPRESS ENZYMES
00: -
Methods for stimulating plant growth and/or promoting plant health using free enzymes or recombinant microorganisms that overexpress enzymes are provided. Plant seeds coated with free enzymes or recombinant microorganisms that overexpress enzymes are also provided. Compositions comprising a fertilizer and an enzyme or a recombinant microorganism that overexpresses an enzyme are provided. Modified enzymes having ACC deaminase activity, recombinant microorganisms expressing the modified enzymes, plant seeds treated with the modified enzymes or recombinant microorganisms, and methods for stimulating plant growth and/or promoting plant health using the modified enzymes or recombinant microorganisms are also provided.

21: 2023/02393. 22: 2023/02/23. 43: 2026/02/26
51: A61K; C07D; A61P
71: AGOMAB SPAIN S.L.U.
72: BOSSER ARTAL, Ramón, PAMPÍN CASAL, Begoña, CASTRO PALOMINO LARIA, Julio
33: EP 31: 20382861.1 32: 2020-09-30

54: 2-(3-PYRIDIN-2-YL-4-QUINOLIN-4-YL-PYRAZOL-1-YL)-ACETAMIDE DERIVATIVES AS INHIBITORS OF TRANSFORMING GROWTH FACTOR-BETA RECEPTOR I/ALK5

00: -

The present invention relates to novel 2-(3-pyridin-2-yl-4-quinolin-4-yl-pyrazol-1- yl)-acetamide derivatives as potent inhibitors of transforming growth factor-ß receptor I, (also named activin receptor-like kinase 5) (TGFßRI)/ALK5. Other objectives of the present invention are to provide a procedure for preparing these compounds; pharmaceutical compositions comprising an effective amount of these compounds; the use of the compounds for manufacturing a medicament for the treatment of pathological conditions or diseases that can improve by inhibition of transforming growth factor-ß receptor I (TGFßRI)/ALK5, such as respiratory diseases including idiopathic pulmonary fibrosis, asthma, COPD and lung cancer, and dermal and ocular fibrotic conditions.

21: 2023/05434. 22: 2023/05/18. 43: 2026/01/23
51: G21C
71: Westinghouse Electric Company LLC
72: ALESHIN, Yuriy, LEVINSKY, Alex
33: US 31: 17/084,365 32: 2020-10-29

54: DEVICES, SYSTEMS, AND METHODS FOR ADJUSTING THE OUTPUT OF A REACTOR CORE

00: -

An adjustable core assembly for a nuclear reactor is disclosed herein. The adjustable core can include a plurality of reactivity control cells configured to accommodate a reactivity control rod, and a plurality of unit cells. The plurality of unit cells defines a radial dimension corresponding to an initial power output of the core. Each unit cell of the plurality of unit cells is configured to accommodate fuel configured to generate energy and a heat pipe configured to transfer thermal energy away from the core. Each unit cell of the plurality unit cells can be coupled to an adjacent unit cell in a radial direction, thereby altering the radial dimension, wherein the altered radial dimension corresponds to an adjusted power output of the core, and wherein the adjusted power output of the core is different than the initial power output of the core.

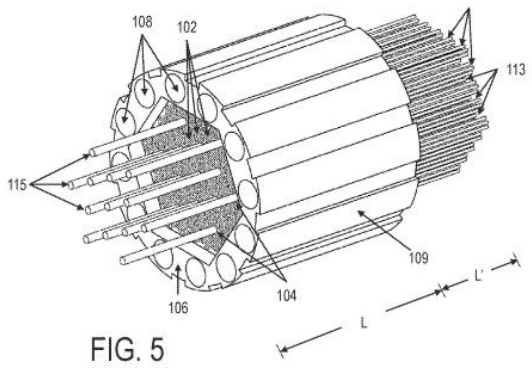


FIG. 5

21: 2023/06129. 22: 2023/06/09. 43: 2026/02/13
51: A61F
71: PAUL HARTMANN AG
72: VECHTER, Olga, BÄHRLE, Christian, KESSELMEIER, Rüdiger, GAUSE, Enno
33: DE 31: 10 2020 134 878.9 32: 2020-12-23

54: INCONTINENCE ARTICLE WITH CHANNEL AND PH REGULATOR

00: -

The present invention relates to an incontinence article for receiving bodily excretions, comprising a topsheet at least portions of which are liquid-permeable, a substantially liquid-impermeable backsheet and an absorption body arranged between the topsheet and the backsheet, the absorption body comprising a first absorbent layer, and the first absorbent layer having at least one longitudinally oriented channel, characterized in that a pH regulator is introduced into the channel.

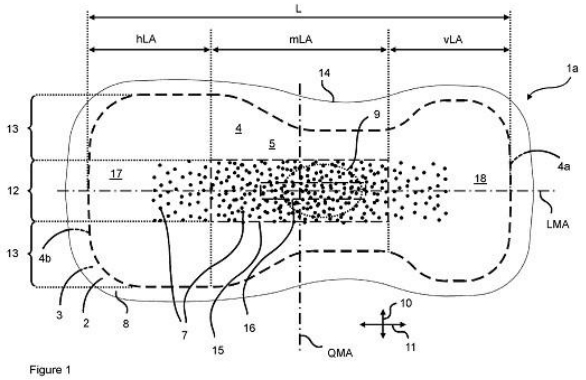


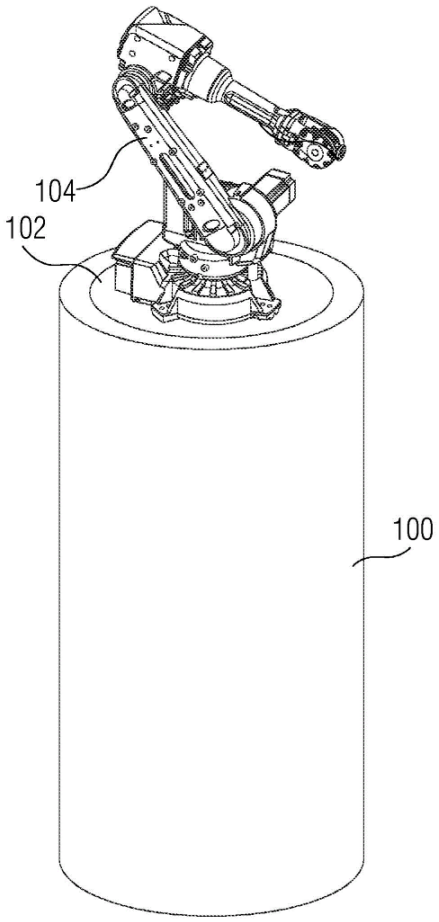
Figure 1

21: 2023/06182. 22: 2023/06/12. 43: 2026/01/23
51: B23K; G21D
71: Westinghouse Electric Company LLC
72: HARKAWAY, John S., AMODEO, Joseph P.
33: US 31: 17/109,252 32: 2020-12-02

54: SYSTEMS AND METHODS FOR WIRELESS REMOTE CONTROL OF AUTOMATED EQUIPMENT

00: -

Systems and methods for the remote control of automated equipment are disclosed herein. The systems and methods include automated equipment configured to execute a process in a restricted location by performing operations based on predetermined programming. In some embodiments, the process is a welding process and the restricted location is a nuclear containment building. The system and methods also include cellular routers configured to enable communication of operating parameters between the automated equipment and a human machine interface (HMI). An operator is able to remotely modify operations of the automated equipment, without being inside of or at the site of the restricted location, by changing the operating parameters using the HMI.



21: 2023/06290. 22: 2023/06/15. 43: 2026/02/13

51: C07K; A61P

71: I2O THERAPEUTICS, INC.

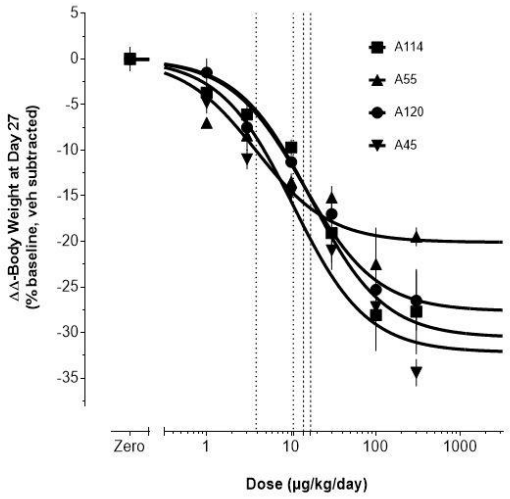
72: BLACKWELL, William, SRIVASTAVA, Ved P., PAULIK, Mark

33: US 31: 63/126,736 32: 2020-12-17

54: LONG ACTING GLUCAGON LIKE POLYPEPTIDE-1 (GLP-1) RECEPTOR AGONISTS AND METHODS OF USE

00: -

This invention relates to isolated polypeptides that are long acting analogs of human GLP-1. The disclosed GLP-1 receptor agonist polypeptides have beneficial physicochemical properties relative to endogenous GLP-1 and known synthetic GLP-1 receptor agonist polypeptides, such as longer (i.e., "long-acting") elimination half-lives (t1/2), and improved solubility and thermal stability. This invention also relates to methods of using presently disclosed GLP-1 receptor agonist polypeptides in a variety of therapeutic indications, as well as methods of producing the same. The disclosed GLP-1 receptor agonist polypeptides are particularly useful in methods of treating metabolic diseases or disorders, such as type 2 diabetes, treating obesity, and providing weight loss, and in methods of treating nonalcoholic fatty liver disease (NAFLD) and/or nonalcoholic steatohepatitis (NASH).



21: 2023/06678. 22: 2023/06/29. 43: 2026/02/13

51: A61K; C07F; C07K; A61P

71: VIKING THERAPEUTICS, INC.

72: LIAN, Brian, BARKER, Geoffrey E., YAGIZ, Kader, BARNES, Maureen, STEVENS, Erland

33: US 31: 63/139,676 32: 2021-01-20

54: COMPOSITIONS AND METHODS FOR THE TREATMENT OF METABOLIC AND LIVER DISORDERS
00: -
Disclosed herein are small molecule GIP/GLP-1 dual receptor agonist compositions, pharmaceutical compositions, the use and preparation thereof.

21: 2023/06972. 22: 2023/07/10. 43: 2026/02/13
51: B05B; F16J
71: GUALA DISPENSING S.P.A.
72: ALLUIGI, Riccardo
33: IT 31: 102021000003743 32: 2021-02-18
54: TRIGGER DISPENSING DEVICE WITH MEANS TO AVOID THE LOSS OF PRODUCT
00: -
A trigger dispensing head (4) applicable to a bottle (2) of a trigger dispensing device (1) comprises a cylinder chamber (14), a main venting passageway (26), a sleeve (30), a secondary venting passageway (50), a piston (80), a suction duct, and a dispensing duct. The sleeve (30) is rotatable by the user between an angular working position wherein the main venting passageway (26) is in fluid communication with the secondary venting passageway (50) and an angular rest position, wherein the main venting passageway (26) is fluidically separated from the secondary venting passageway (50).

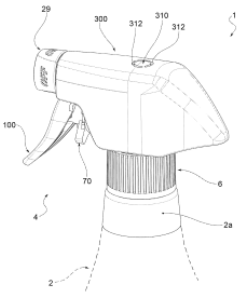


FIG.1

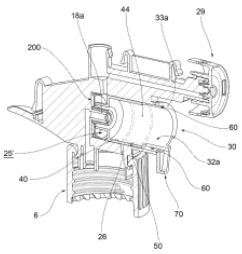


FIG.6

21: 2023/07673. 22: 2023/08/03. 43: 2026/01/28
51: A61F; A61K; A61L; A61P
71: Amryt Pharmaceuticals Designated Activity Company
72: WATSON, John Ashleigh, JÄGER, Sebastian, ZAHN, Tobias
33: US 31: 62/613,646 32: 2018-01-04
54: BETULIN-CONTAINING BIRCH BARK EXTRACTS AND THEIR FORMULATION
00: -
The present disclosure relates to birch bark extracts, methods of producing such extracts, stable pharmaceutical compositions containing such extracts and methods of using of such extracts. The birch bark extracts of the present disclosure contain triterpenes, which are known to improve wound healing.

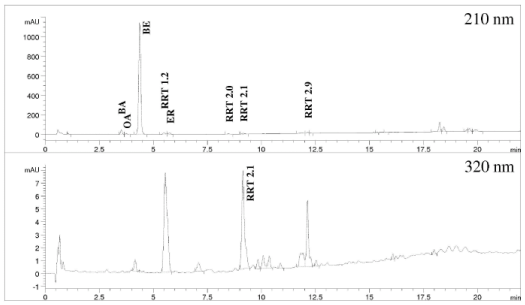
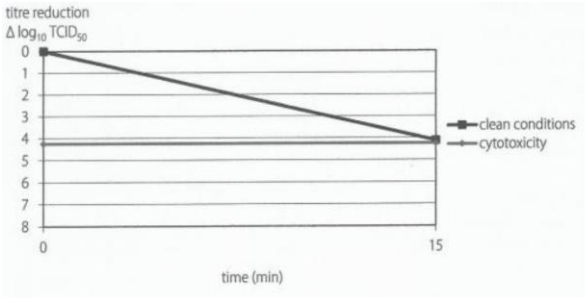


FIG. 1

21: 2023/07940. 22: 2023/08/16. 43: 2026/01/23
51: A61K; C07K
71: Nektar Therapeutics
72: BOSSARD, Mary J., ALI, Cherie F., LIU, Xiaofeng, CHARYCH, Deborah H., WANG, Yujun
33: US 31: 61/413,236 32: 2010-11-12
54: CONJUGATES OF AN IL-2 MOIETY AND A POLYMER
00: -
Conjugates of an IL-2 moiety and one or more nonpeptidic, water-soluble polymers are provided. Typically, the nonpeptidic, water-soluble polymer is poly (ethylene glycol) or a derivative thereof. Also provided, among other things, are compositions comprising conjugates, methods of making conjugates, methods of administering compositions to an individual, nucleic acid sequences, expression systems, host cells, and methods for preparing IL-moieties.

21: 2023/07984. 22: 2023/08/17. 43: 2026/03/05
51: A01N
71: THE MARTIN FAMILY TRUST
72: MARTIN, Antonietta
33: ZA 31: ZA 2021/01103 32: 2021-02-18
54: METHOD OF INACTIVATING A VIRUS USING A GLUTARALDEHYDE CONTAINING COMPOSITION
00: -

A method of inactivating a virus by at least a 4-log10 reduction comprising the step of applying, to an environment containing the virus, a stable aqueous glutaraldehyde containing solution comprising glutaraldehyde; an alcohol ethoxylate non-ionic surfactant; a pH modifier; and a buffer comprising at least sodium acetate trihydrate.

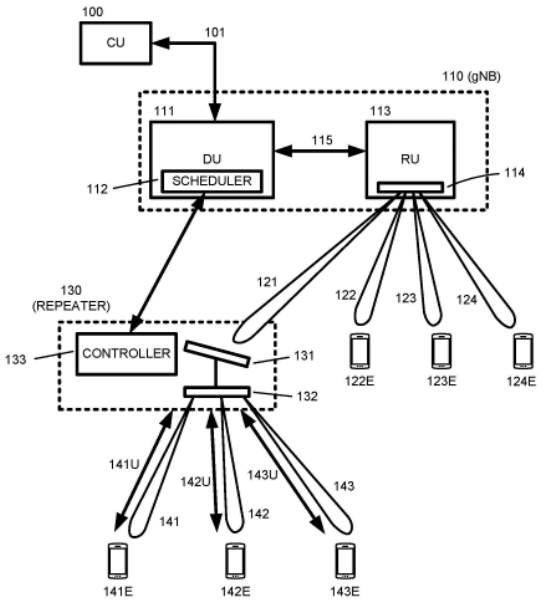


21: 2023/08122. 22: 2023/08/22. 43: 2026/01/23
51: A23L; A61K
71: Société des Produits Nestlé S.A.
72: DE BRUYN, Florac, JOHNSON, Katja, BOGICEVIC, Biljana, MAES, Dominick, DUBOUX, Stéphane
33: EP(CH) 31: 21154300.4 32: 2021-01-29
54: MIXTURE OF HMOS AND BIFIDOBACTERIA
00: -
The invention relates to a composition for infants or young children comprising at least one probiotic bacterial strain, said probiotic bacterial strain being bifidobacteria and a prebiotic mixture of human milk oligosaccharides consisting of 2'-fucosyllactose (2FL), lactodifucotetraose/difucosyllactose (DFL), lacto-N-tetraose (LNT), 6'-sialyllactose (6SL), 3'-sialyllactose (SSL) and optionally 3-fucosyllactose (3FL) that can be useful for (i) preventing and/or treating bacterial infections; (ii) modulating the microbiota; and/or iii) preventing and/or treating allergy in an infant or a young child.

21: 2023/08166. 22: 2023/08/23. 43: 2026/01/23
51: A01N; A01P
71: Syngenta Crop Protection AG
72: MEUNIER, Celine, JANKER, Marion, GARO, Kerstin, SIEBOLD, Claudia, SCHNEIDER, Sandra, KIENTZ, Heloise, BREMONT, Anne-Laure, BIRCHER, Rene Rolf
33: EP(CH) 31: 21163830.9 32: 2021-03-19
33: EP (CH) 31: 21163835.8 32: 2021-03-19
33: EP (CH) 31: 21163833.3 32: 2021-03-19

54: CYCLOBUTRIFLURAM SUSPENSION CONCENTRATE COMPOSITION
00: -
The present invention relates to an aqueous suspension concentrate composition useful in agriculture to control pests including fungi and nematodes which are harmful to commercial crops, comprising •(i) cyclobutrifluram as active ingredient; •(ii) 1 to 30 gram / liter of a sulfosuccinate wetting agent; •(iii) 5 to 50 gram / liter of a butyl polyalkylene oxide block copolymer; and •(iv) 2.5 to 35 gram / liter of a sodium lignosulfonate.

21: 2023/08234. 22: 2023/08/25. 43: 2026/01/23
51: H04W
71: Pivotal Commware, Inc.
72: BLACK, Eric James, CAVCIC, Mersad, DEUTSCH, Brian Mark, ILIC-SAVOIA, Andjela, KATKO, Alexander Remley, OSTROFF, Steven Howard, HARPER, Colby John
33: US 31: 63/141,914 32: 2021-01-26
54: SMART REPEATER SYSTEMS
00: -
A system for 5G radio access networks, that enables smart RF signal repeater devices to perform many of the functions of a 5G base station to extend millimeter wave coverage for 5G communication networks while reducing costs, increasing versatility and optimizing coverage for user devices (UEs). The devices may include outdoor network repeaters and indoor subscriber repeaters, and other mmWave network transmitter devices in a mmWave network. Different types of 5G wireless communication networks may be employed including Open Radio Access Network (O-RAN), and Next Gen Radio Access Network (NG-RAN).



21: 2023/08379. 22: 2023/08/30. 43: 2026/01/23
51: H01G
71: Exeger Operations AB
72: LINDSTRÖM, Henrik, FILI, Giovanni
33: EP(SE) 31: 21163437.3 32: 2021-03-18

54: A SOLAR CELL COMPRISING A PLURALITY OF POROUS LAYERS AND CHARGE CONDUCTING MEDIUM PENETRATING THE POROUS LAYERS

00: -

The present invention relates to a solar cell (1a) comprising a stack of porous layers, a support substrate (2) for supporting the stack, and a charge conducting medium (7) penetrating through the porous layers. The stack comprises a porous light-absorbing layer (3), a porous first conductive layer (4) including conductive material for extracting photo-generated 5 electrons from the light-absorbing layer, a porous counter electrode (6) including conductive material, and a separating layer (5) made of porous electrically insulating material and arranged between the conductive layer (4) and the counter electrode (6), and where the conductive layer (4) is arranged closer to the light-absorbing layer (3) than the counter electrode (6). The support substrate (2) is porous, and the charge conducting medium (7) is penetrating through the support substrate (2).

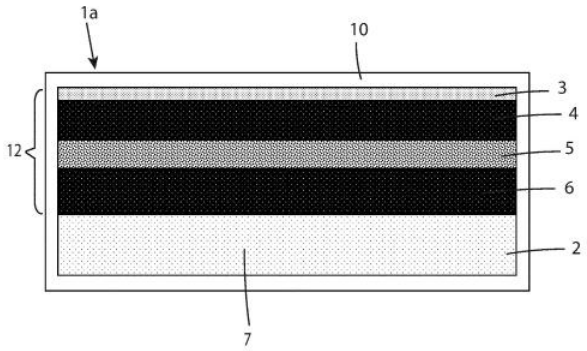


Fig. 1

21: 2023/08422. 22: 2023/08/31. 43: 2026/01/22
51: B65D
71: Ardagh Metal Packaging Europe GmbH
72: PAWELLA, Frank, RIECK, Hajo, JÖBGES, Udo
33: DE 31: 10 2021 106 980.7 32: 2021-03-22

54: LID ELEMENT AND CLOSURE ASSEMBLY FOR A BEVERAGE CONTAINER

00: -

The invention relates to a lid element (1) for a beverage container (2), at least comprising a lid panel (3) having an opening (4), a fold edge (6) extending around the lid panel (3) in a circumferential direction (5) for connecting the lid element (1) to the beverage container (2), as well as damping bead (7) extending circumferentially between the fold edge (6) and the lid panel (3); wherein the lid element (1) has an outer face (8) and an inner face (9), and the opening (4) has an opening rim (10) and an opening plane (11) formed by the opening rim (10); wherein the lid element (1) has a connection region (12) which directly adjoins the opening rim (10), extends around the opening rim (10) in the circumferential direction (5), and extends at least in part at an angle of inclination (13).

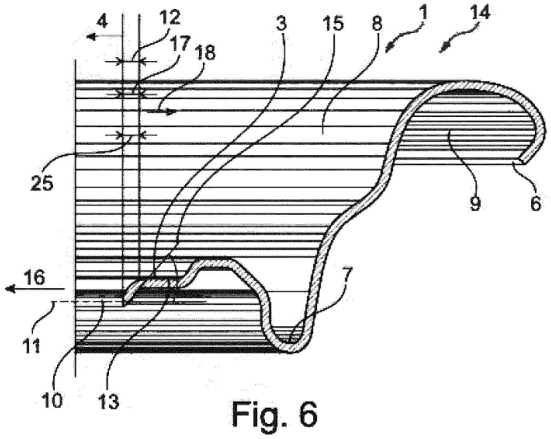
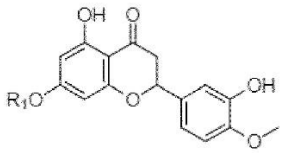


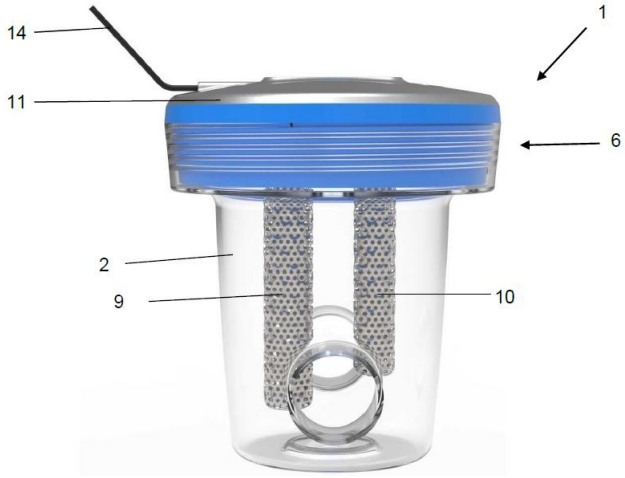
Fig. 6

21: 2023/08545. 22: 2023/09/05. 43: 2026/01/23
51: A23L
71: HEALTHTECH BIO ACTIVES, S.L.U.
72: CRESPO MONTERO, Francisco Javier, D'HOORE, Tom Nelly Aime
33: ES 31: 21382129.1 32: 2021-02-18
54: TASTE-MASKING COMPOUNDS AND COMPOSITIONS AND USES THEREOF
00: -
The present invention relates to the use of a compound of Formula (I) or a stereoisomer or salt thereof, wherein R1 is a saccharide consisting of 1 or 2 monosaccharide units as taste masker and to taste-masking compositions containing said compounds.

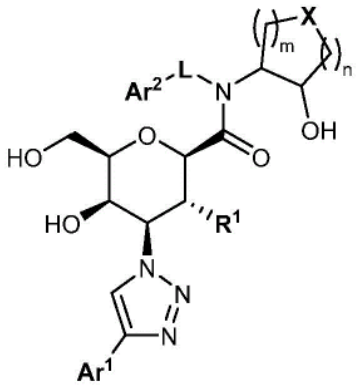


(I)

21: 2023/08585. 22: 2023/09/06. 43: 2026/01/23
51: C02F
71: SWIMBOT TECHNOLOGIES (PTY) LTD
72: SMITH, Jayden Kevin, STEVENS, Ashley Elizabeth
33: ZA 31: 2022/06223 32: 2022-06-06
54: WATER QUALITY MEASUREMENT AND CONTROL SYSTEM
00: -
A water quality measurement and control system that includes a probe assembly and a remote monitoring and reporting unit, with the probe assembly being configured to be installed in association with a body of water of which the quality is intended to be measured by the probe assembly, to configured to display the type and quantity of chemical or water treatment type on the display screen, and to activate a data signal transmitter to transmit a data carrying signal including probe measurement data to a remote monitoring and reporting unit, with the remote monitoring and reporting unit including an associated data signal receiver configured to receive the data carrying signal from the probe assembly.



21: 2023/08643. 22: 2023/09/08. 43: 2026/01/22
51: A61K; A61P; C07D
71: Idorsia Pharmaceuticals Ltd
72: BOLLI, Martin, GATFIELD, John, GRISOSTOMI, Corinna, REMEN, Lubos, SAGER, Christoph, ZUMBRUNN, Cornelia
33: PCT/EP(CH) 31: 2021/053084 32: 2021-02-09
54: HYDROXYHETEROCYCLOALKANE-CARBAMOYL DERIVATIVES
00: -
The present invention relates to compounds of Formula (I) Formula (I) wherein X, Ar¹, Ar², L, n, m, and R¹ are as described in the description, their preparation, to pharmaceutically acceptable salts thereof, and to their use as pharmaceuticals, to pharmaceutical compositions containing one or more compounds of Formula (I), and especially to their use as Galectin-3 inhibitors.



Formula (I)

21: 2023/08789. 22: 2023/09/15. 43: 2026/01/22
51: B32B; D21H
71: Société des Produits Nestlé S.A.
72: VISHTAL, Alexey, ZIMMER, Johannes
33: EP(CH) 31: 21158356.2 32: 2021-02-22

54: A RECYCLABLE CARDBOARD PACKAGING MATERIAL COMPRISING A METALLIZED BARRIER LAYER APPLIED BY TRANSFER METALLIZATION

00: -

The present invention concerns a paper-based barrier multilayer packaging material structure (1) being formed as a unitary sheet and comprising from its outer surface to its inner surface, the following layers: - a layer of water-based or solvent-less adhesive (6) having a thickness comprised between 1 µm and 10 µm, - at least one layer of a protective coating (5) having a thickness comprised between 1 µm and 10 µm, - a layer (4) of aluminum, aluminium oxide, or silicone oxide, - having an optical density equivalent of 2-5, - a release coating (3) having a thickness of 0.1 µm to 2 µm, - at least one layer of a water-resistant polyolefin sealable coating (2) having a thickness of 10 to 50 µm, preferably of 25 to 35 µm.

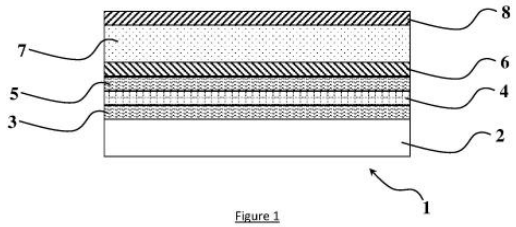


Figure 1

21: 2023/08790. 22: 2023/09/15. 43: 2026/01/22
51: B32B
71: Société des Produits Nestlé S.A.
72: ZIMMER, Johannes, VISHTAL, Alexey
33: EP(CH) 31: 21158354.7 32: 2021-02-22

54: A RECYCLABLE PAPER-BASED LAMINATE AND A BEVERAGE CARTON MADE THEREFROM

00: -

The present invention concerns a paper-based barrier multilayer packaging material structure (1) being formed as a unitary sheet and comprising from its outer surface to its inner surface, the following layers:- a polymer dispersion coating (9) having a thickness of 1 to 10 µm,- a paperboard (8) having a grammage of between 120 g/m^2 and 500 g/m^2,- a water-based or solvent-less adhesive (7) having a thickness of 1 to 10 µm,- a barrier metallized paper layer (MBPL) having substance weight between 30-120 g/m^2, preferably 45 to 90 g/m^2 and a Water Vapour Transmission Rate (WVTR) of 10 to 0.1 g/m^2/d, preferably a WVTR of 1.0 to 0.1 g/m^2/d measured at 38°C and 90% RH, and an Oxygen Transmission Rate (OTR) comprised between 100 and 0.1 cc/m^2/d, measured at 23°C and 50% RH, preferably an OTR comprised between 1.0 and 0.1 cc/m^2/d.- at least one layer of a polymer dispersion coating (2) having a thickness of 1 to 25 µm, preferably of 5 to 15 µm.

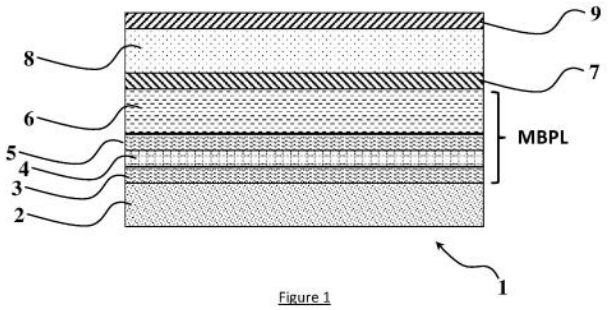


Figure 1

21: 2023/08791. 22: 2023/09/15. 43: 2026/01/22
51: B32B
71: Société des Produits Nestlé S.A.
72: ZIMMER, Johannes, VISHTAL, Alexey
33: EP(CH) 31: 21158344.8 32: 2021-02-22
54: A RECYCLABLE PAPER-BASED LAMINATE AND A BEVERAGE CARTON MADE THEREFROM
00: -

The present invention concerns a paper-based barrier multilayer packaging material structure (1) being formed as a unitary sheet and comprising from its outer surface to its inner surface, the following layers:- a polymer dispersion coating (9) having a thickness of 1 to 10 µm,- a paperboard (8) having a grammage of between 120 g/m² and 500 g/m²,- a water-based or solvent-less adhesive (7) having a thickness of 1 to 10 µm,- a barrier metallized paper layer (MBPL) having substance weight between 30-120 g/m², preferably 45 to 90 g/m² and a Water Vapour Transmission Rate (WVTR) of 10 to 0.1 g/m²/d, preferably a WVTR of 1.0 to 0.1 g/m2/d measured at 38°C and 90% RH, and an Oxygen Transmission Rate (OTR) comprised between 100 and 0.1 cc/m²/d, measured at 23°C and 50% RH, preferably an OTR comprised between 1.0 and 0.1 cc/m²/d.- a water-resistant polyolefin sealable coating (2) having a thickness of 10 to 50 µm, preferably of 25 to 35 µm.

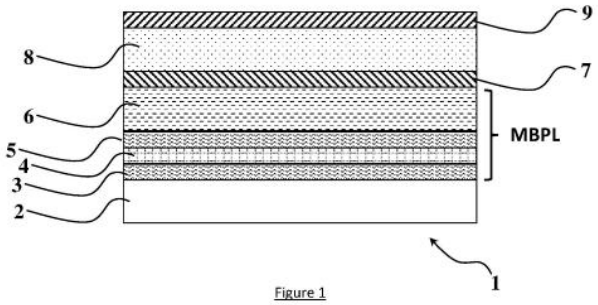
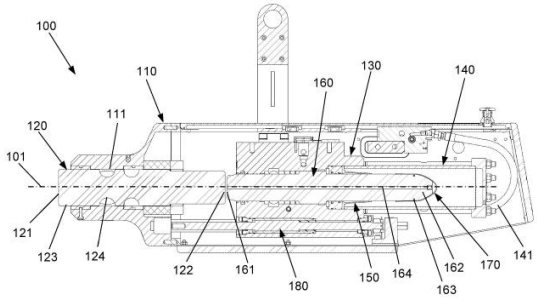


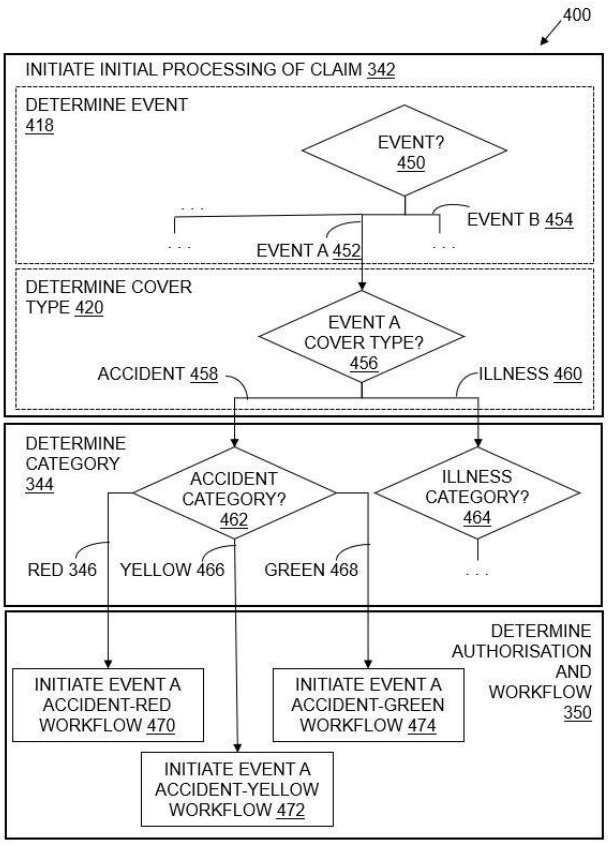
Figure 1

21: 2023/08863. 22: 2023/09/19. 43: 2026/01/22
51: A61K; A61Q
71: Givaudan SA
72: WATKINS, Stephen David, NATSCH, Andreas, KRALKA, Anne-Cécile
33: GB 31: 2104969.7 32: 2021-04-08
54: FRAGRANCE COMPOSITION
00: -
The present disclosure provides microbiome-friendly fragrance compositions adapted to mask, reduce or prevent malodours and consumer products comprising such a microbiome-friendly fragrance composition.

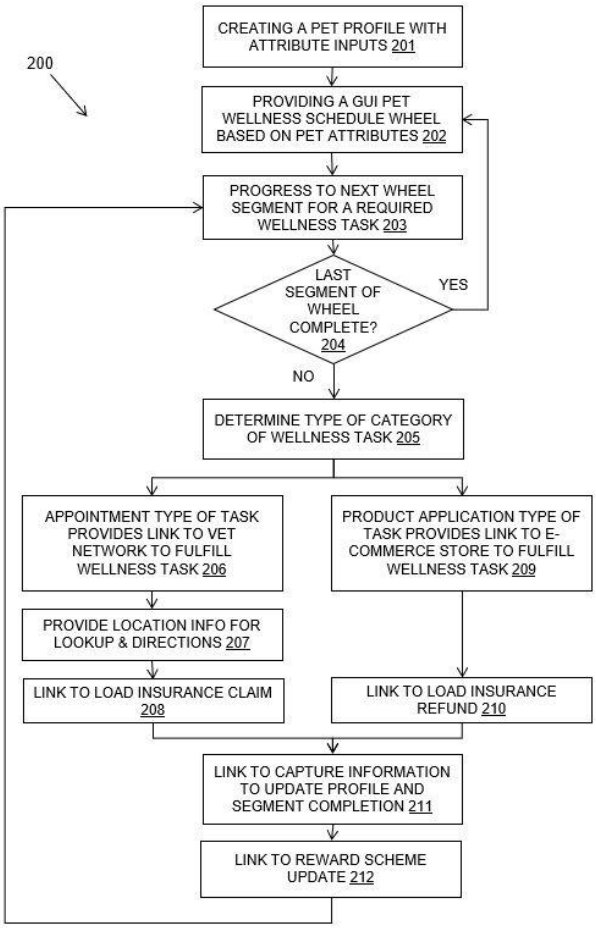
21: 2023/08910. 22: 2023/09/20. 43: 2026/01/22
51: B23P; B25D; B25F
71: Russell Mineral Equipment Pty Ltd
72: GROVES, David, RUBIE, Peter John
33: AU 31: 2021900745 32: 2021-03-15
54: LINERBOLT REMOVAL TOOL IMPROVEMENTS
00: -
A linerbolt removal tool, including: a housing; a moil supported for reciprocating movement by the housing; an inertial body located within the housing; a gas charged accumulator extending from the inertial body away from the moil; a piston moveable within the inertial body between a striking position at which the piston strikes the moil and a retracted position, whereby firing the piston from its retracted position to its striking position includes causing pressurised gas within the accumulator to accelerate the piston toward the moil, wherein the piston has a striking end for striking the moil and an opposing rear end; and a piston cap that encloses the rear end of the piston, wherein during firing, the piston and the piston cap initially accelerate together and prior to the piston reaching its striking position the piston cap separates from the piston, whereby the piston cap isolates the piston from the accumulator.



21: 2023/08997. 22: 2023/09/22. 43: 2026/01/22
51: G06Q
71: ONEPLAN UNDERWRITING MANAGERS (PTY) LTD
72: OTTEN, Michael Robert, DESSINGTON, Nicole Roseline
33: ZA 31: 2021/01384 32: 2021-03-01
54: REMOTE AUTHORISATION
00: -
A remote authorisation system and method is provided. A method includes receiving, from a remote computing device, a claim request message including a set of event data elements relating to an event and a client profile identifier. The method includes initiating initial processing of a claim associated with the event including: using the event data elements to determine a category indicator with which the event is associated; and, if the event is associated with a first category indicator, provisionally authorising the claim and transmitting a provisional authorisation confirmation message to one or both of the remote computing device and a client communication device for initiating emergent mitigation of a condition or consequence associated with the event.

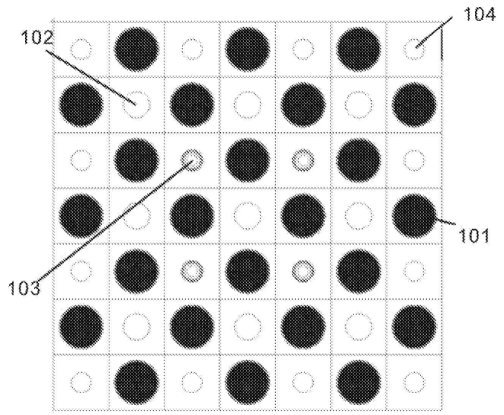


21: 2023/08998. 22: 2023/09/22. 43: 2026/01/22
51: G06Q
71: ONEPLAN UNDERWRITING MANAGERS (PTY) LTD
72: OTTEN, Michael Robert, DESSINGTON, Nicole Roseline
33: ZA 31: 2021/01311 32: 2021-02-26
54: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR SCHEDULING PET WELLNESS
00: -
A computer-implemented method, a system, and a computer program product are provided for scheduling pet wellness. The method includes creating a pet profile including attributes configured to define a pet type and a pet age with the pet profile linked to a pet insurance service. The method includes providing a graphical user interface component in the form of a wheel having a plurality of navigation segments, with each segment providing a category of a wellness task navigating to a task window, with the wheel component providing a progression around the wheel component by completion of the tasks in a recommended time period. The task windows integrate to an insurance claim input for a cost of the service provider or purchased product.



21: 2023/09105. 22: 2023/09/27. 43: 2026/01/28
51: G21C
71: China Nuclear Power Engineering Co., Ltd.
72: ZHANG, Chenglong, LIU, Guoming, YUAN, Yuan, ZHANG, Shuoting, ZHU, Siyang, DONG, Jianhua, HE, Kai, YAO, Hong, XIAO, Huiwen, LI, Yunlong
33: CN 31: 202110333122.2 32: 2021-03-29
54: REACTOR CORE SYSTEM AND GAS-COOLED MICRO REACTOR
00: -
A reactor core system (6), comprising a reactor core, a reflective layer and a rotary drum control rod (2), wherein the reactor core, which is transversely arranged, comprises a plurality of fuel assemblies (1), and the plurality of fuel assemblies (1) are arranged according to a radial partition and in an axial layered manner; the reflective layer wraps outside the reactor core; the rotary drum control rod (2) is arranged in the reflective layer; a central

graphite belt (5) is arranged in the reactor core, and the central graphite belt (5) is arranged in a vertical direction; an absorption body ball channel (4) is arranged in the central graphite belt (5), and the absorption body ball channel (4) is vertically arranged and penetrates the reflective layer; and an absorption body ball is arranged in the absorption body ball channel (4). The reactor core system (6) is small in size and convenient to transport.



21: 2023/09355. 22: 2023/10/06. 43: 2026/01/28
51: A61K; A61P; C07D
71: Bayer Aktiengesellschaft
72: LEVILAIN, Guillaume, JACOBS, Tia, OLENIK, Britta, RUBINO, Franco, ZIEM, Krischan, SOWA, Michal, RÖHRIG, Susanne
33: EP(DE) 31: 21161489.6 32: 2021-03-09
54: CRYSTALLINE FORMS OF (4S)-24-CHLORO-4-ETHYL-7³-FLUORO-35-METHOXY-3²,5-DIOXO-14-(TRIFLUOROMETHYL)-3²H-6-AZA-3(4,1)-PYRIDINA-1(1)-[1,2,3]TRIAZOLA-2(1,2),7(1)-5 DIBENZENAHEPTAPHANE-74-CARBOXAMIDE
00: -
The present invention relates to crystalline forms of (4S)-2^4-chloro-4-ethyl-7^3-fluoro-3^5-methoxy-3^2,5-dioxo-1^4-(trifluoromethyl)-3^2H-6-aza-3(4,1)-pyridina-1(1)-[1,2,3]triazola-2(1,2),7(1)-5 dibenzenaheptaphane-7^4-carboxamide which are the crystalline modification I and the crystalline modification II, to processes for their preparation, to pharmaceutical compositions comprising them and to their use in the control of disorders.

21: 2023/09362. 22: 2023/10/06. 43: 2026/01/28
51: C02F; C12M
71: Suez International
72: HADDAD, Mathieu, GEAUGEY, Valéry, BERLOU, Cynthia, LIPP, Manuel, BENARD GUEDES LOPES DA FONSECA, Pedro
33: FR 31: 2102210 32: 2021-03-08
54: REDUCED-HEADSPACE DIGESTER
00: -
The invention concerns a digester for performing a sludge methanization treatment for the purpose of generating biogas and a digestate, the digester comprising a device (32) for discharging foaming and/or floating matter (16) from the digestate (12), comprising: - a first tank (33) delimited by a first wall (100) having a first height (h1), the first tank (33) being intended to be fed with digestate (12) and with foaming and/or floating matter (16) from a volume of material (14) by overflow over the first wall (100); - a second tank (34) connected to the atmosphere and sited outside the enclosure (13) of the digester, comprising: o a first zone (35) delimited by a second wall (103) having a second height (h2); and o a second zone (36) in communication with the reservoir (19); - a conduit (37) connecting the first tank (33) via a first orifice (101) to the first zone (35) of the second tank (34) via a second orifice (102) positioned higher than or level with the first orifice (101), - the first zone (35) being intended to be fed with digestate (12) and with foaming and/or floating matter (16) from the first tank (33) through the conduit (37); the second zone (36) being intended to be fed with digestate from the first zone (35) by overflow over the second wall (103); the first height (h1) and the second height (h2) being predefined such that a first mixture, containing variable proportions of digestate and foaming and/or floating matter in the first tank (33) and having a first average density (d1), is transferred by gravity into the first zone (35), which contains a second mixture containing variable proportions of digestate and foaming and/or floating matter and having a second density (d2), the transfer operating such that the product of the first average density (d1) times the first height (h1) is greater than the product of the second average density (d2) times the second height (h2) times the first height (h1).

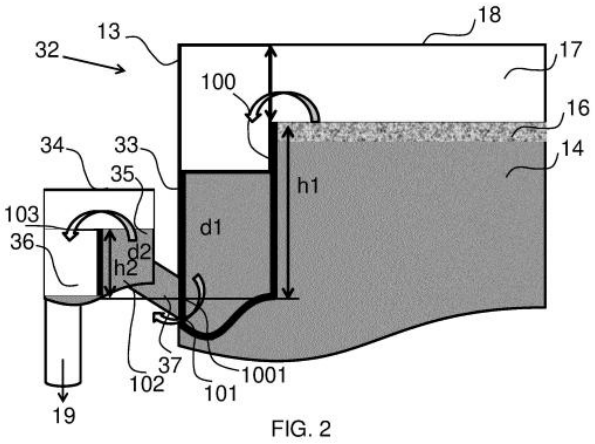
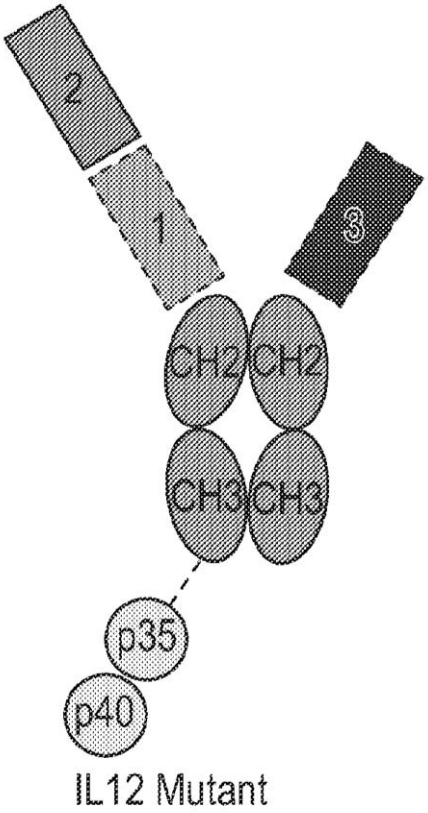


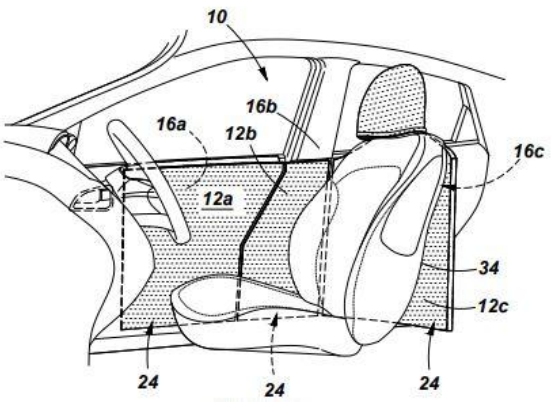
FIG. 2

21: 2023/09430. 22: 2023/10/09. 43: 2025/05/20
51: C07K; C12N
71: IMMUNOWAKE INC.
72: WU, Ellen, WU, Xiaoyun, WAKEFIELD, John
33: US 31: 63/159,441 32: 2021-03-10
33: US 31: PCT/US2021/073107 32: 2021-12-23
54: IMMUNOMODULATORY MOLECULES AND USES THEREOF
00: -
The present application relates to immunomodulatory molecules comprising a first bmding domain (e.g., immunostimulatory cytokine such as IL-2 or IL-12 or variant thereof) specifically recognizmg a first target molecule (e.g., receptor of nnmunostimulatory cytokine) and a second binding domain (e.g., agomst ligand such as PD-LI or PD-L2 or variant thereof, or agonist antigen- bmding fragment such as anti-PD-1 agonist f"ab, scFv, VHH, or full-length antibody) specifically recognizing a second target molecule (e.g., inhibitory checkpoint molecule such as PD-1), wherein the first binding domain upon binding to the first target molecule up-regulates an immune response, and wherein the second binding domain upon binding to the second target molecule down-regulates the immune response. JVIethodsof making and uses of such immunomodulatory molecules are also provided.

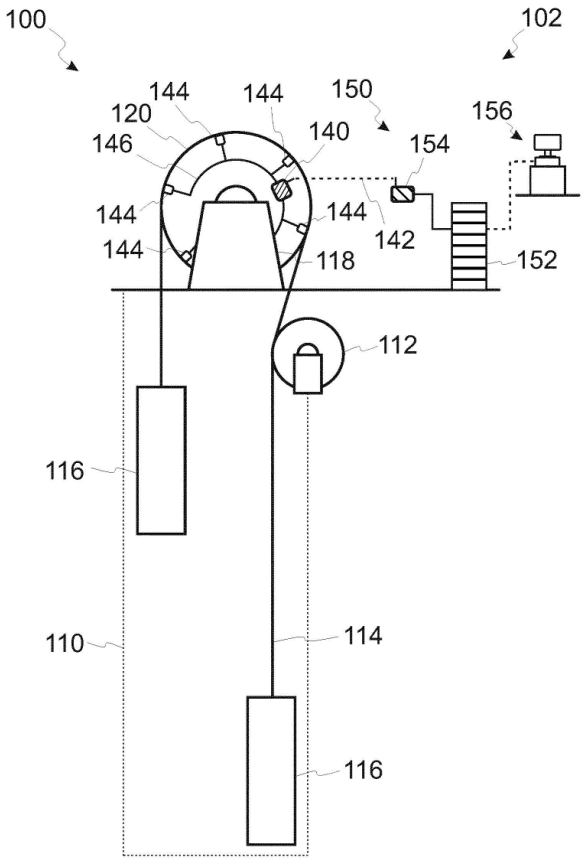


IL12 Mutant

21: 2023/09544. 22: 2023/10/12. 43: 2026/03/10
51: F41H
71: Biagi Saga Technologies (Pty) Limited, Meagan Grobler
72: Gerald Kuisis
54: VEHICLE ARMOUR
00: -
The invention provides for vehicle armour for fitment to a vehicle. It is envisaged that the vehicle is an automobile and most preferably an automobile utilised by civilians. The function of the vehicle armour of the invention is to provide ballistic protection to vehicle occupants. The vehicle armour is removably attachable to one or more vehicles and can be moved from vehicle to vehicle within a fleet as indicated. The vehicle armour has at least one panel which provides for ballistic protection capability and an attachment means for removably attaching the at least one panel to one or more exposed interior aspects of a vehicle. The invention further provides for a method of manufacturing said vehicle armour.



21: 2023/09719. 22: 2023/10/18. 43: 2026/01/28
51: B66B
71: ABB Schweiz AG
72: KENT-RODGMAN, Christopher, KEEN, Stephen, MARTIN, Sean, DAVIS, Mike
54: MINE HOIST MONITORING SYSTEM
00: -
A mine hoist monitoring system (102) for monitoring a mine hoist (100) comprising a hoist drum (120), the mine hoist monitoring system (102) comprising a hoist controller (150) configured for controlling the mine hoist (100); a plurality of strain gauges (144) mounted on the hoist drum (120); and at least one drum data node (140) mounted on, the hoist drum (120), the plurality of strain gauges (144) being coupled to the at least one drum data node (140), wherein the at least one drum data node (140) is configured for determining strain signals indicative of strain in the hoist drum (120) using the plurality of strain, gauges (144); wherein the at least one drum data node (140) is configured for transmitting the strain signals to the hoist controller (150); wherein the hoist controller (150) is configured for determining a strain, distribution, in the hoist drum (120) based, on the strain signals received from the at least one drum data node (140), and wherein the hoist controller (150) is configured for visualizing the strain distribution.



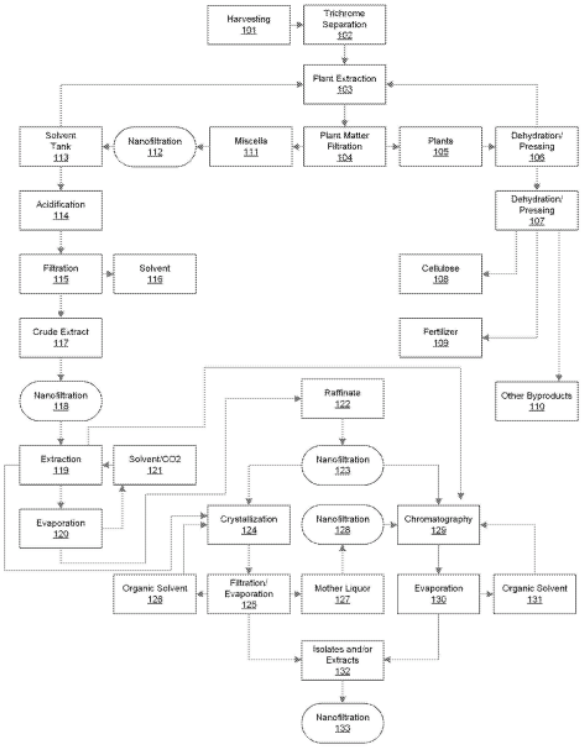
21: 2023/09763. 22: 2023/10/19. 43: 2026/01/28
51: C08K
71: Milliken & Company
72: DOTSON, Darin, XU, Xiaoyou, SUN, Hua, TSAI, Chi-Chun, Williams , Corey
33: US 31: 63/178,238 32: 2021-04-22
54: POLYPROPYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME
00: -
A polymer composition comprises a polypropylene polymer and a salt of a branched alkyl phosphonic acid.

21: 2023/09808. 22: 2023/10/20. 43: 2026/01/28
51: B29D; C08J; C08K
71: Milliken & Company
72: DOTSON, Darin, FORRISTER, Walter, XU, Xiaoyou, SUN, Hua
33: US 31: 63/178,217 32: 2021-04-22
54: POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME
00: -
A polymer composition comprises a polyethylene polymer and a salt of a branched alkyl phosphonic acid. A polyethylene film having improved barrier to water vapor and oxygen comprises a high-density polyethylene polymer having a density of about 930 kg/m³ to about 980 kg/m³ and a salt of a branched alkyl phosphonic acid.

21: 2023/09809. 22: 2023/10/20. 43: 2026/01/28
51: B29D; C08J; C08K
71: Milliken & Company
72: DOTSON, Darin, FORRISTER, Walter, XU, Xiaoyou, SUN, Hua
33: US 31: 63/178,217 32: 2021-04-22
54: POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME
00: -
A polymer composition comprises a polyethylene polymer having a Melt Relaxation Index of 2 or greater and a salt of a branched alkyl phosphonic acid. A polyethylene film having improved barrier to water vapor and oxygen comprises a high-density polyethylene polymer having a density of about 930 kg/m^3 to about 980 kg/m^3 and a Melt Relaxation Index of 2 or greater and a salt of a branched alkyl phosphonic acid.

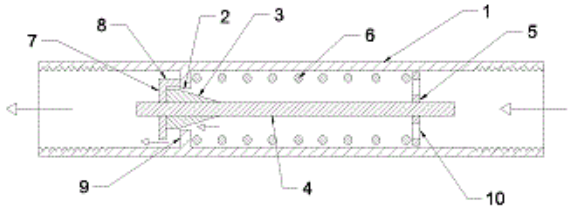
21: 2023/09810. 22: 2023/10/20. 43: 2026/01/28
51: C08K
71: Milliken & Company
72: DOTSON, Darin, FORRISTER, Walter, XU, Xiaoyou, SUN, Hua
33: US 31: 63/178,217 32: 2021-04-22
54: POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME
00: -
A polymer composition comprises a polyethylene polymer having a Melt Relaxation Ratio of 1.5 or greater and a salt of a branched alkyl phosphonic acid. A method for molding a thermoplastic polymer composition comprises the steps of (a) providing an apparatus comprising a die and a mold cavity; (b) providing the polymer composition described above; (c) heating the polymer composition to melt the polymer composition; (d) extruding the molten polymer composition through the die to form a parison; (e) capturing the parison in the mold cavity; (f) blowing a pressurized fluid into the parison to inflate the parison and conform it to the interior surface of the mold cavity; (g) allowing the molded article to cool so that the molded article retains its shape; and (h) removing the molded article from the mold cavity.

21: 2023/09862. 22: 2023/10/23. 43: 2026/01/28
51: B01D
71: Pobeltsch-Gle AD
72: IVANOV, Ervin
33: US 31: 63/165,100 32: 2021-03-23
54: METHODS AND SYSTEMS FOR THE EXTRACTION OF CANNABINOIDS
00: -
Provided herein are methods and systems that may be used to extract and refine cannabinoids and other natural substances from cannabis plants. The system may mix cannabis plant material with an alkaline water to produce a miscella of solubilized cannabinoids. The system may separate the miscella from the cannabis plant material. The system may acidify the miscella to precipitate the cannabinoids. The system separates the precipitated cannabinoids from the acidic solution. The system extracts on the precipitate to produce raffinate. The raffinate may then be purified and/or an isolated be produced.



21: 2023/10443. 22: 2023/11/09. 43: 2026/01/07
51: G05D
71: SOLAR WATER SOLUTIONS OY
72: POHJOLA, Heikki
33: FI 31: 20215438 32: 2021-04-13
54: FLUID FLOW THROTTLE VALVE
00: -
A fluid flow throttle valve that keeps the pressure of a fluid flow pumped into a system by a high-pressure pump constant and that is particularly suitable as a reject valve for maintaining the system pressure of a

reverse osmosis device at a pressure level of <20 bar. The flow pressure is regulated by a spring-actuated cone (3) that is partially within the outflow channel (2) of the throttle valve at any given time. A motion restrictor (7;8) is supported to the wider end of the cone (3) such that in its lowest position, the cone (3) permits a bypass flow of a predetermined volume up to the target pressure of the system. As the flow volume increases further and the cone (3) rises as a result, the force exerted on the restrictor member (7) by the flow pressure contributes to preventing the valve from closing.



21: 2023/10494. 22: 2023/11/10. 43: 2026/02/04
51: A61K; C07D; A61P
71: AIMMAX THERAPEUTICS, INC.
72: KEEDY, Kara S., WANG, Laurene
33: US 31: 63/192,564 32: 2021-05-24
54: PRISTINAMYCIN IA AND FLOPRISTIN COMBINATIONS IN TREATING OR PREVENTING BACTERIAL INFECTIONS
00: -
The invention relates to the discovery of novel antibiotic compositions comprising various ratios of two streptogramins, streptogramin B (e.g., pristinamycin IA) and streptogramin A (e.g., flopristin), that possess synergistic antibacterial activities against Staphylococcus spp., Streptococcus spp., Enterococcus spp., Haemophilus spp., Moraxella spp., Legionella spp., Chlamydia spp., Mycoplasma spp., Ureaplasma spp., Neisseria spp., Gardnerella spp., Bacillus spp., and Francisella spp. as well as other bacterial species. In particular, the invention relates to pharmaceutical compositions of streptogramin B (e.g., pristinamycin IA) and streptogramin B (e.g., flopristin) in a ratio (pristinamycin IA:flopristin) by weight ranging from about 0:100 to about 99:1. Furthermore, the invention relates to the pharmaceutical compositions and methods of treating and preventing a variety of bacterial infections.

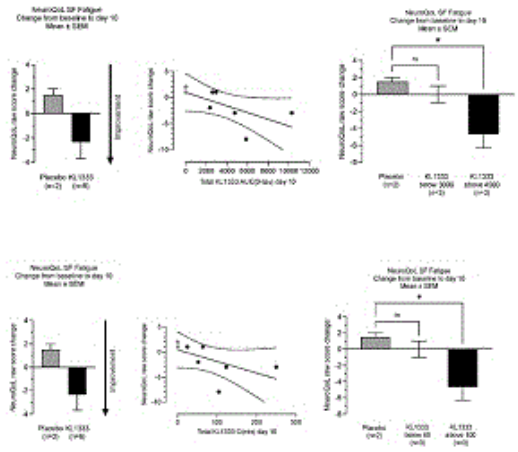
Column		1	2	3	4	5	6	7	8	9	10	11	12
		Streptogramin B Concentration in CBA1 (µg/mL)											
Row		4	2	1	0.5	0.25	0.12	0.06	0.03	0.016	0.008	0.004	0
A	2	67:33	50:50	33:67	20:80	11:89	6:94	3:97	2:98	1:99	1:99	1:99	0:100
B	1	80:20	67:33	50:50	33:67	20:80	11:89	6:94	3:97	2:98	1:99	1:99	0:100
C	0.5	89:11	80:20	67:33	50:50	33:67	20:80	11:89	6:94	3:97	2:98	1:99	0:100
D	0.25	94:6	89:11	80:20	67:33	50:50	33:67	20:80	11:89	6:94	3:97	2:98	0:100
E	0.12	97:3	94:6	89:11	80:20	67:33	50:50	33:67	20:80	11:89	6:94	3:97	0:100
F	0.06	98:2	97:3	94:6	89:11	80:20	67:33	50:50	33:67	20:80	11:89	6:94	0:100
G	0.03	99:1	98:2	97:3	94:6	89:11	80:20	67:33	50:50	33:67	20:80	11:89	0:100
H	0	100:0	100:0	100:0	100:0	100:0	100:0	100:0	100:0	100:0	100:0	100:0	0:0

Streptogramin A Concentration in CBA1 (µg/mL)

21: 2023/10716. 22: 2023/11/20. 43: 2026/01/20
51: A61K; A61P
71: FUNDACIÓ PRIVADA INSTITUT D'INVESTIGACIÓ ONCOLÒGICA DE VALL HEBRON, UNIVERSITAT DE BARCELONA, INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS
72: GARCÍA PALMER, HÉCTOR, PUIG BORREIL, ISABEL, TABERNERO CATURLA, JOSEP, GALDEANO CANTADOR, CARLOS, MUÑOZ-TORRERO LÓPEZ-IBARRA, DIEGO, BARRIL ALONSO, XAVIER, RUIZ CARMONA, SERGIO
33: EP 31: 21382343.8 32: 2021-04-21
54: COMPOUNDS FOR USE IN THE TREATMENT OF HYPERPROLIFERATIVE DISORDERS
00: -
The present invention relates to 2-aminothiazol or 2-aminooxazol derivatives or pharmaceutically acceptable salt thereof for use in the treatment of hyperproliferative disorders, to method of treatment and/or prevention of hyperproliferative disorders using said compounds and to a subgroup of said derivatives which are new.

21: 2023/10766. 22: 2023/11/21. 43: 2026/01/20
51: A61K; A61P
71: ABLIVA AB, YUNGJIN PHARM CO., LTD
72: HANSSON, MAGNUS JOAKIM, HUGERTH, MATILDA, GRÖNBERG, ALVAR
33: DK 31: PA202170253 32: 2021-05-19
54: KL1333 FOR USE IN MEDICINE
00: -
The present invention relates to i] KL1333 for use in the treatment of mitochondrial diseases or diseases associated with mitochodrial diseases such as fatigue such as fatigue syndrome and fatigue associated with a disease or muscle weakness associated with a mitochondrial disease, ii] KL1333 for use in a dosage regime for the treatment of one or more of fatigue, muscle weakness or a mitochondrial disease, iii] use of blood lactate [mM]Zpyruvate [mM] ratio as biomarker of KL1333 treatment effect, wherein a decrease in ratio indicates that the treatment is effective, and iv] use

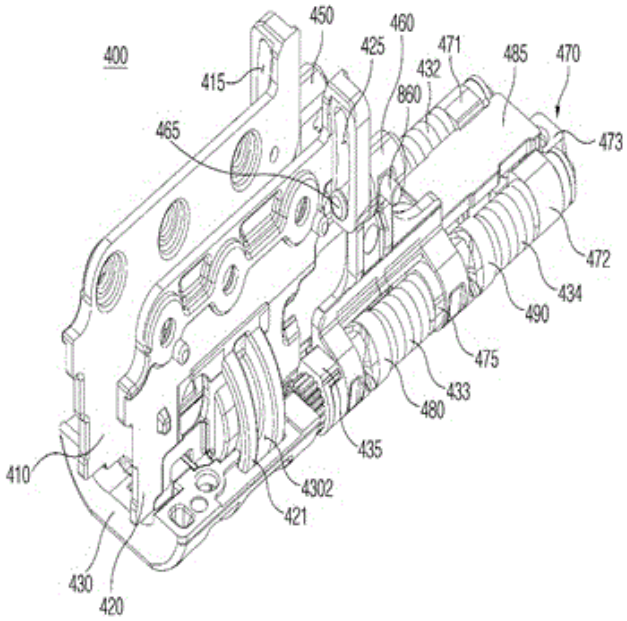
of serum niacinamide and/or xanthine as biomarker of KL1333 treatment effect, wherein an increase in the ratio of niacinamide and/or xanthine concentrations indicates that the treatment is effective and the ratio of niacinamide and/or xanthine concentrations is [serum concentration at test day]/[serum concentration at the start of the treatment].



21: 2023/10832. 22: 2023/11/23. 43: 2026/01/20
51: C07D; A61K; A61P
71: ONCONIC THERAPEUTICS INC.
72: JEON, SEONG HYEON, AN, JUNG GI, KIM, JOHN
33: KR 31: 10-2021-0064416 32: 2021-05-18
54: CRYSTALLINE FORM OF TRICYCLIC DERIVATIVE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME
00: -
The present invention relates to: a crystalline form of a citric acid salt of a tricyclic derivative compound represented by chemical formula 1; a method for preparing the crystalline form of the citric acid salt; and a crystalline form of the tricyclic derivative compound represented by chemical formula 1, wherein the crystalline form of the tricyclic derivative compound is effectively used in the preparation of the crystalline form of the citric acid salt.



21: 2023/10878. 22: 2023/11/24. 43: 2026/01/20
51: G06F; G09F
71: SAMSUNG ELECTRONICS CO., LTD.
72: PARK, SINYOUNG
33: KR 31: 10-2021-0067057 32: 2021-05-25
54: FOLDABLE ELECTRONIC DEVICE
00: -
An electronic device is disclosed. The electronic device comprises a hinge structure and a housing connected to the hinge structure. The hinge structure comprises a shaft member and an arm structure connected to the shaft member and the housing such that the housing is rotatable. A guide hole, which extends in a direction substantially perpendicular to the rotation axis of the housing, is formed in the housing. The arm structure comprises a protruding portion accommodated in the guide hole. The protruding portion may slidably move inside the guide hole in accordance with the rotation of the housing. Another embodiment identified through the specification is possible.

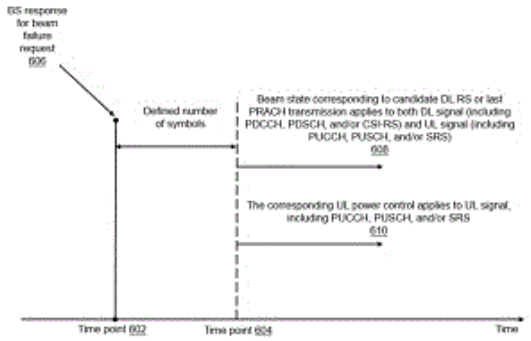


21: 2023/10935. 22: 2023/11/27. 43: 2026/01/20
51: H04W
71: ZTE CORPORATION
72: GAO, BO, LU, ZHAOHUA, YAO, KE, ZHANG, SHUJUAN, SHAO, SHIJIA

54: SYSTEM AND METHOD FOR DETERMINING A BEAM STATE OF A DOWNLINK SIGNAL IN A LINK RECOVERY PROCEDURE

00: -

A system and method for simultaneously updating beam information and power controls for channels and reference signals in downlink and uplink signaling after receiving a base station response in a link recovery procedure, is disclosed. In one embodiment, an example wireless communication method comprises: receiving, by a wireless communication device, a response for link recovery, from a wireless communication node; and determining, by the wireless communication device according to a downlink reference signal, a beam state of a downlink signal, a defined number of time units after receiving the response for link recovery.

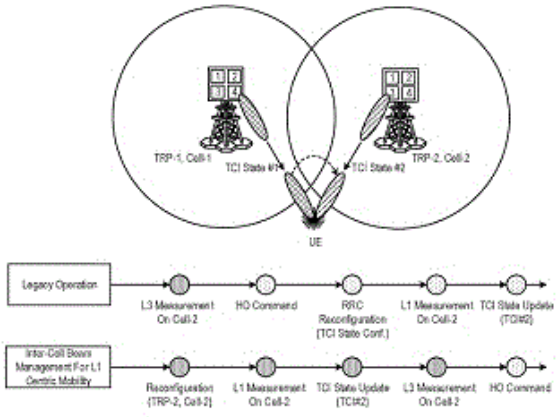


21: 2023/10943. 22: 2023/11/27. 43: 2026/01/20
51: H04B
71: ZTE CORPORATION
72: GAO, BO, LU, ZHAOHUA, JIANG, CHUANGXIN, SHAO, SHIJIA, ZHANG, SHUJUAN

54: MANAGEMENT OF INTER-CELL BEAM COMMUNICATIONS

00: -

Presented are systems, methods, apparatuses, or computer-readable media for inter-cell beam management. A wireless communication device may determine a first beam state associated with a first type of signal, and a second beam state associated with a second type of signal. The wireless communication device may communicate the first type of signal according to the first beam state. The wireless communication device may communicate the second type of signal according to the second beam state.

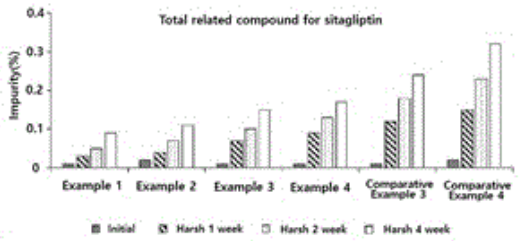


21: 2023/11022. 22: 2023/11/29. 43: 2026/01/07
51: C07D
71: BASF SE
72: GROESSL, Sylvester, LINKE, Stephanie, Sybille, BAIER, Grit, TAVARES ANDRE, Rute da Conceicao

33: EP 31: 21172097.4 32: 2021-05-04
54: METHOD FOR PREPARING LACTONES HAVING AT LEAST ONE GROUP SELECTED FROM CARBOXYL, CARBOALKOXY, HYDROXY AND CARBOXYLATE
00: -
Described are a method of preparing a product comprising one or more product compounds selected from the group consisting of lactones having at least one group selected from carboxyl, carboalkoxy, hydroxy and carboxylate, the use of compounds selected from the group consisting of aliphatic tricarboxylic acids, esters thereof, anhydrides thereof, and salts thereof as starting compounds for making said product compounds, and the use of a heterogeneous hydrogenation catalyst in a method of preparing a product comprising one or more of said product compounds.

21: 2023/11038. 22: 2023/11/29. 43: 2026/01/21
51: C12Q
71: SCELLEX OY
72: SAAVALAINEN, PÄIVI
33: EP 31: 21175329.8 32: 2021-05-21
54: METHODS AND CONSTRUCTS FOR LOCATING AND PROFILING SINGLE CELLS IN A BIOLOGICAL SAMPLE
00: -
The present invention generally relates to preparation of biological samples for next generation sequencing. Particularly, the invention utilizes a combination of sequence barcodes and visible bead features such as fluorescent label combinations for identification of mRNA products originating from a single cell and for locating said single cell in the sample. To achieve this effect, the present invention provides a novel construct comprising a bead coupled to such visible feature, wherein said bead is further coupled to a first oligonucleotide by a cleavable, preferably photocleavable, linker, said first oligonucleotide comprising a) an amplification handle sequence, b) a barcode sequence specific to said bead feature and c) an anchor or capture sequence, preferably a poly-A sequence, for hybridizing to a complementary sequence.

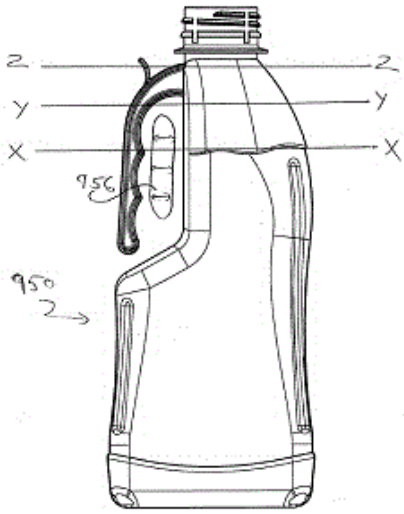
21: 2023/11086. 22: 2023/11/30. 43: 2026/01/27
51: A61K; A61P
71: HANMI PHARM. CO., LTD.
72: TAK, JIN WOOK, BAEK, JI WON, KWON, TAEK KWAN, IM, HO TAEK, KIM, YONG IL
33: KR 31: 10-2021-0089566 32: 2021-07-08
54: ORAL COMPLEX TABLET COMPRISING SITAGLIPTIN, DAPAGLIFLOZIN, AND METFORMIN
00: -
The present invention relates to an oral complex tablet in the form of a bilayer tablet and a preparation method therefor, wherein the oral complex tablet contains colloidal silicon dioxide in an amount of 0.5 to 2 weight% on the basis of the total weight of the first layer.



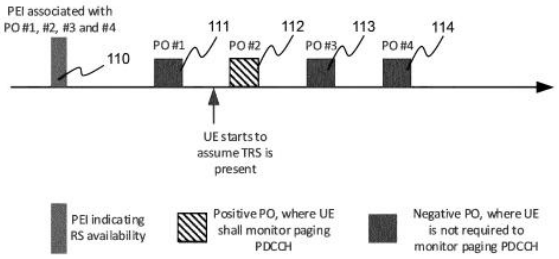
21: 2023/11170. 22: 2023/12/04. 43: 2026/01/28
51: C07D; A61K; A61P
71: REVOLUTION MEDICINES, INC.
72: BUCKL, ANDREAS, BURNETT, G. LESLIE, CREGG, JAMES, EDWARDS, ANNE V, GILL, ADRIAN L, KNOX, JOHN E, KOLTUN, ELENA S, PITZEN, JENNIFER, SEMKO, CHRISTOPHER
33: US 31: 63/184,618 32: 2021-05-05
54: RAS INHIBITORS FOR THE TREATMENT OF CANCER
00: -
The invention features macrocyclic compounds, and pharmaceutical compositions and protein complexes thereof, capable of inhibiting Ras proteins, and their uses in the treatment of cancers.

21: 2023/11209. 22: 2023/12/05. 43: 2026/01/28
51: B29B; B29C; B29K; B29L
71: INTEGRATED PLASTICS PTY LIMITED
72: MELLEN, NICK
33: AU 31: 2021903599 32: 2021-11-10
33: AU 31: PCT/AU2022/050280 32: 2022-03-28
33: AU 31: 2021901405 32: 2021-05-12
33: AU 31: 2021901404 32: 2021-05-12
33: AU 31: 2021901414 32: 2021-05-12
54: CONTINUOUS STRETCH BLOW MOULDING SYSTEM APPLIED TO SPECIFIED INTEGRAL HANDLE PET PREFORM AND CONTAINER STRUCTURES

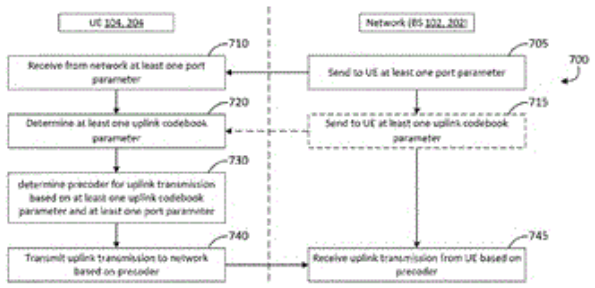
00: -
A stretch blow moulding system for PET containers with PET integral handles; the containers blown from injection moulded preforms; each preform having the integral handle projecting from a junction point on a body portion of the preform; containers blown in a continuously rotating stretch blow moulding machine of the system. In a preferred form the preforms are progressed continuously at a substantially constant speed; the containers blown therefrom progress at the same substantially constant speed through to the filling and capping machine; and wherein the containers progress continuously through the filling and capping machine at the same substantially constant speed. Also described is a continuous stretch blow moulding system applied to specified integral handle PET preform and PET blown container structures stretch blown from the preforms thereby to obtain variable wall thickness of the preforms and/or variable wall thickness of the containers.



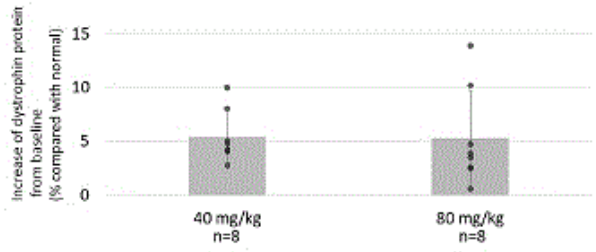
21: 2023/11240. 22: 2023/12/06. 43: 2026/01/21
51: H04W
71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA
72: LI, Hongchao, SUZUKI, Hidetoshi
33: EP 31: 21173426.4 32: 2021-05-11
54: USER EQUIPMENT, SCHEDULING NODE, METHOD FOR USER EQUIPMENT, AND METHOD FOR SCHEDULING NODE
00: -
The disclosure relates to a communication device, a base station and respective methods for a communication device and a base station. The base station transmits and the communication device receives an on-off indication, when the communication device is in an inactive state or in an idle state. The on-off indication indicates an availability state of a synchronization signal block (SSB) beam. The communication device then determines the availability state of the SSB beam and a starting time as of which the communication device is expected to use the SSB beam if the (indicated) availability state corresponds to an on-state of the SSB beam, and not use the SSB beam if the (indicated) availability state corresponds to an off-state of the SSB beam.



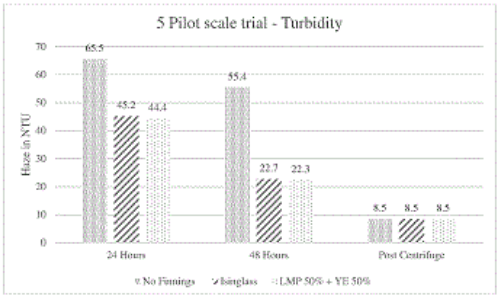
21: 2023/11298. 22: 2023/12/07. 43: 2026/01/28
51: H04B
71: ZTE CORPORATION
72: YAO, KE, GAO, BO, JIANG, CHUANGXIN, LU, ZHAOHUA, MEI, MENG, ZOU, MINQIANG
54: SYSTEMS, METHODS, AND NON-TRANSITORY PROCESSOR-READABLE MEDIA FOR DETERMINING PRECODING INFORMATION FOR UPLINK TRANSMISSIONS
00: -
A wireless communication method includes receiving, by a wireless communication device from a network, at least one port parameter, determining, by the wireless communication device, at least one uplink codebook parameter, and determining, by the wireless communication device, a precoder for an uplink transmission based on the at least one uplink codebook parameter and the at least one port parameter.



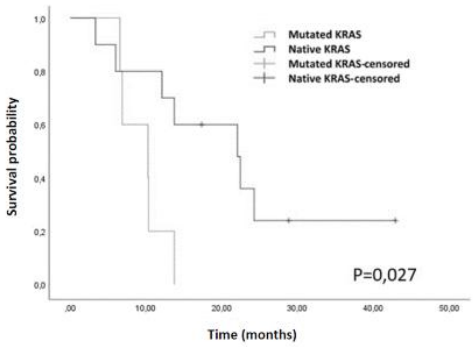
21: 2023/11312. 22: 2023/12/08. 43: 2026/01/28
51: A61K; A61P; C12N
71: NIPPON SHINYAKU CO., LTD.
72: UNO, TOMONORI, NATSUKAWA, TAKASHI, EGAWA, YOUICHI, SATOU, YOUHEI
33: US 31: 62/690,270 32: 2018-06-26
33: US 31: 62/739,386 32: 2018-10-01
54: COMPOSITION COMPRISING ANTISENSE OLIGONUCLEOTIDE AND USE THEREOF FOR TREATMENT OF DUCHENNE MUSCULAR DYSTROPHY
00: -
The present invention relates to a composition containing an antisense oligonucleotide and a use thereof for the treatment of Duchenne muscular dystrophy. The present invention, specifically, relates to the composition effective for the treatment of Duchenne muscular dystrophy when administered at a treatment dose, and a use thereof.



21: 2023/11327. 22: 2023/12/08. 43: 2026/01/21
51: C12H
71: KERRY GROUP SERVICES INTERNATIONAL LIMITED
72: KADAM, Shekhar, Umakantrao, GEORIS, Jacques, LALOR, Eoin (Deceased), DOYLE, Jonathan, CUSKELLY, Daragh
33: US 31: 63/186,417 32: 2021-05-10
33: US 31: 17/707,143 32: 2022-03-29
54: NATURAL FINING AGENT FOR BEVERAGES
00: -
A fining formulation/agent contains pectin, particularly, low-methoxy pectin, and yeast extract. A method of fining beverages, particularly beers and wines, including adding the fining formulation/agent to a beverage, particularly during a fermented beverage manufacturing process.



21: 2023/11460. 22: 2023/12/13. 43: 2026/01/21
51: C07K; A61K; A61P
71: CENTRO DE INMUNOLOGÍA MOLECULAR, INNOVATIVE IMMUNOTHERAPY ALLIANCE S.A.
72: CROMBET RAMOS, Tania, MESA PARDILLO, Circe, LEÓN MONZÓN, Kalet, MAZORRA HERRERA, Zaima, SAAVEDRA HERNÁNDEZ, Danay, LORENZO-LUACES ÁLVAREZ, Patricia, DY, Grace, REID, Mary, EVANS, Rachel, MUHITCH, Jason, LEE, Kelvin, HUTSON, Alan, JOHNSON, Candace
33: CU 31: 2021-0045 32: 2021-05-26
54: USE OF THERAPEUTIC COMPOSITIONS FOR THE TREATMENT OF PATIENTS WITH TUMOURS OF EPITHELIAL ORIGIN
00: -
The present invention relates to the fields of Biotechnology and Medicine. It describes the use of therapeutic compositions comprising a compound that blocks the epidermal growth factor and an antibody that blocks the PD-1/PD-1 ligand signalling pathway in the treatment of tumours of epithelial origin, particularly those expressing the native form of the human KRAS protein. An increase in survival was observed in patients with cancer of epithelial origin expressing native KRAS treated with said therapeutic compositions.



21: 2023/11471. 22: 2023/12/13. 43: 2026/01/22
51: B60M; E04B; F16L
71: Gripple Limited
72: BARNES, Samuel
33: GB 31: 2110316.3 32: 2021-07-19
54: SUSPENSION ASSEMBLY
00: -
The present disclosure relates to a securing arrangement (102), a suspension assembly (100), and a method. The securing arrangement (102) is for suspending an elongate member (10). The securing arrangement (102) comprises a first securing device (1, 34) for securing an elongate support (6). The securing arrangement (102) further includes a second securing device (30, 44, 70) for securing the elongate member (10). Each of the first and second securing devices (1, 34 and 30, 44, 70) comprises a main part (2, 36, 111), a securing member (15, 117A, 117B, 38, 60) movably mounted on the main part (2, 36, 111), and an urging member (21, 42, 64, 122A, 122B) for urging the securing member (15, 117A, 117B, 38, 60) from a release position to a securing position in which the elongate support (6) or the elongate member (10) are secured by the securing member (15, 117A, 117B, 38, 60).

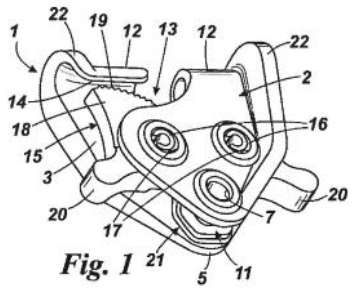
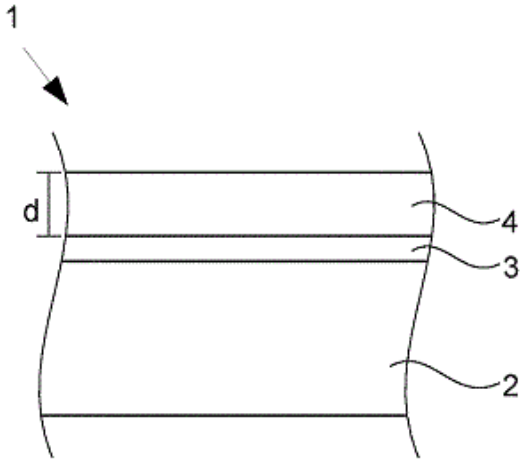


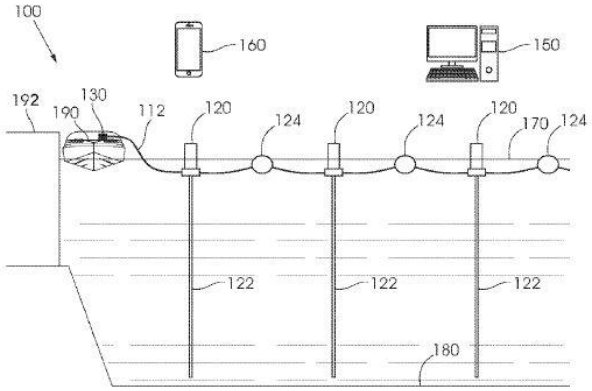
Fig. 1

21: 2023/11689. 22: 2023/12/20. 43: 2026/01/21
51: B32B
71: CONSTANTIA PIRK GMBH & CO. KG
72: EGER, Frank, FISCHER, Andreas, GEITNER, Werner, STEIN, Tobias, GREFENSTEIN, Achim, SCHECK, Matthias
33: AT 31: A50451/2021 32: 2021-06-02
54: RECYCLABLE PAPER PACKAGING LAMINATE HAVING A THIN BARRIER FILM AND GOOD TEAR-OPEN PROPERTIES
00: -
The invention relates to a packaging laminate (1) consisting of a carrier layer (2) and a barrier film (4), wherein the carrier layer (2) consists of paper with a grammage of from 40 to 120 g/m2, wherein a barrier film (4) is connected to the carrier layer (2) via a connecting layer (3), wherein a plastics film stretched in at least one stretching direction is provided as the barrier film (4), wherein the barrier film (4) has a layer thickness of from 1 to 10 µm, preferably less than 5 µm and very preferably less than 3 µm, and wherein the fracture strain of the barrier film (4) in the at least one stretching direction is less than or equal to 180%, preferably less than or equal to 130%.

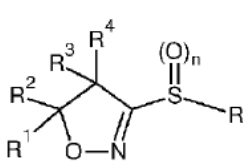


21: 2024/00216. 22: 2024/01/05. 43: 2026/01/05
51: A01K
71: KWAZULU-NATAL SHARKS BOARD
72: VON BLERK, Paul Warren
33: ZA 31: 2021/04436 32: 2021-06-28
54: SHARK REPELLENT SYSTEM
00: -
A shark repellent system includes a barrier, a controller and at least one remote device wirelessly connected to the barrier. The barrier is configured to be positioned in the ocean and includes a plurality of electronic pods configured to be spaced apart along a length of the barrier. Each pod has an electrode

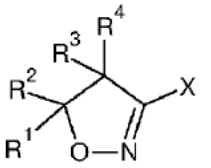
attached thereto and the pods are configured to apply electrical pulses to the electrodes to form an electric field between adjacent electrodes, thereby repelling sharks from the vicinity of the electrode. The system includes a mooring arrangement for securing the barrier to a structure, vessel or coastal feature. The controller is configured to transmit firing instructions to the pods in order to coordinate the electrical pulses generated, and is configured to monitor operation or status of the pods. The remote device permits a user to remotely control and monitor the barrier, individual pods or the controller.



21: 2024/00677. 22: 2024/01/19. 43: 2026/01/22
51: A01N; C07D; A01P
71: UPL LIMITED
72: KINI, Prashant Vasant, GANDHALE, Sopan Nagnath, ANPAT, Shrikant Muqutrao
33: IN 31: 202121043421 32: 2021-09-24
54: A PROCESS FOR PREPARATION OF ISOXAZOLE COMPOUND
00: -
The present invention relates to a novel process for preparation of an isoxazole compound of formula (I) by reacting a compound of formula (II) with a compound of formula (III). wherein, n is 0, 1 or 2; 10 R^1, R^2, R^3 and R^4 are independently hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl or C_{2-6} alkynyl; and R is linear or branched C_{1-6} alkyl group.



Formula (I)



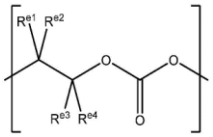
Formula (II)



Formula (III)

21: 2024/00728. 22: 2024/01/22. 43: 2026/02/11
51: C09K; C11D
71: MEXICHEM FLUOR S.A. DE C.V.
72: LOW, Robert
33: GB 31: 1707909.6 32: 2017-05-17
54: COMPOSITIONS
00: -
A composition comprising: (i) 1,1-difluoroethene (vinylidene fluoride, R-1132a); (ii) carbon dioxide (CO_2, R-744); (iii) pentafluoroethane (R-125); and (iv) one or more of trifluoromethane (R-23) and hexafluoroethane (R-116).

21: 2024/01501. 22: 2024/02/20. 43: 2026/01/28
51: C08G; C11D
71: Econic Technologies Ltd
72: KEMBER, Michael, BLACKBURN, Anthea, WILLIAMS, Charlotte
33: GB 31: 2115335.8 32: 2021-10-25
54: SURFACE-ACTIVE AGENT
00: -
The invention concerns a surface-active agent comprising a polycarbonate block polyether of the formula (I): Z^1-$(PC)_P$-$(PE)_Q$-Z^2 (I), wherein PC represents a carbonate block with P repeat units of formula (II), (II), wherein R^{e1}, R^{e2}, R^{e3}, and R^{e4} are independently selected from H, methyl, ethyl, propyl, butyl, or an ether, ester or carbonate group, with the proviso that when one of R^{e1}, R^{e2}, R^{e3}, and R^{e4} is methyl, ethyl, propyl, butyl, or an ether, ester or carbonate group, the remaining R^{e1}, R^{e2}, R^{e3}, and R^{e4} are H.; PE represents a polyether block with Q repeat units of formula (III), (III) wherein $R^{e1'}$, $R^{e2'}$, $R^{e3'}$, and $R^{e4'}$ are independently selected from H, methyl, ethyl, propyl, butyl, or an ether, ester or carbonate groups, with the proviso that when one of R^{e1}, R^{e2}, R^{e3}, and R^{e4} is methyl, ethyl, propyl, butyl, or an ether, ester or carbonate group, the remaining $R^{e1'}$, $R^{e2'}$, $R^{e3'}$, and $R^{e4'}$ are H; Z^1 is R, R-O, R-C(O)-O- or R-O-C(O)-O; R is an optionally substituted straight or branched chain C_1-C_{11} alkyl group; Z^2 is H, R, R-(O)C or R-O-(O)C; and wherein the value of P does not exceed the value of Q.



(II)



(III)

21: 2024/01638. 22: 2024/02/26. 43: 2026/03/12
51: B01D; B32B; D04H
71: BOREALIS AG
72: Jingbo WANG, Markus GAHLEITNER, Klaus BERNREITNER, Henk VAN PARIDON, Gustaf

TOBIESON, Wilhelmus Henricus Adolf SARS, Anita LUYTEN, Pascal WUST, Onur UZUN
33: EP 31: 21189680.8 32: 2021-08-04
54: MULTILAYER NONWOVEN STRUCTURE
00: -
A nonwoven fabric (NF) comprising a multilayer structure that comprises: i) at least one melt blown layer (M) comprising melt blown fibers (MBF) comprising a first propylene polymer (PP1) having: a) an amount of 2,1-regiodefects in the range from 0.0 to 0.1 mol-%; and b) a melting temperature Tm in the range from 155 to 170 °C, ii) at least one spunbonded layer (S) comprising spunbonded fibers (SBF) comprising a second propylene polymer (PP2) having: a) an amount of 2,1-regiodefects in the range from 0.4 to 1.5 mol-%; and b) a melting temperature Tm in the range from 145 to 160 °C. wherein the melting temperature of the first polypropylene polymer Tm (PP1) is at least 5.0 °C higher than that of the second first polypropylene polymer Tm (PP2).

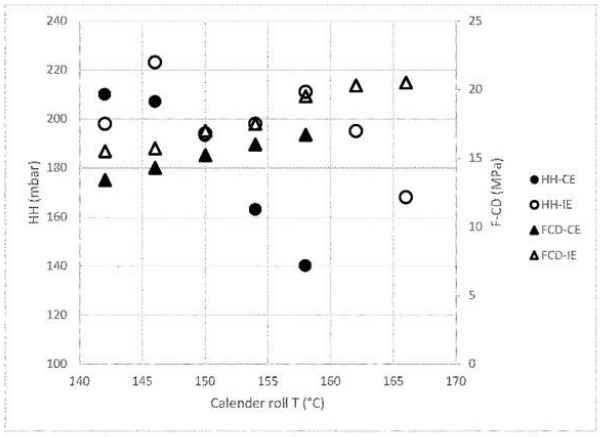
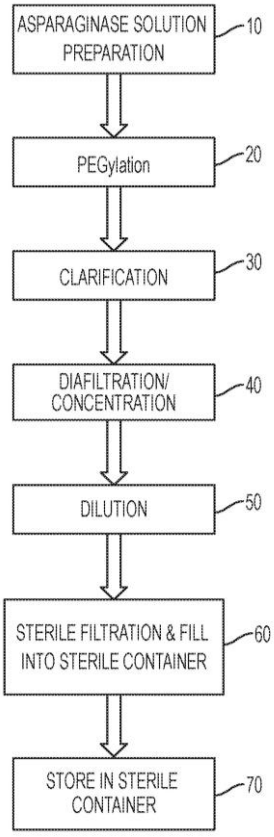


Figure 1: Hydrohead and Tensile strength properties at different calender temperatures for the inventive and comparative nonwoven fabrics

21: 2024/02590. 22: 2024/04/03. 43: 2026/02/13
51: A61K
71: SERVIER IP UK LIMITED
72: FORNASINI, Gianfranco, SOUKHAREVA, Nadejda, PHILLIPS, Christopher
54: FORMULATIONS OF POLYALKYLENE OXIDE-ASPARAGINASE AND METHODS OF MAKING AND USING THE SAME
00: -
Aspects of the invention include polyalkylene oxide-asparaginase compositions. In some instances, the composition is a lyophilized storage stable composition. In some instances, the lyophilized compositions include one or more of a buffer, a salt, and a sugar. Aspects of the invention further include methods of making the compositions. The compositions find use in a variety of applications, e.g., in the treatment of a neoplastic condition in a subject.



21: 2024/03429. 22: 2024/05/03. 43: 2026/02/11
51: C09K; C11D
71: MEXICHEM FLUOR S.A. DE C.V.
72: LOW, Robert E.
33: GB 31: 1712813.3 32: 2017-08-10
54: COMPOSITIONS
00: -
The invention provides a composition comprising 1,1-difluoroethene (R-1132a), difluoromethane (R-32), 2,3,3,3-tetrafluoropropene (R-1234yf), optionally carbon dioxide ($C0_2$, R-744), and, optionally, 1,1,2-trifluoroethene (R-1123).

21: 2024/03475. 22: 2024/05/07. 43: 2026/01/21
51: B60K; H02K
71: TSHWANE UNIVERSITY OF TECHNOLOGY
72: OOSTHUIZEN, CHRISTIAAN COENRAD, NEL, IZAK, BENEKE, LODEWYK
54: A COOLING SYSTEM FOR A MOTOR
00: -

A cooling system for a motor located inside a wheel hub of an electric motor vehicle is provided. The wheel hub has a tyre receiving rim and two circular side walls thereby forming a cavity inside the hub in which the motor is enclosed. The wheel hub is connected to an axle which allows rotation of the wheel hub. The cooling system includes a gas path formed inside the axle so that gas can pass through the gas path and into the cavity to cool the motor. A container holding compressed gas to pump the compressed gas via the gas path into the cavity to cool the motor, after which the gas will pass out of the cavity via hub gas outlets.

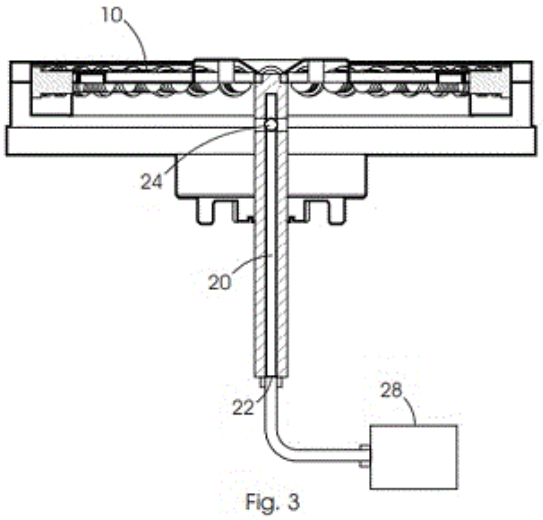
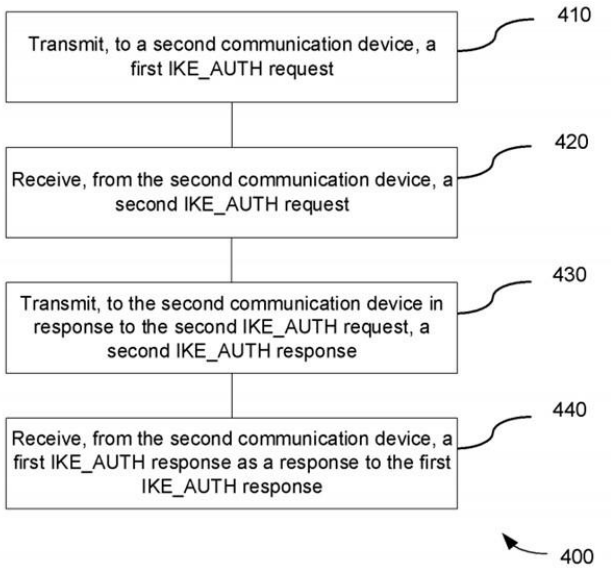


Fig. 3

21: 2024/03818. 22: 2024/05/16. 43: 2026/02/13
51: H04L
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: LIU, Daiying, MIGAULT, Daniel
54: COMMUNICATION DEVICE AND METHOD THEREIN FOR FACILITATING IKE COMMUNICATIONS
00: -
The present disclosure provides a method (400) performed by a first communication device. The method (400) includes: transmitting (410), to a second communication device, a first Internet Key Exchange, IKE, Authentication, IKE_AUTH, request; receiving (420), from the second communication device, a second IKE_AUTH request; transmitting (430), to the second communication device in response to the second IKE_AUTH request, a second IKE_AUTH response; and receiving (440), from the second communication device, a first IKE_AUTH response as a response to the first IKE_AUTH response. The first IKE_AUTH request and/or the second IKE_AUTH response contains a notification indicating a first policy supported by the first communication device for identifying duplicated IKE Security Associations, SAs, and the second IKE_AUTH request and/or the first IKE_AUTH response contains a notification indicating a second policy supported by the second communication device for identifying duplicated IKE SAs.



21: 2024/03838. 22: 2024/05/17. 43: 2026/01/21
51: B65G; F16G
71: COMPOSITE CONVEYOR EQUIPMENT COMPANY (PTY) LIMITED
72: EICHHORN, ROBERT GERD
33: ZA 31: 2023/05670 32: 2023-05-26
54: A BELT CLEANER
00: -
A belt cleaner which includes a mounting arrangement, a cleaner member, a measuring arrangement and a controller. The cleaner member is displaceably/movably mounted to the mounting arrangement such that the cleaner member can be displaced/moved relative to the mounting arrangement. The cleaner member is, in use, positioned proximate a conveyor belt in order to clean the belt while the belt is in motion. The measuring arrangement is operatively connected to the cleaner member in order to measure one or more forces which the cleaner member is subjected to during operation. The controller is configured to adjust the position of the cleaner member relative to

the mounting arrangement, if the measured force(s) meets one or more operating conditions.

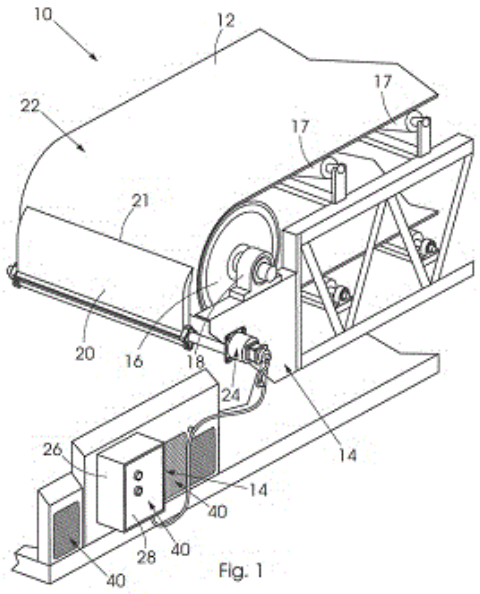
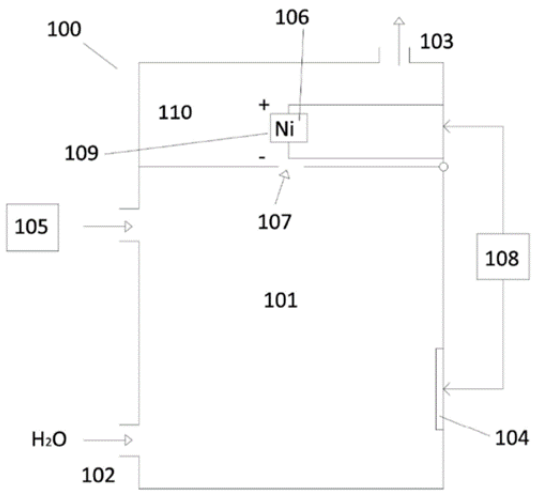


Fig. 1

21: 2024/03981. 22: 2024/05/22. 43: 2026/02/11
51: B01D; B01J; C01B
71: HIDROGMAR ROS ROCA SLU
72: ROCA ENRICH, Salvador
33: ES 31: P202130995 32: 2021-10-22
54: HYDROGEN GENERATION DEVICE
00: -
A device for generating hydrogen (100) from water in a liquid state comprising a hydrolysis chamber (101) which is configured to contain a variable volume of water in a liquid state at ambient temperature and atmospheric pressure, this volume of water being the element processed to obtain hydrogen and other gases by the implosion of a plurality of bubbles generated inside the hydrolysis chamber (101) due to a change in pressure conditions; and a second gas chamber (110) separated from the first hydrolysis chamber (101) by means of gas separation means (106,107); and wherein said second gas chamber (110), in its upper part, comprises a gas outlet (103) configured to facilitate the exit of the gases resulting from the process.



21: 2024/04219. 22: 2024/05/30. 43: 2026/01/07
51: G10L
71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA
72: NAGISETTY, Srikanth, LIM, Chong Soon, EHARA, Hiroyuki, HARADA, Akira
33: JP 31: 2021-195488 32: 2021-12-01
54: ENCODING DEVICE, DECODING DEVICE, ENCODING METHOD, AND DECODING METHOD
00: -
An encoding device comprising: a quantization circuit that generates a quantization parameter that includes information about a vector quantization codebook; and a control circuit that sets the number of available bits according to conditions for encoding based on the difference between the number of bits available for encoding of the target sub-vector and the number of bits for the quantization parameter of the target sub-vector.

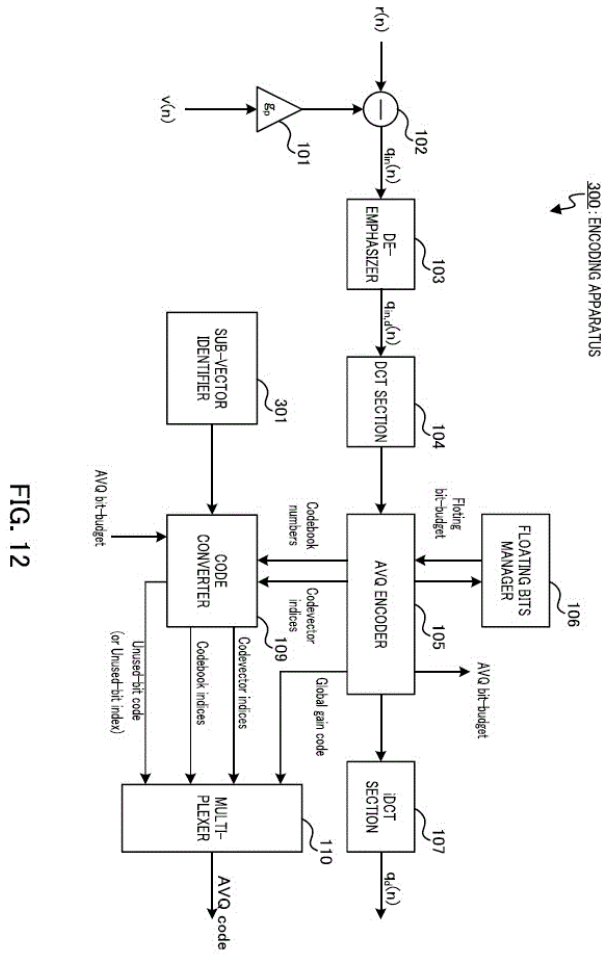
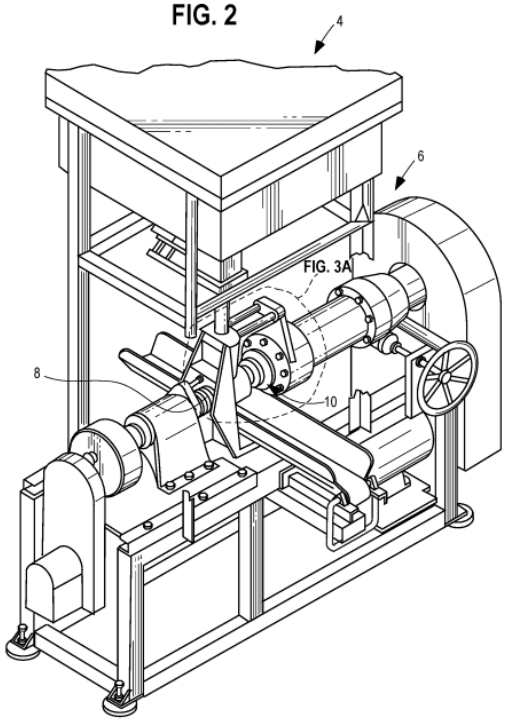


FIG. 12

21: 2024/04556. 22: 2024/06/12. 43: 2026/02/11
51: A23L; A23P; B29B; B29C
71: FRITO-LAY NORTH AMERICA, INC.
72: QUINTERO-FUENTES, Ximena, MANEPALLI, Pavan, EGNATCHIK, Robert
33: US 31: 17/552,928 32: 2021-12-16
54: TEMPERATURE CONTROL FOR A ROTARY HEAD EXTRUDER
00: -
An improved rotary head extruder has at least one rotatable auger disposed within a single barrel and having an upstream end and a downstream end. The extruder has a die assembly that includes (i) a stator having a stator head at the downstream end of the at least one rotatable auger and a stationary plate surrounding an outlet end of the stator downstream from the single barrel and (ii) a rotatable plate downstream and spaced apart from the stationary plate to define a die gap. The apparatus includes a heating mechanism to maintain, within a predefined temperature range, one or more of the temperature of the die assembly or an extrudable composition disposed in the die gap.

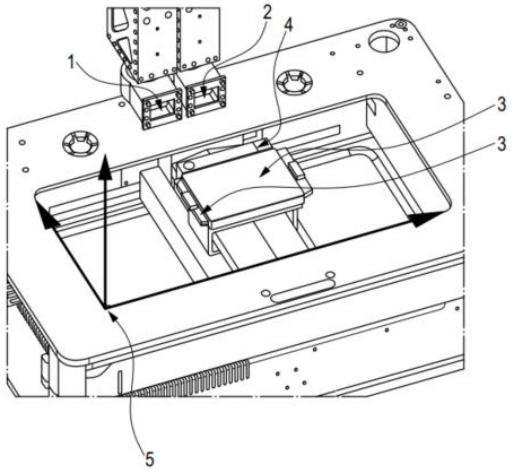
FIG. 2



21: 2024/04765. 22: 2024/06/19. 43: 2026/01/27
51: C07K; A61K
71: HB BIOTECH, INC.
72: SEIFAN, ALON
33: US 31: 63/011,932 32: 2020-04-17
33: US 31: 63/111,156 32: 2020-11-09
54: COMPOSITIONS AND METHODS FOR TREATING NEUROPSYCHIATRIC DISORDERS
00: -
The present invention features compositions and methods for treating brain and/or behavioral health disorders and their associated symptoms.

21: 2024/04929. 22: 2024/06/24. 43: 2026/02/11
51: A61K; B29C; B33Y
71: DIHESYS DIGITAL HEALTH SYSTEMS GMBH
72: DACHTLER, Markus, HUBER, Gerald, RICHTER, Alexander, HUBER, Benjamin
33: DE 31: 20 2021 003 596.6 32: 2021-11-24
54: PRINTING APPARATUS AND ADDITIVE MANUFACTURING METHOD COMPRISING AUTOMATIC POSITION CALIBRATION
00: -
The present invention relates to a printing apparatus for additive manufacturing processes comprising an

optical device for receiving an optical reproduction of the printing nozzle(s) of the printing apparatus to enable automatic position calibration of the printing nozzle(s). A further object of the invention is a method with automatic position calibration of the printing nozzle(s) for additive manufacturing of objects, preferably pharmaceutical dosage forms, using the apparatus according to the invention.



21: 2024/05234. 22: 2024/07/04. 43: 2026/02/11
51: A23K
71: YARA INTERNATIONAL ASA
72: RUIZ, Isabel, MARTINEZ-LUENGAS, Inés, PIRRO, Laura, VAN BELZEN, Ruud, MOHAN, Anand, IPHARRAGUERRE, Ignacio R.
33: EP 31: 22157277.9 32: 2022-02-17
33: EP 31: 22382539.9 32: 2022-06-03
33: EP 31: 22382836.9 32: 2022-09-09

54: A MIXTURE OF UREA, BIURET AND NITRATE AS A DIETARY NON-PROTEIN NITROGEN-SOURCE FOR RUMINANTS AND USES THEREOF

00: -

The present disclosure relates to a ruminant feed supplement composition comprising urea, biuret and one or more nitrate compounds. The present disclosure further relates to the use of such a ruminant feed supplement composition as a NPN-source to improve nitrogen nutrition and to reduce methane emissions and further to improve the efficiency of microbial protein synthesis (EMPS) by rumen microbes in a ruminant animal; and/or to decreasing the acetate to propionate ratio produced by rumen microbes in a ruminant animal; and/or to increasing the (in vitro) dry matter (DM) and organic matter (OM) digestibility; and/or to improve the average daily gain (ADG) of a ruminant animal; and/or to improve the feed efficiency of a ruminant animal.

21: 2024/05657. 22: 2024/07/22. 43: 2026/01/21
51: A24B; A24F; A61M; B05B; B06B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
33: US 31: 17/220,189 32: 2021-04-01
33: US 31: 17/122,025 32: 2020-12-15

54: A NICOTINE DELIVERY DEVICE

00: -

A mist generator device which has a housing with an air inlet port and a mist outlet port; a liquid chamber with a liquid with nicotine; a sonication chamber; a capillary element which extends between the chambers; an ultrasonic transducer with an atomization surface in the sonication chamber, partly superimposed by the capillary element; an airflow arrangement for an air flow path between the ports and the sonication chamber. The transducer vibrates the atomization surface to make a mist from the liquid. The device also has an identification arrangement with a one-time programmable integrated circuit (OTP IC) that stores a unique identifier and a cryptographic authenticator, and an electrical connection which provides an electronic interface for communication with the OTP IC and the driver device.

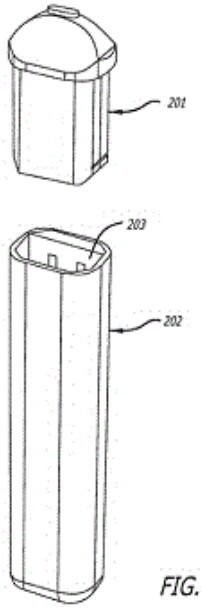
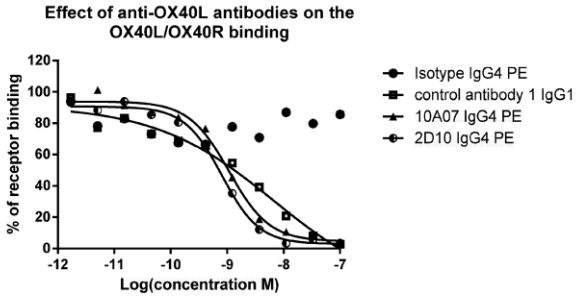


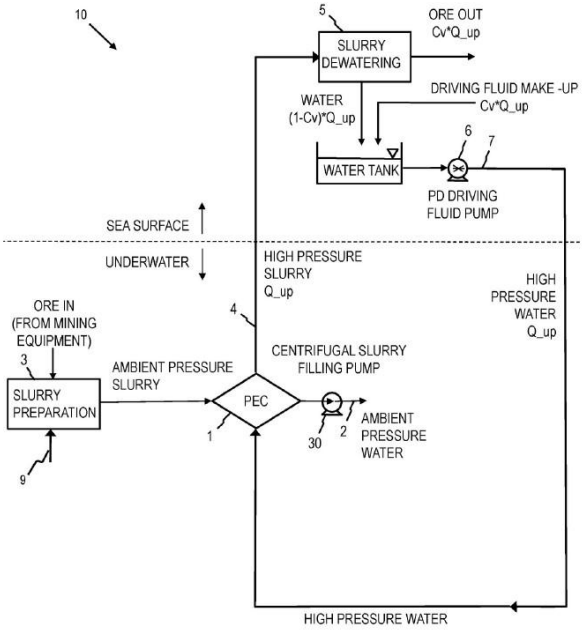
FIG. 10

21: 2024/05782. 22: 2024/07/26. 43: 2026/02/13
51: A61K; C07K
71: KYMAB LIMITED
72: BLAND-WARD, Philip, KOSMAC, Miha, HOLMES, Steve, KIRBY, Ian, CAMPBELL, Jamie, KEEN, Leslie Susan, TKACHEV, Victor
33: US 31: 14/700,896 32: 2015-04-30
33: US 31: 14/811,163 32: 2015-07-28
33: US 31: 14/935,937 32: 2015-11-09
33: US 31: 14/955,843 32: 2015-12-01
33: WO 31: PCT/GB2015/050614 32: 2015-03-03
33: GB 31: 1516008.8 32: 2015-09-09
54: ANTIBODIES, USES & METHODS
00: -
The present invention relates to anti-human OX40L antibodies, new medical uses methods.



21: 2024/06230. 22: 2024/08/14. 43: 2026/01/14
51: A61Q; A61K
71: UNILEVER GLOBAL IP LIMITED
72: BARNE, SAMEER KESHAV, DASGUPTA, ANINDYA, SAJI, MAYA TREESA
33: EP 31: 22162397.8 32: 2022-03-16
54: A SOLID CLEANSING COMPOSITION
00: -
The present invention relates to a solid cleansing composition. Particularly, the present invention relates to a cleansing composition that provides superior antimicrobial e.g. antibacterial, effect in consumer relevant contact time of 10 to 30 sec. The solid composition comprises select ammonium salts and one or more carboxylic acids having pKa in the range from 2.5 to 4.5; and wherein the pH of 5% solution of the composition is in the range 2.5 to 6.5.

21: 2024/06311. 22: 2024/08/16. 43: 2026/02/19
51: F04F
71: WEIR MINERALS NETHERLANDS B.V.
72: STROEKEN, Johannes, VAN RIJSWICK, Rudolfus
33: GB 31: 2203215.5 32: 2022-03-08
54: PUMPING SYSTEM
00: -
A pumping system for pumping a medium, such as polymetallic nodules in sea water, comprises: at least one pressure exchange chamber having a valve arrangement at each end; a medium inlet at one end of the chamber operable to receive a medium; and a filling pump located at an opposite side of the chamber to the medium inlet, and being operable to draw medium from the medium inlet, through the chamber, and towards the filling pump to fill the chamber without the medium in the chamber having come into contact with the filling pump.



21: 2024/06449. 22: 2024/08/22. 43: 2026/02/26
51: A61K; A61P
71: JOINT STOCK COMPANY "BIOCAD"
72: NIDZVEDSKII, Fedor Fandatovich, OVCHARENKO, Ekaterina Vladislavovna, SOZONOVA, Aleksandra Aleksandrovna, KOSTANDIAN, Alina Aleksandrovna, ANDREEVA, Anastasiia Alekseevna, LOMKOVA, Ekaterina Aleksandrovna, IAKOVLEV, Aleksandr Olegovich, MOROZOV, Dmitry Valentinovich
33: RU 31: 2022102193 32: 2022-01-31
54: PHARMACEUTICAL COMPOSITION OF ANTI-TRBV9 ANTIBODY AND USE THEREOF
00: -

The invention relates to the field of pharmacy and medicine, specifically to pharmaceutical compositions of anti-TRBV9 antibody. The invention further relates to the use of said compositions for treating a disease or disorder mediated by T-lymphocytes bearing a TRBV9 segment within the T cell receptor, in a subject in need thereof.

21: 2024/06468. 22: 2024/08/23. 43: 2026/02/19
51: F42D
71: DETNET SOUTH AFRICA (PTY) LTD
72: SMITH, Ruan, OLWAGE, Phillip, BOTHA, Marius
33: ZA 31: 2023/07870 32: 2023-08-14
54: INITIATOR DEVICE
00: -
An initiator device which includes a shell, a printed circuit board (PCB) within the shell, at least one component which is positioned on the PCB, and a component support device according, wherein a frame of the component support device is received within the shell and the at least one component is received within a space formed by the frame thereby to protect the at least one component when the shell is deformed due to forces acting on the shell.

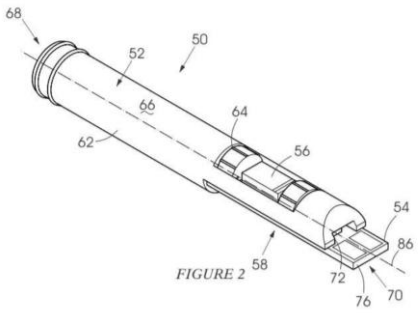
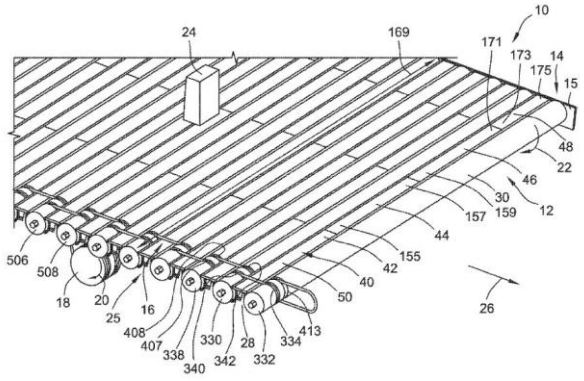


FIGURE 2

21: 2024/06692. 22: 2024/08/29. 43: 2026/02/13
51: B29C; B65G
71: FLEXIBLE STEEL LACING COMPANY
72: PETTINGA, Mark Steven
33: US 31: 63/316,344 32: 2022-03-03
54: CONVEYOR GAP BLOCKER
00: -
In one aspect, a gap blocker having a body configured to be supported in a gap of a roller conveyor by upstream and downstream rollers. The body has an upper blocking portion with upper contact portions for slidingly contacting the upstream and downstream rollers above a narrowest portion of the gap. The body further includes a plurality of laterally spaced upstream leg portions connected to the upper blocking portion and a plurality of laterally spaced downstream leg portions connected to the upper blocking portion longitudinally spaced from the upstream leg portions. The upstream leg portions have upstream distal end portions to be positioned below the narrowest portion of the gap for keeping the body in the gap. The downstream leg portions likewise have downstream end portions to be positioned below the narrowest portion of the gap for keeping the body in the gap.



21: 2024/06736. 22: 2024/08/30. 43: 2026/01/27
51: C12Q; C12N; C12P
71: DUKE UNIVERSITY
72: REIF, JOHN H, SONG, XIN
33: US 31: 18/116,138 32: 2023-03-01
33: US 31: 63/315,635 32: 2022-03-02
54: CASCADED NUCLEIC ACID PROTOCOLS FOR ULTRA-SPECIFIC MOLECULAR DETECTION, TRANSDUCTION, AND AMPLIFICATION
00: -
Disclosed herein are designs and implementations of a suite of novel molecular mechanisms that leverage programmable, competitive hybridization and strand displacement of nucleic acids to effectively suppress the generation of nonspecific reaction products (i.e., false positives) in molecular detection, transduction, and isothermal amplification of DNA or RNA targets. Some of the mechanisms described herein may also be applied to enhance the performance of thermocycling-based amplification methods.

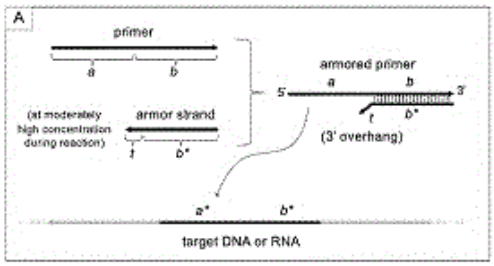
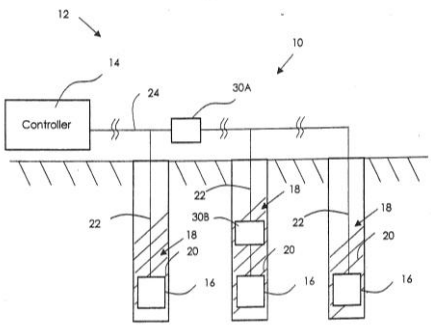


FIG. 1A

21: 2024/07000. 22: 2024/09/11. 43: 2026/01/29
51: C06B; C06C
71: EURENCO FRANCE SAS
72: CUVELIER, SÉBASTIEN, PEROUEL, JULIE, MARONCELLI, NICOLAS
33: FR 31: FR2201299 32: 2022-02-15
54: METHOD FOR OBTAINING FIRING PASTES IN AN ACOUSTIC RESONANCE MIXER
00: -
The present invention relates to a method for obtaining a firing paste which comprises mixing the different ingredients constituting said paste in an acoustic resonance mixer. The invention also relates to a method for obtaining an ignition charge which comprises the deposit of the firing paste obtained according to the above method on a combustible support, and the drying of the combustible support.

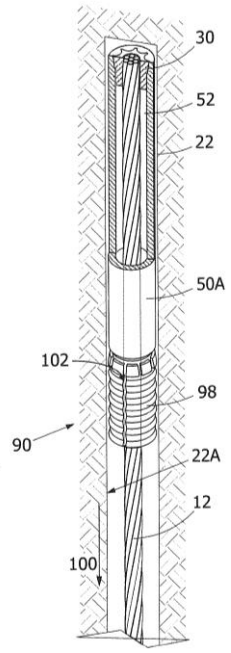
21: 2024/07029. 22: 2024/09/12. 43: 2026/02/18
51: F42D
71: DETNET SOUTH AFRICA (PTY) LTD
72: KRUGER, Michiel Jacobus, YATES, Marinus, LO, Cory
33: ZA 31: 2022/02886 32: 2022-03-10
54: MONITORING DEVICE
00: -
A monitoring arrangement in a detonator system which uses one or more sensors to detect various conditions at a blast site, and transmitters which transmit data on the detected conditions to a control center.



21: 2024/07058. 22: 2024/09/13. 43: 2026/02/11
51: A01N; C01B; C02F
71: BUCKMAN LABORATORIES INTERNATIONAL, INC.
72: LAUNAY, Bruno, KUZNETSOV, Dimitri, MCNEEL, Thomas
33: US 31: 62/773,819 32: 2018-11-30
54: METHOD FOR PRODUCING HALOAMINES AND HALOAMINE SOLUTIONS
00: -
A method for producing a haloamine solution with reduced amounts of halogen oxyanions including (a) the on-site generation of a halogen-containing oxidant, such as a solution and (b) reacting on-site the halogen-containing oxidant with a nitrogen source, to thereby produce the haloamine solution.

[NO PUBLICATION FIGURE]

21: 2024/07115. 22: 2024/09/17. 43: 2026/02/18
51: E21D
71: MSP MINE SUPPORT PRODUCTS (PTY) LTD
72: NISSEN, Christian Engelstoft
33: ZA 31: 2023/08806 32: 2023-09-18
54: ROCK BOLT
00: -
A rock bolt which includes a tubular member made from aluminium which is at a fixed position inside or outside a borehole, a cable which goes through the tubular member, and a steel barrel, secured to the cable which deforms the tubular member to give a yielding action with rock movement.



21: 2024/07168. 22: 2024/09/19. 43: 2026/02/20
51: A01B; A01C
71: PRECISION PLANTING LLC
72: DILLE, Mitchell, R., STRANG, Keith, T.
33: US 31: 62/845,093 32: 2019-05-08
33: US 31: 62/885,965 32: 2019-08-13
54: SEED ORIENTATION SYSTEM FOR AGRICULTURAL PLANTERS
00: -
The present invention comprises of a seed orientation system generally consisting of a seed transfer tube that moves seeds from a seed collector to a helical pathway in a seed orientation coil assembly. The seed orientation coil assembly can receive randomly orientated seeds from the planter seed meter, orientating the seed tip-down, germ facing adjacent row, then planting the seed into the soil with said orientation. The device may be retrofitted onto existing planter row units replacing the existing seed tube. A method of planting orientated seeds is also included

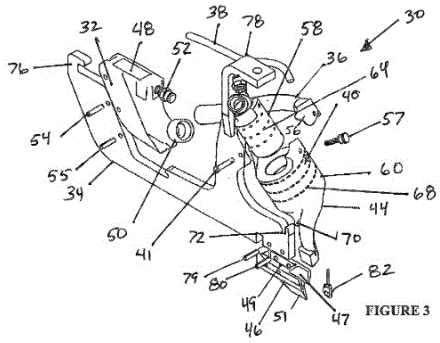


FIGURE 3

21: 2024/07394. 22: 2024/09/27. 43: 2026/02/13
51: B65G
71: FLEXIBLE STEEL LACING COMPANY
72: DRUMMOND, Andrew
33: US 31: 63/323,960 32: 2022-03-25
54: CONVEYOR TRANSFER GUARDS
00: -
In one aspect of the present disclosure, a transfer guard member is provided for a transfer guard system. The transfer guard member has a unitary, one-piece body configured to connect to an elongate mounting member, an upper surface of the body, and an array of protrusions to support an object. The array of protrusions includes columns of protrusions each comprising a plurality of the protrusions aligned in a first direction. The array of protrusions includes first spacings extending in the first direction between the protrusions of each of the columns. The array of protrusions also includes second spacings extending in a second direction transverse to the first direction between the adjacent columns. The first spacings and the second spacings are each less than twice a height of the protrusions.

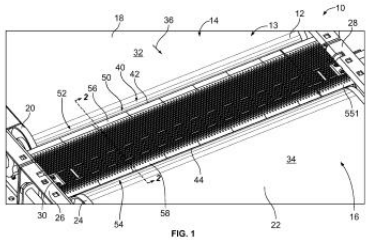


FIG. 1

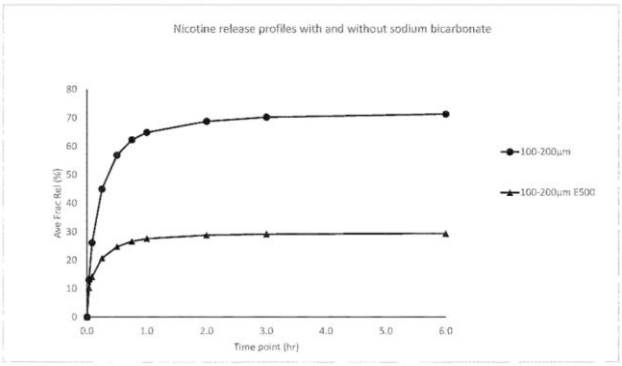
21: 2024/07399. 22: 2024/09/27. 43: 2026/02/11
51: A24B; A24F; A61K; A61P
71: EMPLICURE AB (publ)
72: ENGQVIST, Håkan, LÖÖF, Jesper

33: GB 31: 2204804.5 32: 2022-04-01
33: GB 31: 2208807.4 32: 2022-06-15

54: ALKALINE INTRAORAL FORMULATIONS

00: -

There is provided an intraoral formulation comprising a solid, porous chemically bonded ceramic system, nicotine or a salt thereof, and a pH regulating agent, wherein the chemically bonded ceramic system is formed in the absence of said pH regulating agent. The formulations comprise nicotine and have particular utility in aiding smoking cessation, treating nicotine dependence, alleviating the symptoms of nicotine dependence and other medical uses for which nicotine is known.

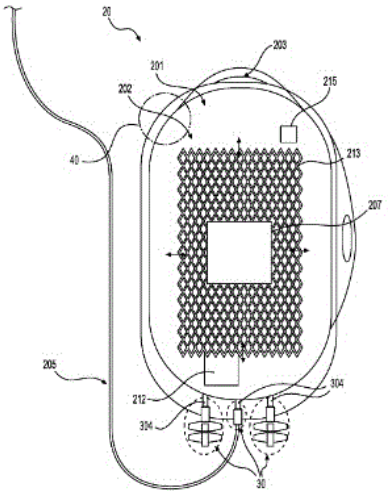


21: 2024/07677. 22: 2024/10/10. 43: 2026/02/10
51: A61J
71: HEMANEXT INC.
72: YOSHIDA, Tatsuro, CORDERO, Rafael, SARITA, Jancarlo, ZOCCHI, Michael, WOLF, Michael, KEEGAN, Philip, Michael, RENGANATHAN, Narendran, SUTTON, Jeffrey, Karl
33: US 31: 62/151,839 32: 2015-04-23
33: US 31: 62/151,957 32: 2015-04-23

54: ANAEROBIC BLOOD STORAGE CONTAINERS

00: -

A blood storage container for the anaerobic storage of blood, having enhanced sealing methods and materials for the preservation of stored blood is provided.



21: 2024/07922. 22: 2024/10/18. 43: 2026/01/21
51: B60K
71: CUMMINS INC.
72: SWEERE, JOSHUA M, ANUNSEN, SPENCER M, KUNZ, LARISSA V, KUO, HARLAN THOMAS, HUMANN, ALEXIS R, GERHARDT, DAVID T
33: US 31: 63/334,297 32: 2022-04-25
33: US 31: 18/180,042 32: 2023-03-07

54: RECONFIGURATION OF DIESEL-POWERED HAUL TRUCK WITH HYBRID HYDROGEN FUEL CELL AND BATTERY POWER SUPPLY

00: -

The present disclosure provides a mining haul truck with the diesel-powered components removed, the resulting available volumes retrofitted with components of a hybrid hydrogen fuel cell / battery-based powerplant. In some embodiments, the tray and/or the canopy of the haul truck can be replaced or reconfigured to create an additional volume for receiving components of the hybrid hydrogen fuel cell / battery-based powerplant.

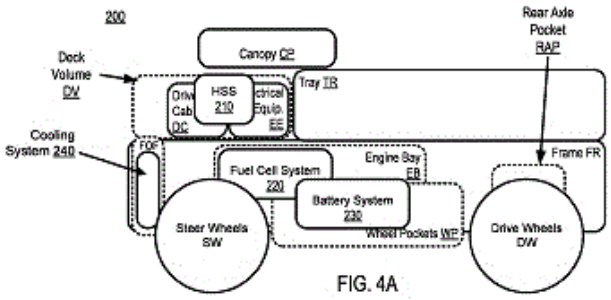
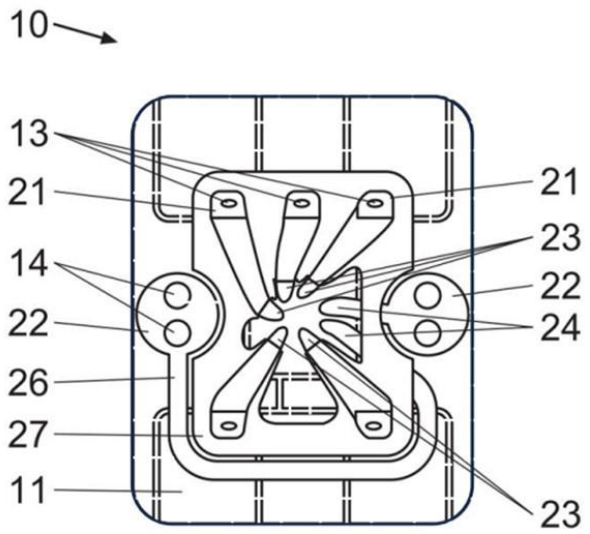


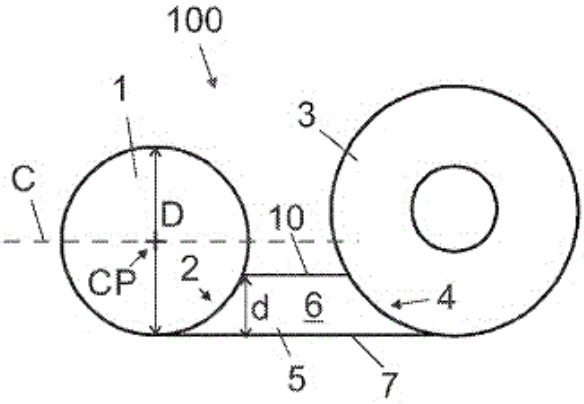
FIG. 4A

21: 2024/08071. 22: 2024/10/25. 43: 2026/02/11
51: G06K; H01L
71: SMARTFLEX TECHNOLOGY PTE LTD

72: NG, Eng Seng, PANG, Sze Yong
33: US 31: 63/491,732 32: 2023-03-22
54: ARTICLES OF MANUFACTURE RELATING TO IC MODULES AND SMART CARDS
00: -
The present disclosure relates to carrier tapes, IC modules, and smart card devices. According to one embodiment, an article of manufacture comprises: a non-conductive substrate having a front side and a rear side, and a plurality of through holes extending from the front side to the rear side; a smart card contact area arranged on the front side of the substrate and having a plurality of conductive pads which are mutually insulated and close front-side ends of the through holes; a plurality of through-hole solder pads and a plurality of conductive traces arranged on the rear side of the substrate, wherein the through-hole solder pads are arranged at rear-side ends of the through holes, wherein the conductive traces are conductively coupled to the through-hole solder pads respectively; and a solder mask at least partially overlaying the conductive traces.

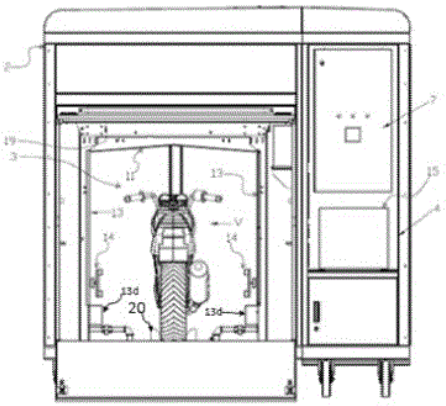


21: 2024/08100. 22: 2024/10/28. 43: 2026/01/21
51: B04C; B01D; B01J; F23J
71: METSO METALS OY
72: MADUTA, ROBERT, STURM, PETER, PERANDER, LINUS, BEISHEIM, THEODOR
54: CYCLONE SEPARATOR ARRANGEMENT
00: -
A cyclone separator arrangement (100), comprising a preceding apparatus (1) having an outlet (2), and a cyclone separator (3) having an inlet (4). The arrangement (100) further comprises a crossover duct (5) connected to the outlet (2) and the inlet (4) for supplying gas flow comprising particles from the preceding apparatus (1) to the cyclone separator (3). The preceding apparatus (1) has a horizontal inner diameter (D), and a flow channel (6) having a cross-section having a height (H) and a width (d), said width (d) relating to the inner diameter (D) such that $0.15 \times D < d < 0.6 \times D$. The width (d) is a dimension of the flow channel (6) in a horizontal plane crossing the centre of gravity (CF) of a flow-through area of the flow channel (6) at the outlet (2) of the preceding apparatus. The inner diameter (D) is a width of the preceding apparatus (1) in a horizontal plane crossing the centre of gravity (CP) of a flow-through area of the preceding apparatus (1) and being parallel to the width (d) of the flow channel (6). The flow channel (6) is arranged asymmetrically in a horizontal cross-section of the preceding apparatus (1).

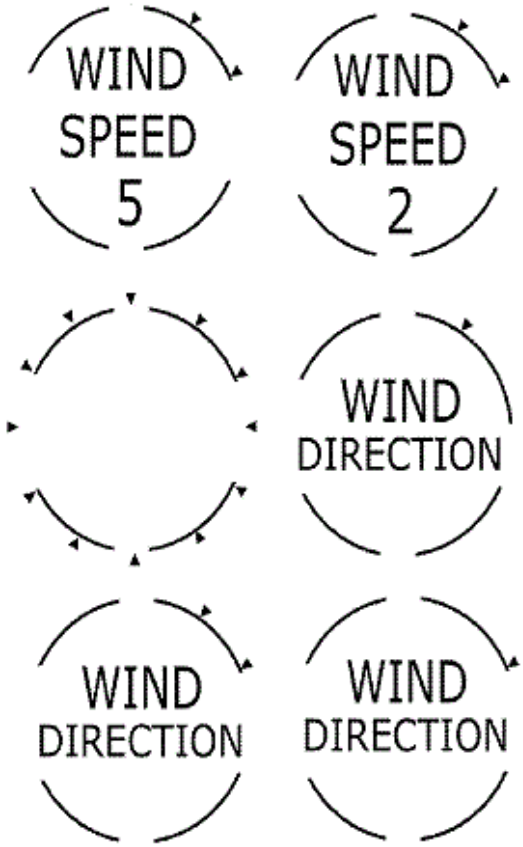


21: 2024/08151. 22: 2024/10/29. 43: 2026/02/27
51: B60S
71: BLUEVERSE HOLDINGS PRIVATE LIMITED
72: SHAH, Rushang
33: IN 31: 202221023511 32: 2022-04-21
54: AN AUTOMATED VEHICLE WASHING SYSTEM AND METHOD THEREOF
00: -
Disclosed herein a mobile automated vehicle washing system, wherein, said system comprising a leakage proof enclosure (2), wherein the enclosure (2) comprising first compartment (3) comprising a gantry assembly slidably mounted on a rail guided

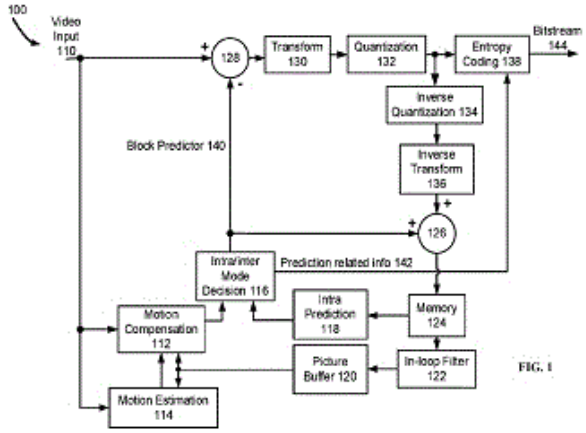
ceiling (10) of the first compartment (3) for washing, cleansing and drying of the vehicle (V), and second compartment (4) housed with a chemical mixing system (21) and a controller (7) functionally configured to control the gantry assembly (11), chemical mixing system and a water recycling and treatment system (6) connected operably with the enclosure (2) on its exterior surface, wherein the gantry assembly (11) comprises of a plurality of boom sprayers (13) and a coaxial self-rotatable washing mechanism (14) for efficient washing of the vehicle (V). A time efficient method for high quality vehicle washing is also disclosed in this invention.



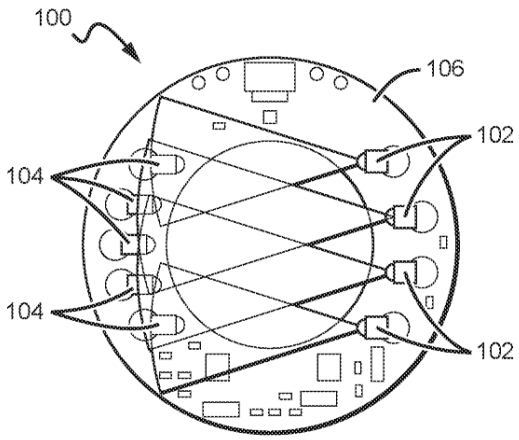
21: 2024/08157. 22: 2024/10/29. 43: 2026/01/08
51: F41G; G02B
71: SHELTERED WINGS, INC. d/b/a VORTEX OPTICS
72: CLERMONT, Todd, FARRELL, Ben
33: US 31: 63/362,177 32: 2022-03-30
54: USER INTERFACE FOR VIEWING OPTIC WITH WIND DIRECTION CAPTURE
00: -
A user interface for displaying and entering a wind bearing comprises a circle or broken circle with one or more markings about its perimeter. The displayed marking or markings correspond to a relative wind direction input by a user. The displayed markings are able to update automatically as the user faces a new direction.



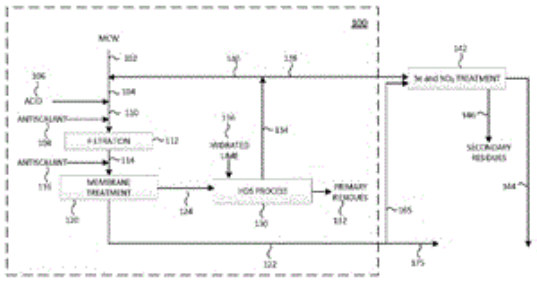
21: 2024/08782. 22: 2024/11/19. 43: 2026/01/21
51: H04N
71: BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD.
72: JHU, HONG-JHENG, XIU, XIAOYU, CHEN, YI-WEN, CHEN, WEI, KUO, CHE-WEI, WANG, XIANGLIN, YU, BING
33: US 31: 63/181,110 32: 2021-04-28
54: RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING
00: -
Methods, apparatuses, and non-transitory computer-readable storage mediums are provided for video coding. The method includes: in response to determining that transform skip is disabled, disabling, by a decoder, a presence of a rice parameter for transform skip residual coding. The method may further include adopting a flag of transform skip, sps_transform_skip_enabled_flag, to condition a presence of sps_ts_residual_coding_rice_present_in_sh_flag.



21: 2024/08823. 22: 2024/11/20. 43: 2026/02/16
51: A01G; G01N
71: FARMSENSE, INC.
72: SINGH, Shailendra, VERDEGAN, Christopher
33: US 31: 17/728,753 32: 2022-04-25
54: PEST DETECTION SYSTEMS AND METHODS
00: -
The inventive subject matter is directed to pest detection systems that implement infrared emitters with detectors that look for variations in incident light indicative of wingbeats from various pests. Emitters and detectors are placed on one or more printed circuit boards such that infrared light projected from an emitter can be received by one or more detectors. Based on signal generated by a detector, systems of the inventive subject matter can determine whether a pest has flown between an emitter and detector. To save on power, emitter, detectors, or both can be driven by pulse width modulation. Methods of the inventive subject matter are directed to determining pest presence via signal filtering and interpretation.

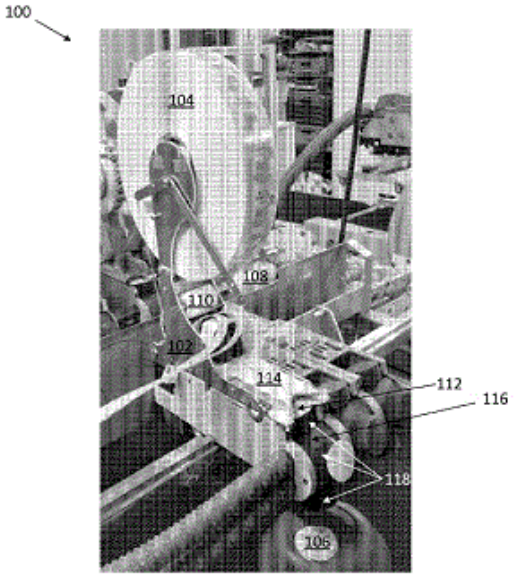


21: 2024/08864. 22: 2024/11/21. 43: 2026/01/21
51: C02F
71: TECK RESOURCES LIMITED
72: GONZALEZ, JOSE ALBERTO
33: US 31: 63/345,881 32: 2022-05-25
54: PROCESS FOR TREATMENT OF MINE CONTACT WATER
00: -
A process for treating high alkalinity Mine Contact Water (MCW) includes providing the MCW to a feed stream, adding acid to the feed stream to provide a reduced pH and alkalinity feed stream, subjecting the reduced pH and alkalinity feed stream to filtration and a membrane treatment to separate the reduced pH and alkalinity feed stream into permeate and brine, subjecting the brine to a high density sludge (HDS) process to produce a processed brine and residues; recycling a majority of the processed brine to the feed stream, separating a minor fraction of the processed brine to provide a bleed off of the processed brine prior to the recycling, and subjecting the bleed off of the processed brine to a subsequent treatment to remove at least some contaminants.



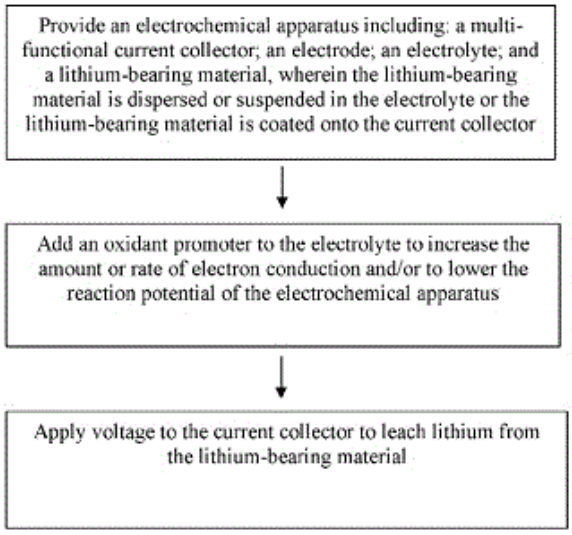
21: 2024/08867. 22: 2024/11/21. 43: 2026/01/21
51: B65C; G09F

71: SINCLAIR SYSTEMS INTERNATIONAL, LLC.
72: MOORE, TIM, SOUTHWOOD, DAVID
33: US 31: 63/351,873 32: 2022-06-14
54: SYSTEMS AND METHODS FOR APPLYING LABELS TO FOOD PRODUCTS
00: -
Systems and methods for applying labels to food products include pulling a label on two part backing along a pathway comprising one or more rollers to a stripping point in a first direction, the two part backing comprising a first strip and a second strip. The two part backing is removed from the label by pulling the label from the first strip and the second strip at the stripping point using suction by either a pair of stacked v-shaped first and second plates or by angled nose rollers.



21: 2024/08868. 22: 2024/11/21. 43: 2026/01/21
51: A61Q; A61K
71: UNILEVER GLOBAL IP LIMITED
72: YUAN, MINGJUN, VASUDEVAN, TIRUCHERAI VARAHAN
33: EP 31: 22194211.3 32: 2022-09-06
33: US 31: 63/357,362 32: 2022-06-30
54: REDUCED PALM KERNEL RELIANT WASH COMPOSITION
00: -
The present invention is directed to a wash composition substantially free of sulfates and that comprises glutamate, aspartate or both, and optionally additional anionic surfactant selected from isethionates, taurates and/or glycinates. Total surfactant used in the wash composition is 9% and the by weight the wash composition is mild but surprisingly with displays good lather characteristics while being formulated with reduced palm kernel oil derived surfactants.

21: 2024/08869. 22: 2024/11/21. 43: 2026/01/21
51: C22B
71: THE PENN STATE RESEARCH FOUNDATION
72: SHI, FEIFEI, ZHANG, HANRUI
33: US 31: 63/364,850 32: 2022-05-17
54: DIRECT ELECTROCHEMICAL EXTRACTION OF LITHIUM FROM ORES
00: -
Disclosed is a method for leaching lithium via an electrochemical apparatus including a multi-functional current collector, an electrode, an electrolyte, and a lithium-bearing material, wherein the lithium-bearing material is dispersed or suspended in the electrolyte or the lithium-bearing material is coated onto the current collector. The method involves applying voltage to the current collector to leach lithium from the lithium-bearing material. The method can involve adding promoter additive into the electrolyte to boost lithium extraction within the electrochemical apparatus.

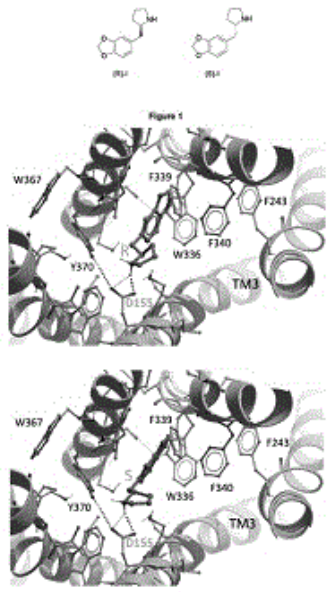


21: 2024/08870. 22: 2024/11/21. 43: 2026/01/21
51: C07D; A61K; A61P
71: PHARMALA BIOTECH INC.
72: KAUR, HARPREET, XIN, TAO
33: US 31: 63/392,948 32: 2022-07-28
54: (R)-2-[(2H-1,3-BENZODIOXOL-5-YL)METHYL]PYRROLIDINE AND PROCESSES

FOR PREPARATION, COMPOSITIONS AND USES THEREOF

00: -

The present application includes an enantiomerically pure compound of Formula (R)-I or a salt and/or solvate thereof (R)-I. Also included are compositions of the enantiomerically pure compound of Formula (R)-I as well as methods of using the compound of Formula (R)-I or composition thereof for treating, for example, disease, disorder or condition that benefits from psychotherapy. The present application also includes a composition comprising a non-racemic mixture a compound of Formula (R)-I, or a salt and/or solvate thereof, and (S)-I, or a salt and/or solvate thereof: wherein (R)-I, or a salt and/or solvate thereof, is present in the composition in a greater amount by enantiomeric equivalents, relative to (S)-I, or a salt and/or solvate thereof and uses thereof. Further included are process preparing a compound of Formula (R)-I or (S)-I.

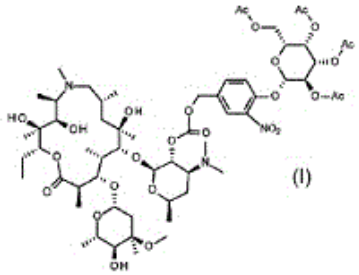


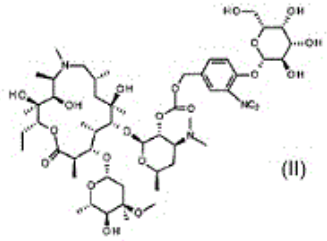
21: 2024/08905. 22: 2024/11/22. 43: 2026/01/21
51: C07H; A61K; A61P
71: LUNELLA BIOTECH, INC.
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA, OZSVARI, BÉLA, KANGASMETSA, JUSSI
33: US 31: 63/347,826 32: 2022-06-01

54: MACROLIDE SENOLYTIC COMPOUNDS

00: -

Disclosed herein are macrolide compounds having senolytic activity. These compounds selectively target senescent cells, and may be used to reduce or eradicate senescent cells in a subject, and/or delay the onset of aging. These compounds also inhibit propagation of cancer stem cells, and may be used to treat cancer, and in particular inhibit the propagation of cancer stem cells responsible for metastasis and tumor recurrence. Formulae (I) & (II).





21: 2024/08906. 22: 2024/11/22. 43: 2026/01/21
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: CHOPRA, ANITA, HADLEY, KATHERINE ELIZABETH, SMEETS, MONIQUE ALDEGONDA MARIA, GRIFFITH, GERALDINE BRIDGET
33: EP 31: 22178400.2 32: 2022-06-10

54: USES OF DEODORANT COMPOSITIONS FOR REDUCING MALODOUR ON CLOTHING

00: -

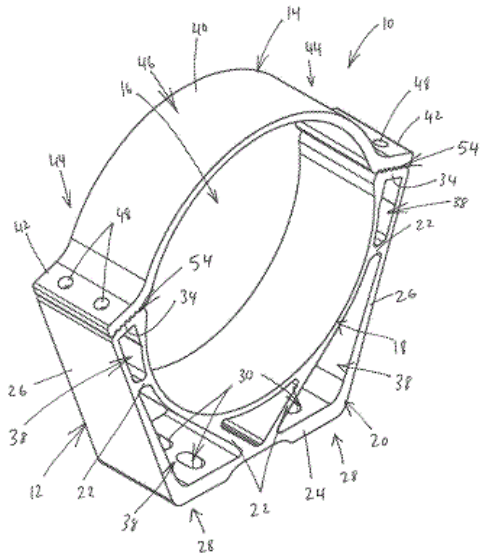
The invention concerns the use of a topically-applied cosmetic composition comprising a zinc organometallic salt or complex for reducing malodour on clothing worn in proximity to the site of topical application of said cosmetic composition.

21: 2024/08947. 22: 2024/11/25. 43: 2026/01/15
51: F16C; H02S; F24S
71: ROON, Selvin, Jakobus, Emiel, VERMAAK, Frans Willem
72: ROON, Selwin, Jakobus, Emiel, VERMAAK, Frans, Willem, VAN WYK, Jan, Carl
33: ZA 31: 2022/09360 32: 2022-08-22

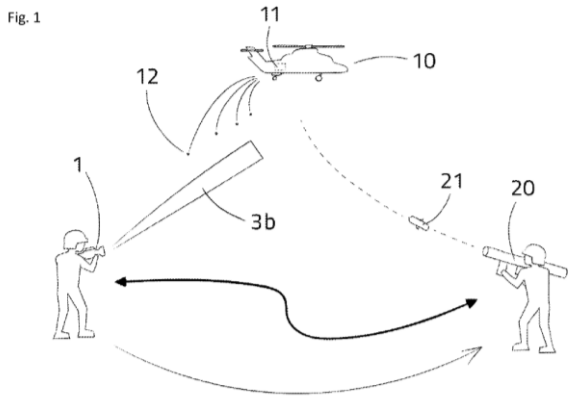
54: A BEARING HOUSING

00: -

A bearing housing (10) which includes a base portion (12), and a retaining portion (14) mountable on the base portion (12) and which, together with the base portion (12), defines a receiving zone (16) for receiving a bearing member (not shown) displaceably and complementally therein, wherein the base portion (12) and retaining portion (14) are manufactured from a metallic material with an extrusion process.

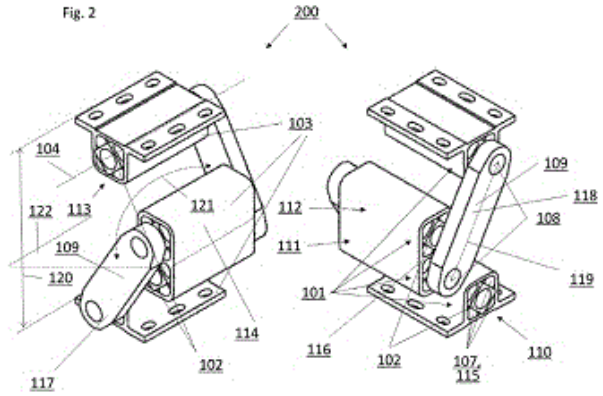


21: 2024/08992. 22: 2024/11/26. 43: 2026/03/10
51: F41G; F41H; G01S
71: CARBOTEH TECHNOLOGIES D.O.O.
72: KNEŽEVIĆ, Srečko, PETERCA, Primož, SERNEC, Radovan, ZUPANČIČ, Luka
54: AIR DEFENSE SYSTEM FOR ANTI-AIRCRAFT COMBAT COMPRIZING COUNTER COUNTER MEASURES DEVICE TO TRIGGER THE COUNTER MEASURE OF THE AIRCRAFT PRIOR LAUNCHING ANTI-AIRCRAFT MISSILE AT THE AIRCRAFT
00: -
The invention refers to an air defense system comprising at least one counter countermeasures device, and at least one anti-aircraft weapon system and to an anti - aircraft combat method comprising said air defense system. The counter countermeasures device is configured for generating and emitting electromagnetic radiation of appropriate wavelengths, i.e. simulated missiles, that mimic real anti-aircraft missiles, and, in this way, the anti-aircraft missile launch warning and detection system (MLWDS) installed on aircrafts are deceived and the countermeasures are released. The operation of the counter countermeasures device and of the anti-aircraft weapon system, i.e. emitting of simulated missiles and launching of anti-aircraft missiles, is coordinated. The counter countermeasures device is implemented as a standalone device or is attached to or is integrated into the anti-aircraft weapon system. With the proposed air defense system and method, the efficiency of the anti-aircraft combat is highly improved, i.e. the probability of the target hit is highly improved.

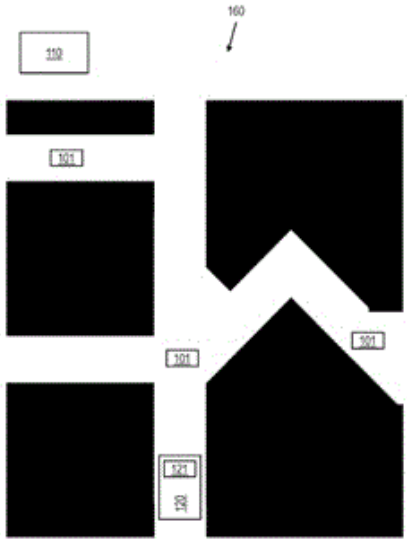


21: 2024/08995. 22: 2024/11/26. 43: 2026/01/21
51: F16F
71: ROSTA AG
72: PELAGATTI, MARCO, BOLLIGER, IRIS, VOVCHOK, IVAN, BAUMANN, PATRICK
33: EP 31: 22176071.3 32: 2022-05-30
54: VIBRATION DAMPER AND VIBRATING CONVEYOR SYSTEM
00: -
The invention relates to a vibration damper (200, 300, 400), comprising four torsion spring elements (101) and two lever elements (109). Each torsion spring element (101) has an inner part (102), an outer part (103) and at least one resilient element (107). The inner part (102) is located in the outer part (103). The resilient element (107) is located between the inner part (102) and the outer part (103) and supports the inner part (102) relative to the outer part (103) such that a restoring force is created between the inner part (102) and the outer part (103) in the event of a deflection caused by rotation of the inner part (102) and the outer part (103) relative to one another. The torsion spring elements (101) are located one above the other with respect to a first

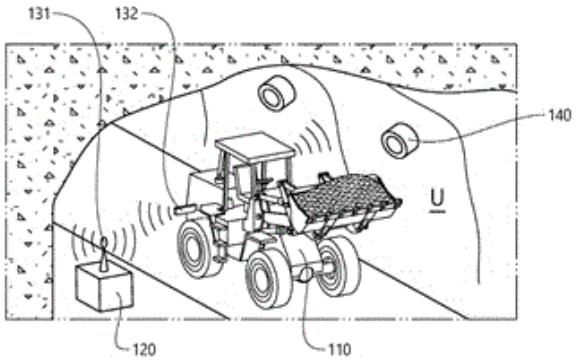
direction. The lever elements (109) interconnect the torsion spring elements (101) in a crosswise manner.



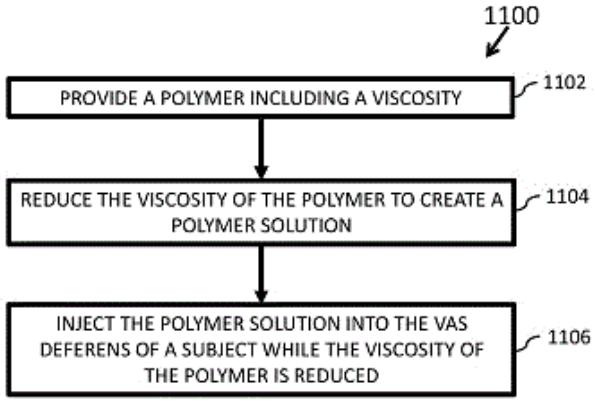
21: 2024/08996. 22: 2024/11/26. 43: 2026/01/21
51: H04W; H04L
71: EPIROC ROCK DRILLS AKTIEBOLAG
72: WAHLQUIST, HANS, KARVONEN, ANDREAS
54: METHODS, MOBILE UNIT, CENTRAL UNIT AND SYSTEM IN AN UNDERGROUND ENVIRONMENT
00: -
A method performed by a system for monitoring the performance of a wireless communications network in an underground environment is provided. The system comprises a mobile unit and a central unit. The mobile unit is comprised in a vehicle operating in the underground environment. A location of the vehicle is determined (301). The location is determined based on comparing a movement performed by the vehicle and possible movements in the underground environment. The mobile unit performs (302) one or more measurements of the wireless communications network. The mobile unit transmits (303) network data from the one or more measurements of the wireless communications network and the determined location of the vehicle to the central unit. The network data is associated with a respective location. The central unit receives (304) measured network data associated with a respective determined location. The central unit determines (305) network performance data at a position based on the measured network data and the determined location. The central unit provides (306) network performance data at a position for monitoring the network performance of the wireless communications network in the underground environment.



21: 2024/09000. 22: 2024/11/26. 43: 2026/01/21
51: H04W; G01S
71: EPIROC ROCK DRILLS AKTIEBOLAG
72: WAHLQUIST, HANS
54: METHOD AND SYSTEM FOR LOCATING STATIONARY OBJECTS IN AN UNDERGROUND ENVIRONMENT
00: -
A method for determining a position of a stationary object in an underground environment, wherein the underground environment comprises infrastructure for positioning of moving objects, the method comprising: broadcasting, by a transmitter arranged on the stationary object, a signal; detecting, by a receiver provided in a first moving object, the presence of the stationary object by receiving the signal; determining a position of the first moving object at a time at which the stationary object was detected; recording a position of the stationary object based on the determined position of the first moving object together with a time stamp indicating the time at which the stationary object was detected; and assigning a position to the stationary object based on the recorded position. A corresponding system is also disclosed.



21: 2024/09001. 22: 2024/11/26. 43: 2026/01/21
51: A61K; A61P
71: MTOLOGY INNOVATIONS LLC
72: PLESS, CANDACE, ESTRADA, GABRIELLA
33: US 31: 63/336,219 32: 2022-04-28
54: METHODS FOR REVERSIBLE MALE BIRTH CONTROL
00: -
Contraceptives and methods for reversible male birth control are disclosed herein. One method (1100) includes providing (1102) a polymer (202) including a viscosity and reducing (1104) the viscosity of the polymer (202) to create a polymer solution (200). The method (1100) further includes injecting (1106) the polymer solution (200) into the vas deferens (30) of a male subject while the viscosity of the polymer (202) is reduced. The polymer solution (200) forms a polymer barrier (10) in the vas deferens (30) to physically block the outflow of sperm in the vas deferens subsequent to injection.



21: 2024/09032. 22: 2024/11/27. 43: 2026/01/21
51: H02J; F03G
71: ENERGY VAULT, INC.
72: PEDRETTI, ANDREA, HÄNNI, ROLAND MARKUS
33: US 31: 63/130,573 32: 2020-12-24
54: ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM
00: -
An energy storage and delivery system is disclosed, comprising an upper deck, a lower deck positioned below the upper deck, and a pair of vertically extending elevator shafts. Blocks are stacked on both the left and right sides of each elevator shaft. The system includes a pair of elevators, each movable within its corresponding shaft and capable of supporting one or more blocks. A jack facilitates the transfer of blocks into and out of the elevators, which are electrically coupled to a motor-generator. The system operates by vertically moving blocks between the decks: lifting blocks from the lower deck to the upper deck to store electricity and lowering blocks from the upper deck to the lower deck to generate electricity. This design enables efficient energy storage and delivery through potential energy conversion.

21: 2024/09035. 22: 2024/11/27. 43: 2026/01/21
51: G01S; G06K; G05D
71: RAVEN INDUSTRIES, INC
72: RAMAKRISHNAN, RAHUL, ALIBASIC, AZIZ, ANTONY, THOMAS, PAGA, VENKATA RAMA KARTHIK
33: US 31: 63/016,738 32: 2020-04-28
54: OBJECT DETECTION AND TRACKING FOR AUTOMATED OPERATION OF VEHICLES AND MACHINERY
00: -
The invention relates to a method and system for tracking objects for an autonomously-operated vehicle. The method involves receiving sensor data from multiple sensors, detecting and identifying objects, and fusing the sensor data to generate tracks for each object. A predictive model is used to forecast the movement of these objects. The system includes processors and memory to execute these operations, ensuring accurate tracking and navigation control for the vehicle. The method also includes handling unmatched tracks by initiating a decaying period and updating or removing tracks based on new sensor data. The system supports various sensor types, including cameras, radar, and

Lidar, and performs confidence assessments using probabilistic models to ensure reliability.

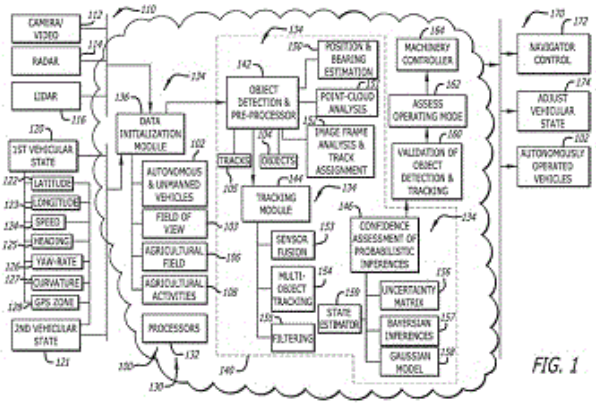


FIG. 1

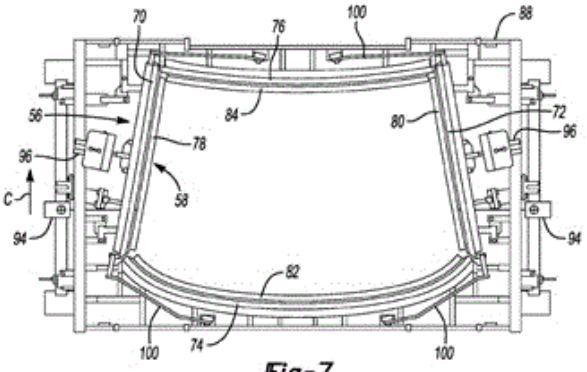


Fig-7

21: 2024/09064. 22: 2024/11/27. 43: 2026/01/21
51: C03B
71: GLASSTECH, INC.
72: JINKA, ASHOKA G
33: US 31: 17/732,785 32: 2022-04-29

54: STATION AND METHOD FOR FORMING GLASS SHEETS

00: -

A glass sheet forming station for forming a glass sheet may include an upper mold, a lower outer mold arrangement and a lower inner mold arrangement disposed inwardly of the lower outer mold arrangement and movable relative to the lower outer mold arrangement. The lower outer mold arrangement may include first and second outer longitudinal support portions and first and second outer lateral support portions that are each configured to contact the glass sheet. The lower inner mold arrangement may include first and second inner longitudinal support portions and first and second inner lateral support portions that are each configured to contact the glass sheet. Furthermore, the lower outer mold arrangement and the lower inner mold arrangement may each be operable to press the glass sheet against the upper mold.

21: 2024/09065. 22: 2024/11/27. 43: 2026/01/21
51: C11D; A61K
71: UNILEVER GLOBAL IP LIMITED
72: YUAN, MINGJUN, VASUDEVAN, TIRUCHERAI VARAHAN
33: US 31: 63/357,321 32: 2022-06-30
33: EP 31: 22194216.2 32: 2022-09-06

54: STABLE WASH COMPOSITION WITH BIODEGRADABLE THICKENER

00: -

A wash composition comprising: a) anionic surfactant; b) amphoteric surfactant, zwitterionic surfactant or both; c) 0 to 4% by weight nonionic surfactant; and 1.7 to 8.5% by weight thickener, the thickener having starch and cellulose, the starch being a hydroxypropyl starch, distarch phosphate or mixture thereof and the cellulose being a microcrystalline cellulose selected from the group consisting of carboxymethylcellulose, hydroxymethylcellulose, hydroxypropylcellulose, hydroxypropylmethylcellulose, hydroxyethylcellulose or a mixture thereof, wherein when the thickener is present at 1.7 to less than or equal to 4.5% by weight of the composition, the weight ratio of starch:cellulose is greater than 0 and less than 4.5, and further wherein when the thickener is present at greater than 4.5% to 8.5% by weight, the weight ratio of starch:cellulose is > 0 and less than 15, and: i) the composition has from 3.0 to 15% by weight total surfactant; ii) the total surfactant comprises

from 8 to 70% by weight amphoteric surfactant, zwitterionic surfactant or both based on total weight of anionic, and zwitterionic and/or amphoteric surfactant in the composition; and iii) the composition has a pH from greater than 4.25 to 8. The composition is substantially free of sulfate and isethionate, wherein substantially free means each individual component making up less than 0.2% by weight of the total composition.

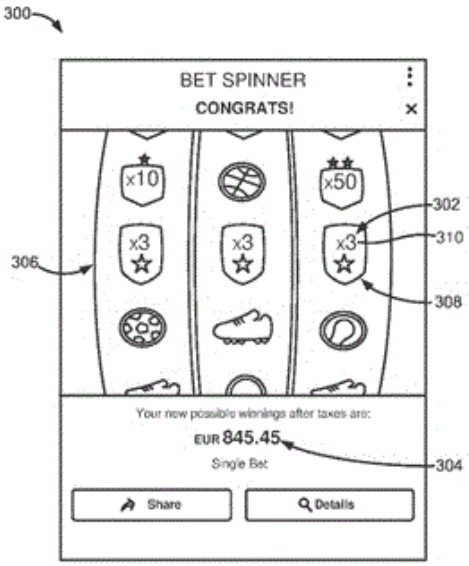
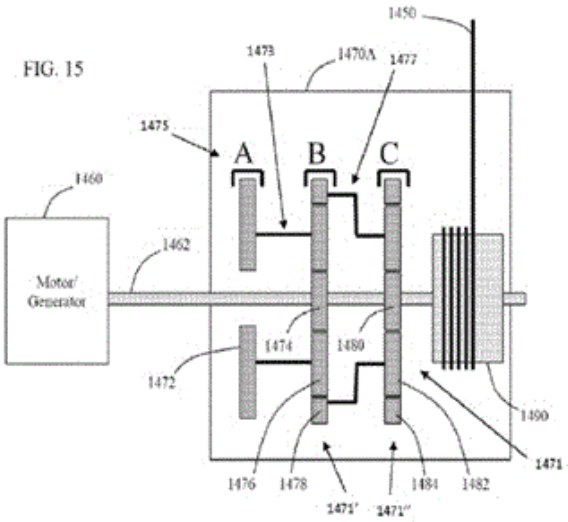


FIG. 3

21: 2024/09066. 22: 2024/11/27. 43: 2026/01/21
51: G06Q; G07F
71: KENTECH S.L.U.
72: GONZÁLEZ, DAVID GONZÁLEZ, BOZOUKOV, IVAYLO, ILIEV, PETKO
33: US 31: 63/268,988 32: 2022-03-08
54: SYSTEM AND METHOD FOR INCREASING USER ENGAGEMENT WITH ONLINE SPORTS BETTING
00: -
Disclosed are systems and methods for increasing user engagement with online sports betting. In one embodiment, a method comprises receiving, at a server, a request from a client device to place a bet of a certain bet amount on a sporting event having odds associated with the sporting event. The method can also comprise calculating a plurality of probability ranges, wherein each of the plurality of probability ranges is associated with a multiplier or a non-multiplier, and generating a random number using a pseudo random number generator. The method can also comprise selecting the multiplier associated with a particular probability range when the random number generated falls within the particular probability range. The method can further comprise calculating a boosted possible payout amount using the bet amount, the odds, and the multiplier and revealing the boosted possible payout amount and the multiplier via a slot machine graphic.

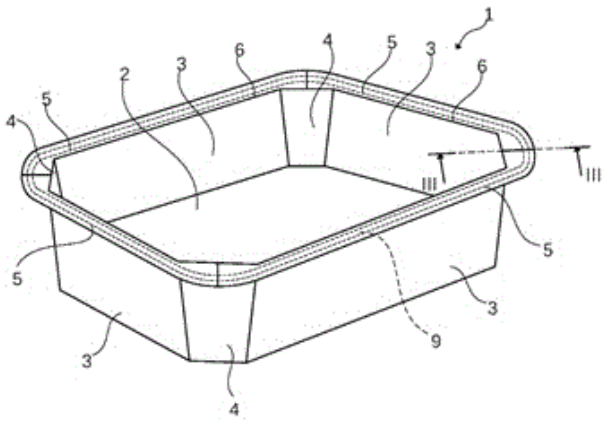
21: 2024/09119. 22: 2024/11/28. 43: 2026/01/21
51: B66C; F03G
71: ENERGY VAULT, INC.
72: PEDRETTI, ANDREA, HÄNNI, ROLAND MARKUS
33: US 31: 63/144,740 32: 2021-02-02
54: ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM
00: -
A winch assembly for use in an energy storage and delivery system is disclosed, comprising a planetary gear assembly with a first and second set of planetary gears arranged axially, and a spool for reeling a cable. The first planetary gear set includes a first sun gear, a pair of planet gears, and a ring gear, while the second planetary gear set includes a second sun gear, a pair of planet gears, and a ring gear. A brake disc is coupled to the first planetary gear set, and the assembly incorporates a plurality of brakes: a first brake operable to engage the brake disc, a second brake operable to engage the first planetary gear set, and a third brake operable to engage the second planetary gear set. The spool, coupled to the cable, rotates in a first direction to reel in the cable and in a second direction to reel it out. Specific combinations of brake engagements and disengagements control these spool rotations, ensuring precise control for cable reeling and

unreeling operations, thereby optimizing the energy storage and delivery process.



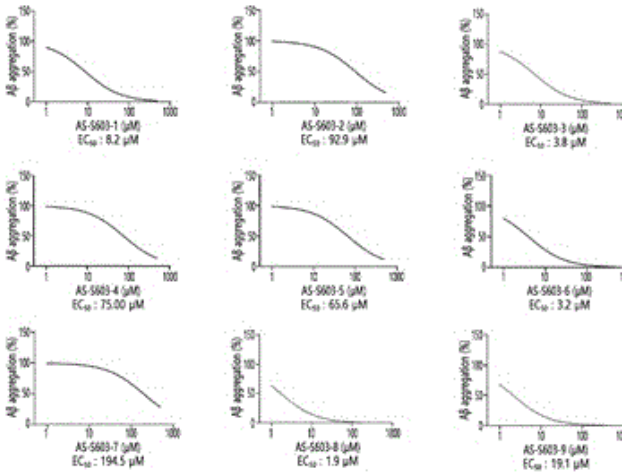
21: 2024/09130. 22: 2024/11/28. 43: 2026/01/21
51: B65D
71: STACKPACK B.V.
72: ZWAGA, RONALD
33: EP 31: 22176509.2 32: 2022-05-31
54: CARDBOARD TRAY
00: -

The invention relates to a cardboard tray comprising: - a bottom wall part; - arranged along the circumference of the bottom wall part, a number of upstanding side wall parts alternated with the same number of upstanding corner wall parts; - a circumferential flange composed out of abutting circumferential flange parts, each circumferential flange part being arranged, along a fold line, to the upper edge of one of the upstanding side wall parts; - strengthening flange parts arranged, along a fold line, to the upper edge of each upstanding corner wall part, wherein a strengthening flange part is adhered to both circumferential flange parts of the adjacent side wall parts; wherein the circumferential flange has a sealing zone, which extends along the circumferential flange and which spans at least part of the width of said circumferential flange, and wherein the strengthening flange parts at least partially overlap with the sealing zone, when viewed in a direction perpendicular to the sealing zone.

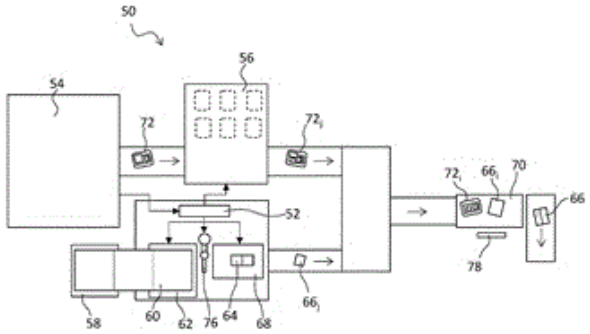


21: 2024/09187. 22: 2024/11/29. 43: 2026/01/21
51: C07D; A61K; A61P; A23L
71: AMYLOID SOLUTION INC.
72: KIM, SEONG MUK, KIM, HYE JU
33: KR 31: 10-2022-0079766 32: 2022-06-29
33: KR 31: 10-2023-0084280 32: 2023-06-29
54: NOVEL INDENONE DERIVATIVES AND USES THEREOF
00: -

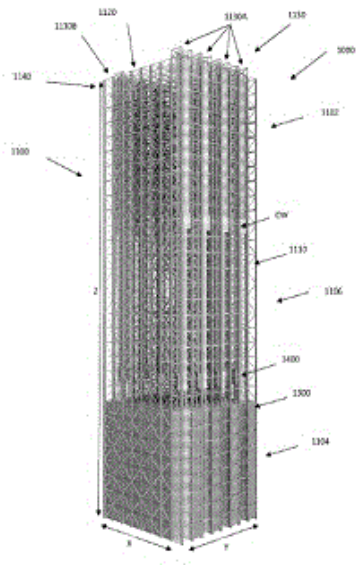
The present invention relates to novel indenone derivatives, isomers thereof or pharmaceutically acceptable salts thereof, and uses thereof. The indenone derivatives according to the present invention may be advantageously used for (i) the suppression of amyloid-beta aggregation and/or the decomposition of the aggregates, (ii) the suppression of tau protein aggregation and/or the decomposition of the aggregates, and/or (iii) the prevention or treatment of neurodegenerative brain disease by inhibiting the hyperphosphorylation of tau protein.



21: 2024/09189. 22: 2024/11/29. 43: 2026/01/21
51: B65B
71: VOIDLESS S.R.L.
72: RIVA, GUGLIELMO FRANCO, BERTOLANI, MATTIA, VILLANI, CARLO, KAIDANOVIC, DANIEL
33: IT 31: 102022000011477 32: 2022-05-31
54: METHOD AND PLANT FOR MANUFACTURING A SECONDARY PACKAGING ACCORDING TO THE BOD LOGIC
00: -
The invention concerns a method for manufacturing a secondary packaging according to the BOD logic. The method in particular envisages managing a plurality of orders, each comprising a plurality of items. For each item, it is defined the primary cuboid circumscribed to it and for each order, it is identified the most compact arrangement of the items and the secondary cuboid circumscribed to it. The blanks representing the plane developments of the boxes that contain the secondary cuboids are then defined. After having optimized the arrangement thereof, the blanks are cut out of a sheet of packaging material. The boxes are thus assembled with the blanks and are each filled with their own order in the most compact arrangement. The invention further concerns a plant applying the method.

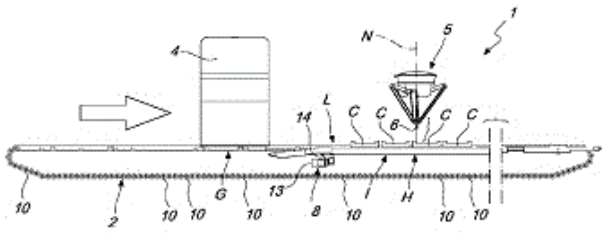


21: 2024/09231. 22: 2024/12/02. 43: 2026/01/29
51: F03G
71: ENERGY VAULT, INC.
72: PEDRETTI, ANDREA
33: US 31: 63/364,864 32: 2022-05-17
54: ENERGY STORAGE AND DELIVERY SYSTEM AND METHOD
00: -
An energy storage and delivery system includes an elevator cage assembly (1400) operable to move blocks (1300) from a lower elevation to a higher elevation of a frame (1100) to store energy and operable to move blocks from the higher elevation to the lower elevation of the frame (e.g., by gravity) to generate electricity. The elevator cage assembly is operable to center the block relative to an elevator cage of the elevator cage assembly. The system includes a trolley (1200) on top of the frame that is operatively coupled to the elevator cage assembly by one or more cables (1520). The trolley is operable to move to an extended position to lift the elevator cage assembly to lift a block off a row and to move to a compact position to lower the elevator cage assembly to lower a block onto a row.



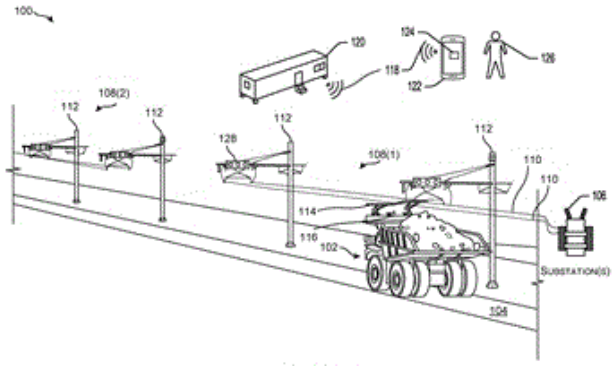
21: 2024/09254. 22: 2024/12/03. 43: 2026/01/29
51: C07C
71: CHEVRON PHILLIPS CHEMICAL COMPANY LP
72: KREISCHER, BRUCE E
33: US 31: 63/224,665 32: 2021-07-22
54: HEAT EXCHANGE CONFIGURATIONS FOR OLIGOMERIZATION OF OLEFINS
00: -
Disclosed herein are processes and reaction systems for controlling a temperature of an oligomerization reaction zone using a heat exchange system.

21: 2024/09279. 22: 2024/12/03. 43: 2026/01/29
51: B65B; B25J; B65G
71: UNITEC S.P.A.
72: BENEDETTI, LUCA
33: IT 31: 102022000013057 32: 2022-06-21
54: PACKAGING ASSEMBLY FOR THE PREPARATION OF PACKAGES OF HORTICULTURAL PRODUCTS
00: -
A packaging assembly for the preparation of packages (A) of horticultural products (B), comprising: - at least one system (2) for handling horticultural products (B), configured at least for the advancement of the horticultural products (B) one by one along a predefined path, - at least one instrument (3) for viewing the horticultural products (B), which is arranged along a first portion (G) of the path and is configured at least for the acquisition of information regarding a first spatial orientation, assumed by each product (B) advancing along the first portion (G), - at least one apparatus (5) for the transfer of the products (B), which comprises a grip element (6) provided with four degrees of freedom and configured for the transfer of the products (B) one by one from a terminal portion (H) of the path, arranged downstream of the first portion (G), to a respective packaging area (I), in which it is possible to arrange at least one respective container (C) of products (B). The assembly furthermore comprises: - at least means (8) for the independent rotation of each product (B), which are arranged along a second portion (L) of the path, downstream of the first one, and are configured to impart to each advancing product (B) a selectively independent rotation about a first axis (M), which is substantially horizontal and transverse to the advancement direction, - at least one electronic control and management unit (9), provided with instructions for the control at least of the apparatus (5) and of the means (8) on the basis at least of the information acquired by the instrument (3), for the variation of the spatial orientation of each product (B), performed by the means (8) and by the apparatus (5), until it is deposited in the respective container (C) according to a target spatial orientation.



21: 2024/09341. 22: 2024/12/05. 43: 2026/01/29
51: B60L; B60M
71: CATERPILLAR INC.
72: LANE, CAMERON T, STRASHNY, IGOR
33: US 31: 17/804,959 32: 2022-06-01
54: POWER SYSTEMS AND CONTROLS FOR ELECTRIC MACHINES
00: -
An electric machine (102) and sitewide control system and method that use a trolley power system at a worksite (100) is disclosed. The trolley power system allows electric machines (102) at the worksite (100) to draw power from the trolley power system to concurrently operate to perform tasks and

recharge their batteries (214). This allows the batteries (214) on electric machines (102) to be smaller than they would otherwise be, since a fully charged battery (214) is not needed when operational power can be drawn from the trolley power system. The trolley power system is segmented, such that if one segment (108) is faulted, the other segments (108) can operate to provide power to electric machines (102) at the worksite (100). Additionally, a sitewide controller (124) initiates operational changes, such as a change in speed, for the electric machines (102) at the worksite (100) to compensate for one or more faulted segments (108).



21: 2024/09348. 22: 2024/12/05. 43: 2026/01/29
51: F16D; B60L; H01R
71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC
72: STRASHNY, IGOR
33: US 31: 17/829,615 32: 2022-06-01

54: ELECTROMECHANICAL JOINT FOR CONDUCTOR ARM HAVING MULTIPLE DEGREES OF FREEDOM

00: -

An electromechanical joint (330) provides rotational movement in at least two dimensions while conducting electrical power between orthogonal hubs (518, 528). The joint, shaped as a cross, has four conical shafts (510, 520, 530, 540) positioned orthogonally and apart from each other within an interior of a housing (402). Apexes (514, 524, 534, 544) of the conical shafts face each other proximate a centroid (502) of the housing (402). A conductive fluid (604), such as Galinstan, fills recesses between the conical shafts. Separate yokes (332, 334) attached to pairs of the hubs may impart forces on the shafts, causing the shafts to rotate within the conductive fluid (604) around orthogonal axes. The conductive fluid (604) provides simultaneous conduction of electrical power between the hubs (518, 528). The yokes (332, 334) may be affixed respectively to a current collector (118) and conductive arms (116) of a work machine (100) for improved movement and power conduction without the need for additional components.

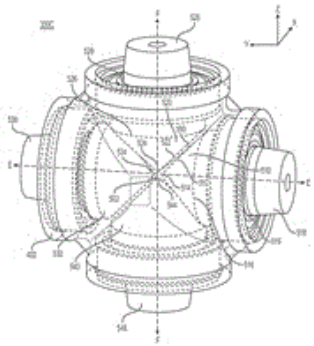


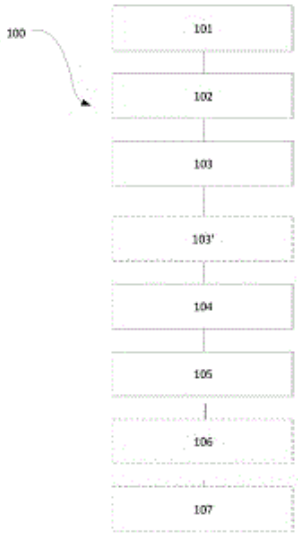
FIG. 5

21: 2024/09351. 22: 2024/12/05. 43: 2026/01/29
51: C02F; B03C; G01N
71: NOCOLI AB
72: FU, YING
33: SE 31: 2250898-0 32: 2022-07-12

54: METHOD AND SYSTEM FOR CHARACTERIZING ORGANIC LIVE PARTICLE TYPES IN WATER

00: -

The present disclosure relates to a method (100) for characterizing charged/polarizable organic live particle types in water comprising applying (101) a first time-dependent electric bias across a first pair of electrodes, so to generate a first space-time-dependent electric field in a sample of water. Further the method determines (102) background ion characteristics in said sample of water based on said first electric field. Further the method applies (103) a second time-dependent electric bias across at least a second pair of electrodes. Further, the method comprises obtaining (104) kinetic motion data of the captured particles. Additionally, the method determines (105) the presence/identity of a charged/polarizable organic live particle type.



21: 2024/09356. 22: 2024/12/05. 43: 2026/01/29
51: G01F; B22D; C21C
71: VESUVIUS REFRATARIOS LTDA.
72: MIZOTE, ROGER KENDY, SOLERA, PEDRO OLIVA, VICENTINI, CARLOS TIMOTHEO
33: EP 31: 22181612.7 32: 2022-06-28

54: MEASURING LANCE FOR THE MEASUREMENT OF A POSITION AND A THICKNESS OF A SLAG LAYER ON TOP OF A MOLTEN METAL

00: -

The present invention concerns a measuring lance (1) for measuring a position (has) of an air-slag interface (2as) between an atmosphere (4) and a slag layer (2) sitting on top of a molten metal (3), and a position (hsm) of a slag-metal interface (2sm) between the slag layer (2) and the molten metal (3) in a single measurement run, comprising: • a carrier tube (5) extending along an axis (X) between a proximal end (5p) and a distal end (5d) located downstream of the proximal end, • a measuring unit (6) coupled to the distal end (5d) of the carrier tube (5) and configured for passing through the slag layer (2), the measuring unit (6) comprising, o an electric circuit (7) configured for detecting the air-slag interface (2as), o a slag-metal interface detection unit (8) located downstream of the distal end (5d), comprising at least first and second electric measuring terminals (8ta, 8tb), and configured for measuring values of a first material property at the position (hsm) of the slag-metal interface (2sm) between the slag layer (2) and the molten metal (3), and o preferably a sensor unit (9) comprising first and second electric sensor terminals (9ta, 9tb) and configured for measuring values of a second material property of the slag layer (2) and of the molten metal (3), o a cap (10) enclosing the slag-metal interface detection unit (8) and optionally the sensor unit (9), configured for separating the slag-metal interface detection unit (8) from an outer environment.

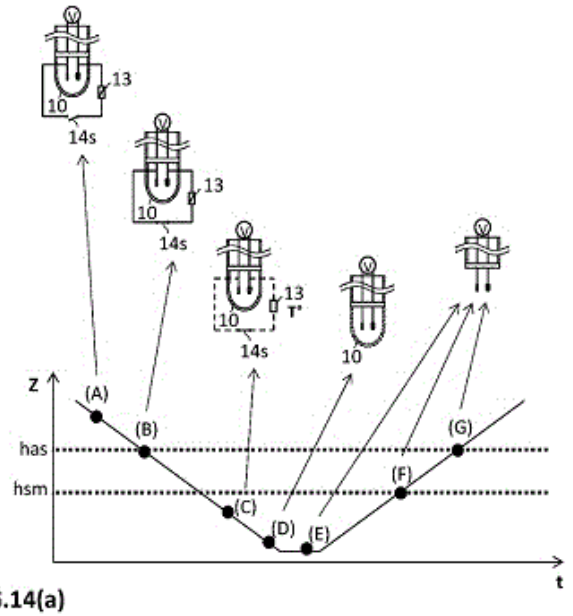


FIG.14(a)

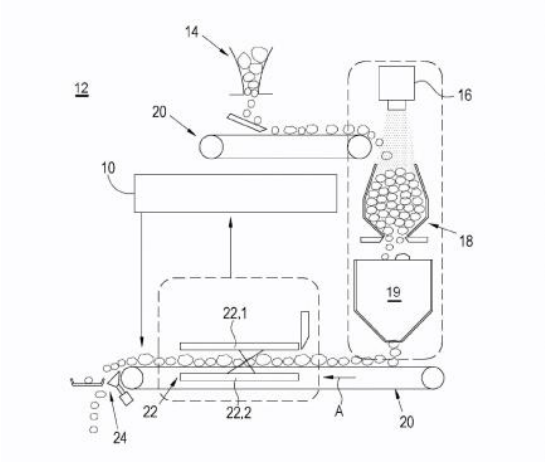
21: 2024/09389. 22: 2024/12/09. 43: 2026/01/06
51: G01N; G01T
71: UNIVERSITY OF JOHANNESBURG
72: CONNELL, Simon Henry, COOK, Martin Nkululeko Hogan, ANDREW, Richard Charles
33: ZA 31: 2018/08343 32: 2018-12-11

54: DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING

00: -

This invention relates to a diamond mine processing system which comprises a detector arrangement comprising a pair of spaced apart detector arrays oriented generally parallel to each other, wherein the detectors are configured to detect photons emitted from an object, wherein each detector in one of the arrays is linked to or associated with one or more other detector in the other one of the arrays to define a region of interest (RoI), each RoI including a subset of the detectors in the pair of arrays. The

detector arrangement comprises or is communicatively coupled to a coincidence trigger unit which is configured to register or determine a coincidence in response to receiving detection signals from two different detectors forming part of the same RoI and indicating detection of substantially back-to-back co-linear and co-incident photons in the RoI, wherein the detector arrangement is used to detect diamond/s in the object.

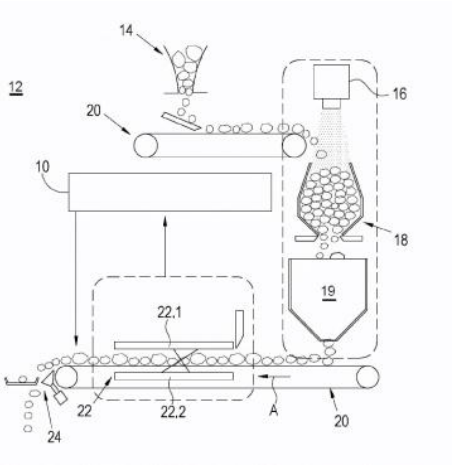


21: 2024/09390. 22: 2024/12/09. 43: 2026/01/06
51: A61B; G01N; G01T; G06N; G06T; G16H
71: UNIVERSITY OF JOHANNESBURG
72: CONNELL, Simon Henry, COOK, Martin Nkululeko Hogan, ANDREW, Richard Charles
33: ZA 31: 2018/08343 32: 2018-12-11

54: DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING

00: -

This invention relates to a medical positron emission tomography (PET) system which comprises a detector arrangement comprising a pair of spaced apart detector arrays oriented generally parallel to each other, wherein the detectors are configured to detect photons emitted from a biological object, wherein each detector in one of the arrays is linked to or associated with one or more other detector in the other one of the arrays to define a region of interest (RoI), each RoI including a subset of the detectors in the pair of arrays. The detector arrangement comprises or is communicatively coupled to a coincidence trigger unit which is configured to register or determine a coincidence in response to receiving detection signals from two different detectors forming part of the same RoI and indicating detection of substantially back-to-back co-linear and co-incident photons in the RoI.



21: 2024/09417. 22: 2024/12/09. 43: 2026/01/27
51: A01H; C12N
71: CIBUS US LLC, CIBUS EUROPE B.V.
72: BEETHAM, Peter, R., GOCAL, Gregory, F.W., SCHOPKE, Christian, SAUER, Noel, PEARCE, James, SEGAMI, Rosa, E., MOZORUK, Jerry
33: US 31: 61/953,333 32: 2014-03-14
33: US 31: 62/051,579 32: 2014-09-17
33: US 31: 62/075,811 32: 2014-11-05
33: US 31: 62/075,816 32: 2014-11-05
33: US 31: 62/133,129 32: 2015-03-13

54: METHODS AND COMPOSITIONS FOR INCREASING EFFICIENCY OF TARGETED GENE MODIFICATION USING OLIGONUCLEOTIDE-MEDIATED GENE REPAIR

00: -

Provided herein include methods and compositions for making targeted changes to a DNA sequence. In various aspects and embodiments, methods and compositions for modifying a DNA sequence in a cell (such as a plant, bacterial, yeast, fungal, algal, or mammalian cell) are provided. In some aspects and embodiments the modification of DNA involves combining gene repair oligonucleotides with approaches that enhance the availability of components of the target cell gene repair mechanisms, such as a DNA cutter.

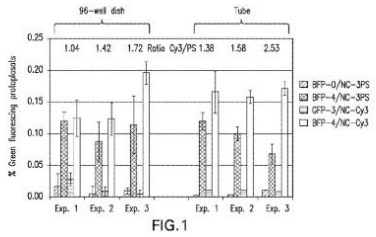


FIG.1

21: 2024/09442. 22: 2024/12/09. 43: 2026/01/29
51: B01D; C01G; C22B
71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY, THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH
72: CARRICK, ANDREW, LOVE, JASON, MORRISON, CAROLE, OSHAUGNESSY, PAUL NOEL, PATRICK, JANE HELEN, SCHOFIELD, EMMA
33: GB 31: 2211199.1 32: 2022-08-01
54: SELECTIVE EXTRACTION OF RHODIUM FROM HYDROCHLORIC ACID SOLUTIONS COMPRISING RHODIUM AND IRIDIUM
00: -
A method of selectively extracting rhodium from an aqueous hydrochloric acid solution comprising rhodium and iridium, the method comprising: mixing a first aqueous hydrochloric acid solution comprising rhodium and iridium with an immiscible organic solution comprising a first organic solvent and an extractant system which selectively extracts the rhodium into the organic solution, wherein the first aqueous hydrochloric acid solution has a hydrochloric acid concentration in a range 2 M to 7 M; separating the organic solution comprising the rhodium from the first aqueous hydrochloric acid solution; mixing the separated organic solution with an aqueous stripping solution in order to strip the rhodium from the organic solution into the aqueous stripping solution; separating the organic solution from the aqueous stripping solution; and re-using the organic solution for further extraction of rhodium.



21: 2024/09518. 22: 2024/12/10. 43: 2026/01/29
51: C22B; H01M
71: UMICORE
72: YAGI, RYOHEI, SCHEUNIS, LENNART
33: EP 31: PCT/EP2022/063010 32: 2022-05-13
33: EP 31: 22187712.9 32: 2022-07-29
54: RECOVERY OF NICKEL AND COBALT FROM BLACK MASS
00: -
The present invention lies in the field of pyrometallurgy and discloses a process and a slag suitable for the recovery of Ni and Co from Li-ion batteries or their waste, particularly from Black Mass. The slag composition is defined according to: 25% < MnO < 70%; Al_2O_3 + 0.5 MnO < 45% SiO_2 > 5%; Li_2O > 1%; 0.5% < P_2O_5 < 10%; MnO + Li_2O + Al_2O_3 + CaO + SiO_2 + FeO + MgO + P_2O_5 > 90%; and, wherein (CaO + 2 Li_2O + 0.4 MnO) / SiO_2 ≥ 2.0. This composition is particularly adapted to limit or avoid the wear or corrosion of furnaces lined with magnesia-bearing refractory bricks.

21: 2024/09553. 22: 2024/12/11. 43: 2026/01/21
51: A62C
71: RIESTER GMBH
72: PFEIFFER, Jörg
33: DE 31: 20 2022 103 126.6 32: 2022-06-02
54: FIRE PROTECTION DEVICE COMPRISING A FIRE PROTECTION BLANKET
00: -
The invention relates to a fire protection device comprising a fire protection blanket (3) which can be

placed over a potentially burning object positioned in a parking space (5), in particular such as a battery-operated vehicle (6), in order to prevent the spread of fire starting from or across the object. The fire protection blanket (3) is compactly gathered, in particular rolled up and/or folded together, into a roll (32), is accommodated in a box-like housing (1) which is or can be mounted at the parking space (5), and is connected to a pull-out device (4) by means of which the fire protection blanket can be manually or automatically placed completely over the object in the event of a fire or risk of fire such that its side portions (31) rest completely or at least largely on the parking space floor on every side in order to prevent as much oxygen influx as possible.

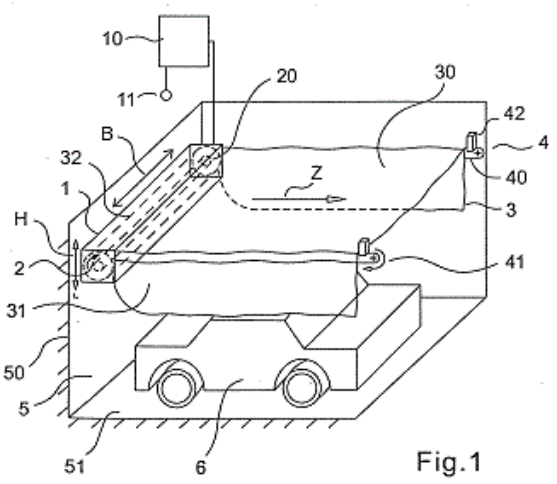
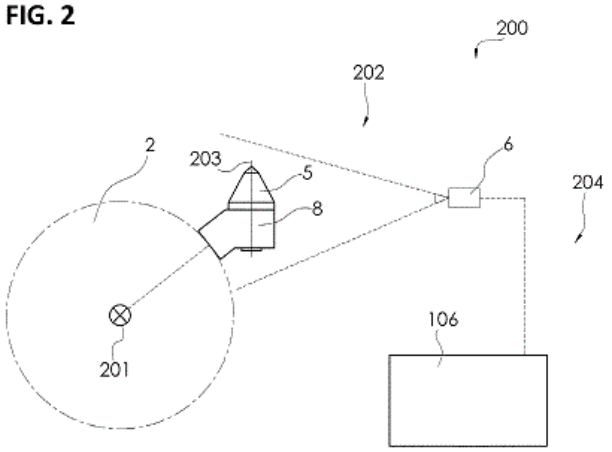


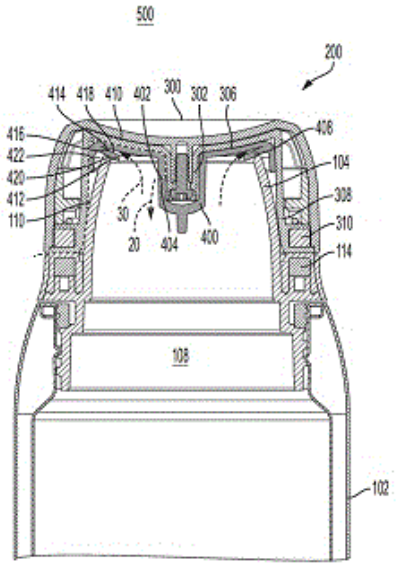
Fig.1

21: 2024/09554. 22: 2024/12/11. 43: 2026/01/21
51: E21C; E21D
71: ROCKFEEL GMBH
72: BRETSCHNEIDER, Jörg, SHEPEL, Taras, YASAR, Serdar
33: DE 31: 10 2022 114 940.4 32: 2022-06-14
54: METHOD AND MATERIAL REMOVAL SYSTEM
00: -
According to various embodiments, a material removal system (200) can have: a material removal machine (202) which has a machine chisel (5) and is designed to remove material by means of the machine chisel (5); an infrared camera (6) for capturing temperature-based image data which represent a machine chisel (5); a data processing device (106) which is designed to: determine (101) an indication which represents at least one geometrical property of the machine chisel (5) on the basis of the temperature-based image data; determine (103) a state of the machine chisel (5) on the basis of the indication.

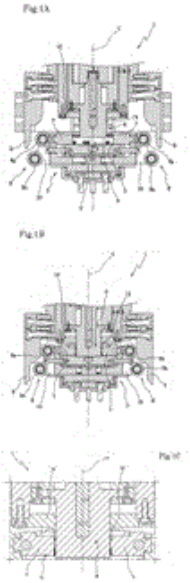
FIG. 2



21: 2024/09566. 22: 2024/12/11. 43: 2026/01/29
51: A45F; B65D
71: RUNWAY BLUE, LLC
72: FAERBER, PAUL JAMES
33: US 31: 63/367,175 32: 2022-06-28
54: SEALING MECHANISM FOR A BEVERAGE CONTAINER
00: -
Some embodiments described herein are directed to a beverage container including a drinking opening, a closure, and a seal. The closure is configured to selectively close the drinking opening. The seal is coupled to the closure and configured to seal the drinking opening when the closure closes the drinking opening. The closure includes a shaft extending down from an interior of the closure. The seal covers the shaft, and a slit extends through a portion of the seal covering the shaft.



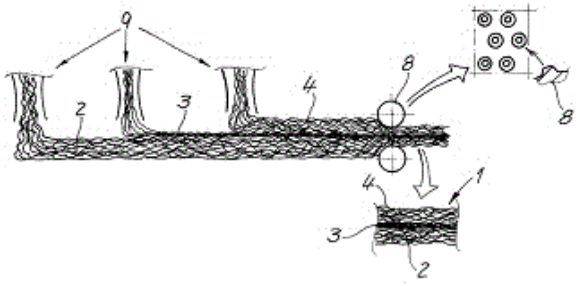
21: 2024/09567. 22: 2024/12/11. 43: 2026/01/29
51: B29C; B29K; B29L
71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA
72: PUCCI, FABRIZIO, ZANOTTI, DAVIDE, PIRAZZOLI, FRANCESCO, MAZZOTTI, GIOVANNI, PARRINELLO, FIORENZO
33: IT 31: 102022000014140 32: 2022-07-04
54: APPARATUS FOR MOULDING AN OBJECT WITH A MATERIAL DERIVED FROM NATURAL FIBRES
00: -
A moulding apparatus (1) for forming an object from a dose of material derived at least partially from natural fibres, having a forming region (2) delimited by a lateral surface (3) extending around a central zone of the forming region (2). The apparatus (1) comprises: - a first half-mould (5) defining said forming region (2), comprising a transverse surface (4) and the lateral surface (3) defining a forming cavity; - a second half-mould (6) mutually movable with respect to the first half- mould (5) along a moulding axis (Y) so as to be inserted into said forming cavity for shaping said dose; and - a compensation device (14) which can be positioned at a variable distance from the transverse surface (4) through a mutual movement of the compensation device (14) and the forming cavity, so as to determine a final size of the object to be formed as a function of the volume of the dose inserted into the forming cavity.



21: 2024/09616. 22: 2024/12/12. 43: 2026/01/29
51: B32B; D04H
71: REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK
72: BOHL, PATRICK, RÖSNER, ANDREAS, WAGNER, TOBIAS
33: DE 31: 10 2022 115 200.6 32: 2022-06-17
54: SPUNBONDED NONWOVEN LAMINATE AND PROCESS FOR PRODUCING A SPUNBONDED NONWOVEN LAMINATE
00: -
A spunbonded nonwoven laminate comprising at least two spunbonded nonwoven layers made of continuous filaments, wherein at least one crimped spunbonded nonwoven layer comprising bulked continuous filaments is present. The bulked continuous filaments of the at least one crimped spunbonded nonwoven layer are multicomponent filaments comprising at least one first polymer component and at least one second polymer component. At least one reinforcing spunbonded nonwoven layer which consists or substantially consists of non-bulked continuous filaments and/or continuous filaments that are less bulked in comparison with the continuous filaments of the at least one crimped spunbonded nonwoven layer is present. The continuous filaments of the reinforcing spunbonded nonwoven layer comprise at least one binder component arranged at their surface. The melting temperature difference between the binder component of the continuous filaments of the

reinforcing spunbonded nonwoven layer and the first polymer component of the continuous filaments of the at least one crimped spunbonded nonwoven layer is less than 15°C. The laminate has a maximum cantilever flexural strength of at most 100 mm.

Fig.1



21: 2024/09617. 22: 2024/12/12. 43: 2026/01/29
51: D04H
71: REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK
72: BOHL, PATRICK, RÖSNER, ANDREAS, WAGNER, TOBIAS
33: DE 31: 10 2022 115 200.6 32: 2022-06-17
54: NONWOVEN FABRIC, AND DEVICE FOR PRODUCING A NONWOVEN FABRIC
00: -
The invention relates to a nonwoven fabric comprising at least one nonwoven web composed of fibres. The nonwoven fabric has an embossed pattern. The embossed pattern consists of a plurality of embossments - preferably not connected to one another. The embossments each have an embossing area of 0.05 to 0.3 mm².

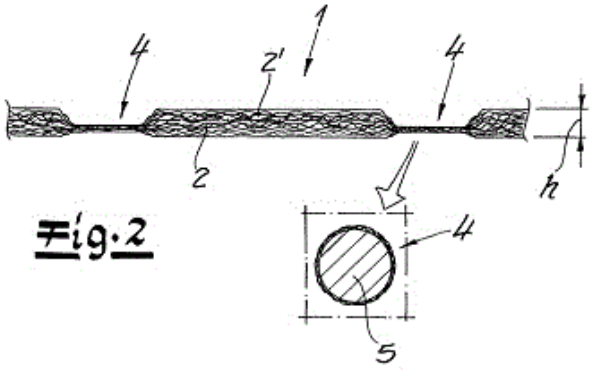
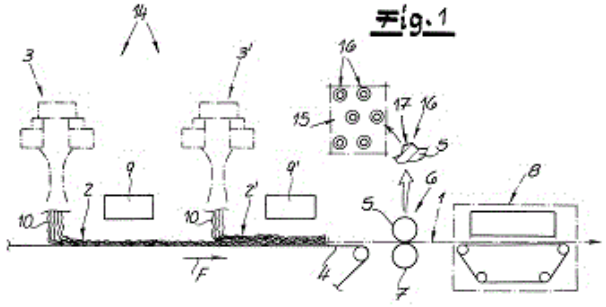


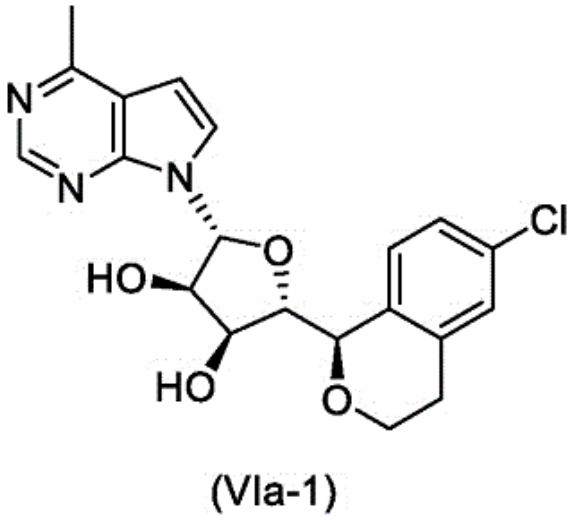
Fig.2

21: 2024/09618. 22: 2024/12/12. 43: 2026/01/29
51: D04H; B32B
71: REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK
72: SOMMER, SEBASTIAN, BOHL, PATRICK, RÖSNER, ANDREAS, WAGNER, TOBIAS
33: DE 31: 10 2022 115 205.7 32: 2022-06-17
54: METHOD AND DEVICE FOR PRODUCING A NONWOVEN FABRIC
00: -
The invention relates to a method for producing a nonwoven fabric comprising at least one nonwoven web composed of fibres. The fibres are produced by means of at least one fibre-producing device. Subsequently, the fibres are deposited on at least one depositing device in order to form the nonwoven web. The nonwoven web or nonwoven fabric is solidified with at least one calender roller, and the nonwoven fabric is also solidified or primarily solidified with at least one hot fluid primary solidification device.

Fig.1

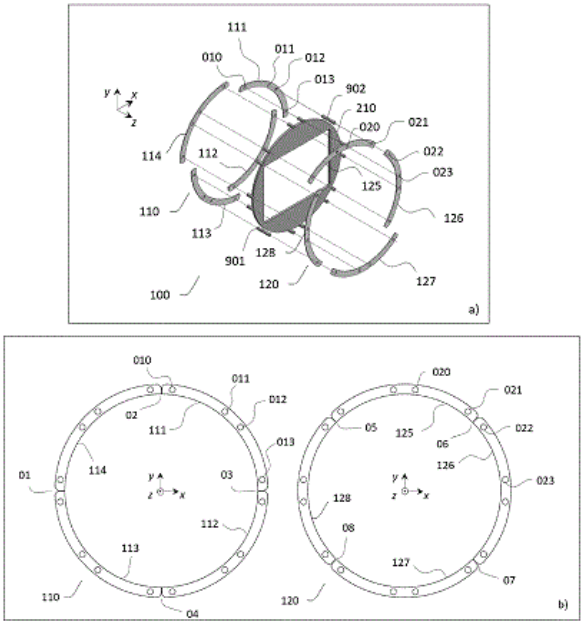


21: 2024/09745. 22: 2024/12/17. 43: 2026/01/09
51: C07H; A61P; A61K
71: PRELUDE THERAPEUTICS INCORPORATED
72: CAO, GANFENG, COMBS, ANDREW, YU, HONGWU, WEI, PENG
33: US 31: 63/366,335 32: 2022-06-14
54: PROCESSES FOR MAKING PRMT5 INHIBITORS
00: -
The disclosure provides processes for preparing the compound of formula (VIa-1) and pharmaceutically acceptable salts thereof. Intermediates useful in preparing the compound of formula (VIa-1) are also provided.

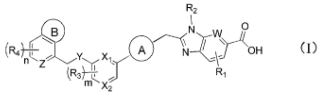


(VIa-1)

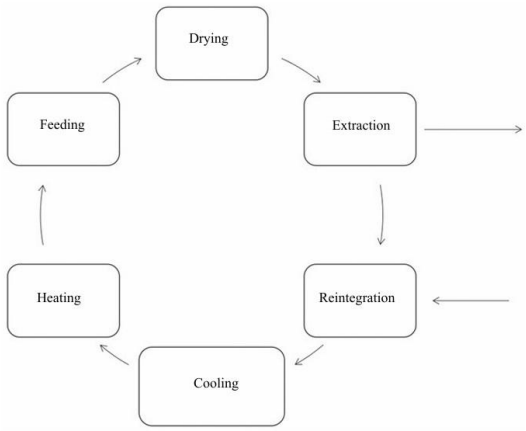
21: 2024/09790. 22: 2024/12/18. 43: 2026/01/21
51: C25B
71: VIERING, JENTSCHURA & PARTNER MBB PATENT- UND RECHTSANWÄLTE
72: NUZZO, Daniele, PEREGO, Michele, LIUZZO, Mirko
33: IT 31: 102022000011972 32: 2022-06-07
54: FRAMING STRUCTURE FOR AN ELECTROLYSER
00: -
The present invention relates to a framing structure for an electrolyser subject to internal pressure, able to withstand corrosive environments and radial pressure forces. The present invention also relates to an electrolytic cell and electrolyser equipped with said framing structure, as well as its use in high-pressure water electrolysis applications.



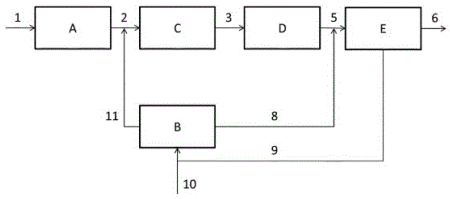
21: 2024/09796. 22: 2024/12/18. 43: 2026/01/21
51: C07D; A61K; A61P
71: CHENGDU DI'AO JIUHONG PHARMACEUTICAL FACTORY
72: HE, Peng, YU, Zhou, DONG, Guangxin, DENG, Ta, ZHANG, Rui, YE, Qijun, ZHANG, Shaofeng, ZHANG, Yong, ZHANG, Juan, HUANG, Pei, LI, Shan, LI, Bogang
33: CN 31: 202210548598.2 32: 2022-05-20
33: CN 31: 202210936272.7 32: 2022-08-05
54: BENZIMIDAZOLE OR AZABENZIMIDAZOLE COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
Disclosed in the present invention are a benzimidazole or azabenzimidazole compound, a preparation method therefor and a use thereof. The benzimidazole or azabenzimidazole compound has a structure shown in formula (I). A use of the compound and a pharmaceutically acceptable salt, stereoisomer, solvate, or hydrate thereof in preparation of a GLP-1 receptor agonist, and a use thereof in preparation of a medication for treating and/or preventing metabolic diseases.



21: 2025/00181. 22: 2025/01/06. 43: 2026/02/27
51: A23G
71: PINCO SA
72: CATELLI, Cesare
33: CH 31: CH000834/2022 32: 2022-07-13
33: IT 31: 102022000014719 32: 2022-07-13
54: DRYING PLANT FOR THE PRODUCTION OF CONFECTIONARY ITEMS
00: -
A drying plant (100) for the production of confectionery products is described, comprising a drying chamber (3), an air treatment unit (2), a delivery assembly 4 and a suction assembly (5), an inner air distribution assembly fluidically connected to said delivery assembly (4) and to said suction assembly (5) so as to form a closed air circuit characterized in that said inner distribution assembly comprises at least one closed- section delivery channel (7) comprising a plurality of primary outlets (8) configured to send a portion of the airflow into the lower portion of the drying chamber (8).



21: 2025/00330. 22: 2025/01/09. 43: 2026/02/27
51: B01D; C10G; C10K
71: IFP ENERGIES NOUVELLES, AVRIL, AXENS, BIONEXT, THYSSENKRUPP UHDE GMBH, TOTALENERGIES ONETECH, COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
72: HERAUD, Jean-Philippe, KALAYDJIAN, François, PIRES DA CRUZ, Antonio, HECQUET, Micheal
33: FR 31: FR2207451 32: 2022-07-20
54: IMPROVED METHOD FOR CONVERTING A FEEDSTOCK CONTAINING A BIOMASS FRACTION FOR THE PRODUCTION OF HYDROCARBONS BY MEANS OF FISCHER-TROPSCH SYNTHESIS
00: -
The present invention relates to a method for converting a feedstock comprising at least one biomass fraction into hydrocarbons, the method comprising a step a) of pretreating the feedstock; a water electrolysis step b) for obtaining a stream of hydrogen and a stream of oxygen, wherein the water is at least partially produced by means of Fischer-Tropsch synthesis carried out in step e); a step c) of gasifying the feedstock pretreated in step a) in the presence of all or some of the stream of oxygen from the water electrolysis step b) so as to obtain a gaseous effluent comprising a synthesis gas; an optional step d) of conditioning the gaseous effluent comprising a synthesis gas from step c); and a step e) of synthesising, by means of Fischer-Tropsch synthesis, the gaseous effluent from step c) or, optionally, from step d) in the presence of all or some of the hydrogen from the water electrolysis step b) so as to produce a stream comprising synthesis liquid hydrocarbons and at least one gaseous effluent.



21: 2025/00556. 22: 2025/01/16. 43: 2026/02/26
51: A61K
71: HARBIN KANON PHARMACEUTICAL CO., LTD, BEIJING ZHENGLONG PHARMACEUTICAL RESEARCH INSTITUTE CO., LTD
72: MU, Bin, ZHAO, YuXin
33: CN 31: 202210938199.7 32: 2022-08-05
33: CN 31: 202310907725.8 32: 2023-07-21
54: TASTE-MASKING MICROSPHERE, PREPARATION PROCESS THEREFOR, AND USE THEREOF
00: -
The present invention provides a taste-masking microsphere, a preparation process therefor, and use thereof, and relates to the technical field of pharmaceutical formulations. The taste-masking microsphere comprises the following components in parts by weight: 1.5-21.2 parts of a medicament ingredient, 35-110 parts of a medicament carrier, 0-30 parts of an alkalizing agent, and 0-8 parts of a

plasticizer. The taste-masking microsphere has the advantages of a good taste-masking effect and wide adaptability.

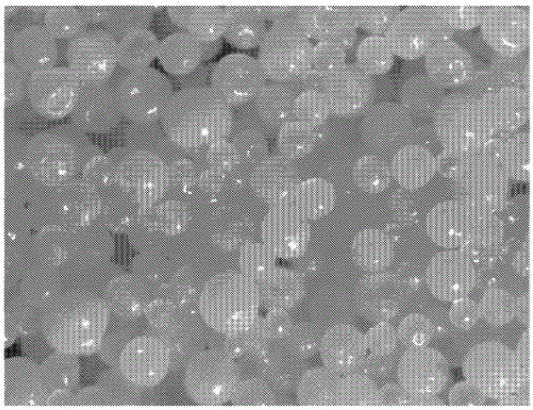


图 12

21: 2025/00599. 22: 2025/01/17. 43: 2026/02/26
51: C02F
71: SENSIBLUE IP B.V.
72: THOLEN, Johannes Petrus Paulus, THOLEN, Wirijn Jan
33: NL 31: 2032699 32: 2022-08-08
54: A METHOD AND DEVICE FOR DISINFECTING WATER AND WATER SUPPLY SYSTEM COMPRISING SAID DEVICE
00: -
The present invention relates to a method for disinfecting water in a water supply system by means of generation of active chlorine using an electrolytic device comprising an electrolytic cell provided with electrodes over which a voltage difference is applied. The invention also relates to an electrolytic device for disinfecting water in a water supply system by means of generation of active chlorine. The invention also relates to a water supply system comprising said electrolytic device.

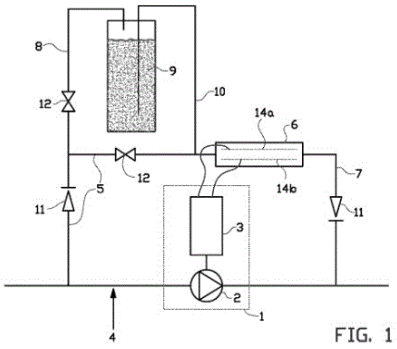
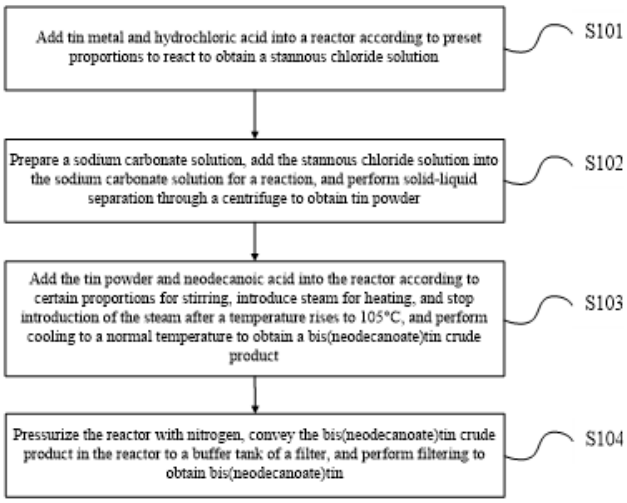


FIG. 1

21: 2025/00661. 22: 2025/01/20. 43: 2026/03/16
51: B01J; C07C
71: ANHUI HENGGUANG POLYURETHANE MATERIAL CO., LTD
72: WANG, Bin, LI, Zhen, CHEN, Liangyong, LI, Zhongjun, REN, Haojun, TAO, Bo, LI, Kui
33: WO 31: PCT/CN2023/118016 32: 2023-09-11
33: CN 31: 2023111262327 32: 2023-09-01
54: PREPARATION METHOD FOR STANNOUS NEODECANOATE, AND REACTOR
00: -
The present invention relates to the technical field of chemical production, and in particular to a preparation method for bis(neodecanoate)tin and a reactor. The preparation method includes: putting tin metal and hydrochloric acid into a reactor according to preset proportions to react to obtain a solution; preparing a sodium carbonate solution, adding the solution into the sodium carbonate solution for a reaction, and performing solid-liquid separation through a centrifuge to obtain tin powder; adding the tin powder and neodecanoic acid into the reactor according to certain proportions for stirring, introducing steam for heating, stopping introduction of the steam after a temperature rises to 105 degrees Celsius, and performing cooling to a normal temperature to obtain a bis(neodecanoate)tin crude product; and pressurizing the reactor with nitrogen, conveying the bis(neodecanoate)tin crude product in the reactor to a buffer tank of a filter, and performing filtering to obtain the bis(neodecanoate)tin.

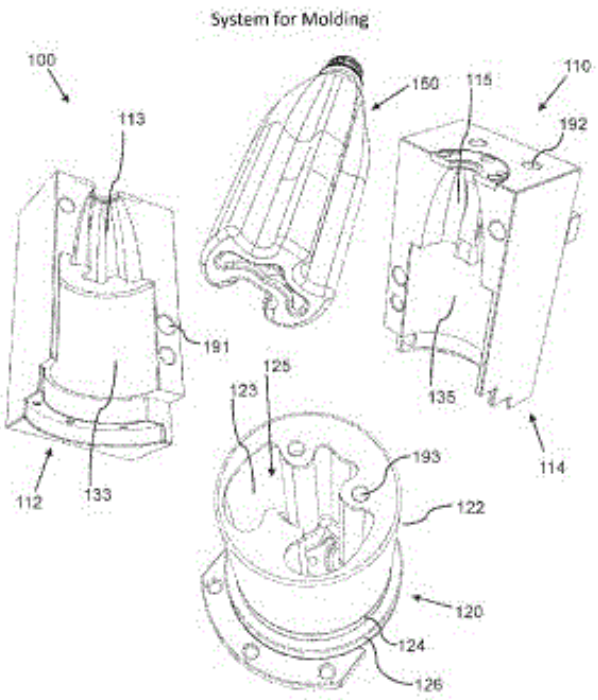


21: 2025/00900. 22: 2025/01/27. 43: 2026/02/27
51: B29C; B65D
71: HATTAB GLOBAL CORP.
72: HATTAB, Alaa, Mohamed
33: US 31: 63/389,117 32: 2022-07-14
33: US 31: 18/206,896 32: 2023-06-07

54: THREE-PIECE MOLD DEVICE, SYSTEM, AND METHOD FOR MANUFACTURING OF CONNECTABLE BEVERAGE BOTTLE

00: -

A system for molding includes: right and left upper mold portions; and a lower mold portion, such that the right and left upper mold portions are positionable side by side and the lower mold portion is positionable between lower ends of the right and left upper mold portions to form an entire molding cavity for blow molding a connectable beverage bottle, such that the lower mold portion is vertically downwardly removable and the right and left upper mold portions are laterally removable after blow molding of the connectable beverage bottle. Also disclosed is a method of molding, including: preparing blow pin, assembling mold components, performing blow molding, removing blow pin, disassembling mold components, and extracting the connectable beverage bottle.



21: 2025/01133. 22: 2025/02/05. 43: 2026/02/26
51: B62D
71: ARCELORMITTAL
72: Joël WILSIUS
33: IB 31: PCT/IB2022/059611 32: 2022-10-07

54: REAR FLOOR PANEL AND STRUCTURAL ASSEMBLY FOR A MOTOR VEHICLE

00: -

Rear floor panel (1) for an automotive vehicle made from a single metallic blank and comprising reinforced rear and front side portions (11L), (11R), (12L), (12R) compared to the center rear and front portions (11C), (12C). Rear structural assembly (2) comprising a rear floor panel (1) as previously described assembled onto a rear underfloor structure (3), comprising itself a right and left side member (3L), (3R) linked together by at least one cross member (3C).

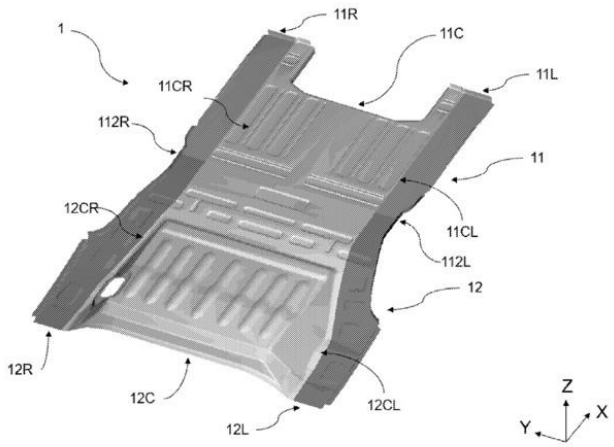


Fig. 3

21: 2025/01190. 22: 2025/02/07. 43: 2026/02/26
51: H04L; H04W
71: JURA ELEKTROAPPARATE AG
72: Amir KARIMIAN
33: EP 31: 22206470.1 32: 2022-11-09

54: METHOD FOR ESTABLISHING A CONTROL CONNECTION, MOBILE TERMINAL, SET COMPRISING A MOBILE TERMINAL AND A HOUSEHOLD APPLIANCE AND METHOD FOR RETROFITTING A HOUSEHOLD APPLIANCE

00: -

The invention relates to a method for establishing a control connection (1) between a household appliance (2), in particular a coffee machine, and a mobile terminal (3), in particular a smartphone, wherein information (4) that can be read from the outside, preferably by contactless means, is held on or by the household appliance (2), characterised by the following steps: - machine reading (6) of the information (4) - testing whether a data connection has already been previously established for this information (9), and, - if a result of the test is negative, establishing a preferably direct data connection (7) between household appliance (2) and mobile terminal (3) in order to obtain a machine-specific identifier (10) from the household appliance (2), and assigning (11) the identifier to the information (4), or, - if the result of the test is positive, using the identifier (10) to establish the control connection (12). The invention also relates to a mobile terminal (3) with means for implementing a method, and a set comprising the mobile terminal (3) and a household appliance (2).

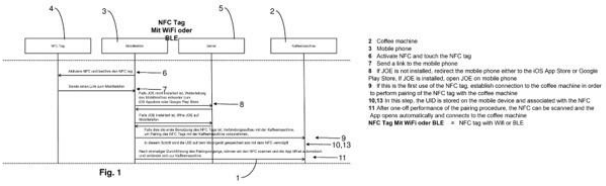


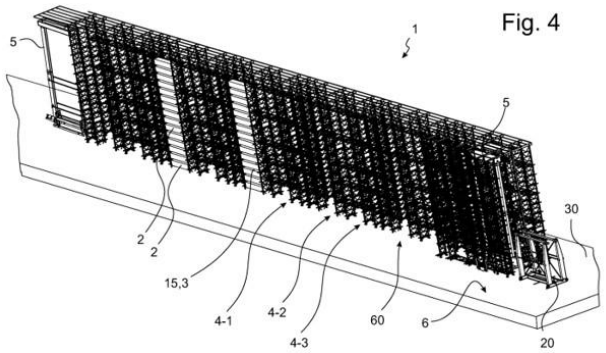
Fig. 1

21: 2025/01507. 22: 2025/02/18. 43: 2026/02/26
51: B65G; B66F
71: AMOVA GMBH
72: Volker BRÜCK, Bernd BÜDENBENDER
33: DE 31: 10 2022 129 323.8 32: 2022-11-07

54: INTEGRATION OF TRANSFER DEVICES IN A HIGH-BAY WAREHOUSE

00: -

The invention relates to a high-bay warehouse (1) for storing and retrieving containers (2), having a plurality of storage spaces (15), arranged horizontally adjacent to and vertically above one another, for containers (2) and storage aisles (4) arranged between groups of storage spaces (15) and extending parallel to one another, in each of which storage aisles at least one storage and retrieval machine (5) can be moved back and forth, which is designed to move the containers (2) vertically and horizontally and into and out of the storage spaces (15), wherein a transport route (30) for means of transport (31) is allocated to the high-bay warehouse (1), which transport route is arranged below the travel plane (6) of the storage and retrieval machines (5) and at least one device (20) is provided for receiving and transporting storage and retrieval machines (5), which device spans the transport route (30) and is designed and configured to receive at least one storage and retrieval machine (5) and to move same between at least two storage aisles (4-1, 4-2) perpendicularly to the longitudinal orientation of the storage aisles (4). Furthermore, the invention relates to a method for reducing and/or increasing the number of storage and retrieval machines (5) per storage aisle (4) in a high-bay warehouse (1).

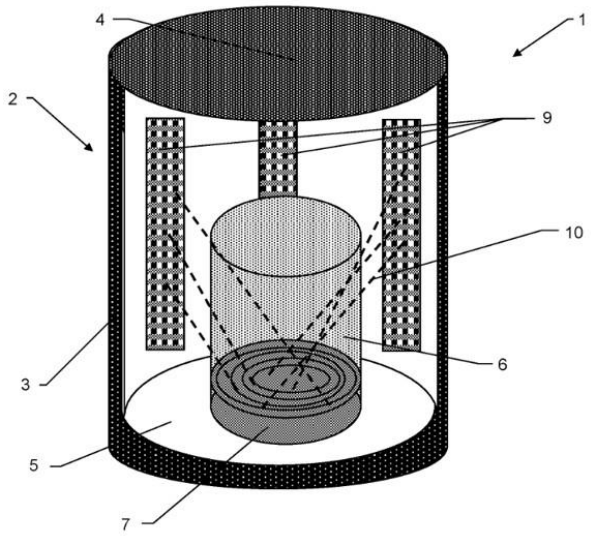


21: 2025/01589. 22: 2025/02/20. 43: 2026/02/26
51: B22F; C22C; B33Y
71: ARCELORMITTAL
72: Manuel SÁNCHEZ PONCELA, Rosalia REMENTERIA FERNANDEZ, Laura DEL RIO FERNANDEZ, Verónica SUAREZ FERNANDEZ
33: IB 31: PCT/IB2022/060030 32: 2022-10-19
54: METAL POWDER FOR ADDITIVE MANUFACTURING
00: -
The invention relates to a metal powder for additive manufacturing having a composition comprising the following elements, expressed in content by weight: − 15% ≤ Mn ≤ 35% − 6% ≤ Al ≤ 15% − 0.5% ≤ C ≤ 1.8% − 1.6% ≤ Si ≤ 3.5% − P ≤ 0.013% − S ≤ 0.015% − N ≤ 0.100% and optionally containing Ni ≤ 8.5 wt.% and/or Cr ≤ 2.5 wt.% and/or B ≤ 0.1wt.% and/or one or more elements chosen among Ta, Zr, Nb, V, Ti, Mo, and W in a cumulated amount of up to 2.0 wt.%, the balance being iron and unavoidable impurities resulting from the elaboration. It also deals with a process for manufacturing such powder and for manufacturing a printed part out of it.

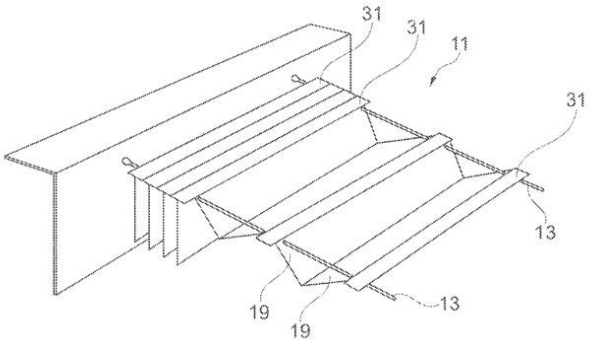
21: 2025/01613. 22: 2025/02/21. 43: 2026/02/26
51: B22F; C22C; B33Y
71: ARCELORMITTAL
72: Manuel SÁNCHEZ PONCELA, Rosalia REMENTERIA FERNANDEZ, Hassan GHASSEMI-ARMAKI, Venkata Sai Ananth CHALLA, Md SHAMSUJJOHA
33: IB 31: PCT/IB2022/060032 32: 2022-10-19
54: METAL POWDER FOR ADDITIVE MANUFACTURING
00: -
The invention relates to a metal powder for additive manufacturing having a composition comprising the following elements, expressed in content by weight: − 15% ≤ Mn ≤ 35% − 6% ≤ Al ≤ 15% − 0.5% ≤ C ≤ 1.8% − 0% ≤ Si ≤ 0.5% − P ≤ 0.013% − S ≤ 0.015% − N ≤ 0.100% and optionally containing Ni ≤ 8.5 wt.% and/or Cr ≤ 2.5 wt.% and/or B ≤ 0.1 wt.% and/or one or more elements chosen among Ta, Zr, Nb, V, Ti, Mo, and W in a cumulated amount of up to 2.0 wt.%, the balance being iron and unavoidable impurities resulting from the elaboration. It also deals with a process for manufacturing such powder and for manufacturing a printed part out of it.

21: 2025/01667. 22: 2025/02/24. 43: 2026/02/26
51: B22F; C22C; B33Y
71: ARCELORMITTAL
72: Manuel SÁNCHEZ PONCELA, Rosalia REMENTERIA FERNANDEZ, Laura DEL RIO FERNANDEZ, Nestor GARCIA PEDROSO
33: IB 31: PCT/IB2022/060035 32: 2022-10-19
54: METAL POWDER FOR ADDITIVE MANUFACTURING
00: -
The invention relates to a metal powder for additive manufacturing having a composition comprising the following elements, expressed in content by weight: 15% ≤ Mn ≤ 35% 6% ≤ Al ≤ 15% 0.5% ≤ C ≤ 1.8% 0.4% ≤ Ti ≤ 4.5% 0 ≤ Si ≤ 3.5% P ≤ 0.013% S ≤ 0.015% N ≤ 0.100% and optionally containing Ni ≤ 8.5 wt.% and/or Cr ≤ 2.5 wt.% and/or B ≤ 0.1 wt.% and/or one or more elements chosen among Ta, Zr, Nb, V, Ti, Mo, and W in a cumulated amount of up to 2.0 wt.%, the balance being iron and unavoidable impurities resulting from the elaboration. It also deals with a process for manufacturing such powder and for manufacturing a printed part out of it.

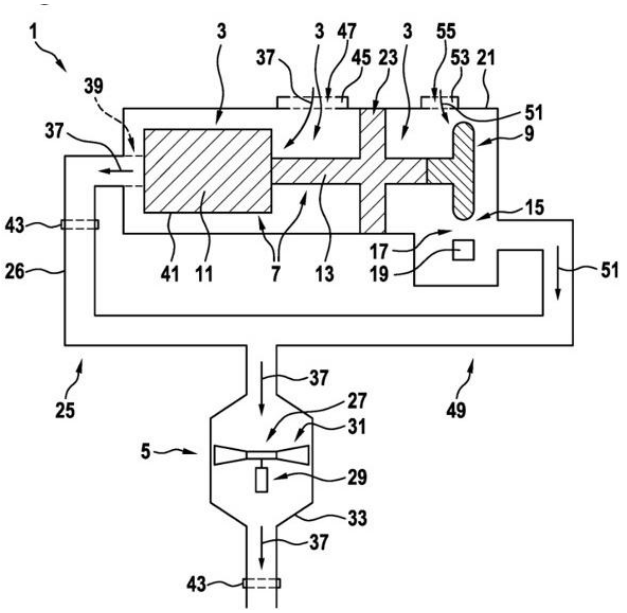
21: 2025/01868. 22: 2025/02/28. 43: 2026/03/12
51: A23L
71: Dr. Johann KREUTZINGER
72: Dr. Johann KREUTZINGER
33: US 31: 17/939,600 32: 2022-09-07
54: DEVICE FOR REFINING THE TASTE OF BEVERAGES
00: -
The present invention relates to a device (1) for refining the taste of beverages (7) with an irradiation chamber (2), wherein the irradiation chamber (2) is configured to receive a beverage vessel (6), in particular a beverage glass or a beverage bottle, and at least one radiation source (9), the at least one radiation source (9) being arranged within the irradiation chamber (2) and is configured to emit a first radiation (10) with a wavelength out of a wavelength range between 270 nm and 450 nm, wherein the beverage vessel (6) is providable in the irradiation chamber (2) to be irradiated with the first radiation (10).



21: 2025/01909. 22: 2025/03/03. 43: 2026/03/12
51: H02S; F24S
71: DHP TECHNOLOGY AG
72: Gian Andri DIEM, Peter KASPER
33: CH 31: CH000952/2022 32: 2022-08-12
54: SOLAR ENERGY SYSTEM
00: -
The invention relates to a solar energy system (11) with a plurality of solar panels (19) arranged in a row, wherein there is an innermost and an outermost solar panel (19), and at least one holding element (13) oriented in the longitudinal direction of the solar energy system (11), on which the solar panels (19) are held one behind the other and along along which the solar panels (11) can be moved by an engagement means from an extended operating position into a retracted protective position and vice versa, wherein adjacent solar panels (19) are connected to one another in an articulated manner, so that a pushing or pulling force can be transmitted from one solar panel (19) to an adja-cent solar panel (19). The outermost and innermost solar panels (19) are pressed against each other in the protective position by a mechanical force, forming a stable package of solar panels (19) that enables the solar panels (19) to protect themselves from the weather.



21: 2025/02248. 22: 2025/03/10. 43: 2026/03/12
51: B06B; B23K; B29C
71: SCHUNK SONOSYSTEMS GMBH
72: Sebastian RÜHL, Waldemar WERNER, Rainer WAGENBACH, Heiko STROBEL, Stefan MÜLLER, Daniel GÜNTHER, Dariusz KOSECKI, Stephan BECKER, Eugen KOCH
33: DE 31: 10 2022 130 241.5 32: 2022-11-15
54: ULTRASONIC WELDING DEVICE COMPRISING AIR COOLING
00: -
The invention relates to an ultrasonic welding device (1) which comprises an oscillator arrangement (3), which has an ultrasonic oscillation generator (7) and a sonotrode (9) coupled to the ultrasonic oscillation generator (7), and a cooling device (5), which is individually associated with the oscillator arrangement (3). The cooling device (5) comprises at least one fan (27) for generating an air flow (35; 37). The cooling device (5) is connected, by means of a fluid communication connection (25), to the oscillator arrangement (3) in a region adjacent to the ultrasonic oscillation generator (7) in order to use the fan (27) to generate an air flow (35, 37) around and/or through the ultrasonic oscillation generator (7).

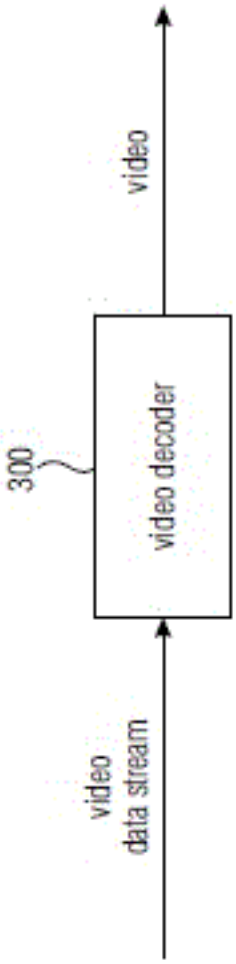


21: 2025/02275. 22: 2025/03/14. 43: 2026/01/07
51: H04N
71: DOLBY VIDEO COMPRESSION, LLC.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP 31: 20176178.0 32: 2020-05-22
33: EP 31: 20176206.9 32: 2020-05-22

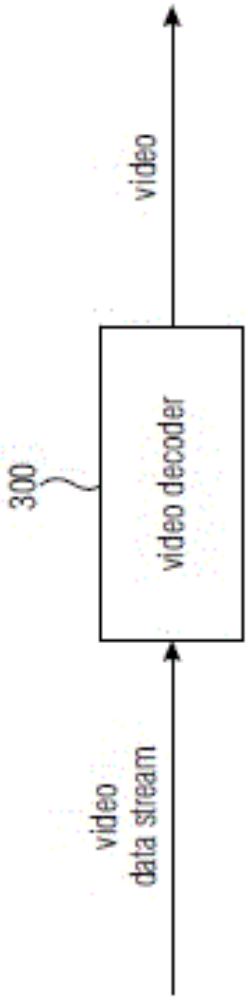
54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS

00: -

A video decoder (300), wherein the video decoder (300) is configured to decode a video of a video data stream, wherein the video data stream comprises an indication (general_same_pic_timing_in_all_ols_flag) indicating whether or not a non-scalable nested picture timing supplemental enhancement information message of a network abstraction layer unit of an access unit of the plurality of access units of a coded video sequence of a one or more coded video sequences of the video data stream is defined to apply to all output layer sets of a plurality of output layer sets of said access unit, wherein, if the indication (general_same_pic_timing_in_all_ols_flag) has a first value, then the non-scalable nested picture timing supplemental enhancement information message of said network abstraction layer unit of said access unit is defined to apply to all output layer sets of the plurality of output layer sets of said access unit, wherein, if the indication (general_same_pic_timing_in_all_ols_flag) has a value being different from the first value, then the indication does not define whether or not the non-scalable nested picture timing supplemental enhancement information message of said network abstraction layer unit of said access unit applies to all output layer sets of the plurality of output layer sets of said access unit, wherein the video decoder (300) is configured to decode the video depending on said indication, wherein, if the indication (general_same_pic_timing_in_all_ols_flag) has the first value, then for each network abstraction layer unit, which comprises a non-scalable nested picture timing supplemental enhancement information message, of each access unit of the plurality of access units of a coded video sequence of the one or more coded video sequences, said network abstraction layer does not comprise any other supplemental enhancement information message that is different from a picture timing supplemental enhancement information message, or does not comprise any other supplemental enhancement information message.

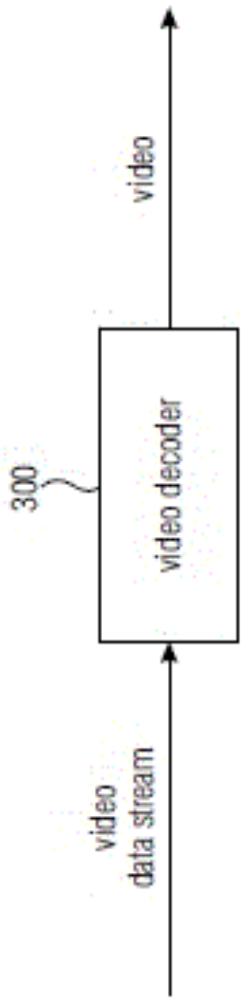


21: 2025/02276. 22: 2025/03/14. 43: 2026/01/07
51: H04N
71: DOLBY VIDEO COMPRESSION, LLC.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP 31: 20176178.0 32: 2020-05-22
33: EP 31: 20176206.9 32: 2020-05-22
54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS
00: -
A video data stream, wherein the video data stream has a video encoded thereinto, wherein the video data stream comprises an initial coded picture buffer removal delay, wherein the video data stream comprises an initial coded picture buffer removal offset, wherein the video data stream comprises information that indicates whether or not a sum of the initial coded picture buffer removal delay and the initial coded picture buffer removal offset is defined to be constant across two or more buffering periods.



21: 2025/02277. 22: 2025/03/14. 43: 2026/01/07
51: H04N
71: DOLBY VIDEO COMPRESSION, LLC.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP 31: 20176178.0 32: 2020-05-22
33: EP 31: 20176206.9 32: 2020-05-22
54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS
00: -
A video decoder (300), wherein the video decoder (300) is configured to decode a video of a video data stream, wherein the video data stream comprises

an indication (general_same_pic_timing_in_all_ols_flag) indicating whether or not a non-scalable nested picture timing supplemental enhancement information message of a network abstraction layer unit of an access unit of the plurality of access units of a coded video sequence of a one or more coded video sequences of the video data stream is defined to apply to all output layer sets of a plurality of output layer sets of said access unit, wherein, if the indication (general_same_pic_timing_in_all_ols_flag) has a first value, then the non-scalable nested picture timing supplemental enhancement information message of said network abstraction layer unit of said access unit is defined to apply to all output layer sets of the plurality of output layer sets of said access unit, wherein, if the indication (general_same_pic_timing_in_all_ols_flag) has a value being different from the first value, then the indication does not define whether or not the non-scalable nested picture timing supplemental enhancement information message of said network abstraction layer unit of said access unit applies to all output layer sets of the plurality of output layer sets of said access unit, wherein the video decoder (300) is configured to decode the video depending on said indication, wherein, if the indication has the first value, then all supplemental enhancement information messages have a same payload type.



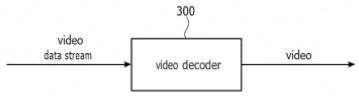
21: 2025/02278. 22: 2025/03/14. 43: 2026/01/07
51: H04N
71: DOLBY VIDEO COMPRESSION, LLC.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP 31: 20176178.0 32: 2020-05-22
33: EP 31: 20176206.9 32: 2020-05-22

54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS

00: -

A video decoder (300), wherein the video decoder (300) is configured to decode a video of a video data stream, wherein the video data stream comprises one or more scalable nested supplemental enhancement information messages, wherein the one or more scalable nested supplemental enhancement information messages comprise a

plurality of syntax elements, wherein each syntax element of one or more syntax elements of the plurality of syntax elements is defined to have a same size in every one of the scalable nested supplemental enhancement information messages of the video data stream or of a portion of the video data stream, wherein the video decoder (300) is configured to decode the video depending on the one or more syntax elements of the plurality of syntax elements, wherein said buffering period supplemental enhancement information message comprises, for defining the size for each syntax element of the one or more syntax elements of the plurality of syntax elements, at least a bp_cpb_initial_removal_delay_length_minus1 element.

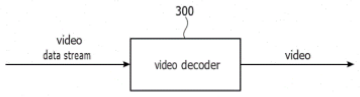


21: 2025/02279. 22: 2025/03/14. 43: 2026/01/07
51: H04N
71: DOLBY VIDEO COMPRESSION, LLC.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP 31: 20176178.0 32: 2020-05-22
33: EP 31: 20176206.9 32: 2020-05-22

54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS

00: -

A video decoder (300), wherein the video decoder (300) is configured to decode a video of a video data stream, wherein the video decoder (300) is configured to decode the video depending on an access unit removal time of a current picture of a plurality of pictures of the video from a coded picture buffer, wherein the video decoder (300) is configured to decode the video depending on an indication indicating whether or not to use coded picture buffer delay offset information for determining the access unit removal time of the current picture from the coded picture buffer, wherein the video decoder (300) is configured to determine whether or not to determine the access unit removal time of the current picture depending on a position of a previous non-discardable picture which precedes the current picture within the video.

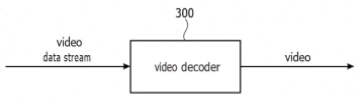


21: 2025/02280. 22: 2025/03/14. 43: 2026/01/07
51: H04N
71: DOLBY VIDEO COMPRESSION, LLC.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP 31: 20176178.0 32: 2020-05-22
33: EP 31: 20176206.9 32: 2020-05-22

54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS

00: -

A video decoder (300), wherein the video decoder (300) is configured to decode a video of a video data stream, wherein the video decoder (300) is configured to decode the video depending on an access unit removal time of a current picture of a plurality of pictures of the video from a coded picture buffer, wherein the video decoder (300) is configured to decode the video depending on an indication indicating whether or not to use coded picture buffer delay offset information for determining the access unit removal time of the current picture from the coded picture buffer, wherein the video decoder (300) is configured to determine the access unit removal ¬time of the current picture depending on initial coded picture buffer removal delay information.

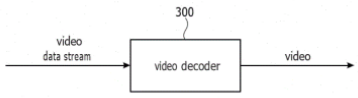


21: 2025/02281. 22: 2025/03/14. 43: 2026/01/07
51: H04N
71: DOLBY VIDEO COMPRESSION, LLC.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP 31: 20176178.0 32: 2020-05-22
33: EP 31: 20176206.9 32: 2020-05-22

54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS

00: -

A video decoder (300), wherein the video decoder (300) is configured to decode a video of a video data stream, wherein the video decoder (300) is configured to decode the video depending on an access unit removal time of a current picture of a plurality of pictures of the video from a coded picture buffer, wherein the video decoder (300) is configured to decode the video depending on an indication indicating whether or not to use coded picture buffer delay offset information for determining the access unit removal time of the current picture from the coded picture buffer, wherein the video decoder (300) is configured to determine the access unit removal time of the current picture depending on a removal time of a preceding picture.



21: 2025/02282. 22: 2025/03/14. 43: 2026/01/07

51: H04N

71: DOLBY VIDEO COMPRESSION, LLC.

72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas

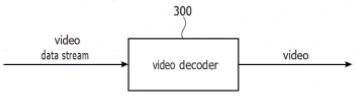
33: EP 31: 20176178.0 32: 2020-05-22

33: EP 31: 20176206.9 32: 2020-05-22

54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS

00: -

A video decoder (300), wherein the video decoder (300) is configured to decode a video of a video data stream, wherein the video data stream comprises one or more scalable nested supplemental enhancement information messages, wherein the one or more scalable nested supplemental enhancement information messages comprise a plurality of syntax elements, wherein each syntax element of one or more syntax elements of the plurality of syntax elements is defined to have a same size in every one of the scalable nested supplemental enhancement information messages of the video data stream or of a portion of the video data stream, wherein the video decoder (300) is configured to decode the video depending on the one or more syntax elements of the plurality of syntax elements, wherein said buffering period supplemental enhancement information message comprises, for defining the size for each syntax element of the one or more syntax elements of the plurality of syntax elements, at least one of: a bp_dpb_output_delay_length_minus1 element, a bp_dpb_output_delay_du_length_minus1 element.



21: 2025/02283. 22: 2025/03/14. 43: 2026/01/07

51: H04N

71: DOLBY VIDEO COMPRESSION, LLC.

72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas

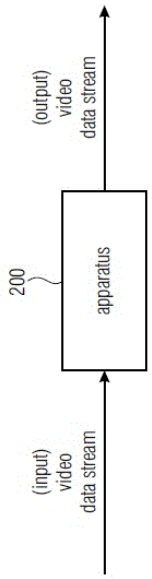
33: EP 31: 20176178.0 32: 2020-05-22

33: EP 31: 20176206.9 32: 2020-05-22

54: VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS

00: -

An apparatus (200) for receiving an input video data stream according to an embodiment is provided. The input video data stream has a video encoded thereinto. The apparatus (200) is configured to generate an output video data stream from the input video data stream.



21: 2025/02891. 22: 2025/04/04. 43: 2026/01/22
51: H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: GAN, JONATHAN, YU, YUE, YU, HAOPING
33: US 31: 63/266,765 32: 2022-01-13
33: US 31: 63/266,615 32: 2022-01-10
33: US 31: 63/266,616 32: 2022-01-10
54: SIGNALING GENERAL CONSTRAINTS INFORMATION FOR VIDEO CODING
00: -
A method for decoding a video by a video decoder, is disclosed. In some embodiments, the method comprises extracting a general constraints information (GCI) flag from a bitstream; determining that a general constraint is imposed for a process of decoding the bitstream based on a value of the GCI flag and in response thereto, extracting, from the bitstream, a value indicating a quantity of additional bits included in the bitstream, the additional bits comprising flag bits indicating respective additional coding configurations to be constrained for the video. Further steps include determining whether the value is greater than five and in response thereto, extracting, from the bitstream, six flag bits representing six respective flags indicating respective constraints for six additional coding configurations; and decoding a remaining portion of the bitstream based upon the constraints for the six additional coding configurations indicated by the six flags.

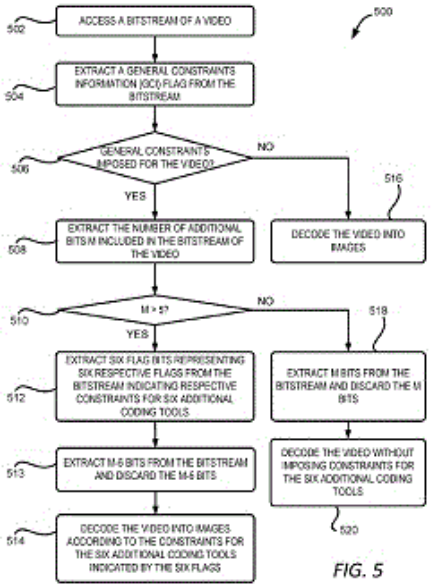


FIG. 5

21: 2025/02940. 22: 2025/04/07. 43: 2025/12/10
51: B01D; E03B
71: UNIVERSITY OF SOUTH AFRICA
72: SNYMAN, Lukas Willem
33: ZA 31: 2022/10435 32: 2022-09-21
54: A SYSTEM FOR GENERATING LIQUID WATER FROM AIR
00: -
The present disclosure relates to a system for generating liquid water from air. The system includes an air current generating device and a body which allows a current of air from the air current generating device to flow therethrough. The body comprising a constricted portion through which the current of air passes from an inlet hereof to an outlet thereof, wherein cooled air that is at a temperature that is substantially at a dew point temperature of air is discharged at the outlet of the constricted portion thereby causing water in the air to condensate from the cooled air. A portion of the energy required to cool down the air is fed back to the input, requiring less energy to cool down air in subsequent cycles of air.

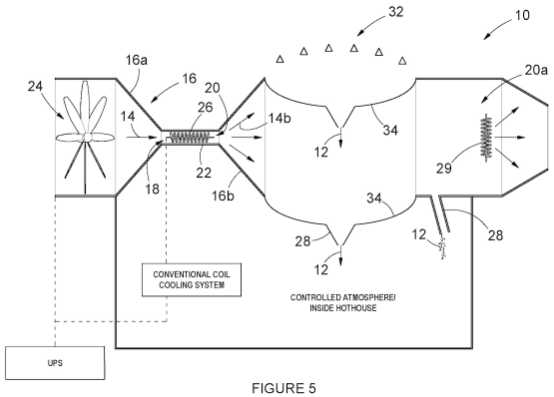
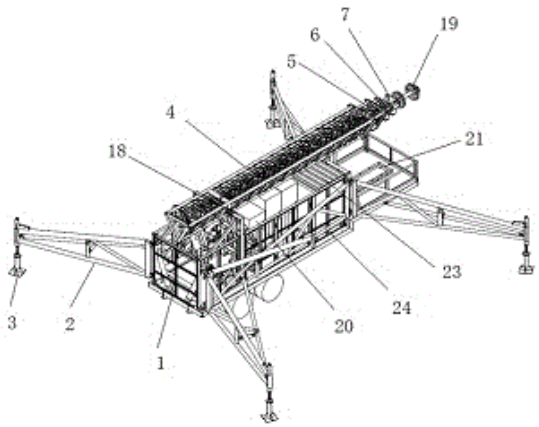
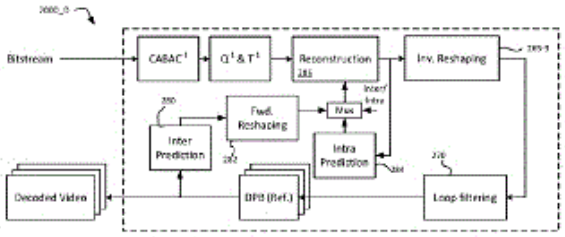


FIGURE 5

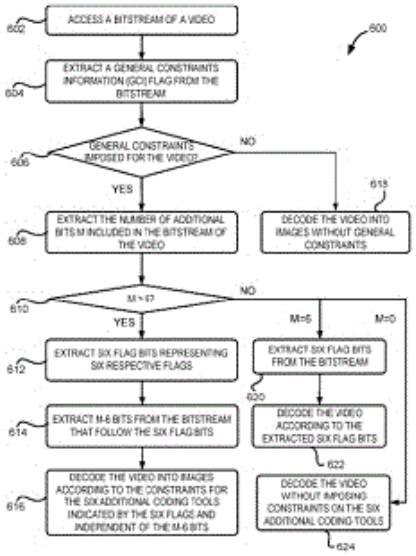
21: 2025/03541. 22: 2025/04/25. 43: 2026/01/08
51: E04H
71: ZHEJIANG DEBAO COMMUNICATION TECHNOLOGIES CO., LTD
72: ZHANG, PING, CHEN, JIANMING, CHEN, YONGJUN, CHEN, JIANGQI, CHEN, YU, ZANG, WUJINGTAO, ZHANG, QIHANG, YING, WEIZHI, HE, SIQI
33: CN 31: 2024232104145 32: 2024-12-25
54: VEHICLE-MOUNTED MOBILE LIFTING TOWER
00: -
The disclosure relates to a vehicle-mounted mobile lifting tower, which solves the problems of high time and labor consumption and high costs caused by temporary construction of a communication tower in a scenario where temporary communication support is needed. A tower is erected on a vehicle frame of the vehicle-mounted mobile lifting tower and includes a telescopic tower body with a plurality of tower sections. The tower sections include a first tower section, a second tower section, a third tower section and other tower sections which are sequentially arranged from bottom to top and from outside to inside. A rotating shaft is horizontally arranged on the vehicle frame. A lower portion of the first tower section is rotatably disposed around the rotating shaft. A swing motor for driving the tower body to swing to be erected up or laid down is arranged on the vehicle frame, and the swing motor drives the tower body to swing by means of a swing steel cable. A lifting motor for driving the tower sections to stretch and retract is fixed to the first tower section, and the lifting motor drives the tower sections to stretch and retract by means of a lifting steel cable. By adopting the vehicle-mounted mobile lifting tower, a communication tower may be constructed within a short time, and the construction speed is high; and the vehicle-mounted mobile lifting tower has good flexibility and may be quickly transferred between different spaces.



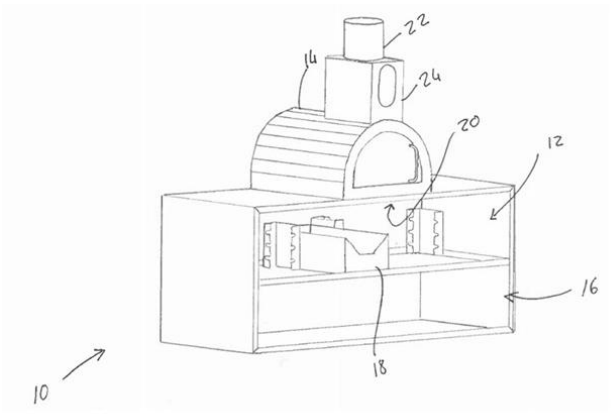
21: 2025/03632. 22: 2025/04/29. 43: 2026/01/21
51: H04N
71: DOLBY LABORATORIES LICENSING CORPORATION
72: YIN, PENG, PU, FANGJUN, LU, TAORAN, CHEN, TAO, HUSAK, WALTER J, MCCARTHY, SEAN THOMAS
33: US 31: 62/782,659 32: 2018-12-20
33: US 31: 62/772,228 32: 2018-11-28
33: US 31: 62/792,122 32: 2019-01-14
33: US 31: 62/630,385 32: 2018-02-14
33: US 31: 62/691,366 32: 2018-06-28
33: US 31: 62/739,402 32: 2018-10-01
33: US 31: 62/726,608 32: 2018-09-04
54: `IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION
00: -
Given a sequence of images in a first codeword representation, methods, processes, and systems are presented for image reshaping using rate distortion optimization, wherein reshaping allows the images to be coded in a second codeword representation which allows more efficient compression than using the first codeword representation. Syntax methods for signaling reshaping parameters are also presented.



21: 2025/03822. 22: 2025/05/06. 43: 2026/01/21
51: H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: GAN, JONATHAN, YU, YUE, YU, HAOPING
33: US 31: 63/266,615 32: 2022-01-10
33: US 31: 63/266,616 32: 2022-01-10
33: US 31: 63/266,765 32: 2022-01-13
54: SIGNALING GENERAL CONSTRAINTS INFORMATION FOR VIDEO CODING
00: -
In some embodiments, a video decoder decodes a video from a bitstream of the video. The video decoder extracts, from the bitstream of the video, an additional bit count M indicating a quantity of additional general constraints information (GCI) bits included in the bitstream of the video. The additional bits include flag bits indicating respective additional coding tools to be constrained for the video, and an expected value of the additional bit count is either 0 or 6. The decoder extracts M-6 bits that follow six flag bits in the bitstream in response to determining that the extracted additional bit count M is greater than 6. The decoder further decodes the remaining portion of the bitstream into images independent of the extracted M-6 bits and based, at least in part, upon constraints specified for the respective additional coding tools by the six flag bits.



21: 2025/03864. 22: 2025/05/07. 43: 2026/01/27
51: A47J
71: PHILLIPS, Charles, Taylor
72: PHILLIPS, Charles, Taylor
33: ZA 31: 2023/07762 32: 2024-02-08
54: A COOKING DEVICE
00: -
A cooking device which includes a first cooking zone and a second cooking zone arranged upper and substantially vertically aligned the first cooking zone, wherein the first and second cooking zones are arranged in fluid flow communication with one another to allow, in use, the flow of heated gases from the first cooking zone to the second cooking zone.



21: 2025/03924. 22: 2025/05/08. 43: 2026/01/26
51: C22B

71: CHENGDU ADVANCED METAL MATERIALS INDUSTRY TECHNOLOGY RESEARCH INSTITUTE CO., LTD.
72: LIU, Bo, LI, Wenjing, YAO, Jie, WANG, Chao
33: CN 31: 202311343868.7 32: 2023-10-17
54: METHOD FOR SEPARATING VANADIUM AND CHROMIUM IN VANADIUM-CHROMIUM SOLUTION
00: -
A method for separating vanadium from chromium in a vanadium-chromium solution, belonging to the field of wet separation of vanadium-chromium solutions, and used for solving the problem in the prior art that deep separation of vanadium from chromium cannot be achieved. The method comprises: first adding a reducing agent to a chromium-vanadium solution, so as to convert hexavalent chromate anions of extremely high solubility into low-valency Cr3+ cations that are prone to precipitate; and then adding a chromium-removing agent containing Mn2+, so as to efficiently precipitate trivalent chromium ions in the vanadium containing solution, thereby achieving deep separation of vanadium from chromium in a liquid phase. Compared with traditional chemical precipitation methods, the vanadium-chromium separation method has advantages such as a high separation coefficient, involving a simple process that is easy to use and a low equipment requirement, and being convenient to operate and suitable for industrial production.

21: 2025/03939. 22: 2025/05/08. 43: 2026/01/28
51: B21D; B23K; F28D
71: Westinghouse Electric Company LLC
72: GROSS, David M., STANISH, Adana L.
33: US 31: 18/049,526 32: 2022-10-25
54: HEAT PIPE WICK BONDING THROUGH CRIMPING
00: -
A method of forming a wick assembly is disclosed including positioning an inner ring in a first wick, positioning the inner ring in a second wick, abutting an end of the first wick with an end of the second wick, positioning an outer ring about a portion of the first wick and a portion of the second wick, positioning a mandrel within the inner ring, positioning a die about the outer ring, and applying a force to the die, wherein the force couples the outer ring, the inner ring, the first wick, and the second wick together to form the wick assembly.

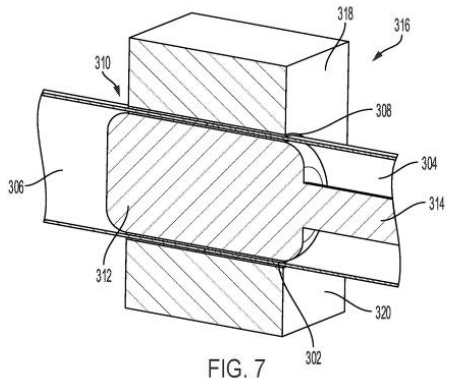
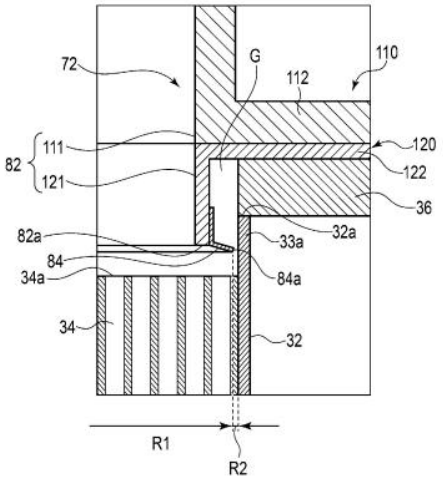
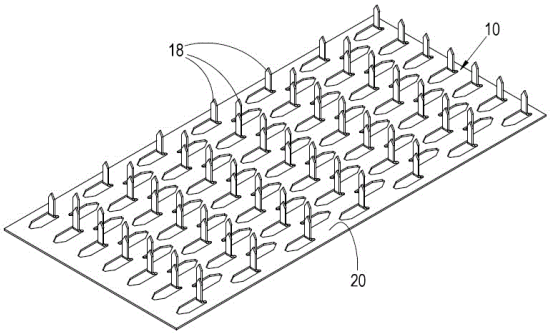


FIG. 7

21: 2025/03963. 22: 2025/05/09. 43: 2026/01/27
51: B01J; B05C
71: Cataler Corporation
72: OHARA, Etsuko, MORITA, Ryoma, KUWAHARA, Takashi
33: JP 31: 2022-198669 32: 2022-12-13
54: TOOL FOR CATALYST COATING APPARATUS, AND CATALYST COATINGAPPARATUS
00: -
A tool for a catalyst applicator for applying a catalyst to the metallic honeycomb base of an exhaust gas purification catalyst, the tool having a cylindrical partition member which is flexible and being inserted into a metallic outer cylinder which has a longer axial length than the honeycomb base. The tool is used when applying a catalyst slurry containing a catalyst metal to the honeycomb base supported by the outer cylinder in such a state that the axial direction thereof is vertical. The partition member is disposed so that the outer circumferential surface thereof faces the inner circumferential surface of an outer-cylinder extension, which is a portion of the outer cylinder that protrudes upward from the upper end surface of the honeycomb base. The partition member is disposed so that the lower end thereof is near to the upper end surface of the honeycomb base in order to inhibit the catalyst slurry from coming into contact with the inner circumferential surface of the outer-cylinder extension, when the catalyst slurry is supplied to the upper end surface of the honeycomb base and to the inside of the inner circumferential surface of the partition member.



21: 2025/03975. 22: 2025/05/12. 43: 2026/01/27
51: B29B; B29C; B29D
71: NIEUWENHUYS, Kathleen, STEENBERG, Willem Frederick
72: NIEUWENHUYS, Kathleen, STEENBERG, Willem Frederick
33: ZA 31: 2024/03595 32: 2024-05-10
54: REINFORCED POLYMER CONNECTOR PLATE AND RELATED METHOD OF MANUFACTURE
00: -
According to a first aspect of the invention, there is provided a polymer connector plate, and in particular a fibre reinforced polymer connector plate, the connector plate comprising a polymer connector plate base; and a plurality of polymer legs extending from the plate base. According to a second aspect of the invention, there is provided a method of manufacturing a polymer connector plate, the method comprising extruding raw plastic polymer material, typically comprising fibre reinforced polymer pellets, to define the polymer connector plate defined above. According to a third aspect of the first embodiment of the invention, there is provided an apparatus for manufacturing a polymer connector plate, and in particular a fibre reinforced polymer connector plate, the apparatus comprising an injection moulding apparatus.



21: 2025/04002. 22: 2025/04/30. 43: 2026/01/27
51: C03C
71: ARKEMA INC.
72: RIVILLON, Sandrine Nathalie, DESPOTOPOULOU, Marina, SMITH, Ryan Christopher, PALYS, Leonard, H.
33: US 31: 63/421,279 32: 2022-11-01
54: HOT END METAL OXIDE COATINGS FOR GLASS SUBSTRATES AND CONTAINERS
00: -
A method of coating a glass substrate with a hot end coating is provided. The method comprises a step of applying an aqueous dispersion including particles of a metal hydroxide composition onto a surface of the glass substrate to form a hot end coating on the glass substrate. The glass surface has a temperature of from about 450°C to about 1000°C when the aqueous dispersion is applied thereto. After application, the hot end coating includes oxide(s) of the metal or combinations thereof. A coated glass article is also provided. The coating on the glass article includes at least one of Group 3 A oxides, Group 4A oxides, or combinations thereof; preferably TiO2, TiO, Ti2O3, TizOa (0<z≤2 and 0<a≤3), ZrO2, ZrbOc (0<b≤1 and 0<c≤2), Al2O3, Al2O, AlO, AlxOy (0<x≤2 and 0<y≤3) or combinations thereof; more preferably Al2O3, Al2O, AlO, AlxOy (0<x≤2 and 0<y≤3) or combinations thereof.

21: 2025/04003. 22: 2025/05/07. 43: 2026/01/27
51: A61K; C07K; A61P
71: BEIJING VJTBIO CO., LTD.
72: LUO, Haoshu, ZHANG, Jiawei, SHI, Lei, HAN, Guo
33: CN 31: 202211376492.5 32: 2022-11-04
54: USE OF GNRH ANTAGONIST IN REGULATION AND CONTROL OF ESTRUS OF MAMMAL
00: -

The present invention relates to the field of mammalian reproduction. Disclosed is use of a GnRH antagonist in the regulation and control of estrus of a mammal. The GnRH antagonist can inhibit oestrus for a longer time with less frequent use, and can be used for estrus synchronization and batch reproduction of livestock husbandry animals or regulation and control of estus of pets.

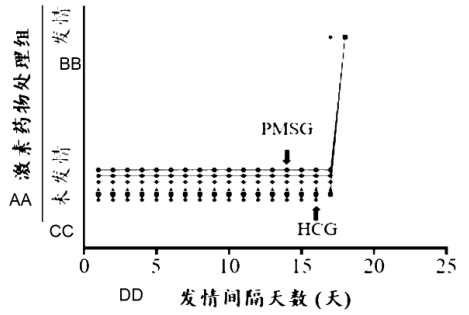
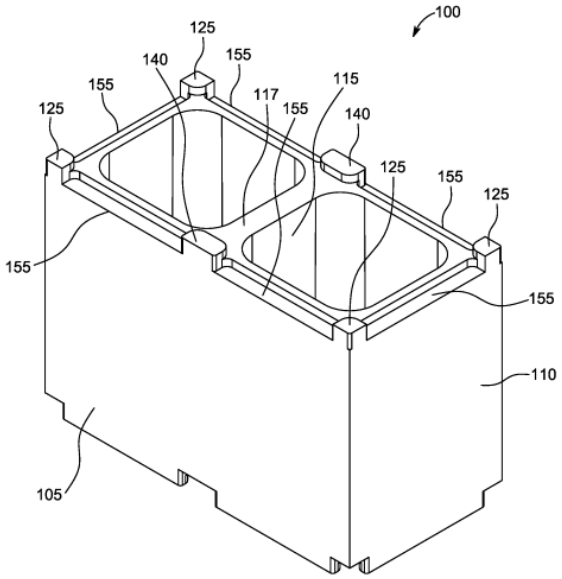


图 1

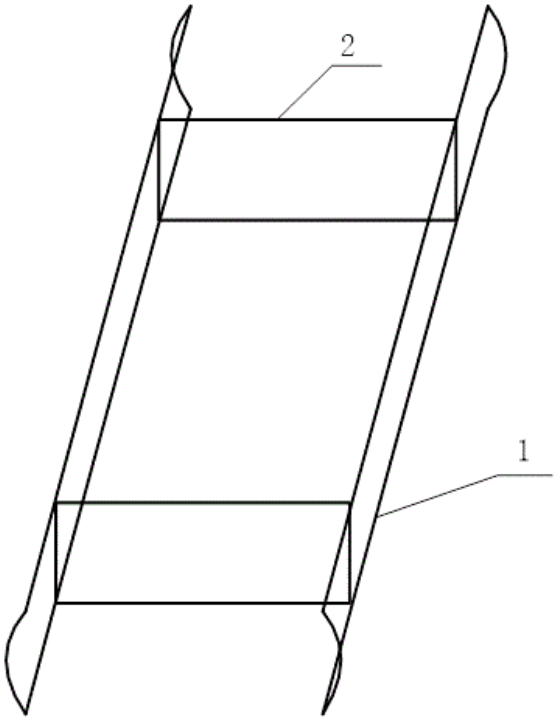
AA Hormone drug treatment group
BB In estrus
CC Not in estrus
DD Days between estrus (day)

21: 2025/04004. 22: 2025/05/07. 43: 2026/01/27
51: E04B; E04C
71: MOXIETEC, LLC
72: MOHEBBI, Abolfazl, JORDAN, Donald
33: US 31: 63/379,491 32: 2022-10-14
54: LOCKING BLOCKS AND METHODS OF USING SAME
00: -
Disclosed herein is a product and methods of using that product for constructing walls and other structures. The product is a locking block that is designed for use in building walls and other structures quickly and inexpensively. The locking blocks are fabricated from polymers to form a robust physical structure that resists damage and provides for a relatively clean work space during assembly. The locking blocks include matching male and female features that reversibly secure the blocks together and are self-aligning to guide workmen on block placement during assembly. The design of the blocks eliminates the need to apply mortar or other adhesive methods to secure the blocks together, which greatly reduces labor costs as compared to typical construction products and methods. Because no mortar or other adhesive is used, the blocks can be efficiently and effectively disassembled and reused.

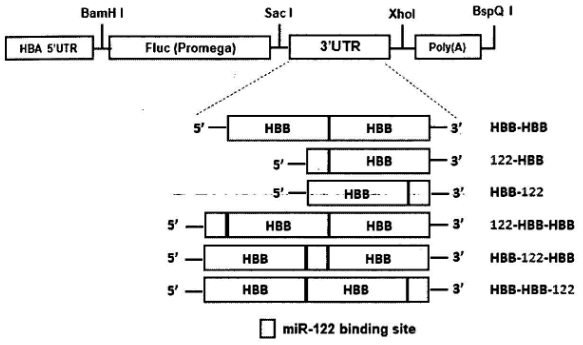


21: 2025/04009. 22: 2025/05/12. 43: 2026/01/27
51: D06B
71: INNER MONGOLIA KING DEER CASHMERE CO., LTD
72: Jiancheng Qiao, Bin Yang, Hui Ding, Xinquan Wang, Jianli Guo, Shouming Zhang
33: CN 31: 2024111331891 32: 2024-08-19
54: ANTI-FELTING DEVICE, DYEING VESSEL, AND DYEING METHOD FOR DYEING CASHMERE YARNS IN SAMPLE DYEING MACHINE
00: -
The present invention discloses an anti-felting device for dyeing cashmere yarns in a sample dyeing machine, including: two outer frames and a plurality of inner frames, where each of the plurality of inner frames is formed by four horizontal rods connected end-to-end to form a rectangle, with the two outer frames respectively connected to both sides of the plurality of inner frames; and each of the outer frames includes: two vertical rods and two curved rods, where the two vertical rods are parallel to each other, the curved rods are parallel to each other and bent outward, and both ends of the vertical rods are respectively connected to ends of the two curved rods. The present invention further discloses a dyeing vessel and a dyeing method for dyeing cashmere yarns in a sample dyeing machine. The present invention enables cashmere fibers to

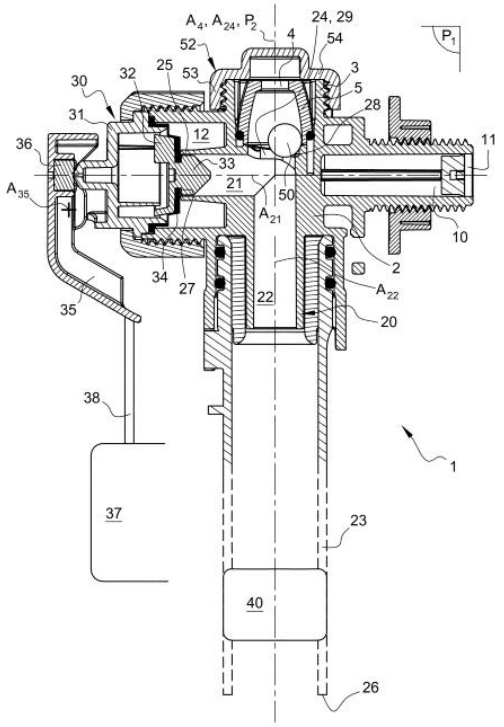
uniformly absorb dye liquor at a specified rotational speed, thereby preventing felting during a dyeing process.



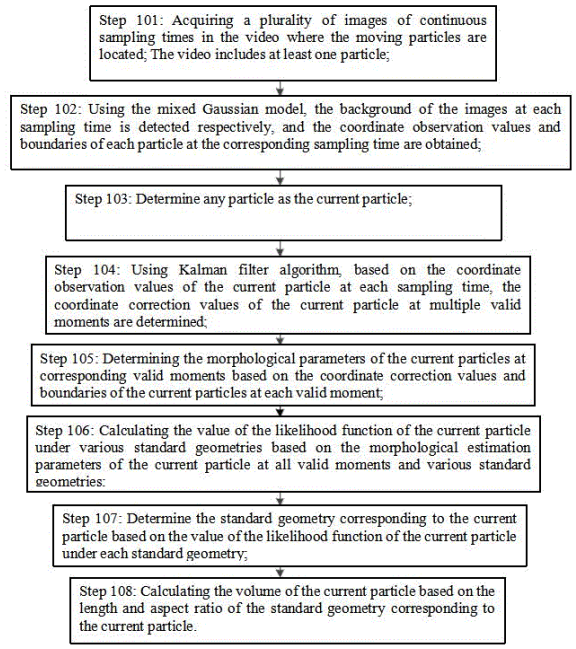
21: 2025/04014. 22: 2025/05/12. 43: 2026/01/27
51: A61K; A61P; C12N
71: Beijing Neocurna Biotechnology Corporation, Neocura Bio-Medical Technology Co., Ltd, Shenzhen Neocurna Biotechnology Corporation
72: PAN, Youdong, QIAN, Lu, XUE, Yijue, ZHU, Ren, WAN, Ji, ZHAO, Zhao, WANG, Yi
33: CN 31: 202211329780.5 32: 2022-10-27
54: MRNA DRUG THAT IS LESS EXPRESSED IN LIVER AFTER BEING DELIVERED TO BODY AND PREPARATION METHOD THEREFOR
00: -
An mRNA drug, which reduces expression in the liver after being delivered to the body, and a preparation method therefor. The preparation method comprises: establishing double 3'UTR in a target mRNA, and introducing a miR-122 binding site between the double 3'UTR, so as to effectively reduce the expression of the mRNA drug, which is delivered by means of LNP, in the liver, thereby realizing a specific inhibitory effect of miR-122 while retaining an enhancement effect of miR-122 on mRNA stability and translation efficiency. The mRNA drug can effectively reduce the expression of mRNA in the liver, realizing the efficient expression of the mRNA drug in non-hepatocellular targeted cells or tissues and increasing the effective non-hepatocyte tropism of the mRNA drug.



21: 2025/04021. 22: 2025/05/12. 43: 2026/01/28
51: E03D; F16K
71: SIAMP CEDAP
72: MARNAS, Stéphane, PLAS, Olivier
33: FR 31: 22/11497 32: 2022-11-04
54: WATER INLET SYSTEM IN A TOILET CISTERN
00: -
The invention relates to a water inlet system (1) which comprises: - a body (2) provided with an air intake port (4); - a first pipe (10) connected to a water mains; - a second pipe (20) in communication with the first pipe via an opening (27) and comprising a channel (24) located vertically aligned with the air intake port (4); - a valve (32) which can seal the opening (27); - a seal (50) movable between a low position, in which it rests on the channel, and a high position, in which it seals the air intake port; and - a device for modifying the flow (40), downstream of the channel, creating a back pressure. The seal has a density greater than 1.4, which prevents it from floating. It is moved towards its high position by the back pressure.

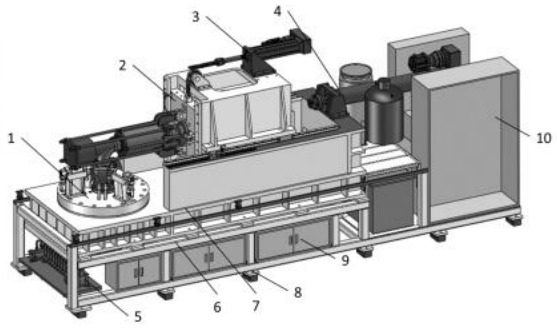


21: 2025/04036. 22: 2025/05/13. 43: 2026/01/28
51: G01N
71: Beihang University
72: Bu Xueqin, Liu Zonghui, Yu Jia, Lin Guiping, Jin Haichuan
33: CN 31: 2024105915373 32: 2024-05-14
54: A METHOD, DEVICE, MEDIUM AND PRODUCT FOR CALCULATING THE VOLUME OF IRREGULAR PARTICLES
00: -
The invention disclose a method, device, medium and product for calculating the volume of irregular particles, and relates to the technical field of volume calculation. Using the mixed Gaussian model, the background of the image at each sampling time is detected to obtain the coordinate observation value and boundary of each particle at the corresponding sampling time. For any particle: based on the coordinate observation values at each sampling time, coordinate correction values at multiple valid moments are determined; Determining the morphological parameters of the corresponding valid moment based on the coordinate correction values and boundaries of each valid moment; Based on the morphological estimation parameters of all valid moments and various standard geometries, the values of likelihood functions under each standard geometry are calculated; Based on the value of likelihood function under each standard geometry, the standard geometry corresponding to the particle is determined, so as to calculate the volume. The invention improves the calculation accuracy of irregular particle volume.



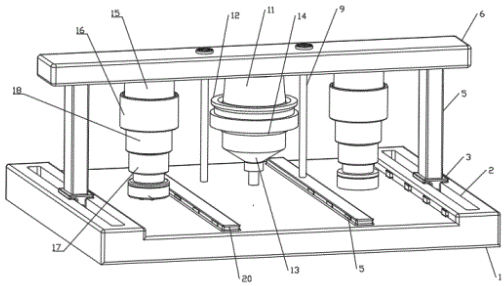
21: 2025/04037. 22: 2025/05/13. 43: 2026/01/28
51: G01M
71: No. 719 Research Institute of China State Shipbuilding Corporation Limited, Wuhan Haiwang Technologies Co., Ltd.
72: ZHAO Bo, JIANG Shiliang, WANG Shuai, LEI Jiayuan, BAI Qiang, CHEN Zheng
33: CN 31: 202410825605.8 32: 2024-06-25
54: AUTOMATIC INSPECTION TOOLING FOR FACTORY PRESSURE TESTING OF EXPANSION JOINT
00: -
An automatic inspection tooling for factory pressure testing of an expansion joint is provided according to an embodiment of the disclosure, including a circular flange clamping and sealing mechanism located at a head of the automatic inspection tool, a square flange clamping and sealing mechanism connected to a rear of the circular flange clamping and sealing mechanism, a center height adjustment mechanism connected to an upper portion of the square flange clamping and sealing mechanism, a static stiffness detection mechanism installed at a center of a rear of the automatic inspection tool, and a base located

below the circular flange clamping and sealing mechanism, wherein the circular flange clamping and sealing mechanism comprises a three-jaw puller tool structure and a centering mechanism; wherein the three-jaw puller tool structure is able to clamp and seal an expansion joint synchronously in a condition that a concentricity is maintained; the centering mechanism is used to fix a position of the expansion joint in an inspection state relative to a sealing disk. The automatic inspection tooling for factory pressure testing of the expansion joint according to an embodiment of the disclosure can stably clamp the expansion joint required for testing. A sealing structure of the automatic inspection tooling is more ameliorated.



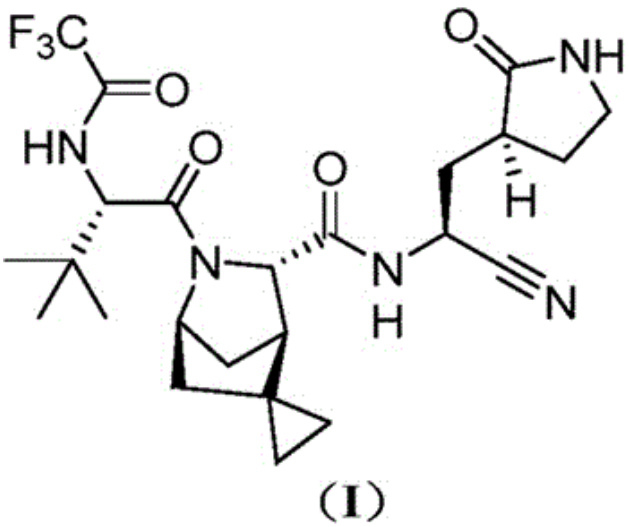
21: 2025/04038. 22: 2025/05/13. 43: 2026/01/28
51: G06F
71: Avinash Pamisetty, Pallav Kumar Kaulwar, Harish Kumar Sriram, Srinivasa Rao Challa, Anil Lokesh Gadi, Srinivas Kalyan Yellanki, Dwaraka Nath Kummari, Goutham Kumar Sheelam, Shabrinath Motamary, Raviteja Meda
72: Avinash Pamisetty, Pallav Kumar Kaulwar, Harish Kumar Sriram, Srinivasa Rao Challa, Anil Lokesh Gadi, Srinivas Kalyan Yellanki, Dwaraka Nath Kummari, Goutham Kumar Sheelam, Shabrinath Motamary, Raviteja Meda
54: AI-DRIVEN DATA INTEGRATION SYSTEM FOR REAL-TIME CLOUD COMPUTING ENVIRONMENTS
00: -
An AI-driven data integration system for real-time cloud computing environments is disclosed. The system utilizes artificial intelligence agents to dynamically ingest, harmonize, transform, and integrate heterogeneous data sources across distributed cloud infrastructures. It employs schema matching, semantic alignment, and predictive pipeline optimization using reinforcement learning to ensure efficient, context-aware, and scalable data processing. The system further includes modules for data lineage, quality control, and regulatory compliance, enabling intelligent data unification and real-time analytics in hybrid and multi-cloud environments.

21: 2025/04041. 22: 2025/05/13. 43: 2026/01/28
51: B23P
71: Shandong Huayu University of Technology
72: Xiao Yu, Qingyao Tan
54: INTEGRATED PROCESSING DEVICE FOR ULTRASONIC MILLING AND ULTRASONIC ROLLING
00: -
Integrated processing device for ultrasonic milling and ultrasonic rolling includes a machining bottom plate, and the machining bottom plate is opened at a top thereof with a guide groove, and a moving base is slidably connected in the guide groove; support arms are connected to a top of the moving base, a workpiece plate is connected between the top ends of the support arms, and an ultrasonic milling assembly is connected to a middle portion of the bottom end of the workpiece plate, and an ultrasonic rolling assembly is symmetrically connected to both sides of the bottom end of the workpiece plate, and a liquid guide tube is further provided between the ultrasonic rolling assembly and the ultrasonic milling assembly and connected to the bottom portion of the workpiece plate, and a liquid guide port is formed on the liquid guide tube toward one end of the ultrasonic milling assembly. An advantage of the present invention over the prior art is to provide an integrated ultrasonic milling and ultrasonic rolling machining apparatus for multi-functional applications that can perform multiple ultrasonic machining processes on a workpiece.



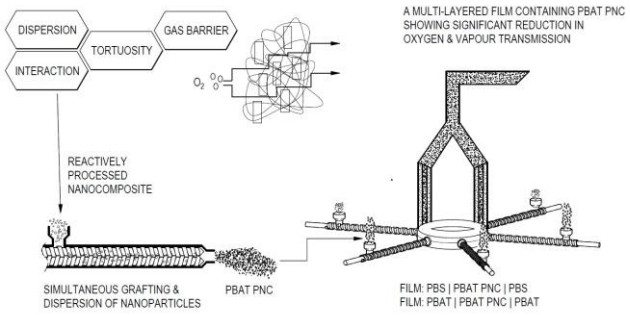
21: 2025/04063. 22: 2025/05/13. 43: 2026/01/28

51: C07K; A61K; A61P
71: FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.
72: YANG, YAXUN, ZHANG, JIANCHEN, LI, PENG, HE, HAIYING, CHEN, SHUHUI
33: CN 31: 202211263972.0 32: 2022-10-14
54: CRYSTAL FORM OF CYANO-SUBSTITUTED POLYPEPTIDE COMPOUND AND PREPARATION METHOD THEREFOR
00: -
Disclosed in the present invention are a crystal form of a cyano-substituted polypeptide compound and a preparation method therefor. Specifically disclosed are a crystal form of the compound of formula (I) and a preparation method therefor.

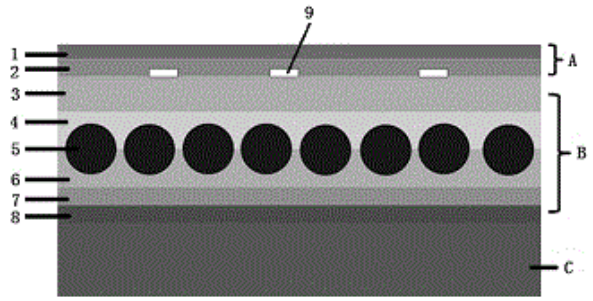


(I)

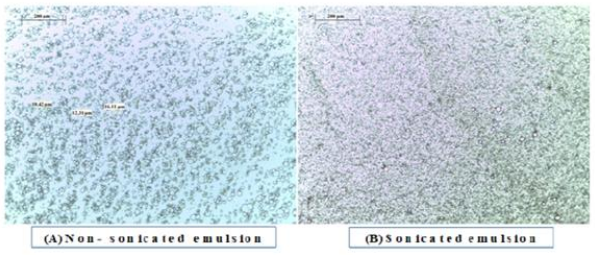
21: 2025/04067. 22: 2025/05/13. 43: 2026/02/06
51: B29B; B29C; B32B; C08J
71: COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH
72: BANDYOPADHYAY, Jayita, BOTLHOKO, Orebotse Joseph, MEKOA, Raphaahle, LEKALAKALA, Rakgoshi, SIHNA RAY, Suprakas
33: ZA 31: 2022/11707 32: 2022-10-27
54: MULTI-LAYERED BIODEGRADABLE POLYMER NANOCOMPOSITE-BASED FILM
00: -
The present invention provides a preparation method for biodegradable polymer nanocomposite films with superior gas barrier, tensile properties, and dimensional stability at the retort temperature. The method involves utilizing a one-step-reactive compounding process to achieve improved interaction between a biodegradable polymer and nanoparticles, including layered silicate type nanoclay and Metal Organic Framework (MOF). The resulting nanocomposite films exhibit excellent gas barrier properties, as well as enhanced tensile strength and dimensional stability at the retort temperature. Various biodegradable polymers, such as PBAT, PLA, PHA, PBS, PCL, and PHBV, can be used as the supportive outer layers in the nanocomposite films, providing versatility in applications. The one-step-reactive compounding method offers an economical and environmentally friendly approach for the preparation of these advanced biodegradable polymer nanocomposite films.



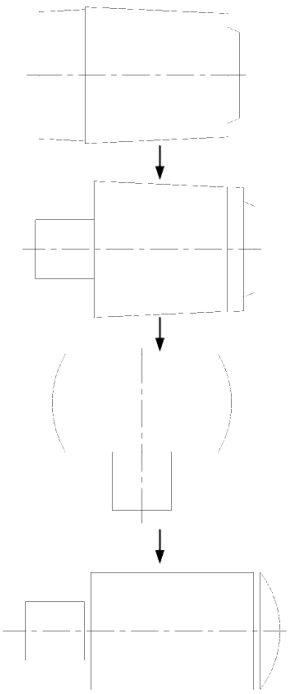
21: 2025/04093. 22: 2025/05/14. 43: 2026/01/28
51: B32B; B60R; B44C
71: NIPPON CARBIDE INDUSTRIES (HANGZHOU) CO., LTD.
72: JIANG, JIHUI, XIAO, YUETANG
33: CN 31: 202410240315.7 32: 2024-03-01
54: LAMINATE FOR VEHICLE LICENSE PLATE
00: -
The present disclosure relates to a laminate for a vehicle license plate. The laminate comprises: a protective layer, a reflection material layer, and a metal substrate layer in this order, wherein the protective layer comprises a transparent resin layer having a thickness of 0.5 to 20 μm and an adhesive layer having a thickness of 0.5 to 20 μm, and the adhesive layer comprises a hot-melt adhesive having a melting point of 110°C to 250°C.



21: 2025/04114. 22: 2025/05/15. 43: 2026/01/28
51: A01N; A01P
71: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
72: YADAV, Narayan Prasad, ADE, Megha, SINGH, Vandana, SAHOO, Debasish
33: IN 31: 202411038351 32: 2024-05-15
54: FENNEL OIL LOADED POLYMERIC BEAD FORMULATION FOR INSECTICIDAL ACTIVITY AND PROCESS OF PREPARATION THEREOF
00: -
The present work discloses polymeric bead formulation and process for preparation the same. The polymeric bead formulation comprise fennel oil as a extended release system for insecticidal activity against *Aedes agypti*, *Anopheles stephensi*, and wild mosquito larvae. This study was carried out by emulsifying fennel oil in an aqueous sodium alginate solution blended with HPMC and the fabrication of beads was then followed by an ionotropic gelation method using $CaCl_2$ as a cross-linker. The *in-vivo* larvicidal bioassay showed that the fennel oil-loaded polymeric beads resulted in 100% mortality of *Aedes agypti, Anopheles stephensi*, and wild mosquito larvae within 24 hours. These results confirm that the fennel oil-loaded polymeric beads exhibited good entrapment efficiency, extended release property, and excellent insecticidal activity.

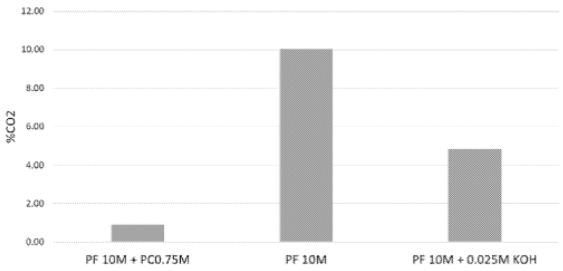


21: 2025/04132. 22: 2025/05/15. 43: 2026/01/29
51: B21J
71: CHINA FIRST HEAVY INDUSTRIES
72: LIU, Kaiquan, ZHOU, Yan, LIU, Jingjie, LI, Xingbo, XU, Sihai
33: CN 31: 202311105278.0 32: 2023-08-30
54: FORGING METHOD FOR LOWER ANVIL BLOCK FORGING OF HYDRAULIC PILE HAMMER
00: -
A forging method for a lower anvil block forging of a hydraulic pile hammer, used for solving the problem in the prior that in-die forging and out-of-die forging cannot be conducted for ultra-large lower anvil block forgings having diameters exceeding 7.5 m. The method comprises: providing a cylindrical billet, providing a lower surface internal circular boss at one end of the cylindrical billet, turning the cylindrical billet, providing an upper surface internal circular boss at the other end of the cylindrical billet, and providing steps around the upper surface internal circular boss; using a contour hammer head to perform profile forging at the stepped position to obtain a lower anvil block forging billet; and using a profile hammer to forge an out-of-die forging reserved area of the lower anvil block forging billet to obtain a lower anvil block forging.

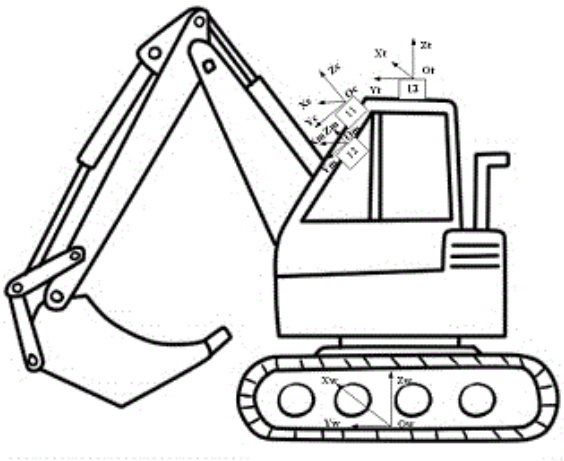


21: 2025/04136. 22: 2025/05/15. 43: 2026/01/29
51: B01J; C01B; H01M
71: HYDRO X LTD

72: ZIV, Asa, GOLAN, Eviatar, GIVANT, Ariel, ELFASSY, Eitan, GONEN, Shmuel, NESHER, Guy, TZABARI, Daniel
33: US 31: 63/426,461 32: 2022-11-18
33: US 31: 63/498,128 32: 2023-04-25
54: CONTINUOUS REACTORS OF FORMATE-BICARBONATE CYCLE FOR HYDROGEN STORAGE AND RELEASE
00: -
A continuous process for releasing hydrogen using the dehydrogenation reaction of the formate - bicarbonate cycle, comprising continuously feeding an aqueous solution of formate and a heterogeneous catalyst to a dehydrogenation reactor to form bicarbonate and hydrogen, directing the hydrogen for use as a fuel hydrogen, removing a flowable effluent continuously from the dehydrogenation reactor at a rate equal to the feeding rate, and directing the effluent into a product tank, discharging a material from the product tank and separating the catalyst from the material, washing and refreshing the catalyst and returning the refreshed catalyst to the dehydrogenation reactor, wherein bicarbonate is collected in a solid form from the product tank.

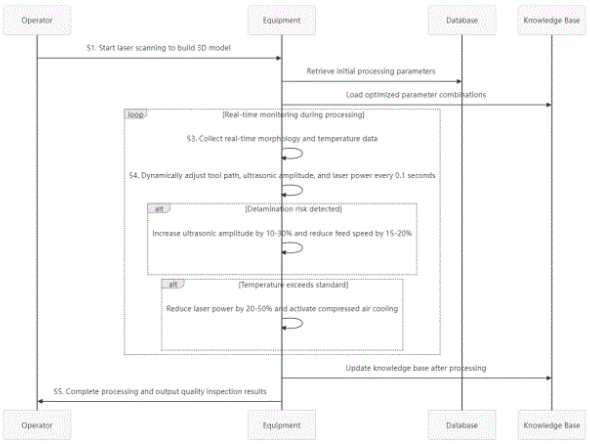


21: 2025/04212. 22: 2025/05/16. 43: 2026/01/29
51: G06V
71: JIANGSU XCMG STATE KEY LABORATORY TECHNOLOGY CO., LTD.
72: SHI, WENJIE, LIU, JIAN, ZHANG, JIAN
33: CN 31: 202410220047.2 32: 2024-02-27
54: SEMANTIC SEGMENTATION METHOD, DEVICE AND SYSTEM AND EXCAVATOR
00: -
The present disclosure provides a semantic segmentation method, device and system and an excavator, and relates to the field of intellectualization and automation of construction machinery. The semantic segmentation method comprises: obtaining image information and radar point cloud information of a working environment; determining a first feature representation of the image information; determining a second feature representation of the marker information of a target in the radar point cloud information based on the image information and the marker information of the target; and fusing the first feature representation of the image information with the second feature representation of the marker information of the target to segment the target in the image information. In the present disclosure, by comprehensively detecting the multi-dimensional sensing information such as an image and a radar of the working environment, and fusing the feature representation of the image information and the feature representation of the marked target in the image information and the radar information for semantic segmentation, the target may be more accurately detected from the image based on a prompt of the marked target, so that the excavator may comprehensively perceive the working area environment, and provide a basis for an unmanned excavation operation.

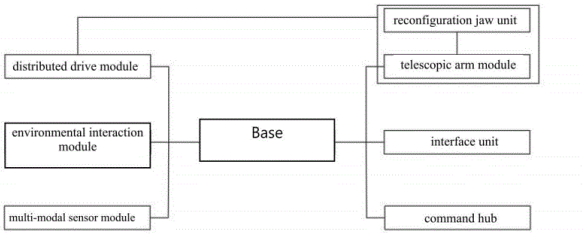


21: 2025/04230. 22: 2025/05/19. 43: 2026/01/29
51: B29C
71: Shandong Huayu University of Technology
72: Yanchun Zhai, Xiao Lyu, Zhigang Wei
54: COMPOSITE MATERIAL PROCESSING APPARATUS AND METHOD
00: -
The present invention relates to a composite material processing apparatus and method, the apparatus comprises a multi-axis machining module, a monitoring module, and an adaptive control

module, and a closed-loop system is constructed through industrial Ethernet to achieve intelligent regulation. The multi-axis machining module integrates the ultrasonic vibratory cutting unit and the laser heating unit, and the monitoring module comprises a laser scanner and an infrared thermal imager, and can acquire machining data in real time. The adaptive control module dynamically adjusts the machining parameters according to the monitoring data, and the apparatus is further provided with a material database and a process knowledge database. The present invention significantly reduces cutting resistance, effectively suppresses delamination and burr defects, and improves machining efficiency and quality through the synergistic effect of ultrasonic vibration and laser heating, combined with real-time closed-loop feedback control. The machining method comprises the steps of building a three-dimensional model, generating initial parameters, real-time data acquisition and dynamic parameter adjustment, enabling automatic adjustment of machining parameters according to stratification risk and temperature overrun condition, detecting surface quality and updating knowledge base after completion.

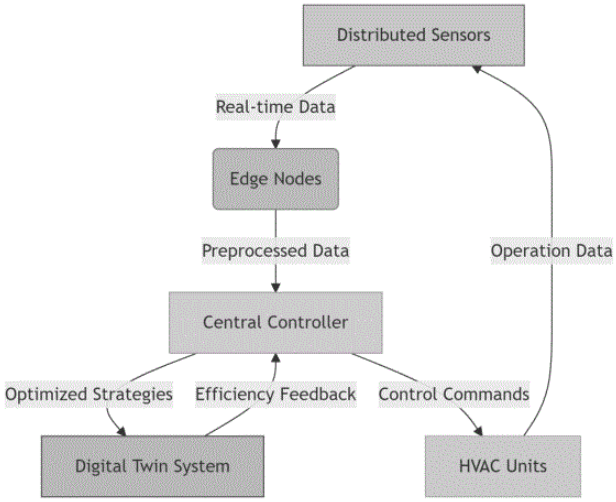


21: 2025/04232. 22: 2025/05/19. 43: 2026/01/29
51: B25J
71: Shandong Huayu University of Technology
72: Minghui Zheng, Jiali Kong, Shengtao Li
54: ADJUSTABLE GRIPPING DEVICE FOR ROBOT
00: -
An adjustable grasping device for robot comprises a base, a telescopic arm module connected on the base, an interface unit and an command hub; a reconfiguration jaw unit is also connected to the end of the telescopic arm module; a multi-modal sensor module, an environmental interaction module, a distributed drive module connected to the base, the distributed drive module being in dynamic connection with the clamping jaw unit; the environment interaction module obtains environment information feedback to the command hub, and the multi-modal sensor module obtains usage parameters of the reconstructed jaw unit. An advantage of the present invention over the prior art is that it provides an adjustable gripping device for robots with a high degree of intelligence and ease of use.

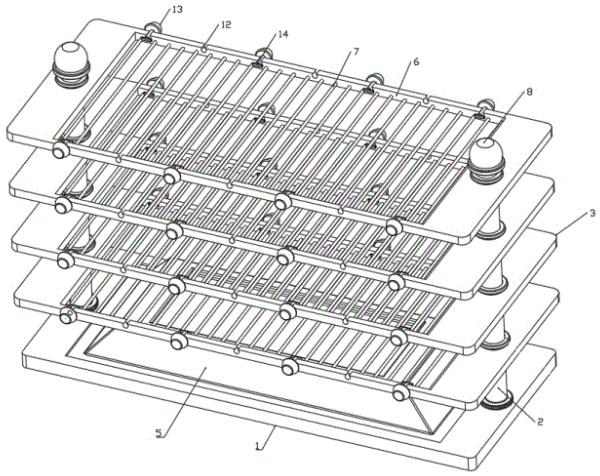


21: 2025/04234. 22: 2025/05/19. 43: 2026/01/29
51: F24F
71: Shandong Huayu University of Technology
72: Wenguo Chen, Mengmeng Xu
54: ENERGY SAVING CONTROL METHOD FOR BUILDING HEATING, VENTILATION, AND AIR CONDITIONING
00: -
The present invention relates to an energy saving control method for building heating, ventilation, and air conditioning. The plurality of environmental data within the building are collected in real time by a distributed sensor network and processed by a deep reinforcement learning algorithm module on board a central controller to generate a set of dynamic control strategies. The strategy set includes fuzzy temperature regulation, variable wind volume coupling control, and equipment start-stop optimization schemes. At the same time, using multivariable decoupled control technology and digital twin model, synchronous regulation and energy efficiency optimization of air conditioning units, new air conditioning units and end devices are achieved. The method is further provided with renewable energy cooperative interface and

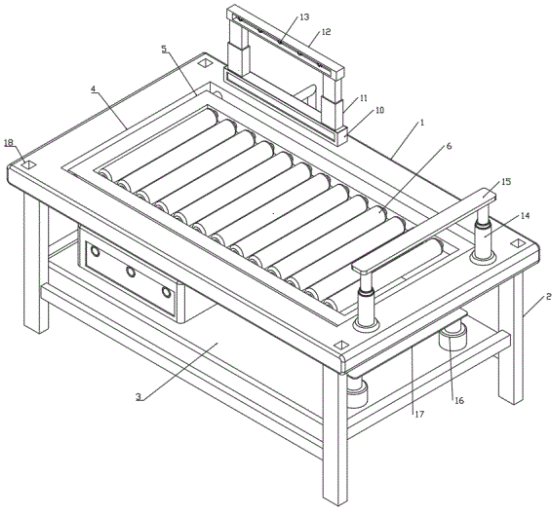
transitional environment buffer zone module, capable of accessing photovoltaic generation forecast data in real time and generating storage device time-sharing scheduling strategy, while integrating dynamic air curtain control, temperature and humidity gradient regulation algorithm and cooperative air supply strategy with main system at building entrance.



21: 2025/04235. 22: 2025/05/19. 43: 2026/01/28
51: B65G
71: Shandong Huayu University of Technology
72: Jiali Kong, Shengtao Li, Minghui Zheng
54: WAREHOUSE ASSISTING RACK FOR INTELLIGENT MANUFACTURING
00: -
The present invention discloses a warehouse auxiliary rack for intelligent manufacturing, comprising a base board and power uprights connected with two sides of the top of the base board, and several auxiliary rack boards are slidably sleeved between the two power uprights, and a bottom end of the base board is connected with a universal power wheel; the top of the base plate is further connected with an intelligent interactive terminal, and the intelligent interactive terminal is connected with a control power upright; a central portion of the auxiliary pallet is provided with a through slot, and a plurality of evenly arranged partition bars are connected between two walls of the through slot, and a locking assembly is provided on the auxiliary pallet to cooperate with the partition bars. An advantage of the present invention over the prior art is to provide a warehouse assisting shelf for intelligent manufacture that is easy to operate and use, has a high degree of intelligence, and reduces manual burden.



21: 2025/04236. 22: 2025/05/19. 43: 2026/01/28
51: B65G
71: Shandong Huayu University of Technology
72: Shengtao Li, Minghui Zheng, Jiali Kong
54: MATERIAL TRANSPORT APPARATUS FOR INTELLIGENT MANUFACTURING
00: -
The present invention discloses a material conveying device for intelligent manufacturing, comprising a base and a material conveying module hinged on the base; a lower end of the base is connected with four-angled support legs, a partition plate is further connected between the four-angled support legs, and a rail change structure is connected between the partition plate and the material conveying module; a lower end dispensing mechanism is attached to the partition plate toward the discharge end of the material conveying module, and an upper end dispensing mechanism is attached to the top of the base near the discharge end of the material conveying module; a material cleaning module is also attached to the top of the base proximate the material conveying module. An advantage of the present invention over the prior art is that it provides an intelligent manufacturing material transport apparatus that is easy to operate and that can be transported with multiple materials without the need to replace different production lines.

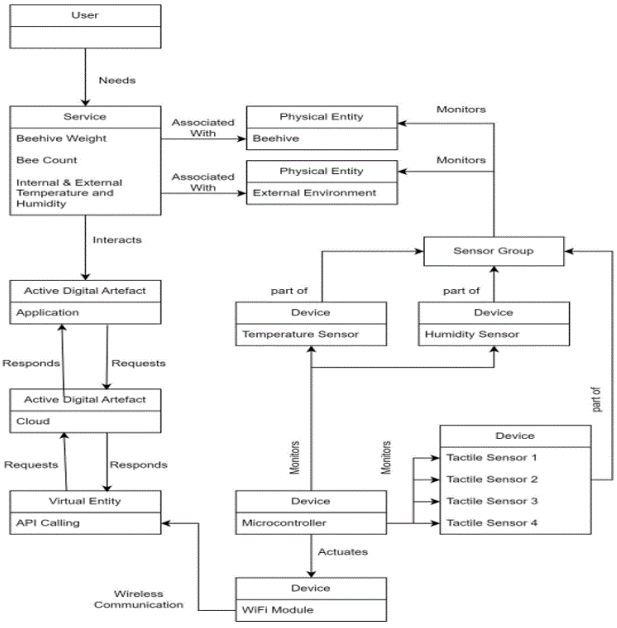


21: 2025/04239. 22: 2025/05/19. 43: 2026/01/20
51: G05B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GAIKWAD, Dr. Vijay, SHAHARI, Sagar, KASURDE, Soham, NIMALE, Soham, SURDAS, Soham, TAYDE, Shubham, DONGRE, Dr. Ganesh, RANE, Dr. Milind, GHADEKAR, Premamand

54: A SMART BEEHIVE MONITORING SYSTEM USING IOT

00: -

The present invention relates to a smart beehive monitoring system using IoT. The proposed system is an IoT-based solution designed to enhance hive management by providing real-time monitoring of temperature, humidity, hive weight, and bee activity. The system integrates multiple sensors with a NodeMCU ESP8266 microcontroller, cloud storage, and a user-friendly mobile application. By utilizing automated alerts and predictive analytics, the system assists beekeepers in maintaining hive health, optimizing honey production, and mitigating environmental risks. This invention offers an efficient, scalable, and cost-effective solution for modern apiculture.



21: 2025/04249. 22: 2025/05/19. 43: 2026/01/20
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NANDESHWAR, Vikas J., SHEELWANT, Harshad S., SHELAR, Nishit S., PATIL, Shashank S., SHELKE, Bhavesh R., SHEIKH, Abdul S., SHEJUL, Akash B.

54: SMART AUDIO DESCRIPTION GLASSES WITH OBJECT RECOGNITION AND OCR

00: -

The present invention relates to smart audio description glasses with object recognition and OCR. Featuring a Raspberry Pi microcomputer, USB camera, Bluetooth earphone, and physical button for mode switching, the device uses a custom-trained object recognition model (85-90% accuracy) and PyTesseract OCR (90-95% accuracy). Visual data is processed and converted to speech using the Google Text-to-Speech API. Affordable, user-friendly, and portable, this invention outperforms costly or complex alternatives, enhancing independence and safety for visually impaired users.

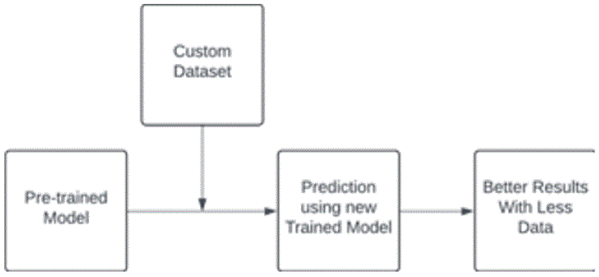
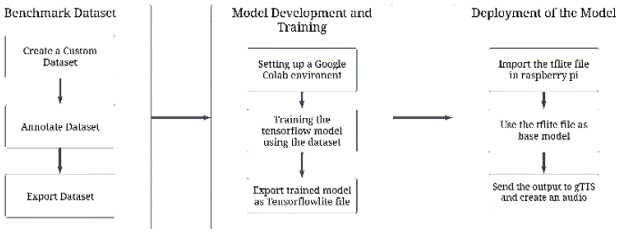
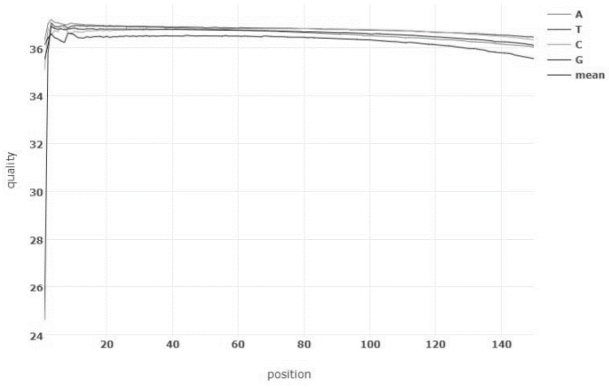


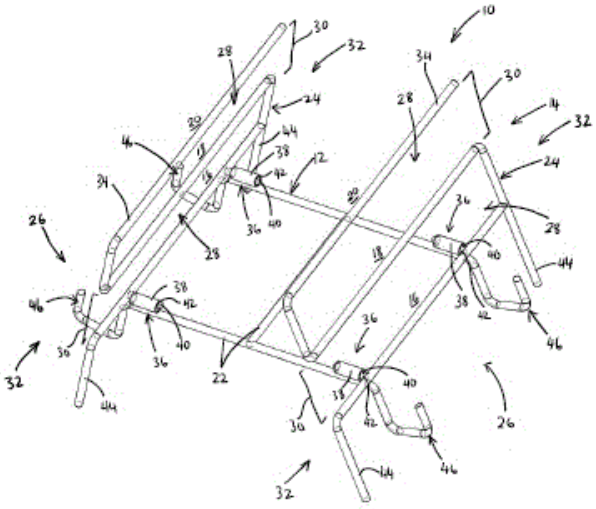
Figure 1



21: 2025/04255. 22: 2025/05/19. 43: 2026/01/29
51: C12Q
71: Beijing Jingwa Agricultural Science & Technology Innovation Center, China Agricultural University
72: LIU, Guoshi, YAO, Songyang, WU, Hao, PIAO, Xiangshu, LIU, Yunjie, LU, Yongqiang, LI, Youzhi, WANG, Bingyuan, ZHANG, Lu, LIU, Xuening, YAN, Laiqing, MA, Wenkui, GAO, Jiarui, WANG, Tiankun, ZHOU, Jun, SUN, Zhigang
33: CN 31: 202311630671.1 32: 2023-11-30
54: BOVINE WHOLE-GENOME SNP CHIP AND USE THEREOF
00: -
The present invention discloses a bovine whole-genome SNP chip, and the chip contains 50,000 SNP loci. The SNP chip of the present invention comprises milk production traits, milk composition traits, reproductive traits and melatonin traits of bovine. The present invention utilizes the combination of molecular markers to construct a whole-genome breeding chip for bovine molecular breeding.

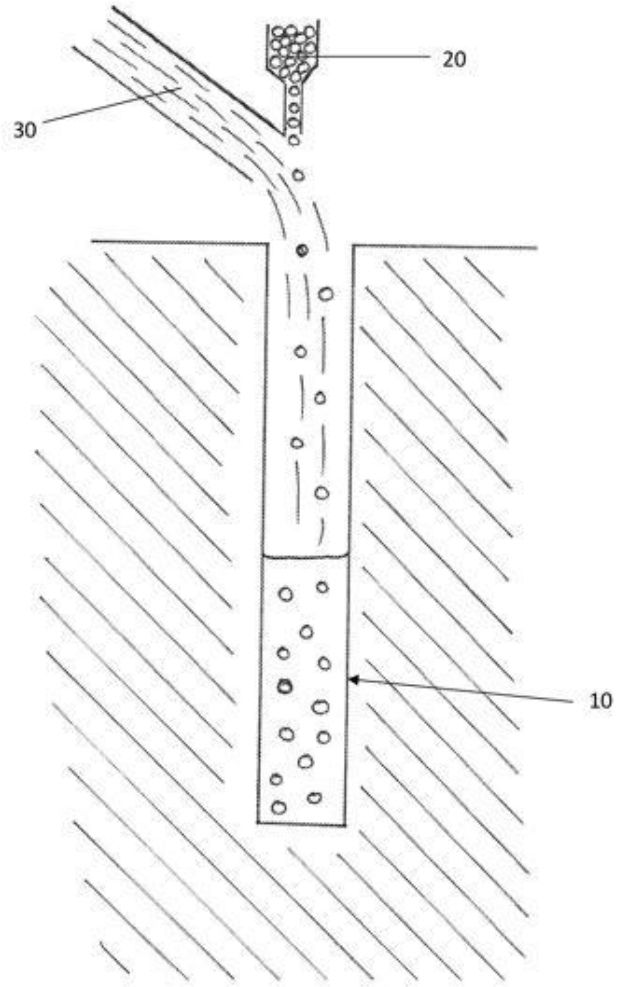


21: 2025/04278. 22: 2025/05/20. 43: 2026/01/07
51: A47J
71: NELL, Johannes
72: NELL, Johannes
33: ZA 31: 2024/01487 32: 2024-02-20
54: A SUPPORT ASSEMBLY
00: -
A support assembly which includes a base to be placed in the vicinity of a heat source and a support arrangement releasably mounted on the base and defining a plurality of receiving zones for allowing a food retainer to be received and supported at different distances from the heat source.

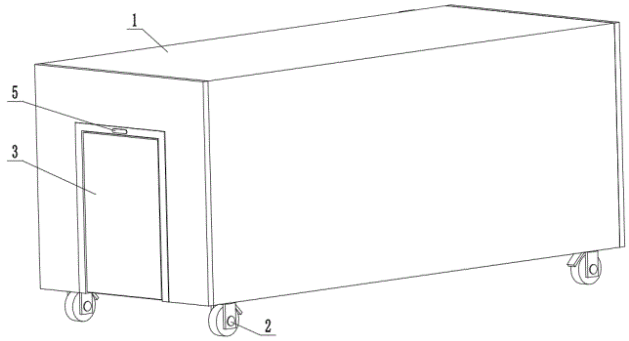


21: 2025/04285. 22: 2025/05/20. 43: 2026/02/10
51: C06B; F42D
71: PROACTIVE GROUND SOLUTIONS PTY LTD
72: MARTIN, Drew Anthony
33: AU 31: 2022903399 32: 2022-11-11
54: EXPLOSIVE ADDITIVE
00: -

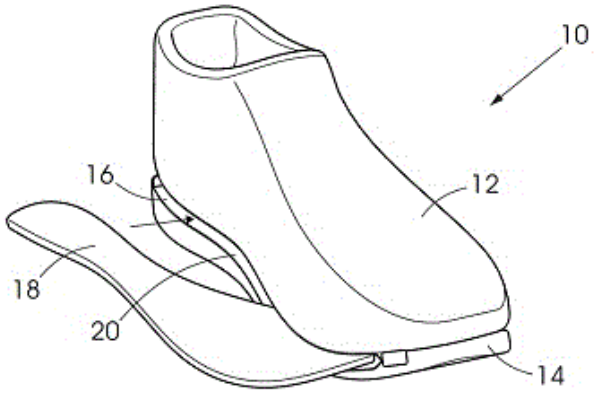
An explosive additive for bulk or packaged explosives, wherein the explosive additive comprises a biopolymer.



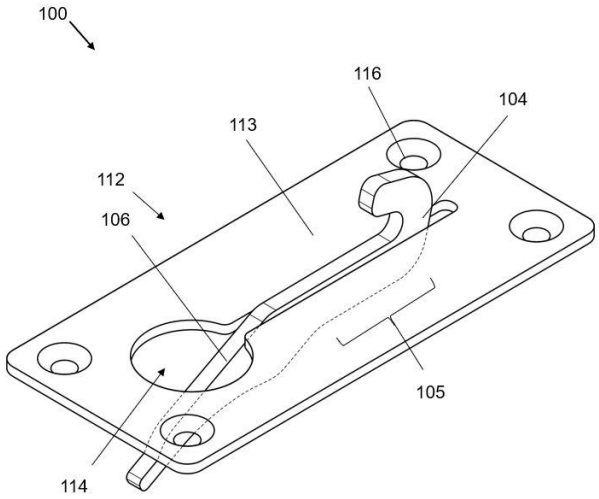
21: 2025/04311. 22: 2025/05/21. 43: 2026/01/20
51: E04B; E04H
71: Maternal and Child Health Hospital of Guangxi Zhuang Autonomous Region
72: Ying Chen, Ming Huang
54: INTELLIGENT PROTECTIVE CLOTHING UNDRESSING ROOM
00: -
An intelligent protective clothing undressing room, comprises a movable unitized undressing room, the unitized undressing room is provided with universal wheels with brake at the bottom thereof, walls and top thereof are made of foam composite panels, and entrance and exit ports of the unitized undressing room are symmetrically arranged at both ends thereof. A human body sensing cue light is automatically turned on and voice announces the detaching flow, to provide clear guidance for staff, the two-way voice camera realizes real-time interaction in and out of the clothes undressing room, facilitates remote guidance by outside personnel, assists the clothes undressing robot arm to be triggered by voice command or induction, uses the magnetic suction type clamping jaw and the pressure sensor to accurately grasp the protective suit, assists in completing detachment, avoids direct contact of workers with the polluted surface of the protective suit, and ensures safety of operation.



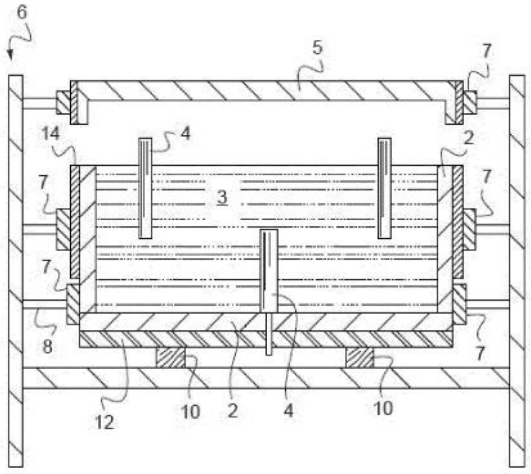
21: 2025/04312. 22: 2025/05/21. 43: 2026/01/20
51: A43B
71: VAN HEERDEN, ROELOF JOHANNES
72: VAN HEERDEN, ROELOF JOHANNES
54: FOOTWEAR
00: -
A footwear system is disclosed comprising an upper and a sole with an internal cavity configured to house a removable insert. The cavity is accessible via an opening and secured by a closing mechanism operable between open and closed positions. The cavity is preferably located in the midsole, and the closing mechanism may include a zip, one or more hinges and/or one or more clasps. The opening may be positioned on the medial or lateral side, or in the front or rear section of the sole. The footwear may further include a removable insert, which can be selected from a carbon plate, gel, foam, plastic, or orthotic insert.



21: 2025/04314. 22: 2025/05/21. 43: 2026/01/20
51: E05B; E06B
71: MINI FAMILY TRUST IT 57/2007
72: HAGAN, Michael Leonard
54: RECESSED HOOK ASSEMBLY
00: -
A recessed hook assembly is provided for securing objects such as pool covers, tarpaulins, and signage. The assembly includes a hook member having a pivot point between a first section with a hook portion and a second section, a hinge assembly configured to pivotally displace the hook member about the pivot point, and a mounting arrangement configured to support the hinge assembly below an exterior plane of a surface. The hook member is pivotable between a stowed position, in which the hook portion lies below or flush with the exterior surface, and a deployed position, in which the hook portion protrudes above the surface for engagement. In use, the hook member may be manually or automatically displaced between the stowed and deployed positions, optionally using a biasing means. Methods of securing and suspending objects using the recessed hook assembly are also provided.

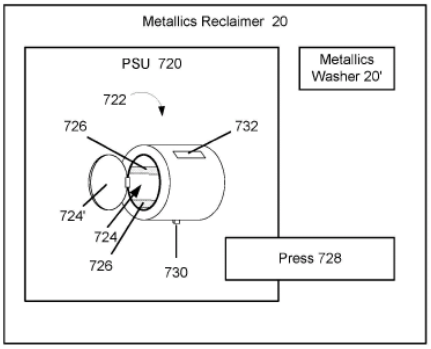


21: 2025/04331. 22: 2025/05/21. 43: 2026/01/27
51: C03B
71: Saint-Gobain Isover
72: DELAHALLE, Gérard, SOISSON, Didier, BERNIER, Didier, CHRETIEN, Emmanuel
33: FR 31: 2304023 32: 2023-04-21
54: GLASSMAKING FURNACE REINFORCEMENT
00: -
The invention relates to an at least partially electric glassmaking furnace (1) comprising a melting tank (2) which consists of blocks made of refractory materials and is suitable for containing a bath (3) of molten vitrifiable materials, and a plurality of heating electrodes (4) which are suitable for supplying electrical power to the bath, the tank (2) being held in place by a metal reinforcement (6), the furnace being characterised in that the reinforcement (6) comprises a set of electrical insulators (7) forming an electrical confinement barrier for the tank (2) which is able to block any circulation of leakage currents between the tank (2) and the metal reinforcement (6) of the furnace.



21: 2025/04334. 22: 2025/05/21. 43: 2026/01/27
51: C22B; H01M
71: VerdeEn Chemicals Inc.
72: TYAGI, Vipin, NAIK, Amol, CHADHA, Nishchay
33: US 31: 17/975,412 32: 2022-10-27
54: APPARATUS FOR RECOVERY OF BASE METALS FROM GRID METALLICS
00: -
Disclosed are solutions directed to the recovery of both elemental lead and lead alloy (e.g., antimonial lead) from the grid metallics of recycled LABs. The solutions may comprise in part one or more of the following: a rotating drum for rotationally hammering a mixture comprising the lead paste, the lead alloy, and a solution, wherein the rotational hammering is performed in a manner sufficient to cause the lead paste to no longer physically adhere to the lead alloy; a vessel for receiving the mixture from the drum and vibrating the mixture sufficient to cause material movement within the mixture to facilitate separation of the lead alloy from the lead paste and the solution; and/or a press for pressing the lead alloy into a pressed form.

FIG. 7B



21: 2025/04338. 22: 2025/05/21. 43: 2026/01/27
51: B31B
71: Graphic Packaging International, LLC
72: LUCY, Kyle, EVANS, Nicholas
33: US 31: 63/431,469 32: 2022-12-09
54: END FLAP ENGAGEMENT ASSEMBLY FOR ERECTING CARTONS AND RELATED SYSTEMS AND METHODS
00: -
A method of at least partially erecting a carton includes loading a blank in a blank infeed assembly, the blank having a plurality of panels and a plurality of end flaps foldably connected to a respective panel of the plurality of panels. The method further includes positioning the blank on at least one conveyor assembly configured to move the blank in a downstream direction, operating the at least one conveyor assembly to move the blank in the downstream direction toward a carton erection assembly, the carton erection assembly including an end flap engagement assembly positioned adjacent the at least one conveyor assembly, and activating the end flap engagement assembly such that a portion of the end flap engagement assembly contacts and moves at least one end flap of the plurality of end flaps of the blank as the blank moves in the downstream direction.

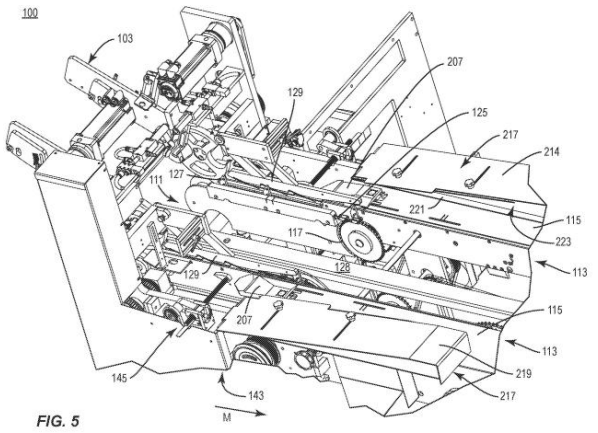


FIG. 5

21: 2025/04340. 22: 2025/05/21. 43: 2026/01/27
51: B60W
71: Chery Automobile Co., Ltd.
72: WU, Yifeng, QI, Linxing, SUN, Lifei
33: CN 31: 202310573560.5 32: 2023-05-17

54: ROAD SURFACE INFORMATION RECOGNITION METHOD AND APPARATUS FOR AUTOMOBILE, AND VEHICLE AND STORAGE MEDIUM

00: -

The present application relates to a road surface information recognition method and apparatus for an automobile, and a vehicle and a storage medium. The method comprises: collecting travelling data of a vehicle, and determining the current travelling condition of the vehicle on the basis of the travelling data of the vehicle; if the current travelling condition of the vehicle is a first preset condition, calculating a first parameter of a road surface according to the travelling data of the vehicle, and calculating a first adhesion coefficient on the basis of the first parameter and a first preset policy, and if the current travelling condition of the vehicle is a second preset condition, calculating a second parameter of the road surface according to the travelling data of the vehicle, obtaining a second adhesion coefficient on the basis of the second parameter and a second preset policy, and filtering the first adhesion coefficient or the second adhesion coefficient, so as to obtain a final adhesion coefficient value; and using the final adhesion coefficient value as an index to look up a preset standard road condition adhesion coefficient-road condition information relationship table, so as to obtain the current road condition information of the road surface. Thus, hardware costs are reduced, and the recognition accuracy of an adhesion coefficient and the coverage of a travelling condition are also effectively improved.

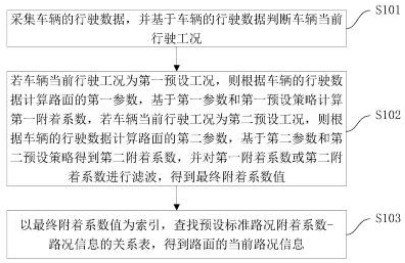


图 1

S101 Collect travelling data of a vehicle, and determine the current travelling condition of the vehicle on the basis of the travelling data of the vehicle

S102 If the current travelling condition of the vehicle is a first preset condition, calculate a first parameter of a road surface according to the travelling data of the vehicle, and calculate a first adhesion coefficient on the basis of the first parameter and a first preset policy, and if the current travelling condition of the vehicle is a second preset condition, calculate a second parameter of the road surface according to the travelling data of the vehicle, obtain a second adhesion coefficient on the basis of the second parameter and a second preset policy, and filter the first adhesion coefficient or the second adhesion coefficient, so as to obtain a final adhesion coefficient value

S103 Use the final adhesion coefficient value as an index to look up a preset standard road condition adhesion coefficient-road condition information relationship table, so as to obtain the current road condition information of the road surface

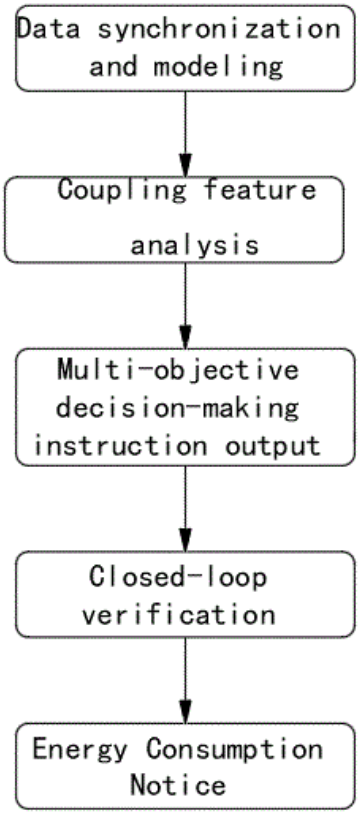
21: 2025/04356. 22: 2025/05/22. 43: 2026/01/23
51: G06Q
71: Shandong Huayu University of Technology
72: Lili Gao

54: A BUILDING ENVIRONMENT AND ENERGY COUPLING INTELLIGENT CONTROL SYSTEM AND METHOD BASED ON DIGITAL TWIN

00: -

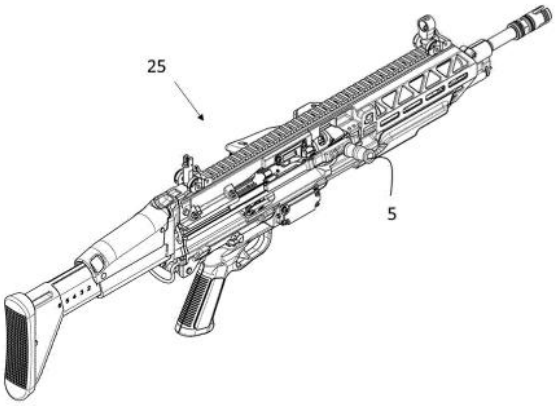
A building environment and energy coupling intelligent control system based on digital twin, comprising: a physical unit, a twin modeling layer module, a coupling analysis module, a regulation decision module, an execution module, and an execution feedback module; the physical unit comprises a data sensing group deployed within the building and an execution device controlled by the execution module, the execution device comprises a group of devices deployed within the building for changing an environment within the building; the twin modeling layer module constructs a virtual digital twin model based on the architectural drawings, obtains feedback data of the coupling analysis module to perform real-time data mapping on the virtual digital twin model; the regulation decision module obtains feedback data from the coupling analysis module to output conditioning instructions for the group of devices. An advantage of the present invention over the prior art is to provide a system and method for intelligent regulation of building environment and energy coupling based on digital twin that facilitates use

based on multi-source data coupling to enable intelligent applications.



21: 2025/04368. 22: 2025/05/22. 43: 2026/03/03
51: A22C; B26D
71: NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG
72: KREPINSKY, Gunnar
33: EP 31: 22209139.9 32: 2022-11-23
54: METHOD FOR CUTTING FOOD PRODUCTS, DEVICE FOR PROCESSING FOOD PRODUCTS, AND FASTENING MECHANISM
00: -
The invention relates to a device (10) for cutting food products (11), the device comprising at least one cutting device (12) for the detachable arrangement of a blade element (13), at least one rotatably mounted blade shaft (14) which is designed and configured to accommodate the cutting device (12), at least one drive element which is designed and configured to drive the blade shaft (14) in a direction of rotation (D), wherein the cutting device (12) comprises a fastening mechanism (15) for detachably fastening a blade element (13) on the blade shaft (14), wherein the fastening mechanism (15) is designed and configured as a quick-action blade fastener (16). The invention also relates to a device (10) for processing food products (11). The invention further relates to a corresponding fastening mechanism (15).

21: 2025/04378. 22: 2025/05/22. 43: 2026/01/27
51: F41A
71: FN Herstal S.A.
72: FRANSSEN, Pascal, LOOSVELDT, Sylvie, BERENGUIER, David
33: EP(BE) 31: 22210103.2 32: 2022-11-29
54: SAFE COCKING HANDLE
00: -
The present invention relates to an open-bolt firearm (25) comprising a bolt (9) that is guided slidably within a frame (16) between a front position against a barrel or a barrel extension (1) and a rear, reloading and ready-to-fire position, a cocking handle (8) also being guided slidably within the frame (16) on which the bolt (9) bears, a firing pin (10) arranged in the bolt (10), or integral therewith, and a handle safety device (7) arranged on the cocking handle (8) or on the bolt which is capable of occupying a safety position in which a spacer (12) of the handle safety device (7) is positioned between the bolt and the barrel, the barrel extension (1) or the frame so as to prevent contact between the firing pin (10) and a round (3) chambered in the barrel, or a firing position in which the spacer (12) is not positioned between the bolt and the barrel.



21: 2025/04379. 22: 2025/05/22. 43: 2026/01/26
51: G08B; G08G
71: Chery Automobile Co., Ltd., Wuhu Automobile Advanced Technology Institute

72: HUANG, Yong, LI, Tao, LIU, Yunhui, WU, Fusheng, CAI, Wenqing
33: CN 31: 202310651331.0 32: 2023-06-01
54: VEHICLE EARLY WARNING METHOD AND APPARATUS, DEVICE, STORAGE MEDIUM, AND PRODUCT
00: -
The present application relates to the technical field of vehicles, and discloses a vehicle early warning method and apparatus, a device, a storage medium, and a product. According to the method provided by the present application, before a user parks a vehicle, whether there is a no parking sign near the vehicle is detected first; when there is no no parking sign, whether there is a target object near the vehicle is detected; when there is a target object and the target object moves towards a first vehicle, the distance between the target object and the vehicle is determined; an early warning signal is sent on the basis of the distance; and the early warning signal prompts the user not to park the vehicle at the current position, thereby preventing the user from parking illegally, and avoiding affecting the travel of other users. Additionally, according to the method, a navigation route between a third position where parking is allowed and a second position where the first vehicle is located is determined, and by means of the navigation route, the user is guided to go to the third position for parking, so that the parking requirements of the user are met. Therefore, according to the method, users can be prevented from parking illegally, and the parking requirements of the users can also be met.

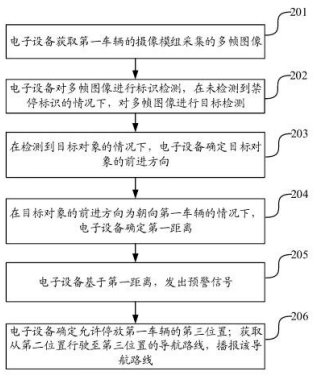


图 2

201 An electronic device acquires multiple image frames collected by a camera module of a first vehicle
202 The electronic device performs sign detection on the multiple image frames, and when a no parking sign is not detected, performs target detection on the multiple image frames
203 When a target object is detected, the electronic device determines the movement direction of the target object
204 When the target object moves towards the first vehicle, the electronic device determines a first distance
205 The electronic device sends an early warning signal on the basis of the first distance
206 The electronic device determines a third position where the first vehicle is allowed to be parked, acquires a navigation route of traveling from a second position to the third position, and broadcasts the navigation route

21: 2025/04380. 22: 2025/05/22. 43: 2026/01/26
51: B60R
71: Chery Automobile Co., Ltd.
72: LI, Shan, FENG, Liwei, MENG, Rui, HAO, Wei
33: CN 31: 202310436558.3 32: 2023-04-19
54: VEHICLE CONTROL METHOD AND APPARATUS, VEHICLE, AND STORAGE MEDIUM
00: -
The present application relates to a vehicle control method and apparatus, a vehicle, and a storage medium, wherein the method comprises: using a plurality of UWB receivers to receive positioning signals transmitted by a mobile terminal, thereby achieving signal stable transmission and high-precision positioning, and thus determining the distance between the mobile terminal and a vehicle on the basis of the received positioning signals; when the distance is within a welcome control interval, controlling the vehicle to execute an illumination action, a pre-startup action, and/or a pre-startup alert action, thereby implementing the vehicle welcome feature and pre-starting, thus helping a user find the vehicle and reducing vehicle start-up time; and when the distance is within an unlocking control interval, controlling the vehicle to be unlocked, and according to the distance, opening the vehicle door, thereby achieving a contact-free entry into the vehicle by the user. The method increases convenience and speed, intelligence, and the level of automation, and improves user experience.

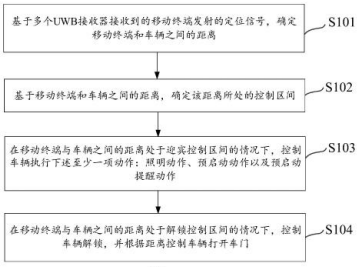
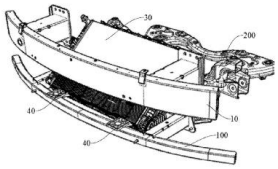


图 1

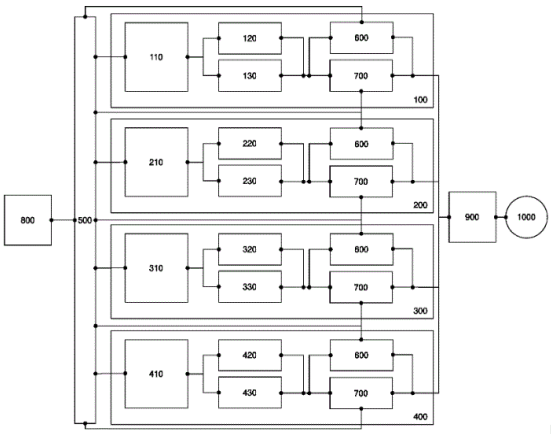
S101 On the basis of positioning signals sent by a mobile terminal and received by a plurality of UWB receivers, determine a distance between the mobile terminal and a vehicle
S102 Based on the distance between the mobile terminal and the vehicle, determine a control interval into which the distance falls
S103 When the distance between the mobile terminal and the vehicle is within a welcome control interval, control the vehicle to perform at least one of the following: an illumination action, a pre-startup action, and a pre-startup alert action
S104 When the distance between the mobile terminal and the vehicle is within an unlocking control interval, control the vehicle to be unlocked, and according to the distance, open the vehicle door

21: 2025/04381. 22: 2025/05/22. 43: 2026/01/26
51: B60K; B60R; B62D
71: Chery Automobile Co., Ltd.
72: CHI, Ronghai, WANG, Feifei, GU, Zhuoqing, LI, Zhaojin, LI, Pengyao
33: CN 31: 202310239464.7 32: 2023-03-08
54: MOUNTING BRACKET ASSEMBLY, INCLINED COOLING MODULE ASSEMBLY AND VEHICLE
00: -

Provided are a mounting bracket assembly, an inclined cooling module assembly, and a vehicle, which belong to the field of vehicle technologies. The mounting bracket assembly (400) includes a first bracket (40) including a first body portion (41) and a first connecting portion (42), the first body portion (41) is connected to a front-lower assistant cross member (100) through a connecting member (44), and the first connecting portion (42) is connected to the first body portion (41) and an inclined cooling module (30); wherein the first body portion (41) is provided with a mounting hole (411) including a first sub-hole (412) and a second sub-hole (413) connected through a guide groove (414), and the connecting member (44) is configured to move from the first sub-hole (412) towards the second sub-hole (413) in a case that the front-lower assistant cross member (100) is stressed.



21: 2025/04384. 22: 2025/05/22. 43: 2026/03/06
51: B60L
71: DRIVE ELECTRO SA
72: IVANOV, Sergey
54: MODULAR BATTERY OF AN ELECTRIC VEHICLE
00: -
The invention relates to power sources for electric vehicles and may be used in the transport industry. The purpose of the present invention is to reduce the risk of damage to the electronic components of an electric vehicle during the operation of the modular battery (100,200,300,400). The purpose is achieved by the modular battery (100,200,300,400) of the electric vehicle due to the fact that the control unit (110,210,310,410) enables the execution of the traction motor inverter capacitor precharge logic.

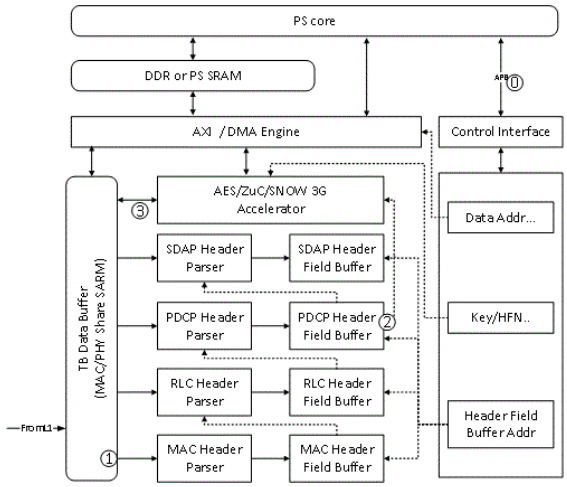


[fig. 2]

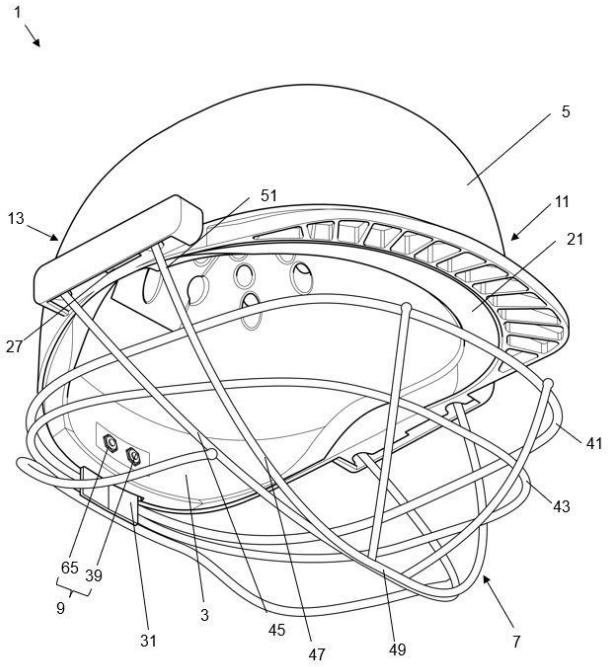
21: 2025/04399. 22: 2025/05/23. 43: 2026/02/02
51: C04B
71: YONGZHOU MINGRUI CERAMIC TECHNOLOGY CO., LTD.
72: DENG, CHENGXI, LIU, YINGUANG
54: LOW TEMPERATURE AND HIGH DENSITY SINTERED ALUMINUM OXIDE CERAMIC COMPOSITION AND APPLICATION
00: -
The present application relates to the field of ceramic materials, and in particular, to a low temperature and high density sintered aluminum oxide ceramic composition and a preparation method. The composition includes yttrium oxide, silicon micropowder, cellulose nanocrystal, modified carbonized steel slag, gneiss stone powder and mineral powder in a specific ratio, and is prepared by ball milling premixing, high shear dispersing, plasma activating, a two-step sintering process and spray granulating. In the present application, the effect of high density sintering at low temperature is achieved, the mechanical properties and neutron radiation resistance of the ceramic material are significantly improved, and at the same time, the requirements of low dielectric loss of the electronic ceramic substrate and high performance of the nuclear energy sealing ring are met, which has a wide application prospect.

21: 2025/04405. 22: 2025/05/23. 43: 2026/02/02
51: H03M
71: Haipeng Sun
72: Haipeng Sun
54: 5GNR AIR INTERFACE PROTOCOL STACK DATA PLANE ACCELERATION METHOD
00: -

The present invention relates to the field of hardware accelerators (AISC). Provided is a 5G NR air interface protocol stack data plane acceleration method. The method comprises: processing 5G NR downlink user plane data; a PHY controlling a data stream to be buffered in a MAC/PHY shared memory, and interrupting a notification to a PS core; a CPU initializing a Data Path accelerator; a DPHA parsing MAC, RLC, a PDCP and an SDAP from ShMem and storing same in a PS SRAM; a DPHA mac parser parsing a MAC header to extract a MAC subPDU for processing, and storing a processing result in a corresponding HFD data format; and a PS subsequently performing protocol specification processing on various HFD data. A DPHA accelerator significantly reduces the downlink user plane latency of existing 5G baseband processors, enhances the reliability of baseband processors, and improves the performance thereof.

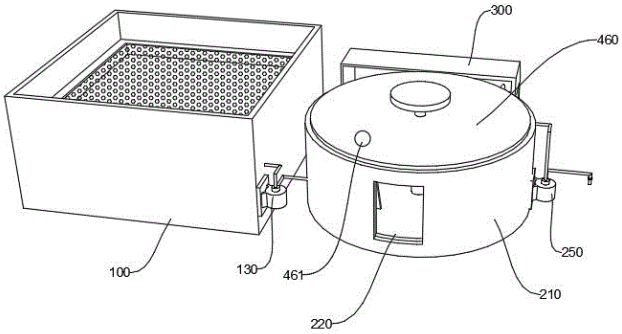


21: 2025/04415. 22: 2025/05/23. 43: 2026/02/02
51: A42B
71: QUINLAN, Stephen John
72: QUINLAN, Stephen John
33: ZA 31: 2022/11711 32: 2022-10-27
54: SPORTS HELMET
00: -
A sports helmet is provided. The sports helmet comprises an inner shell configured to receive a user's head, an outer shell configured to substantially house the inner shell, and a rigid grille. The inner shell is connected to the outer shell by a single rigid attachment means wherein the rigid attachment means is configured to permit partial movement of the inner shell and the outer shell relative to each other. The inner shell is further attached to the grille.

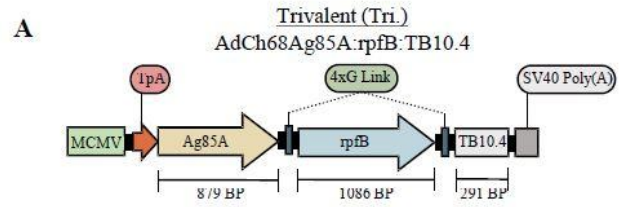


21: 2025/04447. 22: 2025/05/26. 43: 2026/02/02
51: C02F
71: Foshan University
72: Yang Fujun, Dong Fangyan, Gao Heng, Zhang Sijie, Liu Dongfang, Yao Yiluan, Liu Wenjing, Zhou Yanbo, Zhang Yongli
54: A LANDFILL LEACHATE TREATMENT DEVICE
00: -
The invention discloses a landfill leachate treatment device, comprising: a pretreatment tank, wherein a filter mesh frame is clamped and installed on the inner wall of the pretreatment tank, and a filter mesh is fixedly installed on the inner wall of the filter mesh frame; a catalytic wet oxidation reaction assembly, wherein the catalytic wet oxidation reaction assembly comprises an inner cylinder and an outer cylinder, a heating tube is installed on the outer wall of the inner cylinder, and a stirrer is rotatably connected to the inner wall of the inner cylinder; a landfill leachate treatment assembly, wherein the landfill leachate treatment assembly comprises an oxygen supply structure and a pH adjustment structure. The invention relates to the field of landfill leachate treatment devices. The device preliminarily filters large-particle impurities through the

pretreatment tank to reduce the subsequent treatment load; the catalytic wet oxidation reaction assembly can efficiently decompose refractory organics in the leachate under specific temperature, pressure, and catalyst conditions, and, combined with precise pH adjustment and oxygen supply structures, ensures the reaction proceeds fully, significantly improves the pollutant removal rate, and stabilizes the effluent quality to meet discharge standards.



21: 2025/04464. 22: 2025/05/26. 43: 2026/02/03
51: C12N
71: MCMASTER UNIVERSITY
72: XING, Zhou, AFKHAMI, Sam
33: US 31: 63/383,566 32: 2022-11-14
54: TRIVALENT TUBERCULOSIS VACCINE
00: -
A multi-valent vaccine is provided which targets the multi-stage life cycle of Mycobacterium species of the tuberculosis complex. The vaccine comprises a transgene that expresses an acute mycobacterial infection-associated antigen, an acute/chronic mycobacterial infection-associated antigen, and a dormant/latent resuscitation mycobacterial infection-associated antigen, for induction of broad protective immunity against pulmonary tuberculosis. The vaccine provides robust mucosal immunity against not only actively replicating but also dormant non-replicating mycobacteria in the lung.



21: 2025/04503. 22: 2025/05/26. 43: 2026/02/09
51: A61F
71: ASCENSE MEDICAL GMBH
72: JARMAN, Jeremy Douglas, MIRCHANDANI, Smurti, MOORE, Michael Matthew, TICAR, Johanna Maria
33: ZA 31: 2023/00507 32: 2023-03-22
54: A COMPOSITE COMPLIANT VASCULAR GRAFT
00: -
The invention provides a composite compliant vascular graft for implantation in a host, which graft includes a tubular body having a lumen and a tubular wall surrounding the lumen made of a composite material, which is adapted to permit expansion of the tubular body from a native state to an expanded state and then to return to the native state in response to pressure changes in the lumen, which includes a mechanical component which is adapted to limit the expanded state, and a compliant component which is adapted to bias return of the tubular body to the native state.

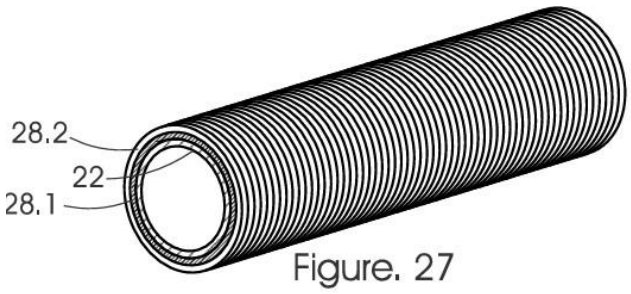
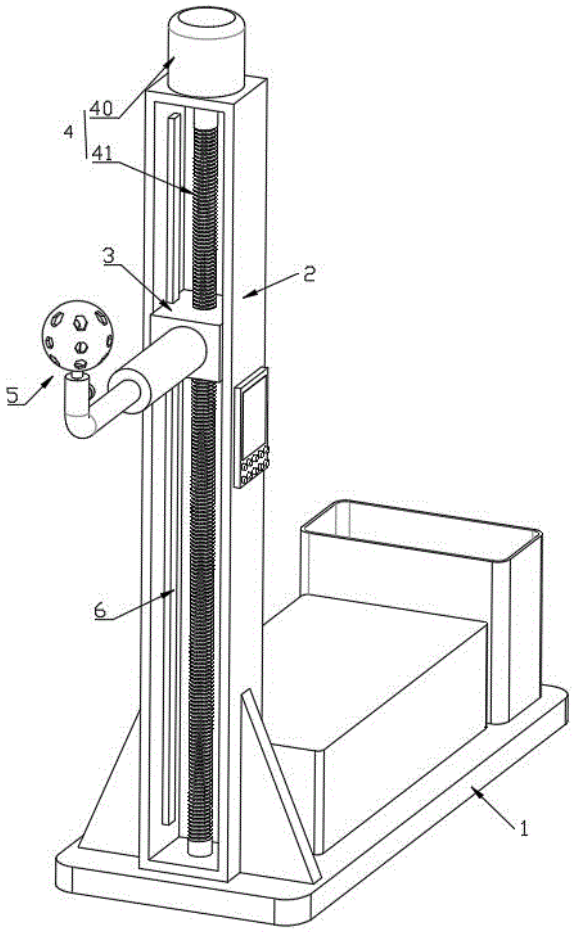


Figure. 27

21: 2025/04535. 22: 2025/05/28. 43: 2026/02/03
51: A63B
71: GUANGZHOU HUAXIA VOCATIONAL COLLEGE
72: Guoqiang Cai, Zhifeng Yu
54: PICK BALL TRAINING DEVICE AND SYSTEM
00: -
The present invention provides a Pickball training device and system, belonging to the technical field of Pickball sports. Comprising a bottom plate, a top end of the bottom plate is provided with a rectangular

groove, a lifting block is slidably connected inside the rectangular slot, a driving part is provided on the rectangular slot, a training part is provided on one side of the lifting block, and the training part comprises a hollow rod, a sliding plate is slidably connected inside the hollow rod, a spring equipped with a damper is provided on one side wall of the sliding plate, a pressure sensor is provided on the inner bottom wall of the hollow rod, and a pressing block is fixedly connected on the other end of the spring. The present invention is capable of raising and lowering the training part to a suitable height according to the height of the user by the driving part, by the Training Department, the pressure sensor is used for collecting a pressure signal of the picker ball being hit by the racket, the shock detecting tactile sensor is used to record the number of strikes when the picker ball is struck by the racket, and is finally displayed on the display screen of the controller in the form of a numerical value, and the training result is digitized, so that the user can more intuitively understand the training result itself, without manually picking up the picker ball, and the training effect is greatly improved.



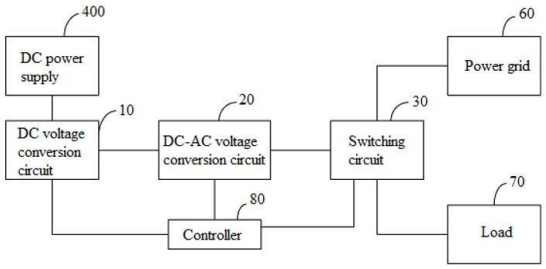
21: 2025/04543. 22: 2025/05/28. 43: 2026/02/03
51: H02H; H02J; H02M
71: SUNGROW (SHANGHAI) CO., LTD.
72: XU, Jincheng, JIANG, Anying, YU, Yanfei
33: CN 31: 2024106840213 32: 2024-05-29

54: POWER CONVERTER, POWER SYSTEM, AND METHOD FOR CONTROLLING POWER CONVERTER

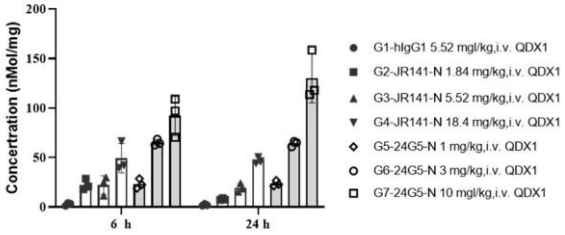
00: -

A power converter, a power system, and a method for controlling the power converter are provided. The power converter includes a DC voltage conversion circuit, a DC-AC voltage conversion circuit connected to the DC voltage conversion circuit, a switching circuit and a controller communicatively connected to the DC voltage conversion circuit, the DC-AC voltage conversion circuit and the switching circuit. The DC voltage conversion circuit is configured for converting DC power outputted by a DC power supply to output converted DC power to the DC-AC voltage conversion circuit. The controller is configured for, in response to operation of the

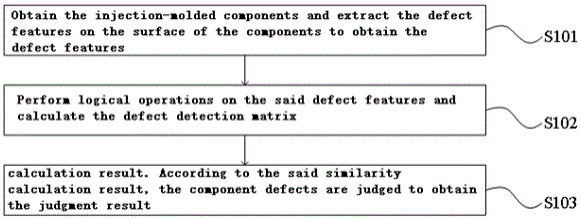
power grid being abnormal: controlling the switching circuit to disconnect the DC-AC voltage conversion circuit electrically from a power grid and a load, stopping operation of the DC-AC voltage conversion circuit and keeping operation of the DC voltage conversion circuit.



21: 2025/04559. 22: 2025/05/28. 43: 2026/02/03
51: A61K; C07K; C12N; A61P
71: BIOCYTOGEN PHARMACEUTICALS (BEIJING) CO., LTD.
72: HU, Yiqing, ZHANG, Lijun, ZHAO, Huizhen, YAO, Jiawei, SHEN, Yuelei
33: CN 31: PCT/CN2022/136246 32: 2022-12-02
54: ANTI-TFR1 ANTIBODIES AND USES THEREOF
00: -
The present disclosure provides an anti-TFR1 (transferrin receptor 1) antibodies, antigen-binding fragments, and the uses thereof.



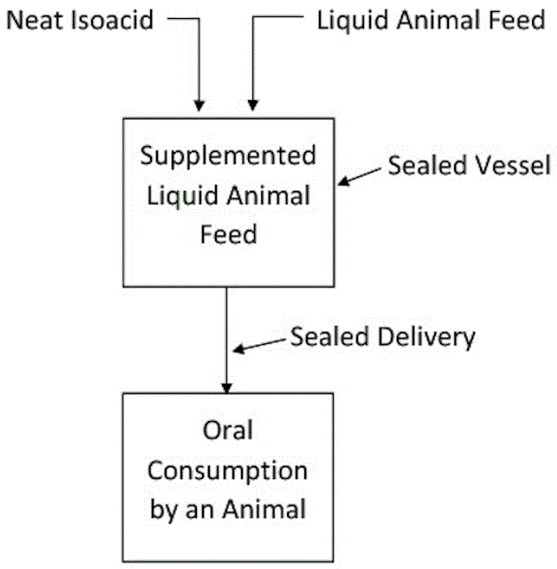
21: 2025/04561. 22: 2025/05/28. 43: 2026/02/03
51: G06T
71: PAN, Yong
72: PAN, Yong
54: A METHOD AND SYSTEM FOR DETECTING INJECTION MOLDING DEFECTS
00: -
The embodiments of the present disclosure provide a method and system for detecting injection molding defects. Applied in the field of image processing technology, it includes: obtaining injection-molded components and extracting defect features from the surface of the components to obtain the defect features; Perform logical operations on the said defect features and calculate the defect detection matrix. Based on the said defect detection matrix, similarity calculation is carried out to obtain the similarity calculation result. According to the said similarity calculation result, the component defects are judged to obtain the judgment result. In this way, the present invention effectively improves the accuracy of defect detection by constructing multiple features of defects and calculating the similarity between defect features and defect images to determine the defects of injection molded parts.



21: 2025/04577. 22: 2025/05/28. 43: 2026/02/03
51: A61K; C07K; C12N; A61P
71: ADLAI NORTYE BIOPHARMA CO., LTD.
72: HE, Nanhai, WANG, Youping, CHEN, Wanwan, ZHU, Kun
33: CN 31: 202211507001.6 32: 2022-11-29
33: CN 31: 202310444884.9 32: 2023-04-20
54: FUSION POLYPEPTIDE AND USE THEREOF
00: -
The present application relates to a fusion polypeptide and the use thereof. Specifically, the fusion polypeptide of the present application comprises a part capable of blocking a PD-1/PD-L1 signal, and a CD86 or a functionally active fragment thereof, and/or a part capable of activating immune responses. The present application also provides the use of the polypeptide.

21: 2025/04578. 22: 2025/05/28. 43: 2026/02/03
51: A23K
71: ZINPRO CORPORATION
72: STARK, Peter A., SOCHA, Michael Thomas
33: US 31: 18/059,142 32: 2022-11-28
54: SYSTEMS AND METHODS FOR SUPPLYING NUTRITIONAL SUPPLEMENTS THAT ELIMINATE PERVASIVE ODORS
00: -
The present disclosure describes methods for supplying nutrients to ruminants, swine, and poultry. Beneficially, the methods and systems disclosed

eliminate pervasive odors characteristic of the nutrients. The methods and systems relate to combining isoacids with liquid feed, blended solid animal feed, or total mixed ration (TMR) and delivering the supplemented feed to animals. Preferably, the isoacids are in a liquid form when combined with a feed.



21: 2025/04611. 22: 2025/05/29. 43: 2026/01/21
51: B60L; B60M; H01R
71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC
72: STRASHNY, IGOR, RAJESH, ROOPA
33: US 31: 17/578,072 32: 2022-01-18
54: SLIDABLE CURRENT COLLECTOR AND METHOD FOR CONTACTING CONDUCTOR RAIL
00: -
A slidable current collector (118) has frame (302) formed as central substrate (308) and sloped shoulders (310, 312) on opposing lateral sides of the central substrate (308). Electrical terminals (306) pass through orifices arranged in at least two rows within the central substrate (308). At least one bumper (318) is disposed on an underside (324) of the central substrate (308) between the at least two rows. During sliding on a power rail (108), the electrical terminals (306) contact a rail surface (408), and the current collector (118) can shift laterally on the rail surface (408) across a distance between the bumper (318) and one of the sloped shoulders (310). If disengagement of the electrical terminals (306) from the rail surface (408) occurs, angles on the sloped shoulders (310, 312) and the at least one bumper (318) resist excessive lateral shifting and urge the electrical contacts to reengage with the rail surface (408).

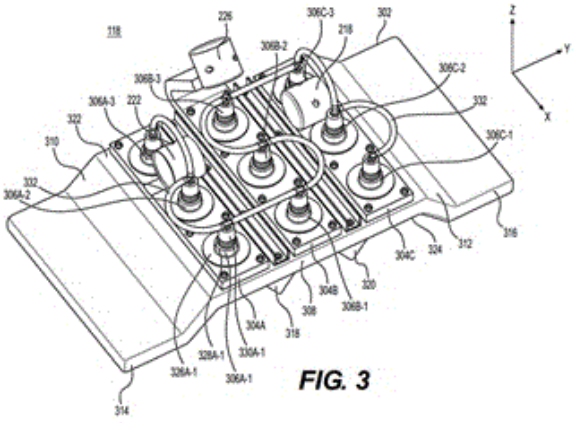
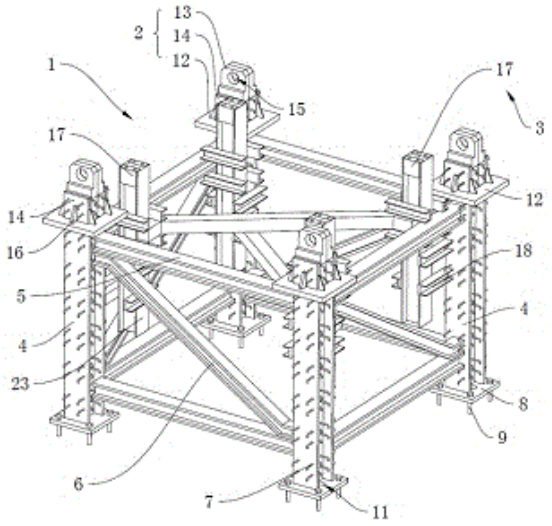


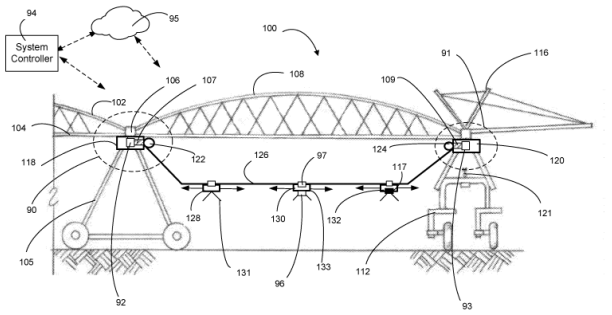
FIG. 3

21: 2025/04629. 22: 2025/05/29. 43: 2026/02/03
51: E02D; B66C
71: CHINA CONSTRUCTION THIRD ENGINEERING BUREAU GROUP (ZHEJIANG) CO., LTD., THE THIRD CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION THIRD ENGINEERING BUREAU, CHINA CONSTRUCTION THIRD ENGINEERING BUREAU GROUP CO., LTD.
72: YOU, JIANHUA , YANG, YUMING, LAI, GUOLIANG, LIAO, JI, CHEN, JIANDONG, LI, DONGYANG, HAN, JIE, WANG, SHUAI , MAO, MINGZHI
33: CN 31: 202410570500.2 32: 2024-05-09
54: SHARED FOUNDATION ADAPTABLE TO TOWER CRANE CONVERSION AND CONSTRUCTION METHOD THEREFOR
00: -
The present application relates to a shared foundation adaptable to tower crane conversion and a construction method therefor, and relates to the technical field of building construction. The construction method for a shared foundation adaptable to tower crane conversion includes the steps of: S1: performing early-stage preparation; S2: taking a pre-embedded section of a heavy-duty tower crane as a main load-bearing component, wherein the pre-embedded section is provided with a first anchor used for connecting to the heavy-duty tower crane, and a second anchor used for connecting to a light-duty tower crane is additionally provided on the pre-embedded section; S3:

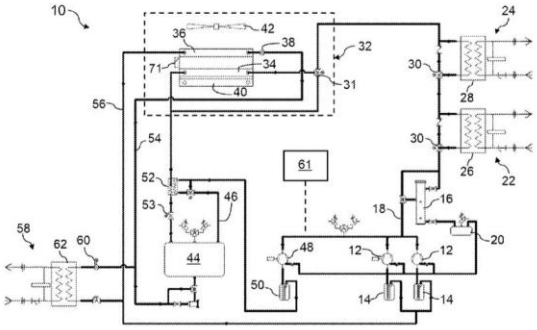
excavating a foundation pit, and mounting a construction horse in the foundation pit; S4: connecting the pre-embedded section with the construction horse, and exposing the first anchor and the second anchor to the ground; and S5: pouring concrete into the foundation pit. In the present application, each component is matched to complete the construction of a shared foundation, and the shared foundation is applicable to the conversion of different tower cranes; and the shared foundation uses a pre-embedded section of an original heavy-duty tower crane as a load-bearing component of the foundation, without the need of additionally making a new pre-embedded section, thereby enabling the shared foundation to not only meet the construction requirements, but also save the production cost.



21: 2025/04719. 22: 2025/06/02. 43: 2026/02/04
51: A01G
71: VALMONT INDUSTRIES, INC.
72: DILLON, Cory J.
33: US 31: 63/489,008 32: 2023-03-08
54: CABLE AND TROLLEY SYSTEM FOR USE WITHIN AN IRRIGATION SPAN ASSEMBLY
00: -
A sensor and spray cable system to provide irrigation and crop treatments to targeted areas beneath and around an irrigation machine. According to a first preferred embodiment, the present invention includes one or more irrigation trolleys which are propelled with and/or along one or more transport cables. The irrigation trolleys include controllers, sensors and irrigation sprayers which work together to apply applicants to discrete areas of a given field.

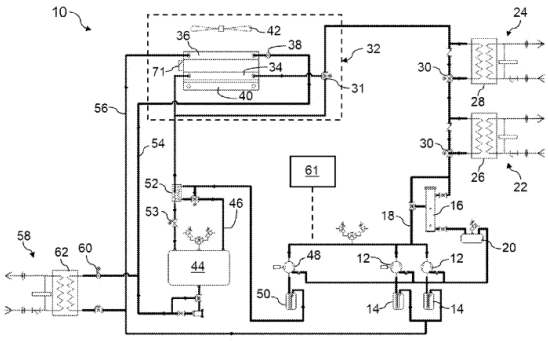


21: 2025/04720. 22: 2025/06/02. 43: 2026/02/04
51: F24F; F25B; F28D
71: FLOW ENVIRONMENTAL SYSTEMS, INC.
72: JARVIE, Sean
33: US 31: 18/074,979 32: 2022-12-05
54: GAS COOLER ASSEMBLY FOR TRANSCRITICAL REFRIGERATION SYSTEM
00: -
A transcritical refrigeration gas cooler assembly comprises at least one gas cooler-condenser having an inlet and an outlet, the inlet configured to receive a carbon dioxide (CO_2) refrigerant from a discharge line of a refrigeration system, at least one evaporator having an inlet and an outlet, the inlet fluidly connected to and downstream of the outlet of the at least one gas cooler-condenser, and an expansion valve positioned upstream of the inlet of at least one evaporator.

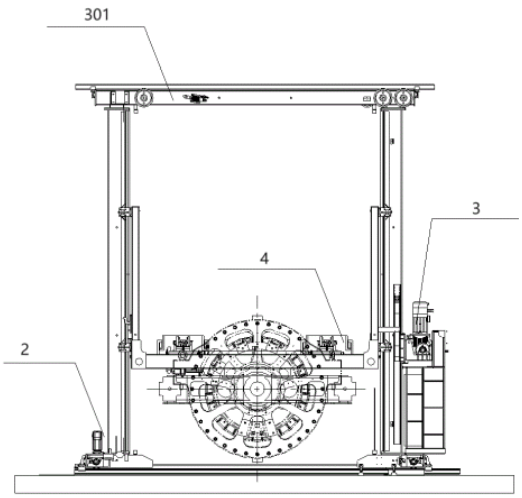


21: 2025/04721. 22: 2025/06/02. 43: 2026/02/04
51: F25B
71: FLOW ENVIRONMENTAL SYSTEMS, INC.
72: JARVIE, Sean
33: US 31: 18/074,987 32: 2022-12-05
54: TRANSCRITICAL REFRIGERATION SYSTEM WITH GAS COOLER ASSEMBLY
00: -

A transcritical refrigeration system comprises at least one primary compressor configured to increase a pressure and temperature of a carbon dioxide (CO_2) refrigerant to a first refrigerant temperature, at least one heat reclaim circuit downstream of the at least one primary compressor and configured to absorb at least a first amount of heat from the CO_2 refrigerant to reduce the temperature of the CO_2 refrigerant to a second refrigerant temperature, and at least one gas cooler assembly downstream of the at least one heat reclaim circuit. The at least one gas cooler assembly comprises at least one gas cooler-condenser comprising an inlet and an outlet, the inlet configured to receive the CO_2 refrigerant at the second refrigerant temperature, at least one evaporator comprising an inlet and an outlet, the inlet fluidly connected to and downstream of the outlet of the at least one gas cooler-condenser, and an expansion valve positioned upstream of the inlet of the at least one evaporator.



21: 2025/04754. 22: 2025/06/03. 43: 2026/02/04
51: C02F
71: No. 719 Research Institute of China State Shipbuilding Corporation Limited
72: WANG Shuai, TAN Haitao, LIU Wei, JIANG Shiliang, SUN Xinzhan, FANG Chang, TIAN Mengnan, ZHAO Bo, CHEN Yahui, LEI Jiayuan, CHENG Yongchao
33: CN 31: 202410749705.7 32: 2024-06-12
54: CABIN ENTRY DEVICE AND METHOD FOR SUSPENDED FLOATING RAFT
00: -
A cabin entry device for a suspended floating raft and a cabin entry method for a suspended floating raft are disclosed. The cabin entry device for the suspended floating raft includes a bearing platform, and a moving mechanism, a lifting mechanism, and a retractable fork that are on the bearing platform. The moving mechanism and the lifting mechanism are respectively used to realize a horizontal movement, and a raising-lowering movement of the retractable fork. An end section of the retractable fork is provided with a hoisting tooling, thereby realizing an entry of the floating raft being hanged, into the cabin. According to an embodiment of the disclosure, a floating raft can be put into a cabin in an integral manner, without needs of disassembling a shock absorber, by the hoisting tooling in cooperation with the retractable fork with a large stroke. Advantages of simple structure, convenient operation can be achieved to effectively improve an efficiency of the floating raft entering the cabin. In addition, motion control mechanisms such as a retractable fork, a moving mechanism, and a lifting mechanism are designed according to an embodiment of the disclosure to achieve a three-way position adjustment for the floating raft in the cabin, to be capable of achieving a precise control of floating raft position and achieving a strong engineering applicability.



21: 2025/04760. 22: 2025/06/03. 43: 2026/02/04
51: A61B; A61M
71: CENTRAL SOUTH UNIVERSITY
72: XIONG, Li, PENG, Yanjin
33: CN 31: 202211385384.4 32: 2022-11-07
54: TRAJECTORY TRACKING DEVICE CAPABLE OF POSITIONING TIP OF INTERVENTIONAL GUIDE WIRE
00: -
The present invention provides a trajectory tracking device capable of positioning a tip of an interventional guide wire. A chip detection assembly is configured for detecting the specific position of a positioning chip in a space of an operating table. A

virtual three-dimensional coordinate system established according to an actual space coordinate system of the operating table is provided in a position calculation system. The current coordinates of the positioning chip are calculated according to data returned by the chip detection assembly, such that the coordinate position of the positioning chip is confirmed in the virtual three-dimensional coordinate system. A display is used for displaying the coordinates and high-lightness points. The positioning chip is arranged at the tip of the guide wire and the like. According to the present invention, a digital three-dimensional model of body surface skin and a blood vessel can be accurately constructed, and corresponds to the virtual three-dimensional coordinate system in the system, allowing for accurate positioning of the guide wire in the blood vessel. Meanwhile, multiple visual displays effectively improve an operator's awareness of the position of the tip of the guide wire, thereby improving the operation reliability, safety and operation speed, being capable of shortening the duration of X-ray radiation during insertion of the guide wire, and reducing the cumulative amount of radiation exposure.

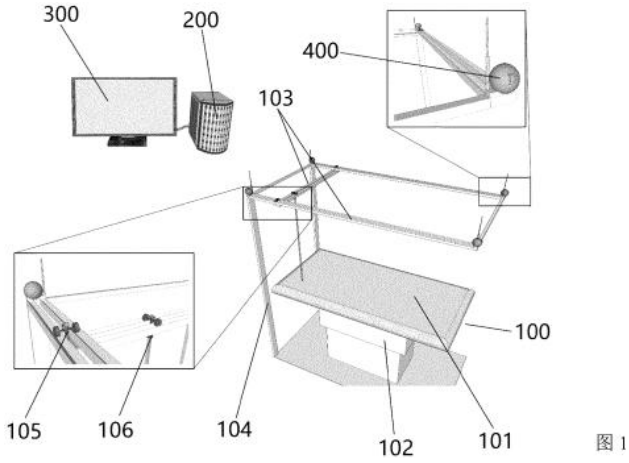
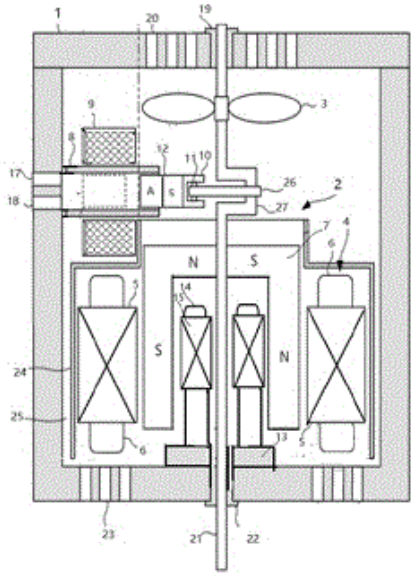


图 1

21: 2025/04767. 22: 2025/06/03. 43: 2026/02/04
51: H02K
71: GREATALL DYNAMIC CO., LTD., BENGBU GREATALL CHENG'EN COMPRESSOR MANUFACTURING CO., LTD.
72: LI, JING, WANG, CHUN, ZHANG, MING
33: CN 31: 202410788197.3 32: 2024-06-19
54: AN AIR-COOLED MOTOR AND A PISTON-TYPE AIR COMPRESSOR
00: -

An air-cooled motor and a piston-type air compressor belong to the technical field of motors. The air-cooled motor includes a housing. Inside the housing, a motor assembly and a fan blade are arranged. The rotor of the motor assembly and the fan blade are arranged on a rotor shaft. A piston-type air compressor is also arranged inside the housing, which includes a cylinder and a piston within the cylinder. A second stator is arranged on the outer periphery of the cylinder, a second winding is arranged on the second stator, and a second permanent magnet is arranged on the piston. When a first alternating current is applied to the first stator, the rotor drives the rotor shaft to rotate, and the fan blade blows air towards the motor assembly and the piston-type air compressor. When a positive-negative polarity rectangular pulse power supply is provided to the second winding, the piston moves inside the cylinder, thereby compressing the air and storing it in a storage container. The present application can cool down the motor assembly and the piston-type air compressor simultaneously with a single fan blade, which not only saves costs but also makes the structure more compact.



21: 2025/04782. 22: 2025/06/04. 43: 2026/02/04
51: B01J; C07C
71: CASALE SA
72: MOREO, Pietro, MUSCIONICO, Isabella, POLETTI, Riccardo
33: EP 31: 22214315.8 32: 2022-12-16

54: METHANOL SYNTHESIS CONVERTER AND PROCESS

00: -

A methanol synthesis converter (1) comprising: a catalytic bed (4) having an annular configuration and configured as an adiabatic catalytic bed or as an isothermal catalytic bed, wherein cooling elements are respectively arranged downstream of the catalytic bed or immersed in the catalyst; an effluent heat exchanger (6) arranged to transfer heat from hot gas (12) effluent from the catalytic bed (4) to a cooling medium, wherein said effluent heat exchanger (6) is located in a central cavity of the annular catalytic bed (4).

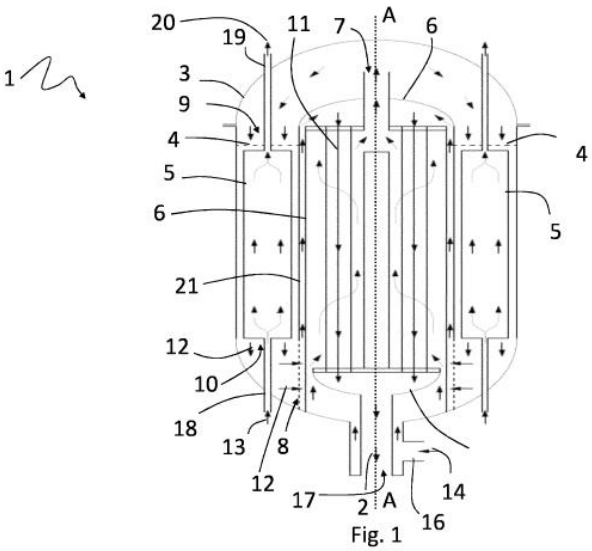


Fig. 1

21: 2025/04808. 22: 2025/06/05. 43: 2026/02/04

51: G06F; G06K; G06Q

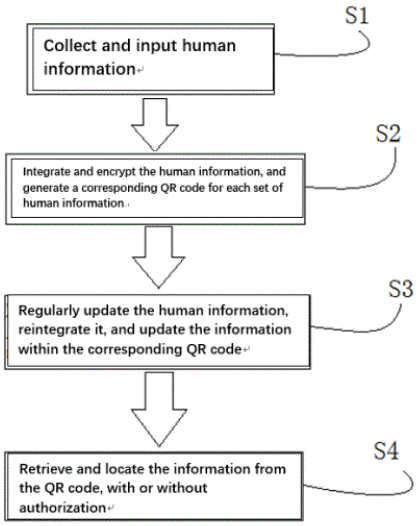
71: Zhanwei Zhang

72: Zhanwei Zhang

54: A METHOD AND SYSTEM FOR GENERATING A HUMAN INFORMATION GREEN CARD

00: -

The present invention discloses a method and system for generating a Human Information Green Card. The method comprises the following steps: collecting and inputting human information; integrating and encrypting the human information, and generating a corresponding QR code for each set of human information; regularly updating the human information, reintegrating it, and updating the information within the corresponding QR code; retrieving information from the QR code and performing location-based queries. A system for generating the Human Information Green Card is also provided. This invention enables the detailed recording and continuous updating of human data and image information, allowing for rapid and accurate location of individuals in the event of a disappearance. Additionally, it provides a comprehensive information database to offer various convenient services. The invention is particularly useful as a guardian card for newborns, missing children, the elderly living alone, or individuals unable to care for themselves. In emergencies or dangerous situations, public security or judicial departments can promptly access relevant personal information and, through the database, quickly and accurately locate individuals to provide assistance.



21: 2025/04836. 22: 2025/06/06. 43: 2026/01/21

51: H04N

71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

72: SÁNCHEZ DE LA FUENTE, Yago, BROSS, Benjamin, SKUPIN, Robert, HELLGE, Cornelius, SCHIERL, Thomas, WIEGAND, Thomas

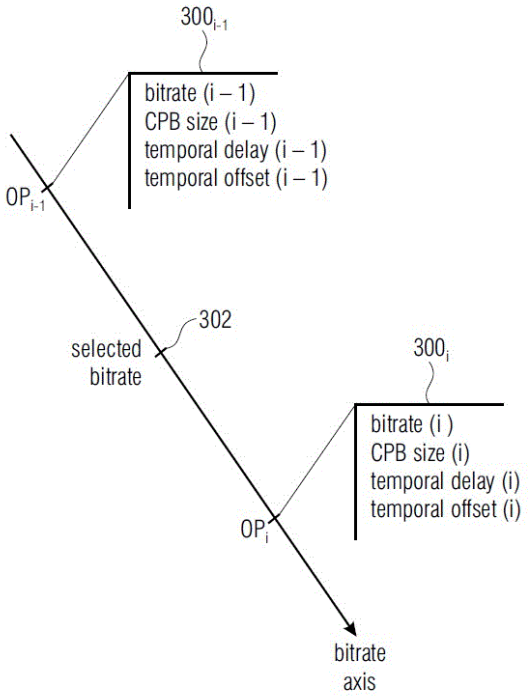
33: US 31: 17/965,591 32: 2022-10-13

54: VIDEO CODING USING A CODED PICTURE BUFFER

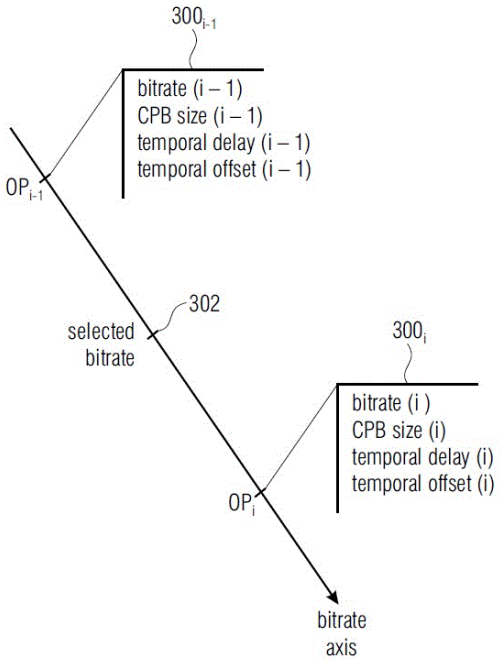
00: -

Interpolation between explicitly signaled CPB (or HRD) parameters at selected bit rates is used to achieve a good compromise between CPB parameter transmission capacity and CPB

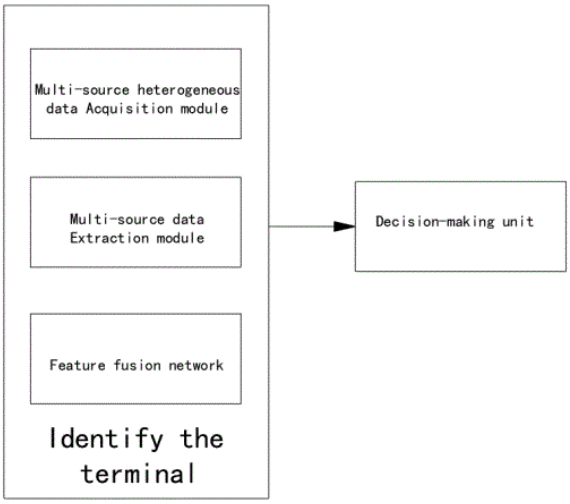
parametrization effectiveness and may be, particularly, made in an effective manner.



21: 2025/04837. 22: 2025/06/06. 43: 2026/01/21
51: H04N
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: SÁNCHEZ DE LA FUENTE, Yago, BROSS, Benjamin, SKUPIN, Robert, HELLGE, Cornelius, SCHIERL, Thomas, WIEGAND, Thomas
33: US 31: 17/965,591 32: 2022-10-13
54: VIDEO CODING USING A CODED PICTURE BUFFER
00: -
Interpolation between explicitly signaled CPB (or HRD) parameters at selected bit rates is used to achieve a good compromise between CPB parameter transmission capacity and CPB parametrization effectiveness and may be, particularly, made in an effective manner.



21: 2025/04843. 22: 2025/06/06. 43: 2026/02/04
51: G06K
71: Xinyu University
72: Zhiping Zhang
54: A MULTI-MODAL FACE RECOGNITION SYSTEM AND METHOD BASED ON FEATURE FUSION NETWORK
00: -
The present invention discloses a multi-modal face recognition system based on a feature fusion network, comprising a multi-source heterogeneous data acquisition module, a multi-source data extraction module, a feature fusion network, and a decision unit. The decision unit is controllably connected to a recognition feedback module. The multi-source heterogeneous data acquisition module is configured to synchronously acquire multi-source data of a face. The multi-source data extraction module extracts spatiotemporal feature vectors based on the collected data from the multi-source heterogeneous data acquisition module. The feature fusion network employs a hierarchical attention fusion mechanism. Compared with the prior art, the advantages of the present invention lie in providing a multi-modal face recognition system and method based on feature fusion network that enhances usage security and utilizes multi-modal data acquisition and comparison.

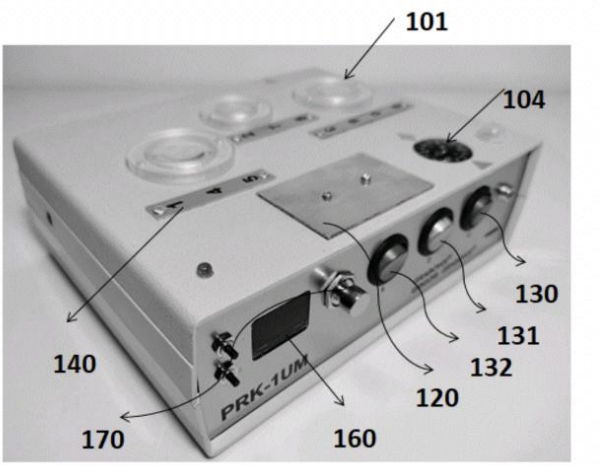


21: 2025/04853. 22: 2025/06/06. 43: 2026/03/03
51: A61M
71: GRABOVOI, Grigorii Petrovich
72: GRABOVOI, Grigorii Petrovich
33: GR 31: 20240100429 32: 2024-06-10

54: A DEVICE OF DEVELOPMENT OF CONCENTRATION COMPRISING THREE MODES AND A COMPUTER-IMPLEMENTED METHOD USED IN THE SAME

00: -

A device 100 for development of concentration, the device 100 comprising: an optical sensing unit, the optical sensing unit comprising a plurality of one or more lenses 201, 202 capable of holding sensitive elements, wherein the plurality of sensitive elements are configured to sense a biological signal provided by a user in at least three operational modes, three switches for switching between the plurality of operation modes; a plurality of lightning units configured to indicate each of the plurality of operation modes by emitting a predetermined light signal; a processing unit for processing information using artificial intelligence.

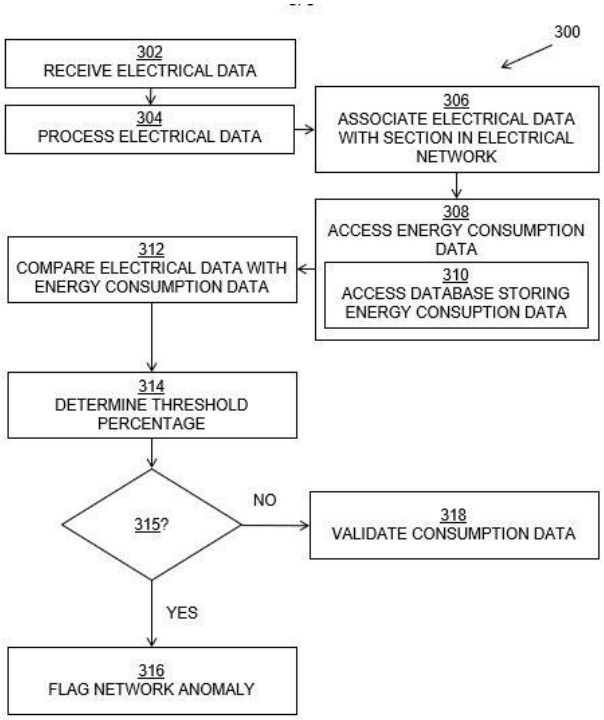


21: 2025/04855. 22: 2025/06/06. 43: 2026/02/05
51: G01R
71: PARKIN, Norman Frederick
72: PARKIN, Norman Frederick
33: ZA 31: 2022/12319 32: 2022-11-11

54: SYSTEM AND METHOD FOR VALIDATING ENERGY CONSUMPTION DATA

00: -

A system and method for validating recorded energy consumption data is provided. The system comprises a power measuring unit and a server computer in data communication with the power measuring unit. The power measuring unit is configured to measure electrical data in a power line associated with a section of an electrical network for processing and to transmit the electrical data to the server computer. The server computer has access to energy consumption data associated with users in the section of the electrical network and is configured to compare the electrical data to the energy consumption data and validate the energy consumption data when the difference between the electrical data and the energy consumption data is less than or equal to a threshold.

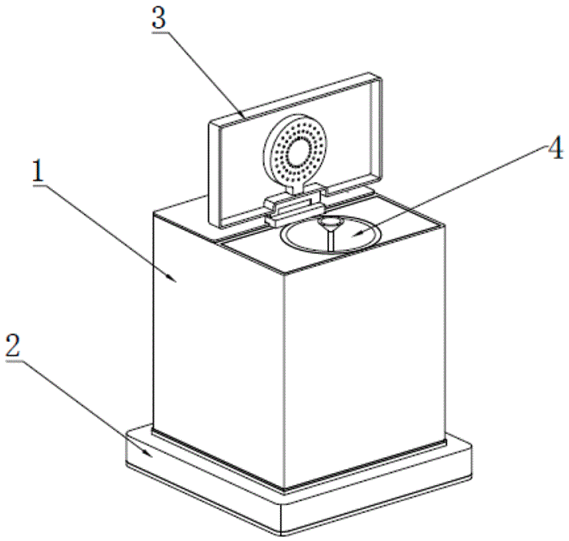


21: 2025/04875. 22: 2025/06/09. 43: 2026/02/05
51: A61L
71: QuZhou People's Hospital (The Central Hospital Of Qu Zhou)
72: Yang Hong, Lu Weili

54: THE DISINFECTION DEVICE FOR TUBERCULOSIS

00: -

The present invention belongs to the technical field of medical devices, and specifically relates to a disinfection device for tuberculosis, comprising a base, a device main body, an upper cover, an upper part of a disinfection area, a lower part of the disinfection area, a vacuum pump, and a sputum storage area. The base is provided with a suction cup, the suction cup is communicated with the sputum storage area, and the vacuum pump is communicated with the sputum storage area for evacuating the sputum storage area. The position of the sputum storage area is lower than the lower part of the disinfection area. A sputum storage cylinder and a liquid inlet pipe are arranged in the sputum storage area. The inlet of the liquid inlet pipe is communicated with the bottom of the lower part of the disinfection area, the outlet of the liquid inlet pipe extends downward into the sputum storage cylinder, and a check valve is arranged on the liquid inlet pipe to prevent substances from flowing to the lower part of the disinfection area. The upper part of the disinfection area is provided with a funnel structure, the funnel structure is provided with a sputum inlet funnel, the bottom outlet of the sputum inlet funnel is connected with a hose, and the hose passes through the bottom of the funnel structure and extends to the lower part of the disinfection area. The invention is convenient for patients to use, realizes the isolation between the sputum storage area and the disinfection area, and reduces the chance of diffusion and infection.



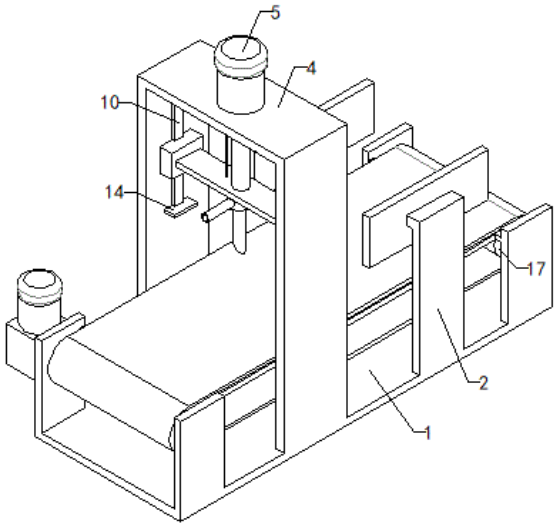
21: 2025/04886. 22: 2025/06/09. 43: 2026/02/05
51: F16J
71: Yunnan Animal Science and Veterinary Institute
72: Guobo Quan, Xiaojun Ni, Xiaoqi Zhao, Baiji Danzeng, Yinjiang Li, Hongyuan Yang

54: STIRRING AND SEALING METHOD FOR BAGGED SILAGE

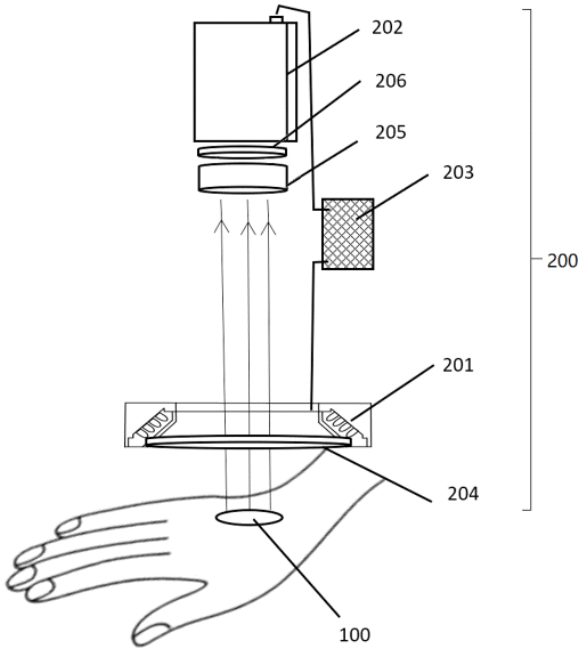
00: -

The invention relates to the technical field of silage processing, and in particular to a stirring and sealing method for bagged silage, wherein the bagged silage stirring and sealing machine adopted by the invention is additionally provided with a feeding mechanism that can be lifted and lowered, so that uniform feeding of the feed inside before stirring can be achieved, thereby optimizing the stirring effect and improving practicality; the invention comprises a base, a station bracket and a stirring and bagging sealing station, wherein the middle and rear side of the top end of the base is connected to the bottom

end of the station bracket, the inner side of the upper part of the station bracket is connected to the outer side of the stirring and bagging sealing station, and further comprises a support frame, a reciprocating motor, a threaded rod, a threaded pipe, a connecting frame, a slider, a guide rail and a long dosing tube, wherein the front side of the top end of the base is connected to the bottom end of the support frame, the bottom end of the threaded pipe is connected to the middle part of the top end of the connecting frame, the left and right sides of the connecting frame are respectively connected to the inner sides of a group of sliders, the upper ends of the left and right sides inside the support frame are respectively connected to the outer sides of a group of guide rails, the middle part of the bottom end of the connecting frame is connected to the top of the long dosing tube, and the outer side of the top end of the base is also connected to a moving mechanism.

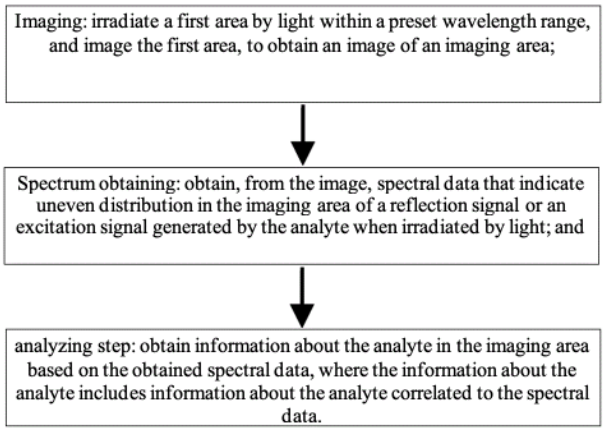


21: 2025/04888. 22: 2025/06/09. 43: 2026/02/05
51: G01N
71: SENSURA PTE. LTD
72: Hongzhi ZHENG
33: CN 31: 2024109514644 32: 2024-07-16
54: SYSTEM FOR ILLUMINATING ANALYTE AND SYSTEM FOR TESTING ANALYTE
00: -
The present invention provides a system for illuminating an analyte and a system for testing an analyte which relate to the field of optical analysis. The system for illuminating the analyte includes a shell and a light source. The light source is capable of providing light within a preset wavelength range; and the shell is capable of fitting a tested part of a tested object and forming an imaging area at a fitting position, and the light source illuminates the imaging area. According to this application, a wavelength range of light provided by the light source covers both a wavelength range within which analyte distribution data can be obtained and a wavelength range within which analyte spectral data can be obtained, and the light source is set as a ring-shaped light source, to provide stable and uniform illumination for the imaging area.



21: 2025/04889. 22: 2025/06/09. 43: 2026/02/05
51: G01N
71: SENSURA PTE. LTD
72: Hongzhi ZHENG
33: CN 31: 2024109514409 32: 2024-07-16
54: METHOD AND SYSTEM FOR TESTING ANALYTE, MEDIUM, AND DEVICE
00: -
The present invention provides a method and a system for testing an analyte, a medium, and a device which relate to the field of optical analysis. The method comprises: imaging: irradiating a first area by light within a preset wavelength range, and imaging the first area, to obtain an image of an imaging area; spectrum obtaining: obtaining, from the image, spectral data that indicate uneven distribution in the imaging area of a reflection signal

or an excitation signal generated by the analyte when irradiated by light; and analyzing step: obtaining information about the analyte in the imaging area based on the obtained spectral data, wherein the information about the analyte comprises information about the analyte correlated to the spectral data.

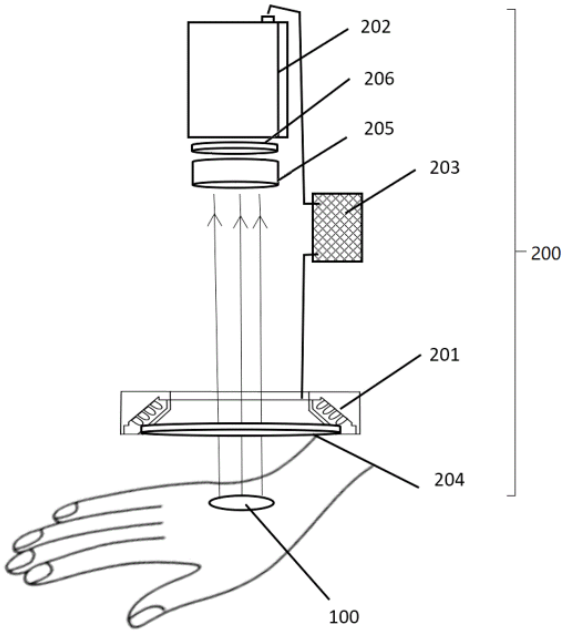


21: 2025/04890. 22: 2025/06/09. 43: 2026/02/05
51: G01N
71: SENSURA PTE. LTD
72: Hongzhi ZHENG
33: CN 31: 2024109514663 32: 2024-07-16

54: SYSTEM FOR ANALYTE SPECTRAL COLLECTION AND SYSTEM FOR TESTING ANALYTE

00: -

The present invention provides a system for analyte spectral collection and a system for testing an analyte, and the system for analyte spectral collection, which relate to the field of optical analysis. The system for analyte spectral collection includes a shell and an imaging spectrum detection apparatus. The apparatus obtains a light signal in an imaging area, and includes a sensor and a periodic pixel-level light filtering structure, disposed on a surface of the sensor. The filtering structure performs spectral modulation on an incoming light signal, and the sensor generates an image containing spectral information to be tested. In this application, the periodic pixel-level light filtering structure disposed on the surface of the sensor performs spectral modulation on the incoming light signal, so that the sensor generates an image containing spectral information to be tested, helping analyte spectral collection be performed more simply.

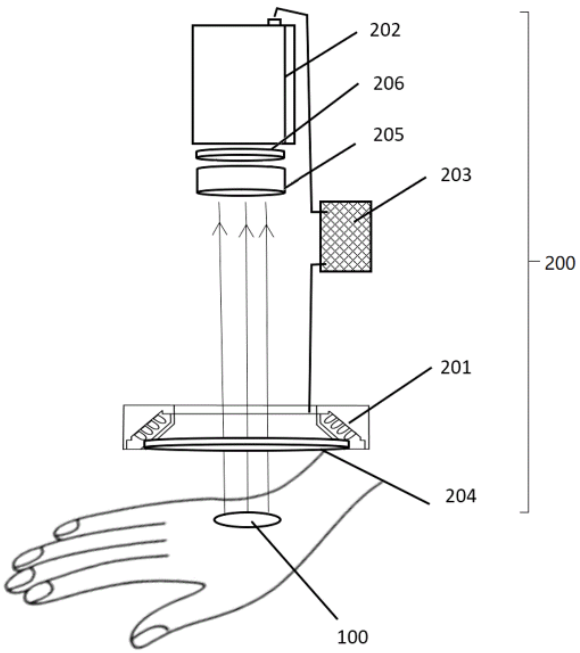


21: 2025/04899. 22: 2025/06/09. 43: 2026/02/05
51: G01N
71: SENSURA PTE. LTD
72: Hongzhi ZHENG
33: CN 31: 2024109515613 32: 2024-07-16

54: SYSTEM AND APPARATUS FOR TESTING ANALYTE

00: -

The present invention provides a system and an apparatus for testing an analyte which relate to the field of optical analysis. The system for testing the analyte includes a light source, an imaging spectrum detection apparatus, and a controller. The controller establishes an electric connection or communication connection with the light source and the imaging spectrum detection apparatus separately, and the light source is capable of providing light within a preset wavelength range; and under the effect of the controller, the light source provides the light within the preset wavelength range to a specified area, and the imaging spectrum detection apparatus images the specified area to obtain a corresponding image and/or spectral data.

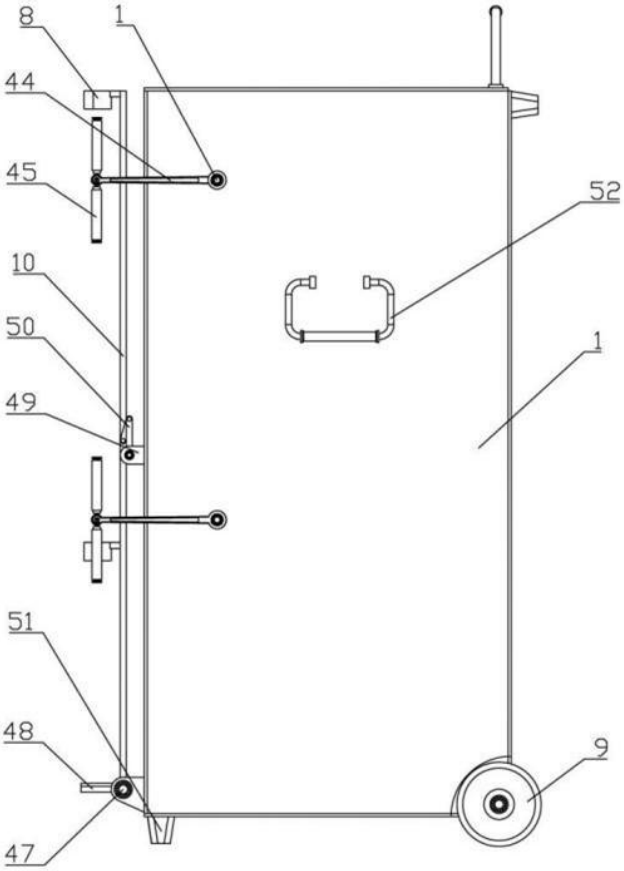


21: 2025/04900. 22: 2025/06/09. 43: 2026/02/16
51: B65H
71: STATE GRID KEZHOU ELECTRIC POWER SUPPLY COMPANY
72: ABUDOUAINIJIANG, Ayinuer, GAO, Jiusheng, YUSUFU, Maimaitishabier, REJIFU, Maidina, XIE, De, CONG, Honghao, WANG, Ling, SHI, Junzhu, REN, Xiuxiang, CHAI, Ronghui, WANG, Xueyi, MILAWUXI, Ababaikere, DONG, Yaoze
33: CN 31: 202410960980.3 32: 2024-07-17

54: PORTABLE GROUNDING WIRE STORAGE BOX

00: -

The present invention relates to the technical field of grounding wire storage, and is a portable grounding wire storage box, including an insulation box, a first winding assembly, a second winding assembly, a third winding assembly, a fourth winding assembly and a storage rack. The first winding assembly and the second winding assembly are disposed at intervals in the front-to-back direction at the inner side of the upper portion of the insulation box, and the third winding assembly and the fourth winding assembly are disposed at intervals in the front-to-back direction at the inner side of the lower portion of the insulation box.



21: 2025/04914. 22: 2025/06/09. 43: 2026/02/06
51: C10L; F23K
71: QINGDAO HENGNENGDA ENERGY TECHNOLOGIES CO., LTD.
72: ZHANG, Yongheng
33: CN 31: 202311528556.3 32: 2023-11-16

54: METHOD FOR PROMOTING COMBUSTION OF COMBUSTIBLE MATERIAL, IMPROVING POWER OUTPUT OF COMBUSTION DEVICE AND PROLONGING SERVICE LIFE OF COMBUSTION DEVICE

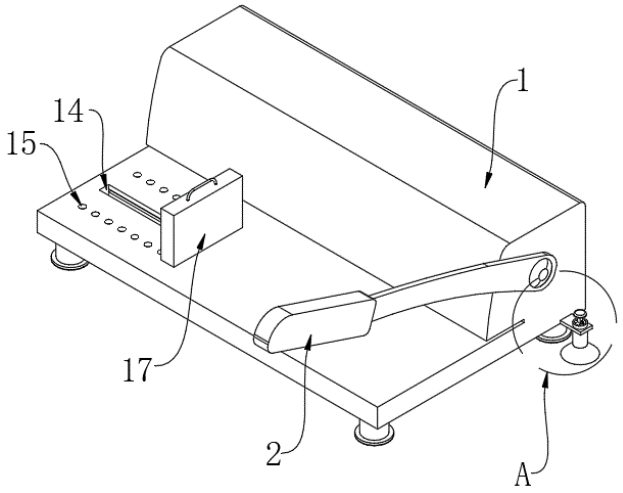
00: -

A method for promoting the combustion of a combustible material, improving the power output of a combustion device and prolonging the service life of the combustion device by adding an alkali metal element and/or an alkaline earth metal element into the combustible material, relating to the technical field of combustion supporting. The method is applicable to various combustible materials and various combustion devices. A combustion device, and a fuel for promoting the combustion of a combustible material, improving the power output of a combustion device and prolonging the service life of the combustion device, respectively comprising a

combustion device, and a fuel for nuclear fusion and nuclear fission. The method can enable all kinds of combustion devices to be reliably started and efficiently and safely work in any environment.

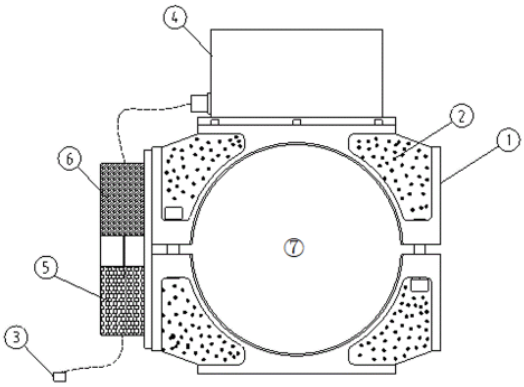
21: 2025/04932. 22: 2025/06/10. 43: 2026/02/05
51: B42B
71: GUANGDONG OCEAN UNIVERSITY
72: LI Zixian
54: BINDING MACHINE FOR ACCOUNTING VOUCHERS
00: -

The present invention relates to the technical field of office supplies, and provides a binding machine for accounting vouchers, including a binding machine body. An outer wall of a right side of the binding machine body is rotatably connected to a cutting knife, outer walls of both left and right sides of the binding machine body are fixedly connected to connecting plates, middles of the connecting plates are fixedly connected to cylinders, bottoms of the cylinders are fixedly connected to suction cups, pressurization assemblies are arranged in the cylinders, locking assemblies are arranged on tops of the cylinders; a sliding groove is disposed at a front side of a top of the binding machine body, a plurality of positioning holes are disposed at the front side of the top of the binding machine body, an inner wall of the sliding groove is slidably connected to a sliding plate. In the present invention, through the cooperation of the pressurization assemblies and the locking assemblies, pulling the pull rods upward drives the pistons to change the air pressure inside the cylinders, so that the suction cups are closely attached to the workbench surface under the action of air pressure difference. The insertion rods are engaged with the fixing holes to lock the pull rods, ensuring that the binding machine does not displace in the binding process.



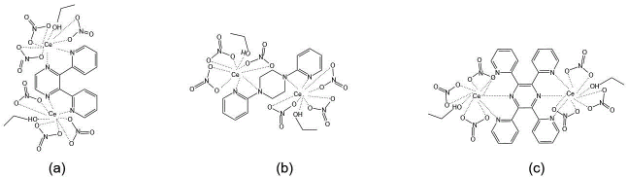
21: 2025/04933. 22: 2025/06/10. 43: 2026/02/05
51: F16L
71: No. 719 Research Institute of China State Shipbuilding Corporation Limited
72: LEI Chengyou, ZHANG Miao, WANG Li, ZHOU Liubin, NIE Xiuyi, LI Senchen, MA Xunjun
33: CN 31: 202510597025.2 32: 2025-05-09
54: PIPELINE VIBRATION ABSORPTION DEVICE
00: -

The invention discloses a pipeline vibration absorption device, which aims to solve shortcomings of existing pipeline vibration control means and realize a wide band vibration reduction. The device consists of a passive vibration absorption portion and an active vibration absorption portion. A medium-high frequency vibration absorption unit of the passive vibration absorption portion is filled with a particle damping, and is connected to pipelines through a pipe clamp to absorb a medium-high frequency vibration. The active vibration absorption portion, including a vibration sensor, an active vibration absorber, a controller and a power amplifier, is used to control low frequency vibration. When working, the medium-high frequency vibration is first reduced by the medium-high frequency vibration absorption unit, and then the low frequency vibration is offset by the active vibration absorption portion. The device effectively reduces wide band vibration of pipelines, optimizes performance of control system, and simplifies structure and reduces costs.



21: 2025/04943. 22: 2025/06/10. 43: 2026/02/06
51: A61K; C12M; C12N
71: BIO CREATIONS MEDICAL, LLC
72: BURCKHARDT, Oliver, PINTO, Daniel, CASTILLO, Laura Bordallo, AGASHCHUK, Andrey
33: US 31: 63/383,574 32: 2022-11-14
33: US 31: 63/383,578 32: 2022-11-14
54: BIOLOGICAL TISSUE AND METHOD OF MANUFACTURING
00: -
A processed adipose tissue is described, having an extracellular matrix derived from human adipose tissue and adipocyte cells having an intact adipocyte composition of at least 10%. A method of processing adipose tissue and a media loading tool are also described.

21: 2025/04958. 22: 2025/06/11. 43: 2026/02/06
51: C08L
71: Guangxi Jianghe Agricultural Technology Co., Ltd.
72: Heqing Yu
54: RARE EARTH LIGHT-CONVERSION FILM AND AGRICULTURAL USE THEREOF
00: -
The invention relates to the field of film material preparation, particularly to a preparation of a rare earth light-conversion film and an agricultural use thereof. The invention provides a rare earth light-conversion film. A stable rare earth light-conversion agent is formed by coordinating rare earth element compounds with nitrogen-containing heterocyclic compounds. This agent is combined with a film matrix of PBT or PU as a carrier, and an oxazoline compound is added as a hydrolysis inhibitor. The oxazoline compound can further coordinate with the rare earth conversion agent, enhancing the light-conversion properties of rare earth cations. Additionally, the incorporation of a toughening agent and the use of a masterbatch preparation method further improve the film's tensile strength and elongation at break, ensuring long-term and repeated usability, and enhancing agricultural productivity. The planting nutrient package containing the rare earth light-conversion film prepared by the invention can promote early ripening of tomatoes, increase the content of vitamin C and lycopene in tomatoes, which is of great benefit to agricultural production.



21: 2025/04961. 22: 2025/06/11. 43: 2026/01/30
51: E04B
71: TATE ACCESS FLOORS, INC.
72: BIELKOV, MAKSYM, MAHER, JAMES DENIS, BUSS, CHRISTOPHER, FOX, LUCAS MICHAEL
33: US 31: 18/799,201 32: 2024-08-09
54: ELONGATED CEILING GRID MEMBER AND CEILING GRID ASSEMBLY INCLUDING A PLURALITY OF THE ELONGATED CEILING GRID MEMBER
00: -
An elongated ceiling grid member including (1) an upper portion having spaced upper portion side walls (a) threaded to receive and retain a first threaded member and (b) with lowermost edges, (2) a lower portion having spaced lower portion side walls (a) threaded to receive and retain a second threaded member and (b) with uppermost edges, and (3) a middle portion that (a) connects the lowermost edges of the upper portion side walls and the uppermost edges of the lower portion side walls and (b) includes a pair of middle portion side walls that curve inwardly from the lowermost edges of the upper portion side walls and the uppermost edges of the lower portion side walls to contact each other between those edges.

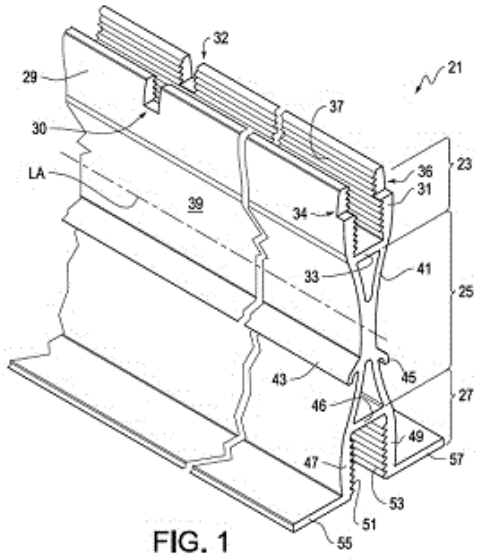
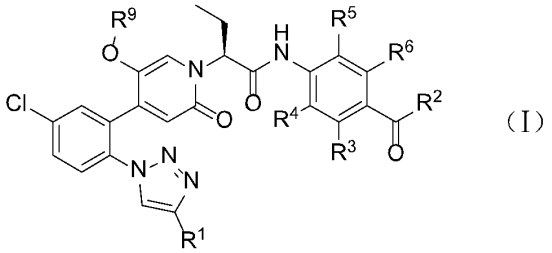


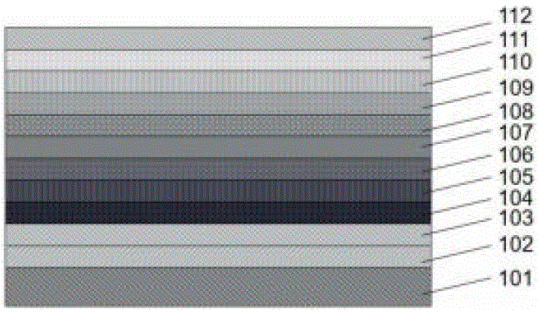
FIG. 1

21: 2025/04971. 22: 2025/06/11. 43: 2026/02/06
51: A61K; C07D; A61P
71: CHENGDU SHIBEIKANG BIOMEDICAL TECHNOLOGY CO., LTD.
72: ZENG, Yanqun, ZHU, Xucheng, HUANG, Long, ZHOU, Guanglin, FU, Haixia
33: CN 31: 202211647390.2 32: 2022-12-21
54: NOVEL OXO-PYRIDINE COMPOUND, PREPARATION METHOD THEREFOR, AND USE THEREOF
00: -
Disclosed in the present invention are a compound as represented by formula (I), a stereoisomer or pharmaceutically acceptable salt thereof, and a key intermediate thereof. The present invention also provides a use of the compound, and the stereoisomer or pharmaceutically acceptable salt thereof in preparation of drugs for treating and/or preventing FXIa receptor-related diseases, especially a use in preparation of drugs for treating and/or preventing cerebrovascular arterial diseases and/or peripheral arterial diseases.



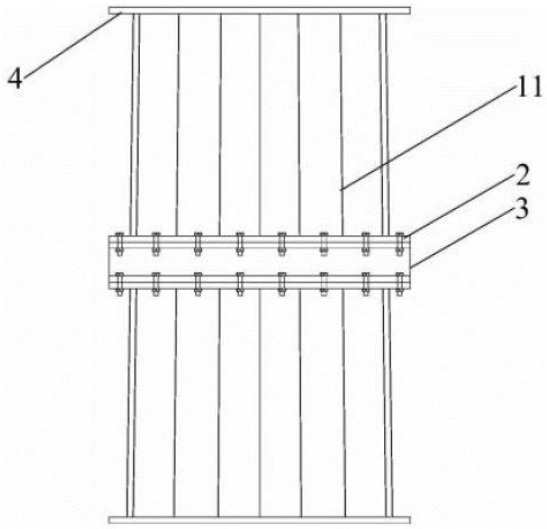
(I)

21: 2025/04988. 22: 2025/06/12. 43: 2026/02/06
51: H02S
71: CHINA HUADIAN ENGINEERING CO., LTD., HUADIAN ZHONGGUANG NEW ENERGY TECHNOLOGY CO., LTD
72: LIU, Xuewu, LI, Zhuoxin, ZHENG, Liming, HOU, Yu, CONG, Jianou, WANG, Hongyu, WANG, Peiming
33: CN 31: 202411635444.2 32: 2024-11-15
54: PHOTOVOLTAIC PHOTOTHERMAL COUPLING SYSTEM, PREPARATION METHOD THEREFOR, AND USE THEREOF
00: -
The present disclosure relates to the technical field of solar power generation, and in particular, to a photovoltaic photothermal coupling system, a preparation method therefor, and use thereof. The photovoltaic photothermal coupling system includes a semi-transparent photovoltaic cell, a photothermal reflector, a photothermal collector unit, and a coupling bracket. The semi-transparent photovoltaic cell is fixedly arranged above the photothermal reflector through the coupling bracket, and the photothermal collector unit is arranged above the semi-transparent photovoltaic cell and is connected to the photothermal reflector through the coupling bracket. The photovoltaic photothermal coupling system of the present disclosure integrates the advantages of photovoltaic power generation and photothermal conversion, significantly enhancing solar energy utilization efficiency and achieving multifunctional integration.



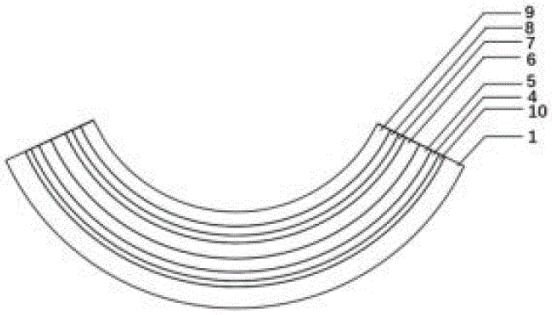
21: 2025/04989. 22: 2025/06/12. 43: 2026/02/06
51: F03D
71: CHINA HUADIAN ENGINEERING CO., LTD., HUADIAN ZHONGGUANG NEW ENERGY TECHNOLOGY CO., LTD
72: LIU, Xuewu, LI, Jiafan, SONG, Guanghui, HUANG, Ligen, SUN, Yankun, SHI, Jun, LI, Zhuoxin, ZHENG, Liming, HU, Xiaochun, ZHANG, Pengyuan

33: CN 31: 202411883081.4 32: 2024-12-19
54: ASSEMBLED TOWER STRUCTURE, WIND TURBINE GENERATOR SET, AND INSTALLATION METHOD
00: -
Provided are an assembled tower structure, a wind turbine generator set, and an installation method. The assembled tower structure includes a plurality of tower assemblies capable of being assembled. Each of the tower assemblies includes two tower bodies capable of being assembled, each of the tower bodies includes a plurality of vertical profile steels arranged in an annular array, and concrete is filled between the plurality of vertical profile steels, to form an annular steel-concrete profile steel; each of the tower bodies further includes an annular steel plate connected to open ends of the plurality of vertical profile steels; each of the tower bodies further includes a connecting plate connected to a connecting end of each of the vertical profile steels; and each of the tower assemblies further includes a connecting member, connecting ends of the plurality of the vertical profile steels of the two tower bodies are connected to both ends of the connecting member through the corresponding connecting plate. The plurality of tower assemblies are used for assembling in the embodiment, providing convenience for transportation and construction processes. The tower bodies formed by assembling the vertical profile steels can enhance the strengths of the tower bodies and reduce costs. The arrangement of the connecting plate facilitates the connection with the connecting member and also enhances the connecting strength.

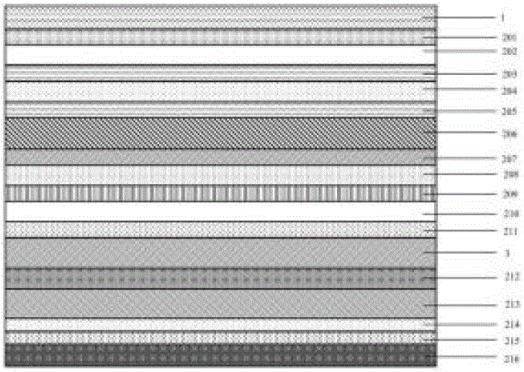


21: 2025/04993. 22: 2025/06/12. 43: 2026/02/06
51: H01L
71: CHINA HUADIAN ENGINEERING CO., LTD., HUADIAN ZHONGGUANG NEW ENERGY TECHNOLOGY CO., LTD
72: LIU, Xuewu, LI, Zhuoxin, WANG, Hongyu, KAN, Tongli, HOU, Yu, ZHOU, Yunshan, LI, Jiafan, SONG, Xin
33: CN 31: 202411630446.2 32: 2024-11-15
54: FLEXIBLE SEMI-TRANSPARENT PHOTOVOLTAIC CELL STRUCTURE HAVING INFRARED LIGHT REFLECTION FUNCTION, PREPARATION METHOD THEREFOR, AND USE THEREOF
00: -
Disclosed are a flexible semi-transparent photovoltaic cell structure having an infrared light reflection function, a preparation method therefor, and use thereof. A curved reflector, a substrate layer, a first transparent electrode and/or a first transport layer, a light absorption layer, a second transport layer and/or a second transparent electrode, and an encapsulation layer are sequentially arranged on the flexible semi-transparent photovoltaic cell structure of the present disclosure; other layers are attached or directly prepared on a surface of the curved reflector; where the first transport layer is a hole transport layer or an electron transport layer, the second transport layer is an electron transport layer or a hole transport layer, and the substrate layer is a flexible high-transparency substrate or a flexible spectrally selective transflective layer. The flexible semi-transparent photovoltaic cell structure having an

infrared light reflection function can be used to a trough-type and dish-type solar thermal power stations, improving the utilization rate of the sunlight spectra, significantly enhancing the synergistic utilization efficiency of photovoltaic power generation and photothermal utilization, and presenting broad application prospects.

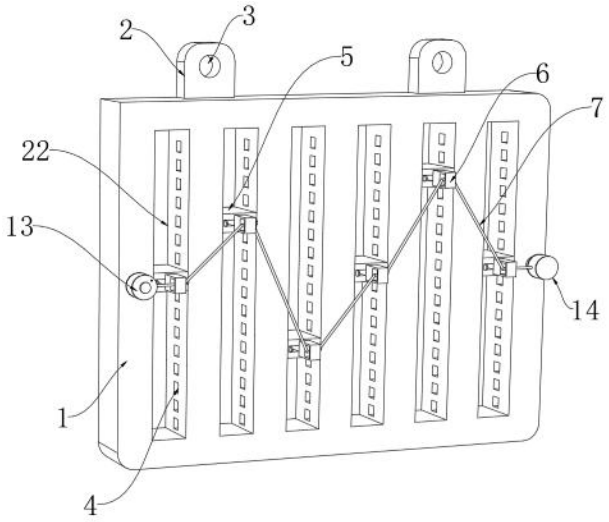


21: 2025/04994. 22: 2025/06/12. 43: 2026/02/06
51: H01L
71: CHINA HUADIAN ENGINEERING CO., LTD., HUADIAN ZHONGGUANG NEW ENERGY TECHNOLOGY CO., LTD
72: LI, Zhuoxin, LIU, Xuewu, KAN, Tongli, ZHENG, Liming, ZHOU, Yunshan, CONG, Jianou, HU, Xiaochun, ZHAO, Jian
33: CN 31: 202411573904.3 32: 2024-11-06
54: PHOTOVOLTAIC CELL, PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
The present disclosure relates to the technical field of solar cells, and in particular, to a photovoltaic cell with a high thermal energy and long-wavelength photon reflection function, a preparation method therefor, and use thereof. The photovoltaic cell includes an encapsulation layer, a first transparent electrode, a light absorption layer, a second transparent electrode, glass, a reflective coating, a bearing base layer, an anti-rust paint layer, and a high anti-UV acrylic layer disposed sequentially from top to bottom. The photovoltaic cell of the present disclosure utilizes the complementary absorption of different solar spectral bands by the photovoltaic cell and the photothermal collector, not only enabling secondary absorption of sunlight by the photovoltaic cell but reflecting all long-wavelength light, thereby attaining the goal of making full use of the solar spectrum and achieving higher energy conversion efficiency. Experimental data show that the photoelectric conversion efficiency of the traditional semi-transparent photovoltaic cells is about 15%-18%, while the total photoelectric and photothermal conversion efficiency of the photovoltaic cell with a high thermal energy and long-wavelength photon reflection function of the present disclosure can be increased to above 28%-35%.



21: 2025/05029. 22: 2025/06/13. 43: 2026/02/09
51: G09B
71: GUANGDONG OCEAN UNIVERSITY
72: SU Linting
54: ECONOMIC-FINANCIAL TREND CURVE SIMULATION DEVICE
00: -
The invention relates to the technical field of financial trends, and discloses an economic-financial trend curve simulation device. The device includes a display case, and a top portion of the display case is fixedly connected with two mounting blocks, each having a mounting groove formed therein; the display case contains multiple sliding grooves formed internally, with a fixing assembly disposed on inner walls of the sliding grooves; and an adjustment assembly is arranged externally on the display case; the adjustment assembly includes a fixing block and a connecting block, an exterior of the connecting block is fixedly connected to an exterior of the display case, and an exterior of the fixing block is fixedly connected to the exterior of the display case. In the present invention, by rotating a handle on the exterior of the regulating rod to wind and tighten the elastic rope, and making the coil spring deform to store elastic potential energy, the second spring pushes the pawl to engage with the ratchet wheel after stopping rotation, preventing reverse rotation of the regulating rod. This achieves fixation of the elastic rope in a tightened state and avoids

slackness of the elastic rope during prolonged use that causes bending and affects the display performance of the simulation device.

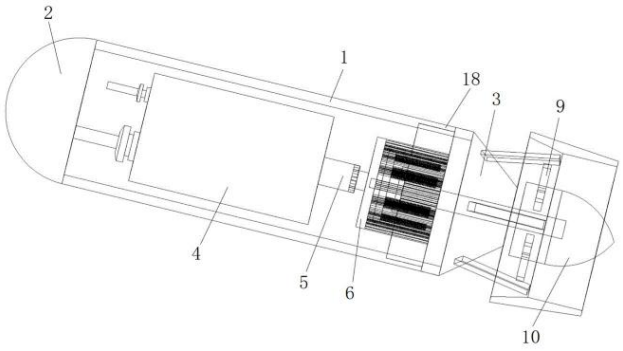


21: 2025/05034. 22: 2025/06/13. 43: 2026/02/09
51: B63H
71: Ocean University of China, Changchun University of Science and Technology
72: WEN,Qi, LI, Junyang, ZHANG, Hao, LI, Yingchao, FU, Qiang, SHI, Haodong, WANG, Lihong, HU, Shuntao, LIU Shilong
33: CN 31: CN202411918065.4 32: 2024-12-25

54: MAGNETICALLY COUPLED ADJUSTABLE-SPEED PROPELLER AND ITS CONTROL METHOD

00: -

The invention discloses a magnetically coupled adjustable-speed propeller and its control method. The propeller comprises a motor, a driving assembly, and a driven assembly housed inside a cabin. The motor drives the driving assembly, which is equipped with multiple first permanent magnets. The driven assembly is equipped with multiple second permanent magnets magnetically coupled with the first permanent magnets. A magnetic controller, including a disk and electromagnets, is installed between the first and second permanent magnets. The disk is rotatably connected to the driving assembly, and the electromagnets are detachably mounted on the disk. By altering the state of the electromagnets (e.g., voltage, frequency, quantity, or coil turns), the rotational speed of the driven assembly and the propeller blade can be adjusted. This design eliminates frictional losses in traditional mechanical transmissions, enables multi-mode speed regulation, adapts to diverse scenarios, and significantly improves transmission efficiency.

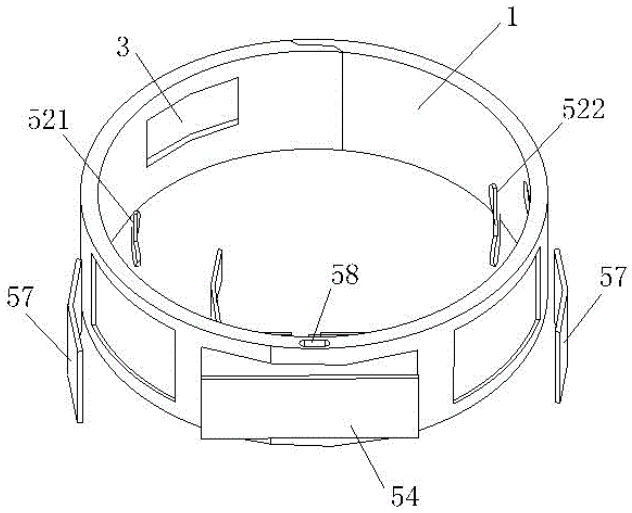


21: 2025/05070. 22: 2025/06/17. 43: 2026/02/11
51: A01K
71: Ocean University of China, Changchun University of Science and Technology
72: WEN, Qi, LI, Junyang, ZHANG, Hao, LI, Yingchao, FU, Qiang, SHI, Haodong, WANG, Lihong, LI, Jihao, ZHAO, Qingyuan
33: CN 31: CN202411537900.X 32: 2024-10-31

54: SMA-BASED INTELLIGENT PET COLLAR

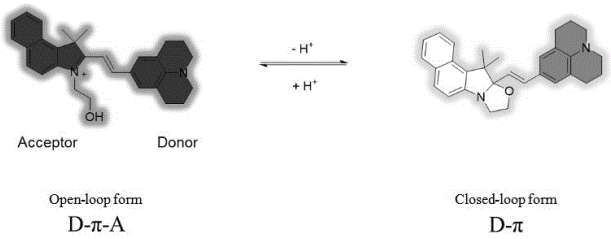
00: -

The present invention provides an SMA-based intelligent pet collar, which relates to the technical field of intelligent wearables. In the SMA-based intelligent pet collar of the present invention, when it is necessary to monitor the pet's pulse, temperature, etc., when the pressure sensor monitors that the pressure value is lower than the set value, the main control chip triggers the forward action of the SMA action module to drive the collar base to tighten. When there is no need to monitor the pet's pulse, temperature, etc., or when the pressure sensor monitors that the pressure value is too large, the main control chip triggers the reverse action of the SMA action module to drive the collar base to relax. In this way, the intelligent pet collar can adaptively fit the pet's neck, ensuring the accuracy of the data monitored by the sensor module and not affecting the healthy growth of the pet. In addition, the sensor module and other modules of the intelligent pet collar are optimized and improved to improve the accuracy and application performance of the monitored data of the intelligent pet collar.



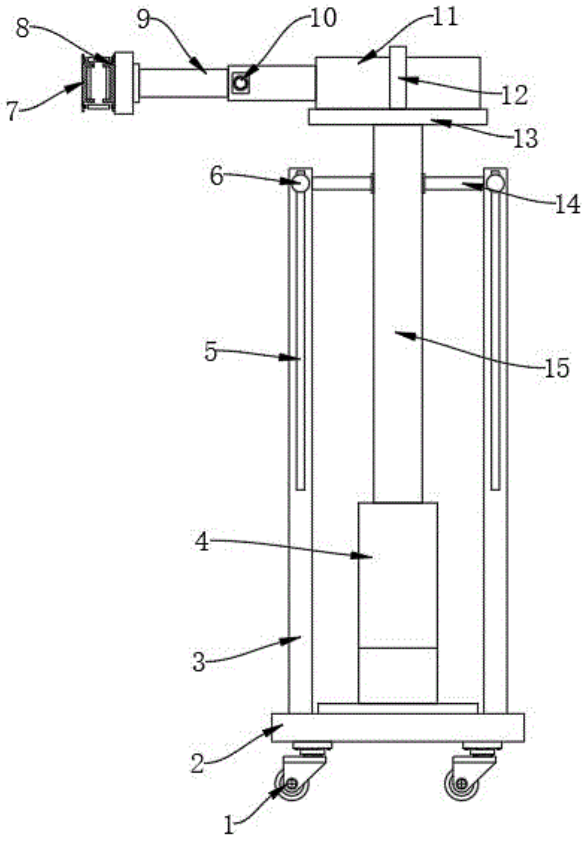
21: 2025/05073. 22: 2025/06/17. 43: 2026/02/11
51: A01C
71: Jinchang Agricultural Research Institute
72: Lin Zeng, Weijie Wang, Run Gan, Xili Cheng, Dengxiang Shang, Xiaofeng Yang, Chengda Niu
54: A SOIL IMPROVEMENT METHOD TO ENHANCE SOIL FERTILITY
00: -
This invention pertains to a soil improvement method for enhancing soil fertility, falling within the realm of agricultural soil improvement technology. It encompasses the following steps: S1: Soil testing; S2: Formulating an improvement plan; S3: Application of organic materials: After plowing the field soil, biochar and commercial organic fertilizer are mixed and applied to the field to enhance the physical and chemical properties of the soil and improve its water and nutrient retention capacity; S4: Green manure planting: During the crop fallow period, green manure crops are planted, which, after being plowed under, can serve as high-quality green manure to replenish soil nitrogen and organic matter. S5: Long-term monitoring, analysis, and adjustment. This invention employs biochar and commercial organic fertilizer for soil improvement, exploring the impact of organic materials on soil physicochemical properties, soil carbon storage, and key enzyme activities. It aims to reveal the application effects and mechanisms of different organic materials, ascertain the effectiveness of organic materials in soil improvement, select the optimal input amount of organic materials, and effectively enhance soil fertility.

21: 2025/05074. 22: 2025/06/17. 43: 2026/02/11
51: C07D
71: HAINAN NORMAL UNIVERSITY
72: YE Miantai, DAI Wenqin
54: PH-TRIGGERED GREEN-RED DUAL-COLOR CONVERSION FLUORESCENT PROBE, PREPARATION METHOD AND APPLICATION THEREOF
00: -
The present invention discloses a pH-triggered green-red dual-color conversion fluorescent probe, preparation method and application thereof, belonging to the technical field of fluorescent probes. The proposed "dual-lock fluorescence switch" of this invention can target mitochondria through its positive charge, combining a pH-triggered protonation/deprotonation-induced cyclization/ring-opening switching mechanism with an intramolecular charge transfer (ICT) mechanism, achieving for the first time a ratiometric green-to-red dual-color signal output. By incorporating targeting groups, this probe is expected to overcome the limitations of conventional probes that rely excessively on photoelectrochemical properties, thereby addressing constraints in sensitivity and subcellular targeting selectivity. This innovation provides a novel tool for dynamic monitoring of organelle pH.



21: 2025/05075. 22: 2025/06/17. 43: 2026/02/11
51: A61M
71: THE AFFILIATED HOSPITAL OF HEBEI UNIVERSITY
72: LI Qianyu, GAN Lu, WANG Huiyue
54: ANESTHESIA AUXILIARY SUPPORT WITH FOLDING AND TELESCOPIC STRUCTURE
00: -
The present invention relates to the technical field of anesthesia auxiliary supports, and discloses an anesthesia auxiliary support with a folding and telescopic structure, comprising a base. Universal wheels are fixedly connected to the four corners of the bottom end of the base. A bottom plate is arranged above the base, a placement box is fixedly

connected to the top end of the bottom plate, and a foldable and telescopic flexible component is arranged inside the placement box. The anesthesia auxiliary support with a folding and telescopic structure is provided with a telescopic adjustment frame, fixing seats, a first connection seat, a second connection seat, mounting blocks, and an insertion rod, which ensures that the overall structure is reduced during transportation to avoidcollision with patients, improves safety in use, and optimizes the telescopic structure for convenient operation. The invention solves the problems that the auxiliary support cannot be folded, telescoped, or adjusted, has a large structural volume, is prone to collision with surrounding patients during flexible movement, poses certain safety hazards, and requires a large space for placement of the auxiliary support.



21: 2025/05076. 22: 2025/06/17. 43: 2026/02/11
51: C12Q
71: Jinchang Agricultural Research Institute
72: Lin Zeng, Weijie Wang, Run Gan, Xili Cheng, Dengxiang Shang, Xiaofeng Yang, Chengda Niu

54: EXPERIMENTAL METHOD FOR EXAMINING THE EFFECTS OF ADDING BIOCHAR AND ORGANIC FERTILIZER ON SOIL NUTRIENTS AND KEY ENZYME ACTIVITIES

00: -

This invention pertains to a method for testing the impact of adding biochar and organic fertilizer on soil nutrients and key enzyme activities, falling within the realm of agricultural technology. The process comprises the following steps: Step 1: Selection of organic materials: Biochar and bioorganic fertilizer are chosen as the organic materials. Step 2: Field experiment design: Field experiments are conducted in different soil layers, setting up treatments with varying proportions of biochar and bioorganic fertilizer combinations. Step 3: Soil index determination: Through factorial experiments, the physicochemical properties, microbial properties, key enzyme activities, and crop growth indicators of each treatment soil are measured. Step 4: Mathematical model support. This invention, through the combined application of biochar and bioorganic fertilizer, not only enhances the physical and chemical properties of the soil, fully activating microorganisms, but also increases the organic carbon content of the soil, promoting soil biogeochemical processes. It yields quick results, significantly boosting crop biomass and yield, effectively enhancing soil fertility, and improving agricultural production efficiency.

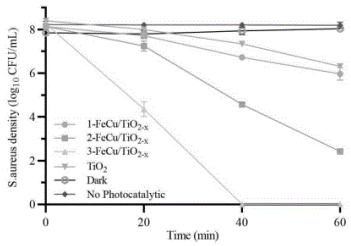
21: 2025/05077. 22: 2025/06/17. 43: 2026/02/11
51: B01J
71: Zhejiang Academy of Agricultural Sciences
72: XU, Xing, ZHOU, Weidong, WANG, Wen, ZHAO, Jiahao, XIAO, Hua, WU, Yue, XIE, Chuanqi, DING, Lin, DING, Linhao
33: CN 31: 202410805060.4 32: 2024-06-21

54: DOPED TITANIUM DIOXIDE AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

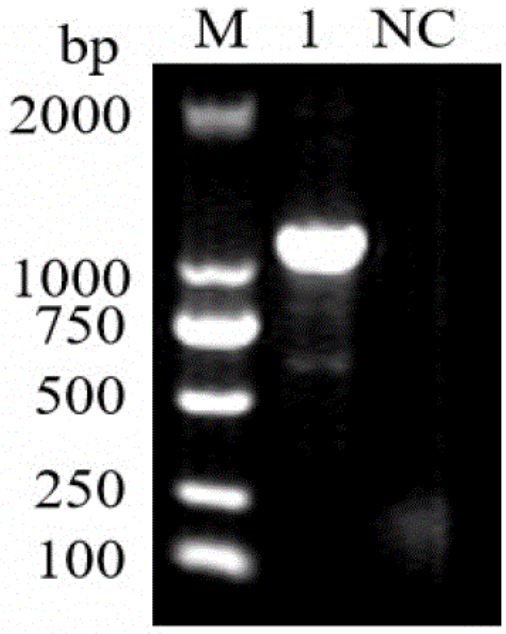
The present invention provides doped titanium dioxide (TiO2) and a preparation method and application thereof in the technical field of photocatalysis. The present invention provides doped TiO2, including TiO2 containing Ti3+, as well as iron ions and copper ions in crystal lattices of the TiO2. The co-dope iron ions and copper ions formed a new doping level near a conduction band, thus

shortening the band gap; the narrowing of the band gap broadens the optical absorption range of TiO2 co-doped with iron ions and copper ions so that active free radicals are generated under visible light excitation. The formation of Ti3+ defects creates a continuous electronic state in the band gap region that can be excited by visible light, thereby generating more active free radicals. Moreover, the iron ions and copper ions further promote the effective separation of photo-generated electron-hole pairs of doped TiO2, and further improve the catalytic activity.



21: 2025/05078. 22: 2025/06/17. 43: 2026/02/11
51: B09C
71: China University of Geosciences, Beijing
72: YAO Jun, ZHAO Jinsui, MIN Ning, ZHAO Yan, CHAI Wenping, MA Yuqing
54: NEW METHOD FOR REMEDIATING COPPER CONTAMINATED SOIL BY COMBINING BIOCHAR AND OSCILLIBACTER SP. BS
00: -
The present invention discloses a novel method for remediating copper contaminated soil using biochar combined with Oscillibacter sp. BS, belonging to the technical field of soil heavy metal pollution remediation. The biochar is prepared from rapeseed straw, corn straw, or rice straw, and the Oscillibacter sp. BS is Oscillibacter sp. BS. The invention demonstrates that the synergistic use of biochar and Oscillibacter sp. BS may significantly remediate Cu2+ contaminated soil by reducing Cu2+ to elemental copper. The optimal remediation effect is achieved when the biochar application rate is 6 g/kg and the bacterial inoculation rate is 10 wt%. The method provided by the present invention may mitigate copper toxicity, enhance soil fertility, avoid environmental pollution, and provide a theoretical basis for efficient remediation of copper contaminated soil and revegetation of non-ferrous metal mining areas.

21: 2025/05079. 22: 2025/06/17. 43: 2026/02/11
51: C12Q
71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY
72: ZHANG Liujun, HE Shaojun, LIU Deyi, FENG Xing, CHEN Weizhen, WANG Aiyang, WANG Bo
54: A B2L-BASED ECTHYMA CONTAGIOSUM VIRUS TAQMAN FLUORESCENCE QUANTITATIVE PCR ASSAY KIT AND HOW TO USE IT
00: -
The present invention relates to the field of molecular diagnostic technology, an Ecthyma Contagiosum Virus TaqMan Fluorescence Quantitative PCR Assay Kit and method of use based on the B2L gene. The kit contains primers and probe sequences as shown in SEQ ID NO:1, SEQ ID NO:2, and SEQ ID NO:3, which are specific for detecting ecthyma contagiosum virus. Good linearity for detection of ecthyma contagiosum virus under optimized response conditions; high amplification efficiency; fast detection speed; strong specificity; high sensitivity; low detection limit of 4.28 × 100 copies/micro L, 1000 times higher than conventional PCR; good repeatability; low cost. The successful establishment of this technology will help to improve the early diagnosis of ecthyma contagiosum and to put in place early preventive and control measures.

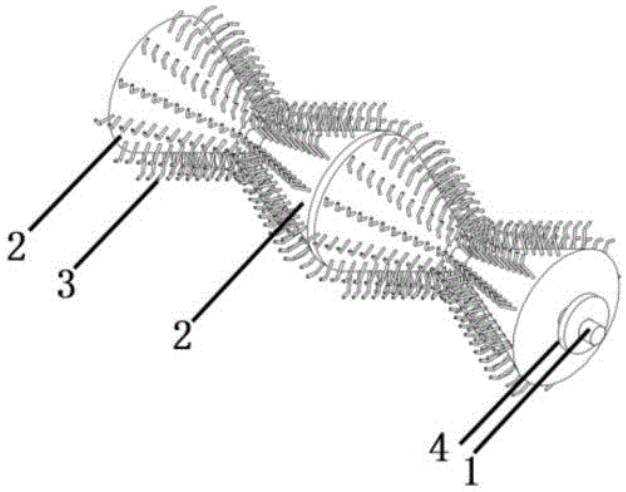


21: 2025/05080. 22: 2025/06/17. 43: 2026/02/11
51: A01D
71: Bayinguoleng Vocational and Technical College
72: YUAN Xiaowei, JIN Ruocheng, LV Huijie, ZHAO Liwei

54: PICKING ROLLER AND HARVESTING MACHINE FOR PEPPER HARVESTING

00: -

The present invention relates to a picking roller and a harvesting machine for pepper harvesting, comprising a central shaft, at least one set of variable-diameter outer rollers, and picking elastic teeth. The central shaft is configured to drive the variable-diameter outer rollers and the picking elastic teeth to rotate around the central shaft. The variable-diameter outer rollers have a radius that varies linearly along the length direction, with one set consisting of two rollers symmetrically distributed around the central shaft in a V-shaped cross-section. The picking elastic teeth are uniformly distributed along the circumferential periphery of the variable-diameter outer rollers. Since the invention includes at least one set of profiling outer rollers, the two rollers in each set form a V-shaped profiling structure resembling the shape of a pepper plant. First, this shape closely matches the natural contour of pepper plants, effectively reducing the impact of the picking roller on the plants during harvesting and preventing lodging. Second, the varying radius of the structure at different positions helps reduce the linear velocity of the picking elastic teeth at the top of the pepper plants, further minimizing damage caused by the picking roller during operation.

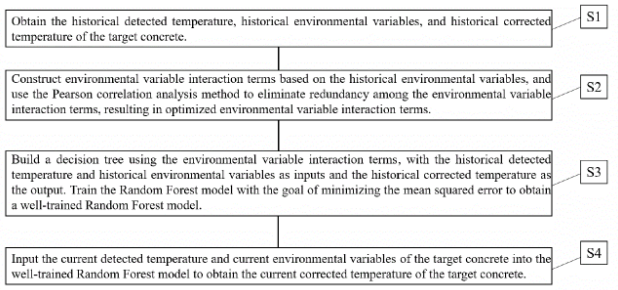


21: 2025/05081. 22: 2025/06/17. 43: 2026/02/11
51: G01J
71: China Three Gorges Construction Engineering Corporation, China Institute of Water Resources and Hydropower Research
72: JING, Maogui, ZHANG, Lei, LONG, Ang, XIN, Jianda, YAO, Liang, ZHU, Zhenyang, HUANG, Jicun, ZHANG, Guoxin, GUO, Jinyang, LIU, Yi, DENG, Wenyang, ZHENG, Lei, YANG, Ge, LIU, Wei, YAN, Zhongluan, SUN, Changmao, LIU, Xing, LI, Ruyao, ZHANG, Xinlu

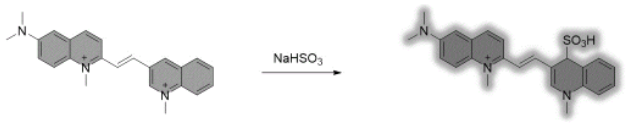
54: A CONCRETE TEMPERATURE CORRECTION METHOD, DEVICE, MEDIUM, AND PRODUCT FOR MIXER OUTLET COUPLED WITH ENVIRONMENTAL VARIABLES

00: -

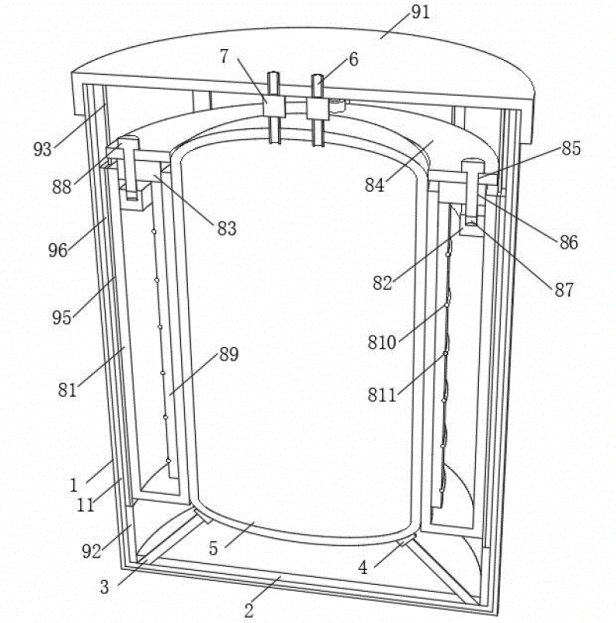
This application discloses a concrete temperature correction method, device, medium, and product for mixer outlet coupled with environmental variables in the field of concrete temperature detection. The method comprises: constructing environmental variable interaction terms based on historical environmental variables, and using the Pearson correlation analysis method to eliminate redundancy among the environmental variable interaction terms to obtain optimized environmental variable interaction terms; utilizing the environmental variable interaction terms to construct a decision tree, determining inputs and outputs, and training a Random Forest model with the goal of minimizing mean squared error to obtain a trained Random Forest model; and inputting the current detected temperature and current environmental variables of the target concrete into the trained Random Forest model to obtain the current corrected temperature of the target concrete. This application enhances the horizontal correlation between various environmental variables by using the Random Forest model to perform nonlinear piecewise fitting on the environmental variables, thereby correcting the concrete temperature at the mixer outlet and improving the accuracy and representativeness of concrete temperature detection at the mixer outlet.



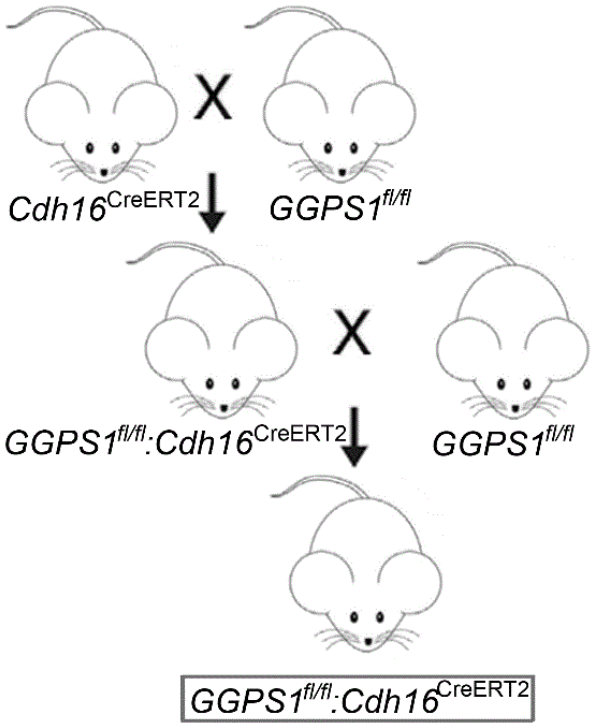
21: 2025/05083. 22: 2025/06/17. 43: 2026/02/11
51: C07D
71: HAINAN NORMAL UNIVERSITY
72: YE Miantai, ZHANG Jingyao
54: SULFUR DIOXIDE PROBE AND SYNTHESIS METHOD THEREOF
00: -
The invention discloses a sulfur dioxide probe and a synthesis method thereof, belonging to the technical field of sulfur dioxide detection. The sulfur dioxide probe is synthesized by a multi-step reaction using 6-(dimethylamino)-2-methylquinoline and 3-quinolinecarbaldehyde as raw materials, and is simply referred to as probe NTA. In the invention, solutions with different cosolvent ratios are prepared using the synthesized probe NTA, different concentrations of NaHSO3 are added, and fluorescence emission spectra are compared to determine the optimal cosolvent ratio, thereby reducing background interference and improving detection accuracy and sensitivity. Finally, ultraviolet-visible spectrophotometry and fluorescence emission spectroscopy are used to analyze the spectral changes after the reaction between probe NTA and NaHSO3, establish a quantitative relationship between fluorescence intensity and NaHSO3 concentration, and evaluate its detection performance. The probe NTA of the invention indirectly determines the concentration of SO2 by detecting the concentration of NaHSO3 in the system.



21: 2025/05084. 22: 2025/06/17. 43: 2026/02/11
51: F25C
71: Anhui Vocational and Technical College
72: Wei CUI, Li LIANG, Jun ZHONG, Dengchao LI, Yanhua LIU, Aiping CAO
33: CN 31: 2025107368864 32: 2025-06-04
54: VACUUM MULTI-LAYER INSULATION SYSTEM FOR REFRIGERANT RESERVOIRS
00: -
The present invention relates to the field of vacuum insulation technology, specifically to a vacuum multilayer insulation system for a refrigerant reservoir, which includes a cylinder, wherein the bottom of the cylinder is fixedly connected with a thermal insulation pad, and the bottom of the cylinder is fixedly connected with a fixing rod. The upper end of the fixing rod is fixedly connected with a buffer pad, and the upper end of the buffer pad is clamped with a storage tank through a fastening assembly. The surface of the storage tank is provided with an insulation assembly, which includes a vacuum sleeve. The vacuum sleeve is movably sleeved on the outer wall of the storage tank, and the inner wall of the upper end of the vacuum sleeve is fixedly connected with a fixing ring. The vacuum sleeve achieves an efficient insulation effect, significantly reducing the impact of external heat on the refrigerant inside the storage tank, maintaining the temperature stability of the refrigerant, improving the efficiency of the refrigeration system, and reducing energy consumption. The reinforcing structure of the arc plate and the steel ring helps maintain the tight fit between the sealing ring and the vacuum sleeve, ensuring the sealing performance of the vacuum sleeve, thereby ensuring the durability of the insulation effect.

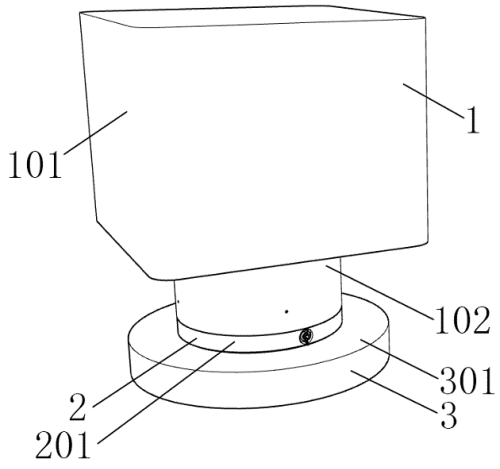


21: 2025/05085. 22: 2025/06/17. 43: 2026/02/11
51: A61K
71: Sir Run Run Hospital Nanjing Medical University
72: Kai Wang, Xianlin Xu, Bin Xue
54: CONSTRUCTION METHOD OF INDUCIBLE MURINE CYSTIC KIDNEY DISEASE MODEL
00: -
The present invention provides a construction method of an inducible murine cystic kidney disease model, and the method includes: inserting LoxP sequences into two ends of a GGPS1 gene of a mouse to obtain a LoxP-flox-GGPS1 mouse; and specifically knocking out the GGPS1 gene by introducing CreERT2 recombinase and under the induction of tamoxifen, so as to obtain the model. In the third week after drug induction, the mouse model has multiple cystic dilatation kidney tubules in kidney tissue, and in the seventh week, the mouse model has kidney cysts, and serum creatinine and urea nitrogen rise at the same time, which are consistent with the symptoms and pathological process of human cystic kidney disease; and the mouse model can be used in the research on the occurrence and development mechanism of cystic kidney disease, as well as developing drugs for treating this disease.



21: 2025/05086. 22: 2025/06/17. 43: 2026/02/11
51: H04L
71: Zhejiang Industry and Trade Vocational College
72: Shao Kangmin, Wang Wei, Pan Zihao, Jiang Jiaming
54: A REAL-TIME MONITORING DEVICE FOR AN ELECTROMECHANICAL DEVICE BASED ON THE INTERNET OF THINGS
00: -
The invention relates to the technical field of electromechanical equipment monitoring, and discloses an electromechanical equipment real-time monitoring device based on the Internet of Things, which comprises an inductor mechanism, and further comprises a mounting mechanism and a damping mechanism, the bottom end of the mounting mechanism is fixedly connected with the top end of the damping mechanism, the inner wall of the side face of the sensor mechanism is movably connected with the side face of the mounting mechanism, and the sensor mechanism comprises an sensor body; In the use process, the side surface of the damping structure is tightly attached to the inner wall of the side surface of the base, so that the movable plate is located at the center position of the base, and when the electromechanical device vibrates, the damping structure is always tightly attached to the inner wall of the mounting base, so that the movable plate

moves left and right along the inner wall of the bottom end of the base, buffer and vibration reduction are performed on the damping structure, meanwhile, the vibration damping structure absorbs mechanical energy, the influence of vibration on the sensor mechanism is reduced, damage is avoided, and the service life of the device is prolonged.

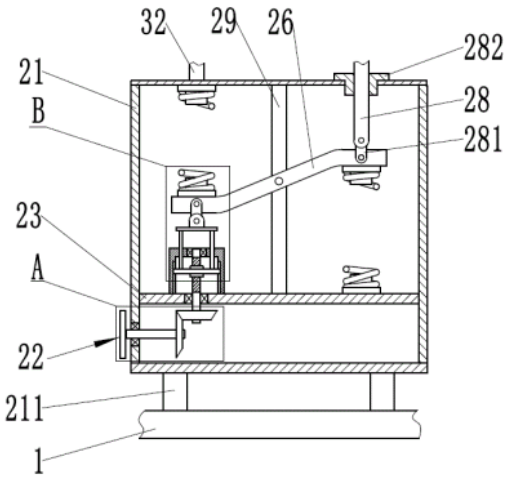


21: 2025/05087. 22: 2025/06/17. 43: 2026/02/11
51: G01C
71: Wenzhou Polytechnic
72: Fang Liwei

54: INTELLIGENT BUILDING ENGINEERING QUANTITY SURVEYING AND MAPPING PRICING DEVICE

00: -

The invention discloses an intelligent building engineering quantity surveying and mapping pricing device, comprising a base, a n adjusting device, a transmission mechanism, an adjusting assembly, a supporting plate and a surveying instrument, wherein the adjusting assembly comprises an adjusting box, a screw rod transmission assembly, a swing rod mechanism and a connecting rod mechanism, the adjusting box is fixed to the upper end of the baffle, the screw rod transmission assembly penetrates through the baffle and is connected with the transmission mechanism, the connecting rod mechanism is hinged to the other end of the swing rod mechanism, one end of the bottom of the supporting plate is hinged to the upper end of the box body, and the other end of the bottom of the supporting plate is slidably connected with the connecting rod mechanism; the surveying and mapping instrument is in stalled on the supporting plate through a connecting block, and the connecting block is installed on the adjusting mechanism of the supporting plate. Due to the adjusting device, the transmission mechanism and the adjusting assembly arranged in the device, the inclination angle of the surveying and mapping instrument can be adjusted, and the levelness of the device can be finely adjusted through the adjusting plate, so that the operation difficulty is reduced, and the measurement precision is improved.



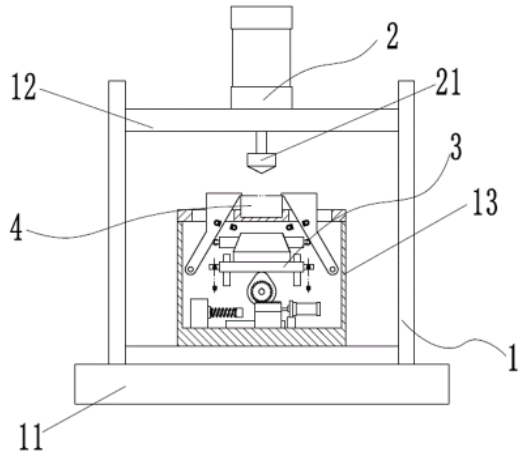
21: 2025/05088. 22: 2025/06/17. 43: 2026/02/11
51: G01N
71: Wenzhou Polytechnic
72: Fang Liwei

54: MULTI-MODAL DATA FUSION BUILDING MATERIAL HARDNESS INTELLIGENT DETECTION DEVICE

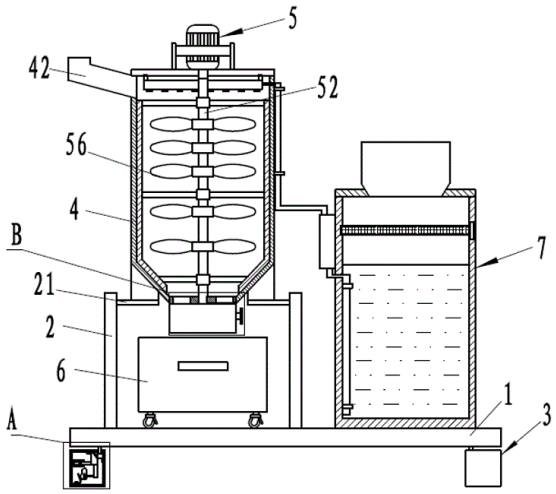
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The invention discloses a multi-modal data fusion building material hardness intelligent detection device, which comprises a frame body, a workbench is arranged on a base of the frame body, a clamping mechanism used for fixing a to-be-detected piece is arranged on the workbench, and a test assembly capable of acting on a to-be-detected piece is arranged above the workbench, and the clamping mechanism comprises two clamping arms with the bottom pivoted in a cavity of the workbench, a first tension spring connected between the clamping arm and the workbench enables a pressing block of the clamping arm to abut against a top face of the to-be-detected piece, a sliding frame is arranged between

the two clamping arms, two sides of the sliding frame abut against inner side faces of the corresponding clamping arms respectively, and the sliding frame is in driving connection with a driving assembly arranged in a cavity of the workbench. The present invention is convenient to use, and has high detection precision for the to-be-detected member to be fixed stably.



21: 2025/05089. 22: 2025/06/17. 43: 2026/02/11
51: B28C
71: Wenzhou Polytechnic
72: Wu Qingling
54: CONCRETE STIRRING DEVICE FOR SLOPE PROTECTION CONSTRUCTION FOR HYDRAULIC ENGINEERING
00: -
The invention provides a concrete stirring device for slope protection construction for hydraulic engineering, and relates to the technical field of stirring equipment. The concrete stirring device comprises a bottom plate, a support, a stirring box and a stirring mechanism, wherein all the parts are fixedly installed on the bottom plate in sequence, the damping mechanism comprises a housing, a vertical guide rail mechanism, a transverse guide rail mechanism and a swing member assembly, the housing is fixedly installed at the corresponding position below the bottom plate, the vertical guide rail mechanism is installed on the inner side wall of the housing, the swing block assembly is hinged in the housing, and the transverse guide rail mechanism is installed in the housing. According to the damping mechanism used in the present invention, in the processing process of the stirring mechanism, the bottom of the bottom plate can be damped, adaptive buffering support is carried out, the service life of the device is prolonged, and the adopted water adding device can perform concrete stirring by controlling quantitative water required for filtering in the stirring box, so that the quality of the concrete is reliable and stable.



21: 2025/05090. 22: 2025/06/17. 43: 2026/02/11
51: A01G
71: Huaxin Zhuo
72: Huaxin Zhuo
33: CN 31: 2024119486049 32: 2024-12-27
54: ALOESWOOD FORMATION METHOD FOR AQUILARIA SINENSIS TREES THROUGH DISEASE-INJURYAND FUNGAL INFECTION
00: -
An aloeswood formation method for Aquilaria sinensis trees through disease-injury and fungal infection, the preparing steps including preparing raw materials (white vinegar, lemons, salt, sugar, water) with multiple formulations, boiling the raw materials for 1-3 hours to make an injection solution, and injecting the injection solution into the tree trunk with a plant infusion bag to achieve aloeswood formation. Its advantages are as follows: first, the raw material selection is flexible. Diverse formulations can adapt to different tree conditions, and the raw materials are easy to obtain, reducing costs; second, the operation is controllable, the boiling time is flexible, allowing the stimulation of the injection solution to be adjusted as needed, and the scientific injection method can uniformly deliver the injection solution, improving the quality and

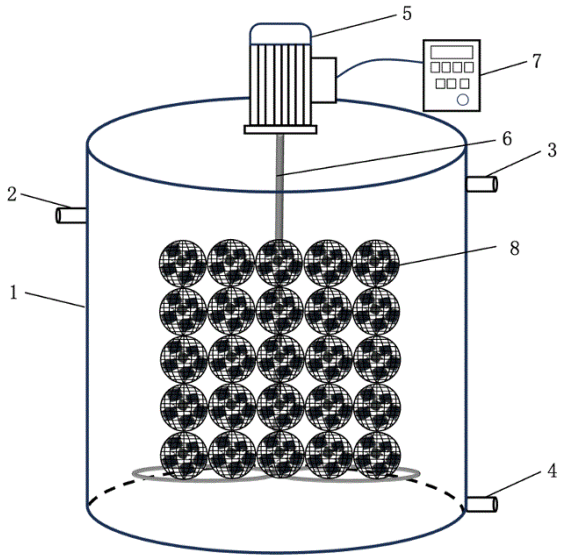
efficiency of aloeswood formation; third, the aloeswood formation principle is reasonable, by combining stimulating and infecting factors, it utilizes stress and infection characteristics of trees for aloeswood formation. It also simulates the natural aloeswood formation process, reducing excessive damage to trees, accelerating aloeswood formation, and enabling rational resource development.

21: 2025/05092. 22: 2025/06/17. 43: 2026/02/11
51: C02F
71: ZHEJIANG UNIVERSITY OF TECHNOLOGY
72: LI, Jun, CHENG, Xiaoyu, FENG, Hongbo, JIN, Linyi
33: CN 31: 202410356848.1 32: 2024-03-27

54: A SLUDGE GRANULATION APPARATUS AND METHOD EMPLOYING IRON–CARBON-COUPLED MESH INTERCEPTION WITH DRY-RETURN RECIRCULATION

00: -

The invention belongs to the technical field of biological wastewater treatment and discloses a sludge-granulation apparatus and method that employ iron–carbon-coupled mesh interception with drying and return recirculation. The apparatus comprises a cylindrical shell, an inlet–outlet system, a variable-speed stirring system, an automatic control system and a composite packing system. The inlet–outlet system includes a feed port and an overflow port positioned at the top of the cylindrical shell and a discharge port positioned at the bottom. The stirring system consists of a frequency-conversion motor for sludge agitation and a stirring rod that also serves as a carrier for packing. The automatic control system incorporates a controller configured to adjust, on a timed basis, the stirrer's rotational speed, direction and operating period, and to actuate the valves of the inlet–outlet system. The composite packing system comprises plastic-ball packing cages fixed to the stirring rod and, inside each cage, mesh packing together with iron–carbon packing. With a simple structure that permits automated operation, the invention intercepts lightweight activated sludge with the mesh packing, induces crystal-nucleus formation through iron–carbon coupling, and dries the intercepted sludge into aggregates of various particle sizes and densities. These aggregates are recycled to the biological reaction tank, thereby accelerating the formation of aerobic granular sludge.

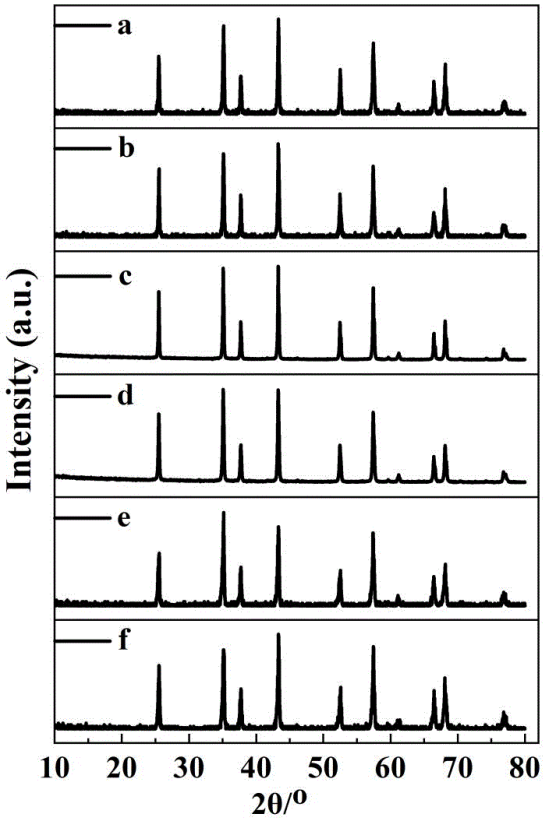


21: 2025/05127. 22: 2025/06/18. 43: 2026/02/11
51: C01F
71: Bengbu Zhongheng New Material Technology Co., Ltd., BengBu University
72: Yu Cao, Xiaoqi Jin, Jinlong Ge, Gai Wu, Chenlin Yin, Bowen Huang, Yuhong Jiao, Chengxiu Ruan, Xingyu Liang

54: METHOD FOR PREPARING A SPHERICAL ALPHA-AL2O3 POWDER MATERIAL AND USE THEREOF IN EPOXY RESIN MOLDING COMPOUND

00: -

The present disclosure belongs to the field of synthesis of Alpha-Al2O3 functional powder materials, and particularly relates to a method for preparing a spherical Alpha-Al2O3 powder material and use thereof in epoxy resin molding compounds. The invention uses a buffer solution to replace the traditional single alkali catalyst, and adopts a sol-gel method to prepare Alpha-Al2O3 powder with good sphericity and dispersibility. When the material is mixed with epoxy resin and cured, the obtained moulding compound exhibits excellent thermal conductivity. This method is suitable for large-scale production, providing a new method and approach for preparing spherical Alpha-Al2O3 powder materials.

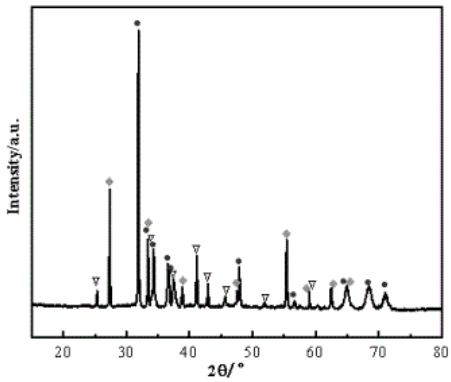


21: 2025/05128. 22: 2025/06/18. 43: 2026/02/11
51: B01J
71: Liaoning Petrochemical University
72: KANG, Lei, ZHANG, Jingwen, GUO, Yunlong, BAI, Yingzhi, SUN, Na, WANG, Yujia, WANG, Haiyan

54: PREPARATION METHOD OF COMPOSITE METAL OXIDE CATALYST AND APPLICATION OF COMPOSITE METAL OXIDE CATALYST IN GLYCEROL CARBONATE SYNTHESIS

00: -

The present invention specifically relates to a preparation method of a composite metal oxide catalyst and application of the composite metal oxide catalyst in glycerol carbonate synthesis and belongs to the field of novel catalysts. According to the present invention, based on the catalytic theory of semiconductor metal oxides and the ion doping theory of semiconductor metal oxides, donor metal ions are introduced into a ZnO-based catalyst, and a novel and highly efficient composite metal oxide catalyst for glycerol carbonate is designed and developed. The introduction of donor metal ions can modify a crystal structure of the catalyst, adjust acid-base properties of the catalyst, and promote the alcoholysis of glycerol and urea. The catalyst prepared by the present invention overcomes technical bottlenecks in the synthesis of glycerol carbonate, and solves the problems of low product yield and poor selectivity during the preparation process. Additionally, the catalyst is non-corrosive to devices, environmentally-friendly, and reusable.



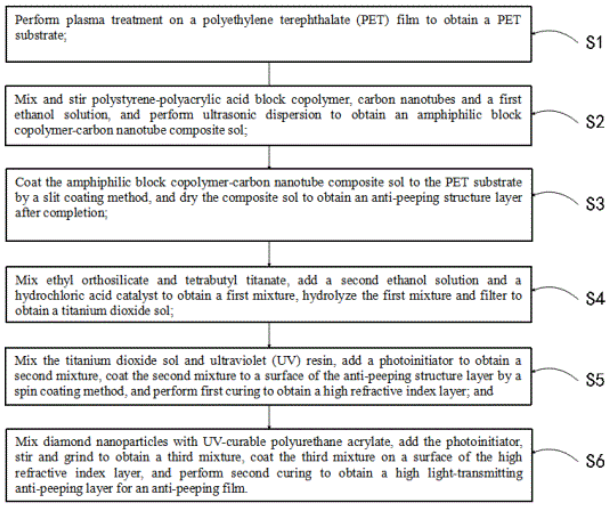
21: 2025/05129. 22: 2025/06/18. 43: 2026/02/12
51: G02F
71: Cixi Shanglin Electronic Technology Co., Ltd.
72: Mao Jiaming, Mao Longquan
33: CN 31: 2025107610779 32: 2025-06-09

54: HIGH LIGHT-TRANSMITTING ANTI-PEEPING LAYER FOR ANTI-PEEPING FILM AND PREPARATION METHOD THEREFOR

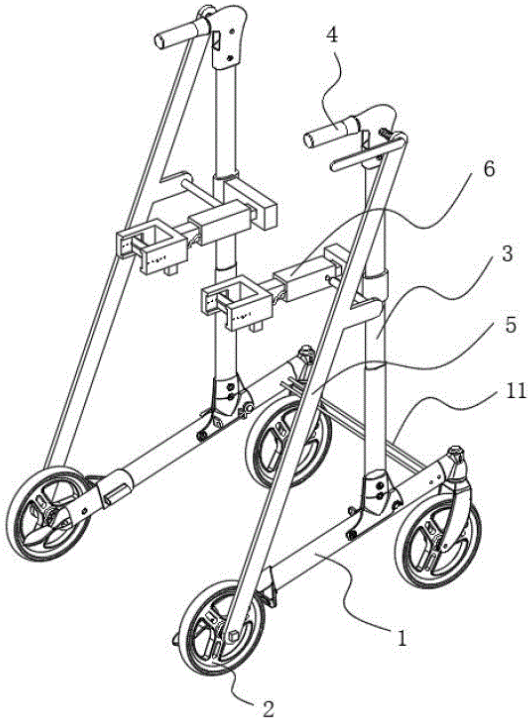
00: -

The present invention relates to the technical field of anti-peeping film manufacturing, and provides a high light-transmitting anti-peeping layer for an anti-peeping film and a preparation method therefor. The preparation method includes the steps of: performing plasma treatment on a polyethylene terephthalate (PET) substrate; preparing an amphiphilic block copolymer-carbon nanotube composite sol and coating the same on a surface of the PET substrate to form an anti-peeping structure layer; preparing a titanium dioxide sol, mixing the titanium dioxide sol with ultraviolet (UV) resin, and coating the titanium dioxide sol on a surface of the anti-peeping structure layer to form a high refractive index layer; and mixing diamond nanoparticles with UV-curable polyurethane acrylate, and coating the same on a surface of the high refractive index layer to obtain a high light-transmitting anti-peeping layer. In the present invention, through nano-self-assembly technology and die-less molding process, the

traditional mold dependence and multi-layer complicated process limitation of anti-peeping layer preparation are broken through, and the production cost is reduced and the environmental protection is improved while the light transmittance and wear resistance are improved.



21: 2025/05130. 22: 2025/06/18. 43: 2026/02/11
51: A61H
71: Xinxiang Medical University
72: Shuwei ZHAO, Jiayao WANG, Lin TAO, Yali FAN, Haoyan WANG, Guanghua XU
33: CN 31: 2025107170586 32: 2025-05-30
54: WALKER FOR JOINT MOTION MEDICAL REHABILITATION
00: -
The invention discloses a walker for joint motion medical rehabilitation, relating to the technical field of medical equipment, specifically comprising a chassis, rollers, support rods, armrest seats, limiting mechanisms, and linkage mechanisms; the chassis is configured in pairs and fixedly connected by a connecting frame, the rollers are configured in two groups in the front and rear directions, each group comprising two rollers respectively disposed at the ends of the two chassis, the support rods are configured in pairs and are fixedly mounted at the upper ends of the two chassis, with adjustable lengths, the armrest seats are configured in pairs and are slidably disposed at the upper ends of the two support rods, the limiting mechanisms are configured in pairs and are respectively disposed on the sides of the two support rods away from each other, and the linkage mechanisms are configured in pairs and are respectively disposed on the two support rods.



21: 2025/05142. 22: 2025/06/18. 43: 2026/02/11
51: G06T
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MORE, Priyanka, WAWGE, Tanushri Jayant, SHUKLA, Devang, SAKHARE, Sachin, DEDGAONKAR, Suruchi
54: A REAL-TIME 3D OBJECT RECONSTRUCTION SYSTEM FOR MIXED/EXTENDED REALITY ENVIRONMENTS
00: -
The present invention is related to a real-time 3D object reconstruction system for mixed/extended reality environments. The present invention relates to a 3D geometry extraction and reconstruction system designed for augmented reality (XR), such as virtual reality (VR) and augmented reality (AR). The system uses the video domain to capture and segment objects in a frame and extract their 3D geometry to create realistic interactive models. The system uses advanced computing and depth-sensing technology to generate point clouds from video, reconstruct 3D meshes, and draw projections for unbiased information about the world. This design is integrated into the XR environment and

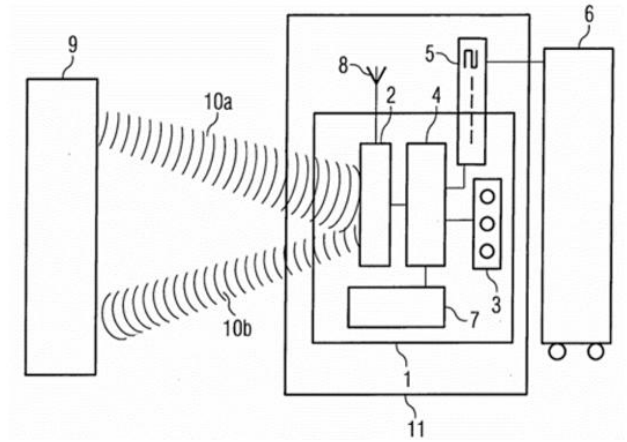
allows users to monitor, control and manipulate these objects. This system supports a variety of applications such as virtual stores, design, simulation training and remote collaboration. This technology enables powerful automated 3D modeling in XR, reducing manual and interactive operations.

21: 2025/05143. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, SAKHARE, Sachin R., CHAVHAN, Pranali, WADHE, Atharva Amol, GAJBHIYE, Archit Sanatan, GOGULWAR, Gautam Girish, INGOLE, Ishika Ramkumar, GHUGE, Yash Rajeshrao

54: AN INTERNET OF BEHAVIOUR (IOB) BASED RETAIL SYSTEM FOR PERSONALIZED CUSTOMER EXPERIENCE AND DYNAMIC STORE LAYOUT OPTIMIZATION

00: -

The present invention is related to an internet of behaviour (IoB) based retail system for personalized customer experience and dynamic store layout optimization. The smart retail system based on IoB is innovative; it utilizes the power of the Internet of Behavior, IoT sensors, and AI-driven analytics to monitor and interpret customer behavior in real-time for in-store environments. It identifies information about the movements of customers while interacting with products in relation to the time they spend in various sections of the store through sensors and cameras. The dynamic digital signage, personalized product recommendations, and in-real time adjustments of the store amalgamate perfectly within this product, making customers happy and running operations efficiently. Unlike other Wi-Fi analytics and traditional devices-based tracking systems, this invention focuses on not invading privacy but still making useful information available for optimizing the layout of a store and managing inventory accordingly.



21: 2025/05144. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, MALI, Manisha, RATHI, Snehal, WANKHEDE, Disha Sushant, GAIKWAD, Vidya Shrimant, MISHRA, Vaishali, CHAUDHARI, Puja Madan, KARAD, Rajat Sudhakar

54: A REAL-TIME BEHAVIORAL-BASED FINANCIAL RISK ASSESSMENT AND PERSONALIZATION SYSTEM

00: -

The present invention is related to a real-time behavioral-based financial risk assessment and personalization system. It is an integrated system carrying out real-time high-accuracy financial risk assessments, fraud detection, and personally relevant financial recommendations. Safe APIs will aggregate this real-time financial data gathered from user accounts; processed through the machine learning algorithms, it will yield real-time dynamic risk scores. This module further includes the fraud detection module, based on unsupervised learning, identifying patterns of anomalies in transactional data using behavioral patterns. It also offers individually customized financial product recommendations with the help of a hybrid recommendation engine combining both collaborative and content-based filtering. A user-centric interface providing real-time alerts related to change in risk score, fraud alerts, and personalized product offerings across channels of SMS, Email, and App Notifications is given to the system. A feedback mechanism is also provided for this system to continuously improve its performance based on what the user wants to convey through responses. That is, this new finance approach rich in behavioral

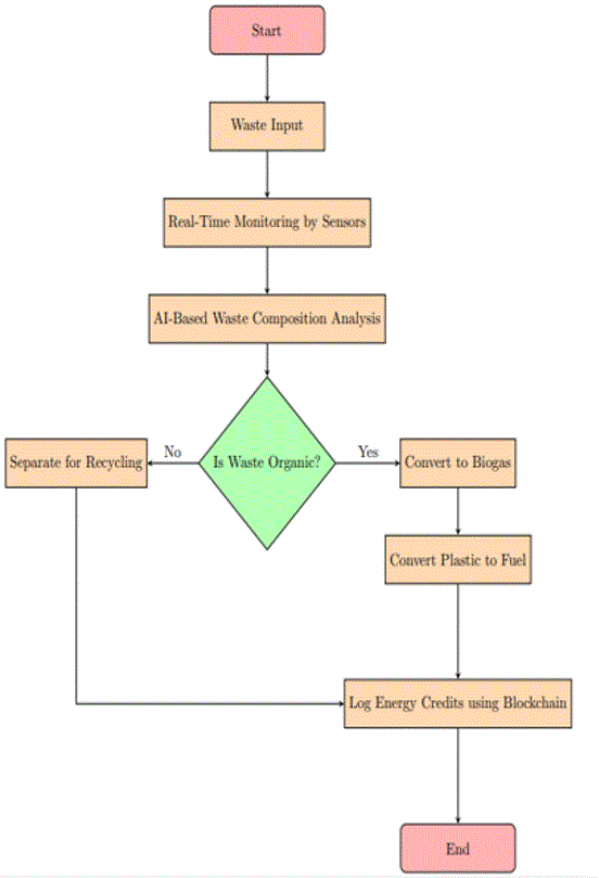
data, real-time analytics, and much more has been the best fit for sectors like banking, fintech, insurance, and investment management. Innovation ultimately ends up being a scalable and secure means by which increased accuracy in the risk assessment and fraud prevention and personalized financial services are created, in line with dynamically changing expectations of both users and institution.

21: 2025/05145. 22: 2025/06/18. 43: 2026/02/11
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, SAKHARE, Sachin R., KHARATE, Namrata, MORE, Priyanka, CHAVHAN, Pranali, VIBHUTE, Akshata, BORLE, Vedant, KALE, Purva

54: AN AI BASED WASTE MANAGEMENT AND ENERGY PRODUCTION SYSTEM

00: -

The present invention is related to an AI based waste management and energy production system. The system represents innovative means of waste management, utilizing advanced technology to improve the practice. By incorporating AI and IoT capabilities, it automates the sorting of waste into specific categories: recyclables, organic waste, and non-recyclables. The real-time monitoring and analytics capabilities fitted in this system mean that it will provide information on how to optimize the waste collection process, minimize the costs of operational activities, and even the contribution to the landfill. In addition to waste segregation, it has incorporated the energy recovery system to transform organic waste into renewable energy, thereby making it sustainable and fossil fuel-independent. Its user-friendly interface engages the community through real-time feedback and educational resources, instilling a responsible culture in handling waste. It can be used in municipalities and cities with issues on waste management, commercial buildings like hotels and hospitals, manufacturing units, and educational institutions. The invention can be identified as one that cures the defect of proper waste disposal while contributing to environmental sustainability.



21: 2025/05146. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, DESHMUKH, Gopal B., TAKALE, Dattatray, GAVALI, Piyush, SHINDE, Uddhav Jaywant, SHINDE, Sairaj Anil, RAJMANE, Samarth Prashant, CHOPRA, Garv Vinodkumar

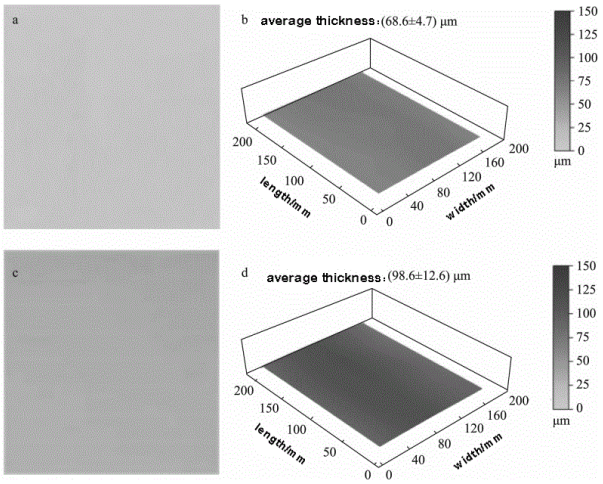
54: A REAL-TIME DEMAND AND SUPPLY ANALYTICS BASED DIGITAL MARKETPLACE SYSTEM FOR PRICE OPTIMIZATION OF AGRICULTURAL PRODUCTS

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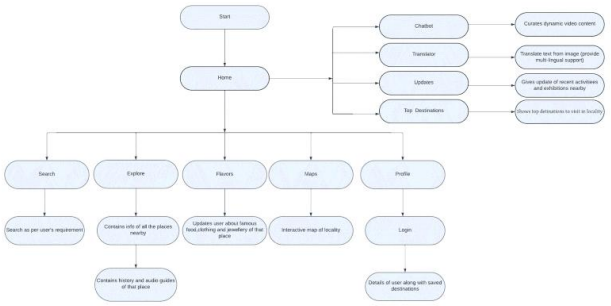
The present invention is related to a real-time demand and supply analytics based digital marketplace system for price optimization of agricultural products. The innovation is an electronic system that facilitates direct contact between farmers and buyers including the buyer, wholesaler, and retailer for purchasing agricultural products. It has innovative features like AI-based price optimization, real-time supply and demand analytics, and logistics management for better facilitation of any kind of transaction. The system allows farmers

to list their perishable as well as nonperishable items for transaction, adjusts dynamics on the basis of market conditions, and provides a guarantee of traceability of the product from the farm all the way to the customer. Through direct sales and encouraging trade transparency, the system empowers small-scale farmers, optimizes pricing strategies and enhances the overall purchasing experience for buyers making it an all-inclusive solution for the modern agricultural marketplace.

21: 2025/05147. 22: 2025/06/18. 43: 2026/02/11
51: F25D
71: Anhui Vocational and Technical College, Yangzhou University
72: CAO Chuan, SUN Yanhua, LI Deming, LI Songnan, LI Zi, XU Rui, HUANG Pingping
33: CN 31: 2025105256741 32: 2025-04-25
54: PRESERVATION SYSTEM WITH INDICATOR LABELS AND ITS APPLICATIONS
00: -
The invention provides an preservation system with indicator labels and its applications, pertaining to the field of food quality monitoring. The preservation system includes a color-changing indicator label and an antimicrobial preservation film. The color-changing indicator label is a nanofiber membrane containing a color-changing indicator, while the antimicrobial preservation film contains plant-based antimicrobial agents. The color-changing indicator label can be used separately or affixed to the antimicrobial preservation film to form a composite film. By setting up the color-changing indicator label and the antimicrobial preservation film in the system, this invention not only improves the traditional preservation film's inability to visually monitor food freshness but also addresses the issues of poor antimicrobial efficacy and low safety of traditional antimicrobial agents. The interaction between the color-changing indicator label and the antimicrobial preservation film meets the modern demands for intelligent and multifunctional food preservation.



21: 2025/05148. 22: 2025/06/18. 43: 2026/02/11
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESHPANDE, Leena A., THAWARE, Shailesh J., GHONGE, Vilas, PATIL, Harshali Pramod, BATRA, Rakshika Narendra, POTEKAR, Chaitany Kishor
54: AN AI POWERED CULTURAL EXPLORATION AND LANGUAGE TRANSLATION SYSTEM FOR IMMERSIVE TRAVEL EXPERIENCE
00: -
The present invention is related to an AI powered cultural exploration and language translation system for immersive travel experience. The invention is in particular help the traveler enjoys multi-lingual real-time translation, recommend points of interest using a personalized approach through the usage of AI and give insight into the local cultural experiences with the use of interactive content. It has a real-time OCR engine that translates texts, an AI-driven chatbot that can propose specific travel ideas and dynamic reels, along with a dynamic timeline for controlling travel plans. It even allows a QR code scan for multimedia access related to landmarks, thus blending together seamlessly the concept of an experience in travel with an immersive feel. The system is built on a cloud infrastructure that can afford translation, recommendation, and engagement across cultures in a collaborative way.



21: 2025/05149. 22: 2025/06/18. 43: 2026/02/11
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANKHEDE, Disha Sushant, MISHRA, Vaishali, MANIKJADE, Akshay Ashok, KARNIK, Madhuri Prashant, SAKHARE, Nitin, DHURVE, Janhavi, PARDESHI, Sudiksha, ZAGADE, Vrushali
54: A SMART HOME AUTOMATION SYSTEM WITH REAL-TIME PRESENCE DETECTION
00: -
The present invention is related to a smart home automation system with real-time presence detection. Home automation system, primarily set up to help the aged and handicapped, nowadays cater to a much larger audience seeking comfort, luxury, and intelligent control over household appliances. The smart home automation, introduces sensors like PIR, LDR, DHT11, and ultrasonic sensors into its system at a low cost. The total automatic control of lights, fans, and alarms in the house is executed according to environmental and presence detection in real-time. For example, it detects human presence using PIR sensor, it controls lighting by measuring daylight levels using an LDR sensor, while a DHT11 monitors room temperature and controls fan speed. System can work both automatically as well as manually. LCD ensures that users can view temperature and other parameters in real time. The ultrasonic sensors are also used for gate/door operations to make the entry efficient. Through high testings, the system proved to be very accurate in controlling a wide number of home appliances, showing reliability and thereby practicality in terms of its adoption. This smart home automation system can provide greater control, comfort, and safety while being cheap and accessible to a mass user base.

21: 2025/05150. 22: 2025/06/18. 43: 2026/02/11
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, SHARMA, Yogesh K., KOLEKAR, Vikas, KARNIK, Madhuri Prashant, PINGALE, Dhanraj Dinesh, PHATAKE, Prathmesh Subhash, SHINDE, Abhijeet Sudhir, RAHATE, Sneha Manoj
54: A MACHINE LEARNING BASED INTELLIGENT SYSTEM FOR IMPROVING ENGLISH LANGUAGE PROFICIENCY
00: -
The present invention is related to a machine learning based intelligent system for improving English language proficiency. An intelligent language learning system is that uses machine learning to predict and improve English proficiency. The invention incorporates online speech communication with automatic realization of feedback to the speaker and prediction algorithms that define practice duration to form 90% proficiency. Using the Django framework, MongoDB, HTML and CSS user interface, this system provides users with personalized adaptive learning paths that improves their speed of language acquisition. The inventive step involves the combination of machine learning, speech processing, and real-time predictive feedback. The system's unique value is in its ability to personalize learning paths by predicting the time and effort required for each user to reach their target proficiency, making it adaptive and efficient compared to traditional methods.

21: 2025/05151. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, GAIKWAD, Vidya Shrimant, WANKHEDE, Disha Sushant, MISHRA, Vaishali, KARNIK, Madhuri Prashant, BOGIRI, Nagaraju, BORSE, Harshada Prakash, MANE, Akshada Datta, KARWA, Bhakti Dilip, BHARATI, Manasi Sachin
54: A SOCIAL MEDIA DETOX SYSTEM FOR INTEGRATING SOCIAL MEDIA USAGE WITH PHYSICAL TASK ASSIGNMENT
00: -
The present invention is related to a social media detox system for integrating social media usage with physical task assignment. It is a novel system which incorporates physical activity and exercise into users

restricting their social media usages in a healthier manner. As the name suggests, the system queues users in social media sites like Instagram, Facebook and YouTube to the extent such that once this limit is crossed users cannot access such apps. People are then asked to accomplish very specific, real-world objectives, such as walking or exercising, which are monitored using wearables or phones. When the users try to meet real-life tasks, they are rewarded and the social media accounts are unlocked. These benefits are given for healthier use of the social networks or physical training for supporting activities rather than being permanently locked to utilize these networks. Given the interaction of the tracking mechanism, tasking and reward systems built as games, this system has shown how screen times can be optimized and not compromise on the mental, physical health of users.

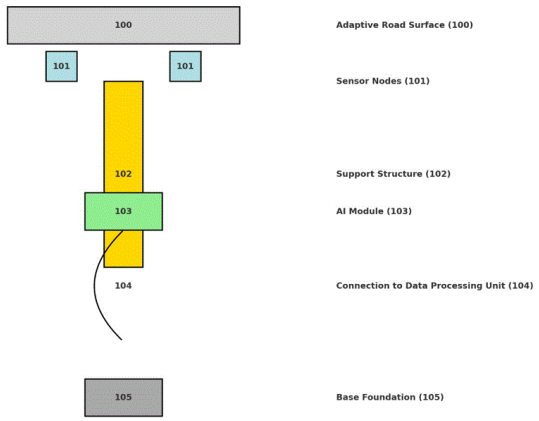
21: 2025/05152. 22: 2025/06/18. 43: 2026/02/11
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, DONGRE, Yashwant, SAKAHRE, Nitin, KOLEKAR, Vikas, KHARATE, Namrata, CHORGE, Ayush Sunil, GUDADHE, Shivshankar Bharat, KAMTHE, Yash Rajendra

54: AN AI ASSISTED REAL TIME ADAPTIVE ROAD SURFACE SYSTEM TO CHANGE ROAD CHARACTERISTICS ACCORDING TO ENVIRONMENT AND TRAFFIC CONDITIONS

00: -

The present invention is related to an AI assisted real time adaptive road surface system to change road characteristics according to environment and traffic conditions. The AI assisted adaptive road surface is one of the next generations of roadway system designed to advance safety efficiency on the roads by dynamically changing its characteristics according to real conditions or environment from surroundings and traffic. Self-healing advanced smart materials with sensors embedded and artificial intelligence bring on the requisite changes in texture of the surface and the friction. Designed keeping in balance cost on the maintenance side and yet to improve user experience so as to aid forward the initiative of a smart city, this is one giant leap forward in the infrastructure related to transportation.

Technical Illustration of AI-Assisted Adaptive Road Surfaces



21: 2025/05153. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, REGE, Pallavi R., KATIKAR, Shilpa M., SHARMA, Yogesh K., BORADE, Shreyash, KARALE, Atharva, KHUNTE, Piyush, MAHAJAN, Pratik

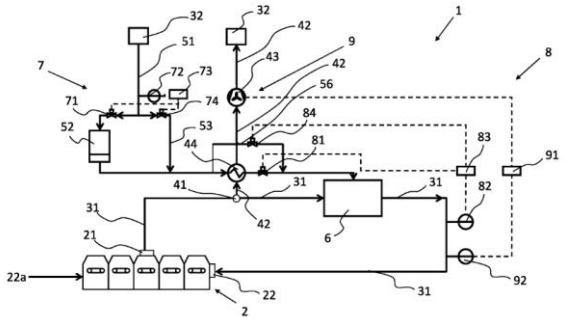
54: A COMPREHENSIVE SYSTEM WITH PREDICTIVE ANALYTICS FOR EMPOWERING FARMERS

00: -

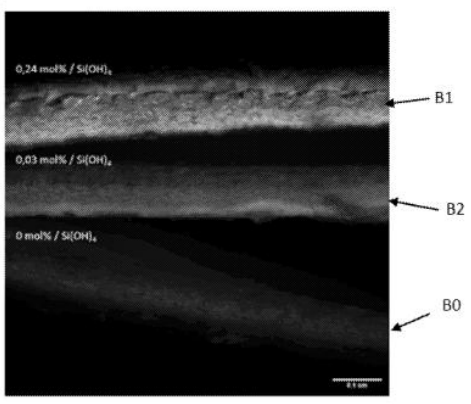
The present invention is related to a comprehensive system with predictive analytics for empowering farmers. The invention is a modern virtual system designed to empower farmers via way of means of integrating vital agricultural resources, predictive analytics, and network networking right into an unmarried cellular application. The system enables the condo of equipment and professional labor, imparting small and medium-sized farmers get right of entry to highly priced system without the load of ownership. Through superior data pushed insights, the invention gives real-time crop yield predictions and climate forecasts, permitting knowledgeable decision making to optimize farming practices. Additionally, its LinkedIn stimulated network characteristic fosters collaboration and know-how sharing amongst farmers and agricultural experts, selling fine practices and innovation. By leveraging blockchain era for steady transactions, the system complements believe and transparency withinside the agricultural marketplace, in the long run remodeling conventional farming right into an extra efficient, sustainable, and worthwhile endeavor.

21: 2025/05154. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAVAN, Rohini, TIWASKAR, Shweta, VYAVHARE, Pranav, NAGRE, Yash, DAHIPHALE, Vishwajeet
54: A COMPREHENSIVE SYSTEM WITH IMPROVED OPERATIONAL EFFICIENCY AND RESOURCE ACCESSIBILITY IN AGRICULTURAL AND VETERINARY SERVICE SECTORS
00: -
The present invention is related to a comprehensive system with improved operational efficiency and resource accessibility in agricultural and veterinary service sectors. The invention is a comprehensive digital platform designed to revolutionize agriculture by integrating advanced technology into key farming operations. It connects farmers, veterinarians, and daily wage workers through a unified system, enabling seamless communication, job postings, and service access. The system features a robust user authentication system, job and service matching based on location, real-time chat functionality, and equipment-sharing options. By addressing challenges like workforce shortages, limited veterinary access, and the high cost of farming tools, the invention enhances efficiency, reduces operational costs, and empowers stakeholders in the agricultural ecosystem.

21: 2025/05158. 22: 2025/06/18. 43: 2026/02/11
51: B01D; F26B
71: DURR SYSTEMS AG
72: SCHAEFER, Andreas, RODRIGUEZ CORREA, Catalina, KEIL, Andreas
33: DE 31: 10 2022 132 528.8 32: 2022-12-07
54: APPARATUS AND METHOD FOR TREATING PROCESS GAS
00: -
An apparatus for treating process gas from an industrial plant, comprising a main line, wherein a first end of the main line is connected to a process-gas outlet of the industrial plant for letting process gas to be treated out of the main line and a second end of the main line is connected to a process-gas inlet of the industrial plant for feeding the treated process gas into the industrial plant, and comprising an exhaust-gas branch for branching off part of the process gas from the main line into an exhaust-gas line, by way of which part of the process gas can therefore be discharged into the surroundings in the form of exhaust gas.

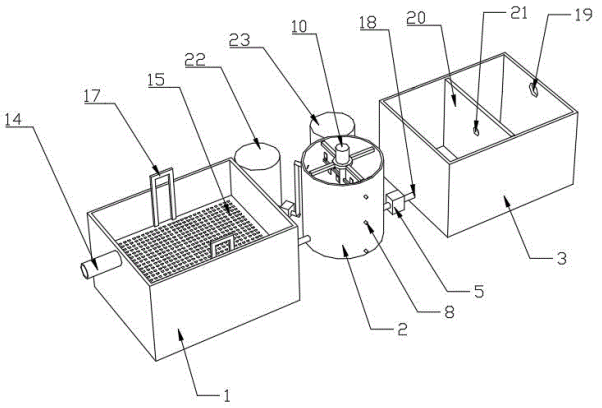


21: 2025/05186. 22: 2025/06/18. 43: 2026/02/12
51: C14C
71: CTC, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, UNIVERSITÉ DE MONTPELLIER, ENSCM - ECOLE NATIONALE SUPERIEURE DE CHIMIE
72: MONTHEIL, Titouan, CASSENTI, Thomas, SUBRA, Gilles, MEHDI, Ahmad, PONCET, Thierry
33: FR 31: FR2212156 32: 2022-11-22
54: METHOD FOR PREPARING LEATHER COMPRISING THE USE OF SILYLATED COMPOUND AND LEATHER OBTAINED BY THIS METHOD
00: -
The present invention relates to a finished leather having at least one ennobled property provided by at least one silylated treatment agent, and to the methods for preparing such a finished leather, comprising the use of a silylated compound during the tanning step and/or during an ennoblement step performed after tanning.

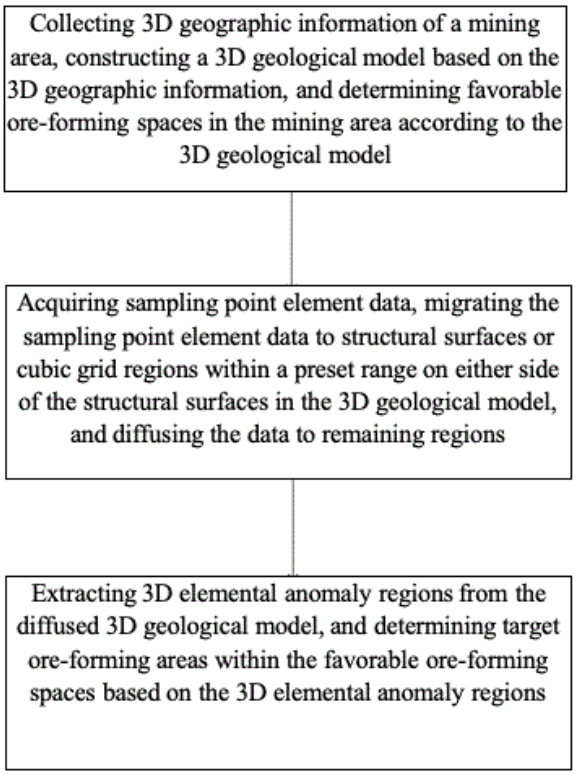


21: 2025/05194. 22: 2025/06/19. 43: 2026/02/12

51: C02F
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, HENAN TUOYA ENVIRONMENTAL TECHNOLOGY CO., LTD., HENAN CHENGJIANG LOW-ALTITUDE INTEGRATED SERVICES CO., LTD.
72: HEI Xiaohan, LIU Kai, DONG Wenchao, HEI Qiaoli, GUO Liping
54: RECYCLING DEVICE FOR DECONTAMINATING ACIDIC AND ALKALINE INDUSTRIAL WASTEWATER
00: -
The present invention discloses a recycling device for decontaminating acidic and alkaline industrial wastewater, belonging to the technical field of wastewater treatment equipment. The device includes sequentially connected components including a temporary wastewater storage tank, an acid-base neutralization tank, and a sedimentation tank. The temporary wastewater storage tank is connected to the acid-base neutralization tank via a first metering pump, while the acid-base neutralization tank is connected to the sedimentation tank via a second metering pump. The acid-base neutralization tank is equipped with a stirring assembly and is flanked by an acid storage tank and an alkali storage tank. The acid storage tank communicates with the neutralization tank through a third metering pump, and the alkali storage tank connects via a fourth metering pump. Multiple pH probes are installed within the neutralization tank, with all probes and metering pumps (first to fourth) being electrically connected to a central controller. This integrated system achieves comprehensive pH adjustment of wastewater within a single apparatus, significantly enhancing equipment compactness while reducing production investment costs.



21: 2025/05195. 22: 2025/06/19. 43: 2026/02/12
51: G06Q
71: China Metallurgical Exploration Co., Ltd.
72: WEI Jiang, REN Liangliang, YU Bin, WANG Xu, PENG Wei, LI Yanxiang, YAO Yuewen, WANG Xijun, XIE Zichen, ZHANG Chengyu
54: BLIND ORE PREDICTION METHOD BASED ON 3D GEOLOGICAL MODELING AND STRUCTURAL SUPERIMPOSED HALO THEORY
00: -
The present invention relates to a blind ore prediction method based on 3D geological modeling and structural superimposed halo theory, including: collecting 3D geographic information of a mining area, constructing a 3D geological model based on the 3D geographic information, and determining favorable ore-forming spaces in the mining area according to the 3D geological model; acquiring sampling point element data, migrating the sampling point element data to structural surfaces or cubic grid regions within a preset range on either side of the structural surfaces in the 3D geological model, and diffusing the data to remaining regions; extracting 3D elemental anomaly regions from the diffused 3D geological model, and determining target ore-forming areas within the favorable ore-forming spaces based on the 3D elemental anomaly regions. The invention fully utilizes the advantages of 3D geological modeling technology to improve the accuracy and reliability of structural superimposed halo-based blind ore prediction, providing stronger technical support for deep and peripheral ore exploration.

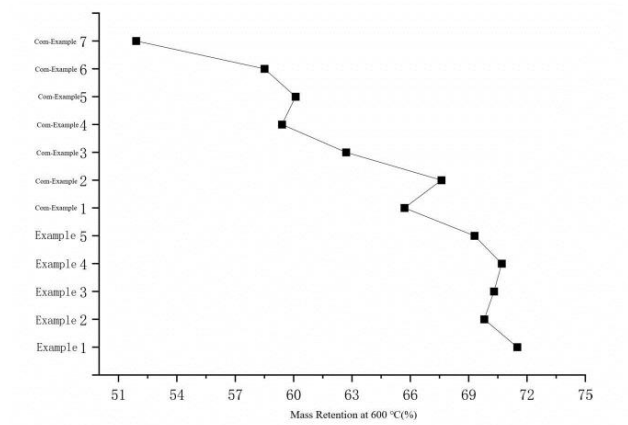


21: 2025/05196. 22: 2025/06/19. 43: 2026/02/12
51: C08L
71: Puyang Binder Chemical Co., Ltd.
72: Qixiang TONG, Kai FAN, Wengang LI, Hongyan ZONG
33: CN 31: 2024108793522 32: 2024-07-02

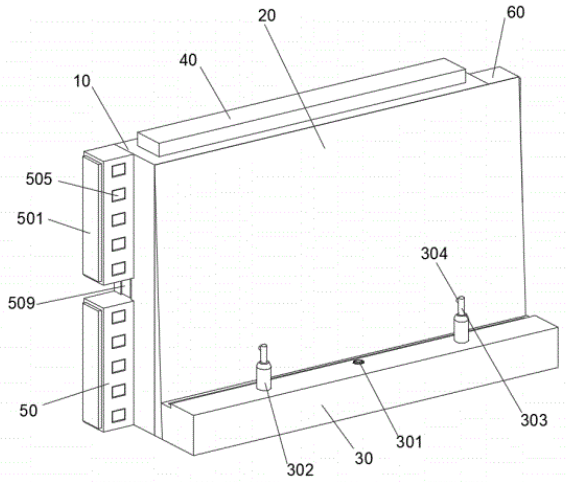
54: RUBBER RESIN AND ITS PREPARATION PROCESS

00: -

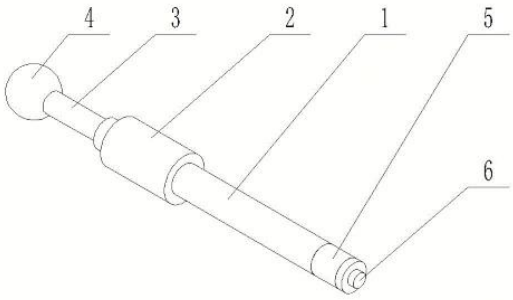
The present invention provides a rubber resin and a preparation process therefor, which belong to the technical field of modified phenolic resins. A single-micelle core-shell SiO2 nanoparticle and a polyamide composite modified phenolic resin are combined to obtain the rubber resin; Specific process steps: S1. adding, in parts by weight, 3.8-4.6 parts of phenol and 1 part of boric acid into a three-necked flask, adjusting the pH to be acidic, adding 0.05-0.1 parts of a water-carrying agent, increasing the temperature to 100°C, and performing a reaction by gradient heating to 180°C for 5 h to obtain a reaction solution; S2. cooling and reducing the reaction solution obtained in S1 to 90°C, adding 0.5-0.8 parts of polyamide, 1-2 parts of paraformaldehyde and 0.2-0.4 parts of mono-micelle core-shell SiO2 nanoparticles, stirring and increasing the temperature to 105-115°C, continuing the reaction for 0.5-2 h, vacuum drying at 115-120°C for 2-8 h, and rapid discharging to obtain a gel material; S3. adding 0.5-1 parts by mass fraction of a 10% aqueous solution of methyltetraamine to the gel mass obtained in S2. stirring for 5-30 min, then standing for 30-50 min, and then breaking into powder, so as to obtain the resin for rubber. The resin prepared in the present invention has excellent thermal stability and toughness at the same time.The present invention provides a rubber resin and a preparation process therefor, which belong to the technical field of modified phenolic resins. A single-micelle core-shell SiO2 nanoparticle and a polyamide composite modified phenolic resin are combined to obtain the rubber resin; Specific process steps: S1. adding, in parts by weight, 3.8-4.6 parts of phenol and 1 part of boric acid into a three-necked flask, adjusting the pH to be acidic, adding 0.05-0.1 parts of a water-carrying agent, increasing the temperature to 100°C, and performing a reaction by gradient heating to 180°C for 5 h to obtain a reaction solution; S2. cooling and reducing the reaction solution obtained in S1 to 90°C, adding 0.5-0.8 parts of polyamide, 1-2 parts of paraformaldehyde and 0.2-0.4 parts of mono-micelle core-shell SiO2 nanoparticles, stirring and increasing the temperature to 105-115°C, continuing the reaction for 0.5-2 h, vacuum drying at 115-120°C for 2-8 h, and rapid discharging to obtain a gel material; S3. adding 0.5-1 parts by mass fraction of a 10% aqueous solution of methyltetraamine to the gel mass obtained in S2. stirring for 5-30 min, then standing for 30-50 min, and then breaking into powder, so as to obtain the resin for rubber. The resin prepared in the present invention has excellent thermal stability and toughness at the same time.



21: 2025/05198. 22: 2025/06/19. 43: 2026/02/12
51: E04B
71: Henan University of Urban Construction
72: LOU, Yafei, OUYANG, Kai, SHANG, Feng, WU, Wenlong, HUANG, Peng
33: CN 31: 202510174255.8 32: 2025-02-18
54: PREFABRICATED ENERGY-SAVING AND THERMALLY-INSULATING WALL FOR BUILDING, AND PREFABRICATING METHOD THEREOF
00: -
The present invention relates to the technical field of thermal insulation walls, in particular to a prefabricated energy-saving and thermally-insulating wall for a building, and a prefabricating method thereof. The prefabricated energy-saving and thermally-insulating wall for a building includes a main body, where an external thermal insulation layer is fixedly arranged on a surface of one side of the main body. A surface of the external thermal insulation layer is fixedly connected to a water collecting tank, and a temperature sensor is mounted on a surface of the water collecting tank in an embedded manner. Water pumps are symmetrically mounted on the surface of the water collecting tank, tail ends of water outlet pipes of the water pumps are connected to pipelines, and tail ends of the pipelines are connected to atomizing nozzles. A clamping block is fixedly connected to one side of a surface of the main body.



21: 2025/05199. 22: 2025/06/19. 43: 2026/02/12
51: A61B
71: The First Affiliated Hospital of Wenzhou Medical University, Baotou Medical College, Inner Mongolia University of Science and Technology
72: ZHENG Kewen, MA Qiang, JU Hongge, MING Tianyi, WU Weiqiang, WANG Xingyu
54: UROLOGICAL URETHRAL CYSTOSCOPE
00: -
The present invention discloses a urological urethral cystoscope, and relates to the field of medical devices. It includes a sheath, an endoscope is installed at the distal end of the sheath, a heating component is slidably connected to the outer side of the sheath, and a ring is installed near the endoscope, lubricating oil is arranged in the ring, lubricating oil can be extruded by external force to facilitate the insertion of the endoscope into the bladder. The invention integrates the endoscope at the distal end of the sheath to enable direct observation of the urethra and bladder. The slidably connected heating component adjusts the sheath's temperature to avoid low-temperature irritation of the animal's urethra. The ring's built-in lubricating oil design, combined with an extrusion mechanism, provides instant lubrication during insertion, significantly reducing friction between the sheath and the urethral mucosa and improving the smoothness of insertion into the animal's bladder.

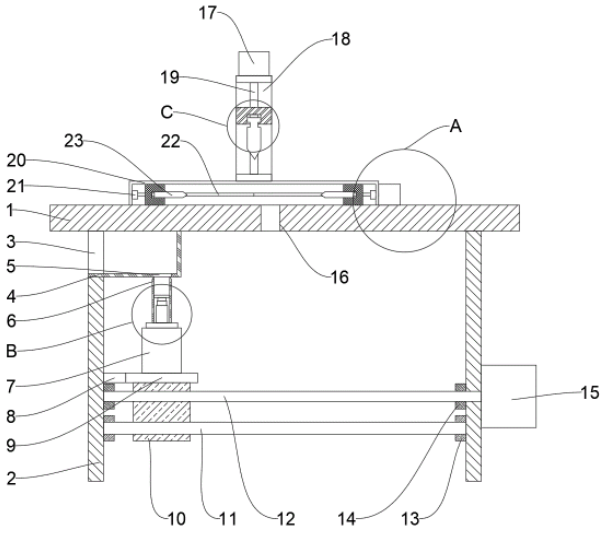


21: 2025/05200. 22: 2025/06/19. 43: 2026/02/12
51: G01N
71: Henan University of Urban Construction
72: CHEN Yanyan, LI Zhi, LI Zhigang, HU Yangshuo, YE Kun, TIAN Mengjie, ZHAO Yikai, XU Jiaming, YE Yanxin, LIU Junhong

54: SAMPLING AND TESTING DEVICE FOR MEAT QUALITY OF LIVESTOCK PRODUCTS

00: -

The invention belongs to the technical field of meat sampling and detection, and particularly relates to a sampling and testing device for meat quality of livestock products. During operation, the sampling and testing device for meat quality of livestock products first heats the meat block to a set temperature, then places the meat block into the placement part. The displacement mechanism drives the sampling mechanism to move below the placement part, and the sampling mechanism extends into the placement part to collect a sample. The sampling mechanism then retracts, and the displacement mechanism drives it to move below the third through hole. The sampling mechanism extends into the third through hole and ejects the sample. The sample corresponds to the horizontal cutting part and the vertical cutting part, and the horizontal cutting part and the vertical cutting part perform cutting and measure the cutting force. A smaller cutting force indicates a more tender sample. The invention takes into account the differences between the transverse and longitudinal textures of muscle fibers. By cutting the sample with the horizontal cutting part and the vertical cutting part and measuring the cutting force, the true tenderness of the meat can be comprehensively reflected.



21: 2025/05202. 22: 2025/06/19. 43: 2026/02/12
51: C02F
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, HENAN TUOYA ENVIRONMENTAL TECHNOLOGY CO., LTD., HENAN CHENGJIANG LOW-ALTITUDE INTEGRATED SERVICES CO., LTD.
72: HEI Xiaohan, LIU Kai, DONG Wenchao, HEI Qiaoli, GUO Liping

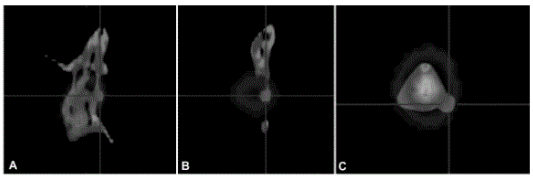
54: SEWAGE TREATMENT AGENT AND PREPARATION METHOD THEREOF

00: -

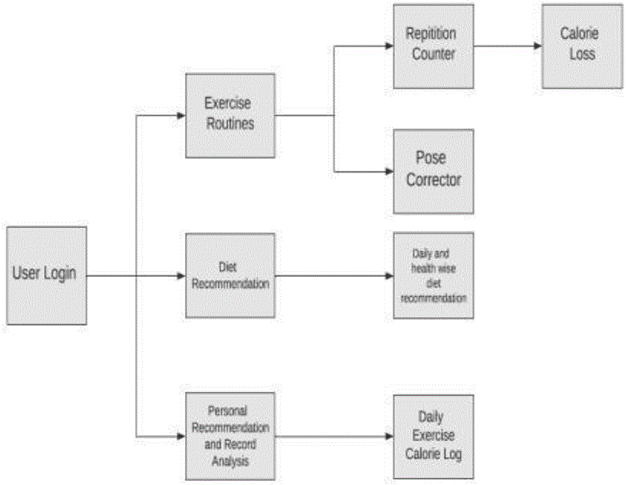
The present invention proposes a sewage treatment agent and its preparation method, belonging to the technical field of sewage treatment. The sewage treatment agent of the present invention is composed of the following raw materials in parts by weight: 30-80 parts of aluminum ash, 1-4 parts of catalyst, 20-50 parts of composite adsorbent, 2-4 parts of silane coupling agent, 10-25 parts of composite coagulant aid, 2-5 parts of polyamino acid, 3-8 parts of silicic acid, and 80-180 parts of water; where the composite adsorbent is a mixture of modified loofah fiber, modified bacterial cellulose, and modified diatomite; the composite coagulant aid is a mixture of sodium alginate, aloe vera gel, and modified soluble starch. By leveraging the synergy of chemical flocculants, composite adsorbents, microbial agents, and process optimization, the invention achieves efficient removal of COD and ammonia nitrogen pollutants, reduces chemical usage, and improves treatment stability, making it

particularly suitable for treating complex industrial wastewater.

21: 2025/05204. 22: 2025/06/19. 43: 2026/02/12
51: C07K
71: General Hospital of Ningxia Medical University
72: MA, Zhilong, BU, Yang, ZHAO, Qian, YANG, Jiaying
54: PREPARATION METHOD FOR 131I-CAERIN1.1 POLYPEPTIDE DEVELOPER
00: -
The present invention provides a preparation method for an 131I-Caerin1.1 polypeptide developer, and belongs to the technical field of pancreatic cancer detection. The preparation method for an 131I-Caerin1.1 polypeptide developer in the present invention is simple and feasible, and is suitable for industrial production. The prepared 131I-Caerin1.1 polypeptide developer is high in yield and desirable in stability. The present invention uses the 131I-Caerin1.1 polypeptide developer to image a tumor through a tumor-bearing mouse model where pancreatic cancer cells are derived from. A result shows that the 131I-Caerin1.1 polypeptide developer can detect pancreatic cancer. Accordingly, the 131I-Caerin1.1 polypeptide developer is expected to be a novel targeted molecular probe for early diagnosis of the pancreatic cancer.



21: 2025/05210. 22: 2025/06/19. 43: 2026/02/12
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KOTHAWADE, Bhushan Avinash, NAYAK, Sarvesh Santoshrao, SHETE, Om Sachin, KADALE, Mayuresh Santosh, CHAVHAN, Pranali Gajanan, KOLEKAR, Vikas K., CHAVHAN, Gajanan H.
54: AN AI BASED PERSONALIZED DIET AND WORKOUT RECOMMENDATION SYSTEM WITH INTEGRATED CHATBOT
00: -
The present invention is related to an AI based personalized diet and workout recommendation system with integrated chatbot. The invention is an AI based personalized diet and workout recommendation system that collects user health data and uses machine learning models to generate tailored health plans. It integrates a chatbot for real-time user interaction and offers professional consultations with trainers and dietitians. The system also features an e-commerce component to facilitate the purchase of related fitness and diet products, making it a comprehensive tool for health management.

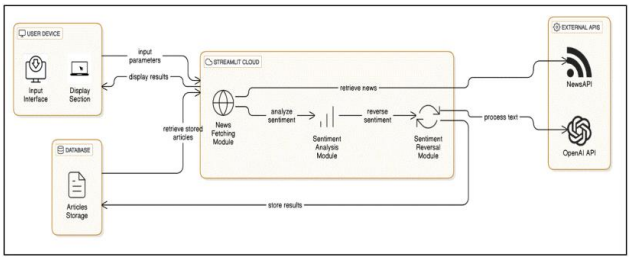


21: 2025/05212. 22: 2025/06/19. 43: 2026/02/12
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PAWAR, Vaishnavi Dattatray, SHERKAR, Ishwari Vijay, YELPALE, Arpita Niwas, CHAVHAN, Pranali G., WANKHEDE, Disha S., SAKHARE, Sachin R., MARAL, Vikas B., SHINDE, Gitanjali R., CHAVHAN, Gajanan H.
54: A REAL-TIME LARGE SCALE DATA PREPROCESSING SYSTEM WITH GRAPH-BASED FEATURE SELECTION AND DENSITY-BASED OVER-SAMPLING PROCESSES
00: -
The present invention is related to a real-time large scale data preprocessing system with graph-based feature selection and density-based over-sampling processes. This invention presents a comprehensive approach to improve machine learning performance on imbalanced datasets by combining Dynamic Density-Based Over-Sampling with Outlier Detection (DDOS-OD) and Graph-Based Feature Selection. The DDOS-OD method uses DBSCAN to cluster dense regions in the minority class, filters noise and outliers through Isolation Forest, and generates synthetic samples from meaningful inliers, ensuring

a more balanced and representative dataset. The Graph-Based Feature Selection technique identifies the most impactful features by constructing a graph of feature correlations and ranking features using mutual information and centrality measures. Together, these innovations enhance the accuracy and efficiency of machine learning models by addressing both data imbalance and feature redundancy. This invention is particularly beneficial for critical applications like fraud detection, medical diagnostics, and anomaly detection, where precise classification is vital and traditional methods fall short in maintaining data quality and relevance.

21: 2025/05213. 22: 2025/06/19. 43: 2026/02/12
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KULKARNI, Shailesh Vasudeorao, GAWANDE, Pravin Ganpatrao, RAUT, Ketan Janraoji, WAKCHAURE, Surajkumar
54: A SYSTEM FOR ESTIMATING HUMAN ENERGY DECAY THROUGH VOCAL ACTIVITY
00: -
The present invention is related to a system for estimating human energy decay through vocal activity. The invention is an advanced system designed to accurately measure and analyze vocal energy expenditure during vocal activities. By integrating high-precision microphones, accelerometers, and pressure sensors, the system captures comprehensive vocal data, including sound intensity and airflow. Real-time adaptive signal processing and sophisticated energy estimation algorithms provide detailed feedback on vocal energy decay, enabling users to monitor and optimize their vocal performance. This invention is particularly valuable for voice training, medical diagnostics, and everyday vocal health management, offering personalized insights and actionable recommendations to enhance vocal efficiency and prevent strain.

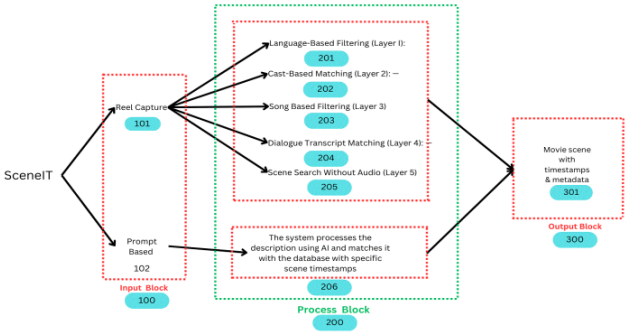
21: 2025/05214. 22: 2025/06/19. 43: 2026/02/12
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GARG, Ajay Sanjay, KADAM, Yash Ravindra, GAIKWAD, Sujeet Sarjerao, SHINDE, Siddharth Gopal, INGLE, Yashwant Sudhakar, MAHALLE, Parikshit N., RAUT, Ketan J.
54: AN INTEGRATED SYSTEM FOR REAL-TIME SENTIMENT ANALYSIS AND SENTIMENT REVERSAL OF POLITICAL NEWS ARTICLES
00: -
The present invention is related to an integrated system for real-time sentiment analysis and sentiment reversal of political news articles. The present invention aimed at transforming the sentiment of negative articles to positive while maintaining factual integrity. The system first retrieves news articles from various sources using NewsAPI, followed by sentiment classification utilizing tools like TextBlob and VADER to analyze the sentiment of each article. The articles are categorized as positive, negative, or neutral based on sentiment scores. For negative articles, the system applies OpenAI's GPT-3.5 model to reverse the sentiment, ensuring that the rewritten content remains factually accurate, coherent, and contextually aligned with the original article. The invention provides an intuitive graphical user interface (GUI) developed with Streamlit, allowing users to interact with the system by selecting date ranges for analysis, viewing original and transformed content, and accessing news articles directly through URLs. The system is deployed on Streamlit Cloud for scalability and real-time data processing. This approach enables politicians, media professionals, and public figures to counter negative news, influence public perception, and effectively shape narratives without compromising factual accuracy. The invention provides a comprehensive, accessible, and scalable solution for managing sentiment in political media, offering enhanced control over public reputation through context-preserving sentiment reversal.



21: 2025/05215. 22: 2025/06/19. 43: 2026/02/12
51: G01S

71: Hainan Academy of Forestry (Hainan Academy of Mangrove)
72: CHEN Xiaohua, CHEN Zongzhu, CHEN Yiqing, LI Yuanling, WU Tingtian, PAN Xiaoyan
54: A METHOD FOR EVALUATING THE EFFECT OF TROPICAL FOREST ECOLOGICAL PROTECTION AND RESTORATION ON CARBON SEQUESTRATION
00: -
The present invention patent discloses a method for evaluating the effectiveness of tropical forest ecological protection, restoration, and sink enhancement, specifically in the field of evaluation methods. Collecting multi-source remote sensing data, real-time monitoring data from ground IoT sensor networks, and biodiversity survey data, constructing a multidimensional ecological database through spatiotemporal fusion algorithms, and dynamically evaluating carbon sequestration effectiveness based on deep learning models. The multi-source remote sensing data includes hyperspectral satellite images, LiDAR point clouds, and synthetic aperture radar data. The real-time monitoring data from ground IoT sensor networks includes soil temperature and humidity, CO 2 flux. The ground sensor network includes distributed micro meteorological stations and soil carbon flux monitoring instruments, covering at least 80% of heterogeneous land parcels in the restoration area. The adoption of the technical solution of the present invention solves the problem of single data used in existing evaluation methods and the lack of effective means for evaluating the stability of carbon sinks after extreme climate events, and improves the accuracy of evaluation methods.

21: 2025/05216. 22: 2025/06/19. 43: 2026/02/12
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VIJAPURE, Yash Manoj, SINGH, Saksham Savyasachi, KAVITKAR, Vikrant Yashvant, KINAGI, Nagesh Bharatraj, KULKARNI, Shailesh Vasudeo, GAWANDE, Pravin Ganpatrao, RAUT, Ketan Janraoji
54: AN ARTIFICIAL INTELLIGENCE BASED VIDEO RECOGNITION AND METADATA RETRIEVAL SYSTEM FOR EMOTIVE REPLACEMENT
00: -
The present invention is related to an artificial intelligence based video recognition and metadata retrieval system for emotive replacement. This invention provides a multilayered framework for identifying movie scenes from short video reels to create dynamic emotion-based storytelling transformation. It integrates language filtering, transcript matching, and scene analysis to deliver precise results, including timestamps and metadata. The system leverages advanced AI techniques to address limitations in current video recognition technologies, offering robust solutions for entertainment, media, and digital marketing applications.



21: 2025/05217. 22: 2025/06/19. 43: 2026/02/12
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAVHAN, Pranali, KOLHE, Harshal Dnyaneshwar, NIKAM, Dipesh Shivaji, CHOUDHARY, Naman, KOLHE, Darshan, MARAL, Vikas B., WANKHEDE, Disha S., SHINDE, Gitanjali R., CHAVHAN, Gajanan H.
54: A QR CODE TECHNOLOGY BASED EFFICIENT INVENTORY MANAGEMENT SYSTEM
00: -
The present invention is related to a QR code technology based efficient inventory management system. This invention introduces a web-based inventory management system designed specifically for shopkeepers to streamline their inventory and billing operations. The system leverages QR code technology for efficient product tracking and stock management, ensuring real-time updates. Core functionalities include automated low-stock alerts, detailed sales analytics, and an integrated billing module. Basic supplier information is stored to assist in reordering and tracking product sources, enabling shopkeepers to maintain a consistent supply chain.

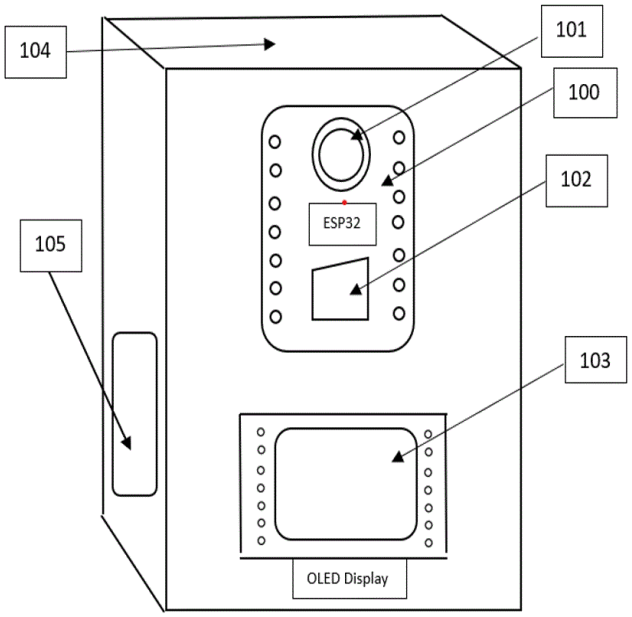
The system is scalable and cost-effective, making it ideal for small-to-medium businesses aiming to modernize their inventory processes.

21: 2025/05218. 22: 2025/06/19. 43: 2026/02/12
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GAWANDE, Pravin Ganpatrao, DHUTTARGAONKAR, Rajwardhan Mallikarjun, MOTGHARE, Preshit, GANESH, Pranali Kirshna, KULKARNI, Shailesh Vasudeorao, RAUT, Ketan Janraoji, PATIL, Mileend Sahebrao, AMBHORE, Vishal Bhaskarrao

54: A MACHINE LEARNING BASED REAL-TIME SIGN LANGUAGE RECOGNITION SYSTEM

00: -

The present invention is related to a machine learning based real-time sign language recognition system. The system is a cost-effective, portable, and energy-efficient solution designed to bridge communication gaps for hearing and speech-impaired individuals. The system utilizes the ESP32-CAM microcontroller, equipped with a built-in 2 MP camera, to capture hand gestures in real-time. A Convolutional Neural Network (CNN) model, optimized with TensorFlow Lite, processes the images to classify gestures with high accuracy and minimal latency. This system is robust, capable of operating in diverse environments, and scalable, allowing for the addition of new gestures and multilingual support. Its compact design and low power consumption make it suitable for a wide range of applications, including assistive technology, education, and public services, promoting inclusivity and accessibility.



21: 2025/05219. 22: 2025/06/19. 43: 2026/02/12
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANKHEDE, Disha Sushant, MISHRA, Vaishali, SALUNKE, Atharva Vinay, GUPTA, Daksh, AHMED, Danyal, KULKARNI, Tanish, LADE, Samiksha

54: A REAL-TIME EMERGENCY ASSISTANCE SYSTEM FOR ENHANCED WOMEN'S SAFETY

00: -

The present invention is related to a real-time emergency assistance system for enhanced women's safety. The invention is an innovative women's safety solution designed to provide real-time emergency assistance through a multi-layered alert system. Unlike traditional safety systems that rely solely on cellular networks or proprietary hardware, this system integrates a novel combination of live location tracking, SOS SMS notifications, receiver-activated buzzer alerts, and RF-based broadcasting (FM/GMRS) to ensure comprehensive coverage and rapid response in emergency situations. The system leverages cost-effective, off-the-shelf components, including Arduino Nano/UNO, GSM SIM800L, and Neo 6M GPS modules, integrated with a smartphone automation app (MacroDroid) to eliminate the need for expensive proprietary hardware. This significantly reduces the cost of deployment and makes the solution accessible to a broader audience, particularly in low-resource settings. The RF-based broadcasting feature provides a unique advantage

by alerting individuals within a 1.5 km radius even in areas with poor cellular connectivity, ensuring help is sought promptly. Additionally, the receiver-activated buzzer alerts produce a loud audio signal, drawing immediate attention from bystanders, a critical feature absent in most existing technologies. The system's multi-channel communication ensures redundancy, combining global cellular coverage with localized RF broadcasting to maximize the likelihood of assistance.

21: 2025/05240. 22: 2025/06/19. 43: 2026/02/13
51: C04B
71: MATERRUP
72: NEUVILLE, Mathieu, MERCÉ, Manuel, KRAMMER DEVILLARD, Julie, TRINCAL, Vincent
33: FR 31: FR2214479 32: 2022-12-23
54: LOW-CARBON CONSTRUCTION BINDER AND ASSOCIATED CONSTRUCTION MATERIAL
00: -
The invention relates to a construction binder comprising: - 35% to 65% by weight clinker, - 5% to 30% by weight of a calcined clay matrix, - 5% to 30% by weight of a raw clay matrix, and - 0.05% to 5% by weight of a deflocculant; and the weight ratio of the raw clay matrix to the calcined clay matrix is between 0.2 and 7. The invention further relates to a construction material comprising a construction binder according to the invention.

21: 2025/05242. 22: 2025/06/19. 43: 2026/02/13
51: C04B
71: MATERRUP
72: NEUVILLE, Mathieu, MERCÉ, Manuel, KRAMMER DEVILLARD, Julie, TRINCAL, Vincent
33: FR 31: FR2214478 32: 2022-12-23
54: CONSTRUCTION BINDER AND ASSOCIATED CONSTRUCTION MATERIAL
00: -
The invention relates in particular to a construction binder comprising more than 10% by weight of one or more raw clay matrices, at least 8% by weight of one or more activators, the one or more activators preferably comprising clinker, at least two precursors and at least one deflocculating polymer, the at least two precursors comprising at least one calcined clay matrix and at least one other precursor, the construction binder comprising at least 2% by weight of one or more calcined clay matrices. The invention also relates to a method for preparing such a construction binder and to construction materials based on this binder.

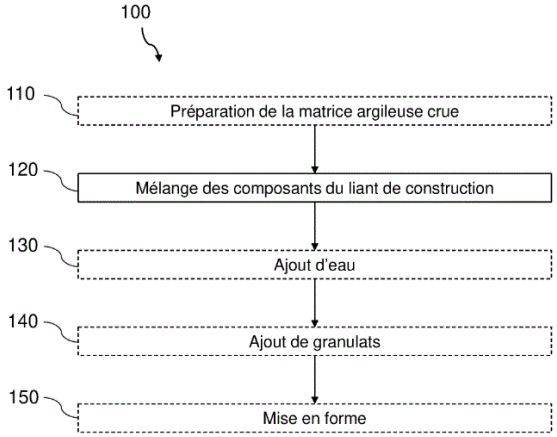


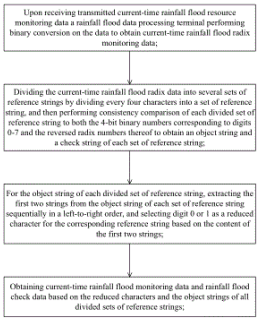
FIG. 1

110 Preparing the raw clay matrix
120 Mixing the components of the construction binder
130 Adding water
140 Adding aggregate
150 Shaping

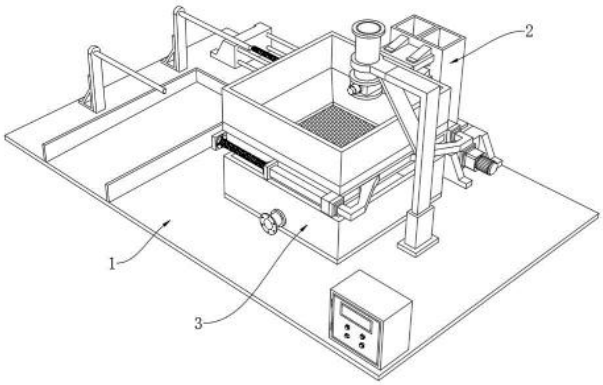
21: 2025/05250. 22: 2025/06/20. 43: 2026/02/12
51: C12N
71: Bayinguoleng Vocational and Technical College
72: YUAN Xiaowei, LV Huijie, XU Yonggang
54: BIOCHAR-BASED BACTERIAL AGENT, PREPARATION METHOD AND APPLICATION
00: -
The present invention provides a biochar-based bacterial agent, a preparation method thereof, and an application. The biochar-based bacterial agent comprises biochar and Bacillus velezensis loaded on the biochar. The preparation process involves inoculating Bacillus velezensis into a medium to obtain a fermentation broth, loading the broth onto biochar co-pyrolyzed from silicon-rich biomass and Fenton reaction-treated sludge, centrifuging to obtain biochar containing Bacillus velezensis, adding brewer's spent grains and sucrose as high-temperature protectants, drying via fluidized bed, and finally adding a starch-chitosan composite as a synergist and adhesive for extrusion granulation to obtain the product. The biochar-based bacterial agent of the present invention features a simple preparation method, provides an optimal habitat for biocontrol bacteria, extends the storage time of biocontrol bacteria in the prepared agent, and

exhibits excellent effects in promoting the growth of solanaceous vegetables and controlling diseases such as wilt, bacterial wilt, and blight, showing promising development and application prospects.

21: 2025/05252. 22: 2025/06/20. 43: 2026/02/12
51: H04L
71: Institute of Pastoral Hydraulic Research, MWR
72: ZHAO, Shuixia, ZHOU, Yajun, WU, Yingjie, ZHOU, Quancheng, WANG, Wenjun, CUI, Shengjie, CHEN, Xiaojun, LI, Wei, WANG, Sinan, CHEN, Zexun, ZHANG, Weijie, YIN, Hang, HU, Wei, ZHAO, Qian, GAO, Weizheng, QI, Le, ZHANG, Mengmeng, LIU, Xiaomin, MIAO, Ping, WANG, Yixuan, GAO, Ruizhong, ZHAO, Ziyang, SUN, Boyan, YANG, Yaotian, ZHONG, Ran, YUN, Jiameng
33: CN 31: 202411468979.5 32: 2024-10-21
54: THREE-DIMENSIONAL MONITORING METHOD AND SYSTEM FOR RAINFALL FLOOD RESOURCES
00: -
The present invention discloses a three-dimensional monitoring system for rainfall flood resources. The present invention achieves real-time collection of rainfall flood resource monitoring data through a local collection terminal, and real-time monitoring data are split into rainfall flood monitoring data and rainfall flood check data through a rainfall flood data processing terminal. Such a method integrates the check and correction functions of transmitted data and guarantees the integrity and accuracy of the rainfall flood resource monitoring data. Additionally, rainfall flood check resources are generated based on the rainfall flood resource monitoring data, and the character count of rainfall flood check strings is consistent with the reduced character count of the rainfall flood monitoring data. Therefore, it is effectively ensured that the data volume is not increased in the transmission of the rainfall flood resource monitoring data due to the increase of the check data.



21: 2025/05253. 22: 2025/06/20. 43: 2026/02/12
51: C02F
71: Henan University of Urban Construction
72: Wenchao Dong, Kai Liu, Yiju Tang, Peixin Zhang, Linxu Li, Junqi Zhang
54: A WASTEWATER TREATMENT DEVICE FOR WATER RESOURCE REUSE
00: -
The present invention relates to the technical field of wastewater pretreatment and discloses a wastewater treatment device for water resource reuse, comprising: a wastewater treatment base; and a solid-liquid separation mechanism, which is arranged on the top of the wastewater treatment base and is used for mechanically filtering the wastewater while automatically discharging impurities.Through the overall design of the solid-liquid separation mechanism, users can introduce wastewater with a high impurity content into the inner cavity of the wastewater transfer tank. The wastewater is mechanically filtered by a filter mesh plate, which intercepts the impurities within the inner cavity of the wastewater transfer tank. After a certain amount of impurities accumulates, the operation of the servo motor can drive the entire wastewater transfer tank to move leftward. Through the engagement with a fixed rod, a gate plate is driven to slide rightward relative to the base plate, thereby opening the vertical through slot. Under the action of gravity, the impurities in the inner cavity of the wastewater transfer tank are automatically discharged, thus realizing the function of automatic cleaning.

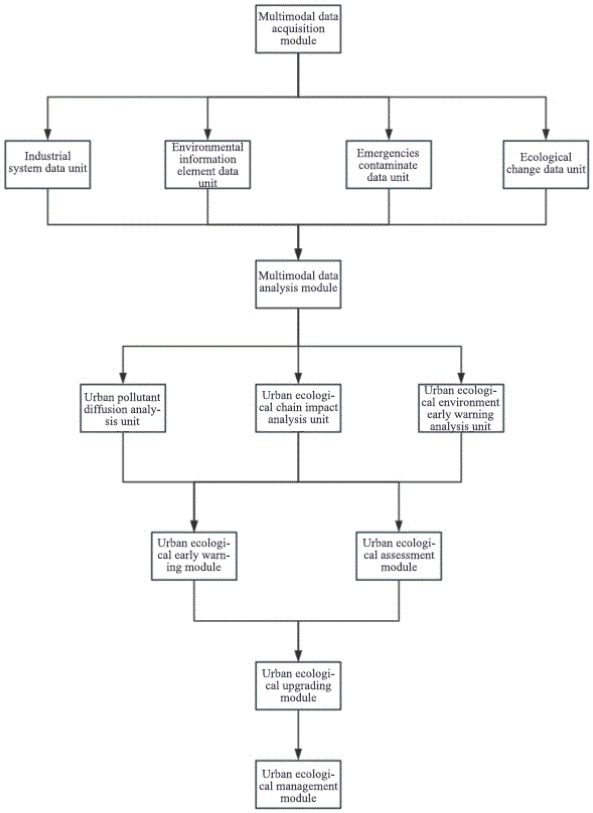


21: 2025/05254. 22: 2025/06/20. 43: 2026/02/12
51: G06Q
71: Henan University of Urban Construction
72: Jianfei Zhao, Linghui Li, Siyuan Li, Jie Wang, Ruijie Xing

54: URBAN MANAGEMENT SYSTEM BASED ON MULTIMODAL DATA

00: -

The present invention relates to the cross-technical field of smart cities and intelligent urban management, and discloses an urban management system based on multimodal data, including a multimodal data acquisition module, a multimodal data analysis module, an urban ecological early warning module, an urban ecological assessment module, an urban ecological upgrade module and an urban ecological management module. The multimodal data acquisition module acquires multimodal data. The multimodal data analysis module fuses and processes the collected multimodal data, and calculates the diffusion range C(x,y,z,t) of pollutants, the degree Ex of impact on the urban ecological chain, and the warning value Jz of seasonal emergency events. The urban ecological warning module triggers the warning signal based on the calculation results. The urban ecological assessment module, based on the calculation results of the multimodal data analysis module, a comprehensive assessment of the overall status of the urban ecological environment is conducted. The urban ecological upgrading module formulates targeted optimization strategies, and the urban ecological management module is responsible for integrating all modules to achieve comprehensive management of the urban ecological environment.



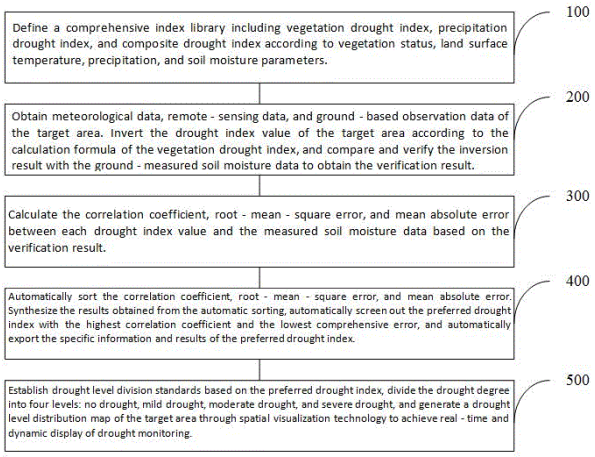
21: 2025/05255. 22: 2025/06/20. 43: 2026/02/12
51: G06Q
71: Henan Remote Sensing Institute
72: YU Haikun, ZHANG Tao, ZHOU Junli, LIU Xue, YANG Zhen, LIU Jing, CHAO Qidi, ZHANG Minghao, ZHANG Liangge, ZHANG Shaoliang, FU Jiadi, LI Ying, SU Hang, YU Tong, WANG Lei, YU Shumin, TIAN Xinxin, SHI Qinlong, LI Ruifeng, SI Linan

54: AN AGRICULTURAL DROUGHT MONITORING METHOD COVERING A VARIETY OF REMOTE - SENSING DROUGHT INDICES

00: -

The present invention provides an agricultural drought monitoring method covering a variety of remote - sensing drought indices, including: establishing a comprehensive drought index library covering vegetation, precipitation, and composite drought indices based on vegetation status, land surface temperature, precipitation, and soil moisture data; obtaining meteorological, remote - sensing, and ground - based observation data of the target area, calculating the drought value through the vegetation drought index formula, and comparing and verifying it with the measured soil moisture data;

calculating the correlation coefficient and error between the drought index and soil moisture, and screening out the optimal drought index through automatic sorting; establishing drought level standards (no drought, mild drought, moderate drought, severe drought) based on the preferred index, and generating a drought level distribution map to monitor the drought situation in real - time. The present invention provides an efficient agricultural drought monitoring system suitable for drought assessment.

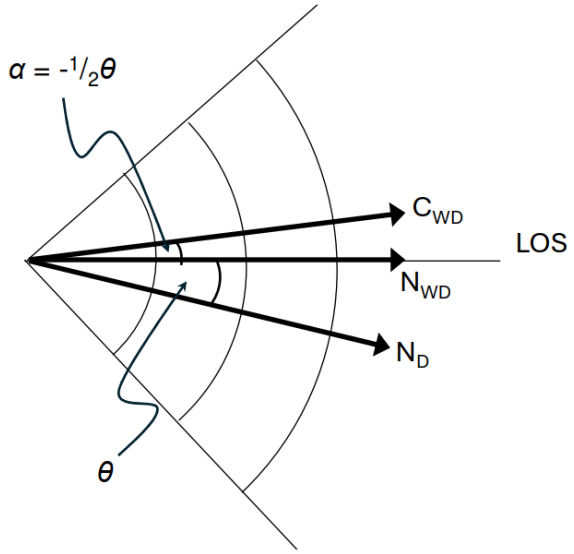


21: 2025/05256. 22: 2025/06/20. 43: 2026/02/12
51: H01Q; H04B
71: VODAFONE GROUP SERVICES LIMITED
72: EL-HELALY, Alaa
33: GB 31: 2409712.3 32: 2024-07-04

54: METHOD FOR POSITIONING A MICROWAVE ANTENNA

00: -

A method for positioning a transmission direction of a microwave antenna for a point-to-point communication link, the microwave antenna mounted on a metal monopole structure, wherein the metal monopole structure periodically deforms due to ambient temperature effects. The method comprises obtaining received signal measurements of the point-to-point communication link, taken at the microwave antenna having the transmission direction in a first direction and over a time period being a fraction or multiple of a total duration in which the deformation occurs. The method also comprises positioning the transmission direction of the microwave antenna in a second direction, in which an off-peak portion of a main lobe of a radiation pattern of the microwave antenna is aligned with an axis of the point-to-point communication link when deformation does not occur. The second direction is determined based on the received signal measurements and allows operational communication over the point-to-point communication link when both deformation occurs and deformation does not occur.



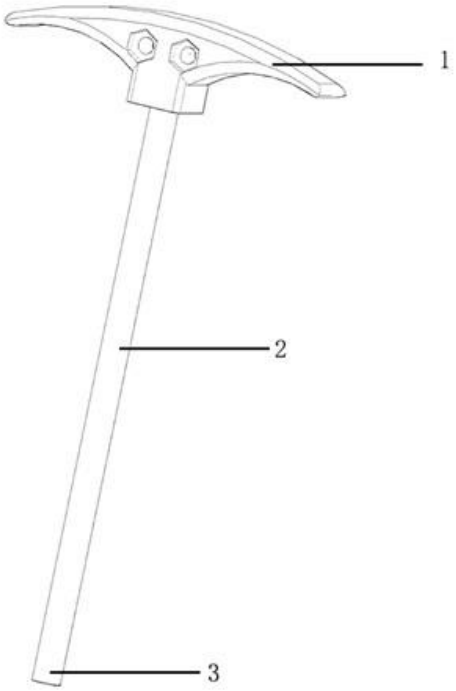
21: 2025/05266. 22: 2025/06/20. 43: 2026/02/12
51: A61B
71: DALIAN UNIVERSITY OF TECHNOLOGY
72: Hong WANG, Guanying YANG, Ling WANG, Rui YANG, Jiayu HAO, Jun HUANG
33: CN 31: 202223559720.0 32: 2022-12-30

54: NEW BONE TISSUE NEEDLE BIOPSY SAMPLING PATHOLOGICAL KNIFE

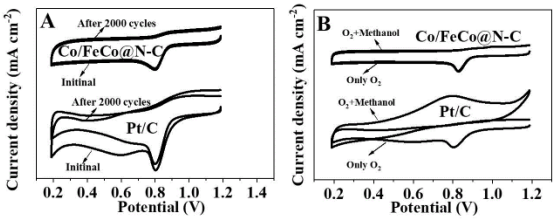
00: -

Disclosed in the present invention is a new bone tissue needle biopsy sampling pathological knife, wherein a handle at an upper portion is used as a holding and stress part; a tubular cavity at a front end of a tubular hollow knife body is used for accommodating a sample to be taken; a smooth peripheral circular knife head at a distal end encircles target tissue when advancing; and the pathological knife is rotated to use the torsional force of a wedge-like bone knife to destroy a joint between the sample to be taken for examination and adjacent tissue thereof. The device has a rational structure, good biocompatibility and sufficient strength. By optimizing the structure of the knife head, the device has the functions of both a conventional trephine

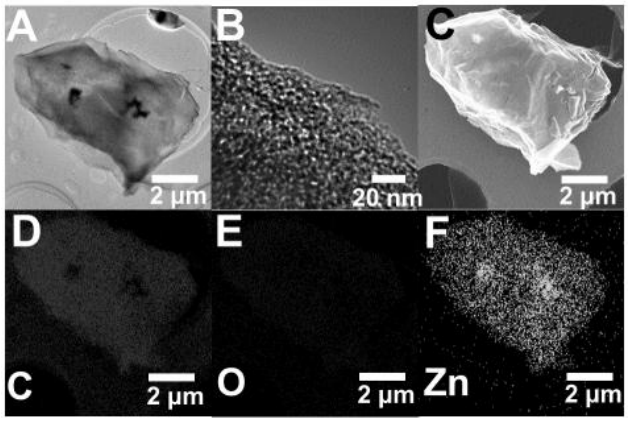
and a taking-out device, thereby simplifying the procedure of a needle biopsy, solving the problem of the difficulties in sampling bone tissue for examination with the size limitations of a needle biopsy device, effectively increasing the success rate of the needle biopsy, and shortening the operation time.



21: 2025/05318. 22: 2025/06/23. 43: 2026/02/13
51: B01J
71: Henan University of Urban Construction
72: HUANG Hui, HU Jiyong, ZENG Yahong
54: CARBON-COATED NANO-COBALT COMPOSITE MATERIAL, PREPARATION METHOD, AND APPLICATIONS THEREOF
00: -
The present invention proposes a carbon-coated nano-cobalt composite material, preparation method, and applications thereof, belonging to the technical field of fuel cell fabrication. The method involves uniformly mixing 2-methylimidazole, zinc oxide, Fe2(CO)9, and Co2(CO)8, then adding methanol to the mixture, performing a ball-milling reaction, and air-drying the resulting sample to obtain a precursor. The prepared precursor is then subjected to high-temperature calcination to yield the carbon-coated nano-cobalt composite material. The invention employs a ball-milling method to uniformly encapsulate Fe and Co metal sources within the carbon material, which exhibits excellent stability and conductivity, thereby promoting redox reactions. The raw materials used, Fe2(CO)9 and Co2(CO)8, possess high metal coordination numbers, ensuring superior dispersibility. Additionally, non-precious metals such as iron and cobalt are cost-effective, offering significant advantages over Pt-based catalysts.



21: 2025/05319. 22: 2025/06/23. 43: 2026/02/13
51: H01M
71: Henan University of Urban Construction
72: HUANG Hui, HU Jiyong, ZENG Yahong
54: PREPARATION METHOD AND APPLICATION OF MOF-74(ZN)-DERIVED OXIDE-SUPPORTED CARBON COMPOSITE MATERIAL THEREOF
00: -
The invention discloses a preparation method and application of MOF-74(Zn)-derived oxide-supported carbon composite material thereof, belonging to the technical field of electrode materials. The method includes the following steps: pyrolyzing nano-sized MOF-74(Zn) synthesized by a hydrothermal method at 800 degrees Celsius for 2 hours under nitrogen protection, followed by pyrolyzing in an air atmosphere at 400 degrees Celsius for 2 hours, to obtain the MOF-74(Zn)-derived oxide-supported carbon composite material. The prepared MOF-74(Zn)-derived oxide-supported carbon composite material is used as a negative electrode for lithium-ion batteries, which may effectively improve the electrochemical performance and cycling stability of lithium-ion batteries.

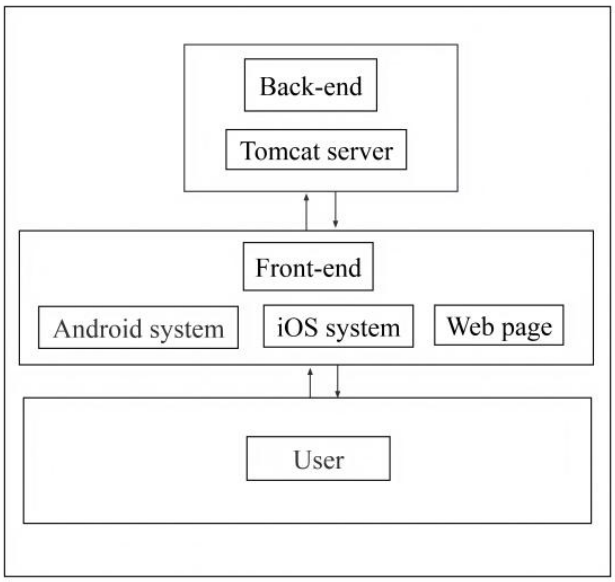


21: 2025/05320. 22: 2025/06/23. 43: 2026/02/13
51: G06Q
71: Yangzhou University, Yangzhou Firefly Network Technology CO., LTD, ZHANG Huiling
72: ZHANG Tangjie, LIU Xiaocheng, ZHANG Huiling, LIU Xinyuan

54: FARMING INTELLIGENT AGENT BASED ON DEEPSEEK-R1 INFERENCE MODEL

00: -

The invention discloses a farming intelligent agent based on DeepSeek-R1 inference model, including a front-end interaction unit and a back-end server; the front-end interaction unit is used to interact with users, and the back-end server is used to provide and store data for the front-end interaction unit; and the front-end interaction unit includes a user account management module, a poultry farming record module, a poultry disease diagnosis module and an immunization design module; the intelligent immunization plan generation can be based on factors such as poultry species, ages, and seasons, and DeepSeek automatically generates the optimal immunization plan. The immunization effect evaluation can evaluate the execution effect of the immunization plan through data analysis and adjust the immunization strategy in time. The intelligent early warning module includes disease early warning and environmental monitoring. The disease early warning can analyze poultry behavior and symptom data through the DeepSeek algorithm to warn of potential disease risks in advance. The environmental monitoring can be combined with sensor data to monitor the poultry house environment (temperature, humidity, air quality, etc.) in real time, and provide optimization suggestions through DeepSeek analysis. The data analysis module includes farming data visualization and intelligent decision support. The farming data visualization displays the farming data in the form of charts to help users intuitively understand the farming situation. The intelligent decision support analyzes historical data and market trends through DeepSeek to provide users with farming strategy recommendations, such as the best-selling time, cost optimization solutions, etc. The present invention solves the problems that small- and medium-sized poultry farmers are currently unable to quickly diagnose poultry diseases and take effective countermeasures when special circumstances arise in their farming, as well as the difficulty in recording and summarizing poultry house data and immunization plans, and is capable of assisting farmers in implementing effective immunization plans to reduce losses and increase profits for the farmers.

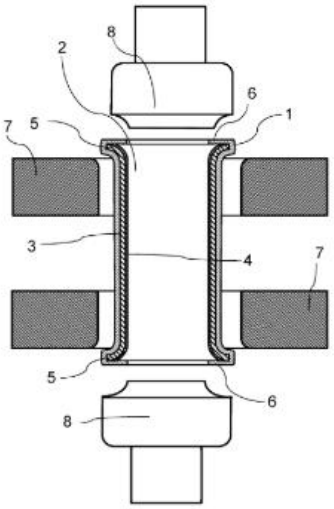


21: 2025/05324. 22: 2025/06/23. 43: 2026/02/18
51: B31B; B31D; B31F
71: ENVICAN GMBH
72: SCHOENIG, Christoph, DIAZ, Mario, RESTREPO, Jorge
33: AT 31: A 60201/2022 32: 2022-12-14

54: SEALING OF CUT EDGES OF HOLLOW ARTICLES THAT ARE OPEN AT BOTH ENDS

00: -

The invention relates to a method and a device for sealing cut edges of hollow articles that are open at both ends and comprise a cover on the exterior of the hollow article.

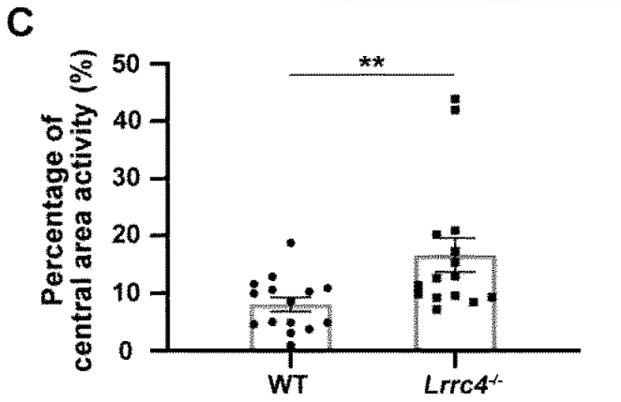


21: 2025/05326. 22: 2025/06/23. 43: 2026/02/13
51: A61K; C12Q; A61P
71: CENTRAL SOUTH UNIVERSITY
72: WU Minghua, LI Danyang, ZHANG Yan, ZOU Guoying, LIU Jin, WANG Zeyu
33: CN 31: 202310900510.3 32: 2023-07-21

54: REAGENT FOR DETECTING AGED NEUTROPHILS IN BLOOD AND USE

00: -

A reagent for detecting aging neutrophils in blood and the use thereof. The reagent can be used for assisting in diagnosis of mental disorders, and for predicting and/or judging the therapeutic effects of a drug for mental disorders. By using the number of aging neutrophils in blood as a blood diagnosis marker for mental disorders, the reagent for detecting aging neutrophils in blood can rapidly diagnose mental disorders, and also provides therapeutic targets and important bases for clinical applications such as gene therapy and drug therapy.

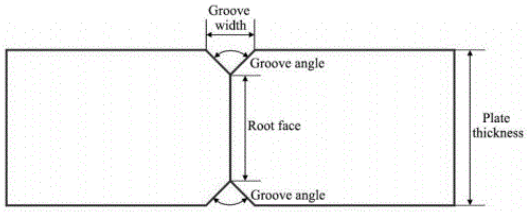


21: 2025/05327. 22: 2025/06/23. 43: 2026/02/13
51: B23K
71: HARBIN WELDING INSTITUTE LIMITED COMPANY
72: TENG, Bin, WU, Pengbo, HUANG, Ruisheng, ZHANG, Lei, XU, Kai, ZHANG, Qingsu, YIN, Dongkun, LIANG, Xiaomei, FANG, Naiwen, ZHOU, Xin, LI, Qi
33: CN 31: 202410456147.5 32: 2024-04-16

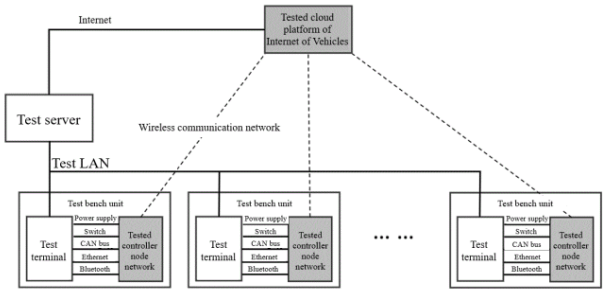
54: HIGH-POWER LASER-SUBMERGED ARC HYBRID DEEP-PENETRATION WELDING METHOD AND APPARATUS FOR THICK PLATES

00: -

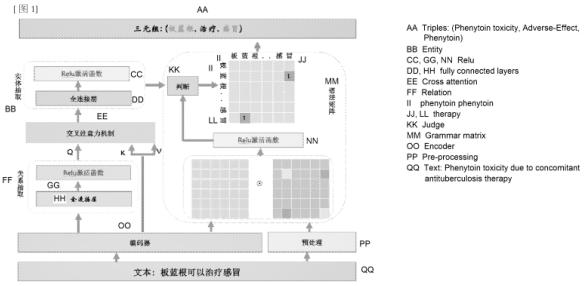
A high-power laser-submerged arc hybrid deep-penetration welding method and apparatus for thick plates are provided, which relate to the technical field of welding. The method involves preparing double-Y-shaped grooves on abut-welding surfaces of two plates to be welded, positioning a laser heat source ahead of a submerged-arc heat source along a welding direction, both aligned on a same straight line to form a common molten pool, where the laser heat source inclines forward relative to a normal direction of the plate, while the submerged-arc heat source inclines backward relative to the normal direction of the plate; and during welding, melting a submerged-arc welding wire into the molten pool under the combined action of both heat sources and welding a groove on a single side, and once the welding of the groove on the single side is completed, welding a groove on another side.



21: 2025/05328. 22: 2025/06/23. 43: 2026/02/13
51: G06F
71: SHANGHAI SUNWIN BUS CORPORATION
72: Jun ZHANG, Jia FANG, Xiaoyu MA
33: CN 31: 202311854317.7 32: 2023-12-29
54: AUTOMATIC SOFTWARE TESTING METHOD FOR INTELLIGENT CONNECTED VEHICLES
00: -
The present invention discloses an automatic software testing method for intelligent connected vehicles. The method includes: firstly, setting, through local area network communication and Internet communication, a basic communication structure based on a cloud platform of Internet of Vehicles, a test server, and test bench units; secondly, initializing, based on historical data, by the test server, task allocation according to a set static optimization algorithm; finally, running, by each test bench unit, a test work according to the initialized task allocation until all tests are completed; if there is no abnormal test run, summarizing test results to the test server; and if there is an abnormal test run, interrupting a test task of each bench unit by taking a time point of fault occurrence as an interruption point and triggering a set dynamic optimization algorithm for carrying out calculations at the time point when an abnormal test run occurred.

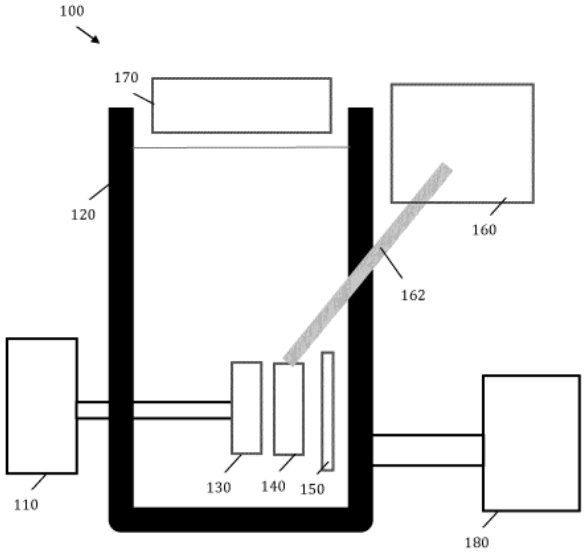


21: 2025/05332. 22: 2025/06/23. 43: 2026/02/13
51: G06N
71: HAINAN UNIVERSITY
72: CHEN, Lijun, LI, Jingcan, XIE, Xia, HUANG, Xiaoou
33: CN 31: 202310976181.0 32: 2023-08-03
54: MEDICAL TEXT ENTITY-RELATION EXTRACTION METHOD AND SYSTEM BASED ON GRAMMAR ANALYSIS
00: -
The present invention relates to the technical field of medical data processing. Disclosed are a medical text entity-relation extraction method and system based on grammar analysis. According to the present invention, considering the complexity of medical relations, in order to prevent an incorrect result of entity extraction from affecting relation extraction, the relation extraction is specifically arranged before the entity extraction. In the entity extraction process, cross attention is used to integrate relations and encoding features, so as to increase the interaction between the relations and entity information. After extracting the relations and entities, by means of grammar analysis, semantic information is introduced, and part-of-speech and grammar information are fully utilized, thereby improving the accuracy of entity-relation extraction. Using an end-to-end model and constructing a sentence-level task facilitate representation and learning of sentence semantics.



21: 2025/05343. 22: 2025/06/23. 43: 2026/02/13
51: G21G
71: PANTERA
72: DE NEUTER, Sébastien, JACQUET, Patrice, STICHELBAUT, Frédéric, MAERTENS, Dominic, LEYSEN, Willem, VAN DEN BERGHE, Sven, BERTRAND, Samy
33: EP 31: 22211687.3 32: 2022-12-06
54: PRODUCTION OF RADIO ISOTOPES
00: -
An irradiation station (100) for the photonuclear production of radioisotopes from a target is described. The irradiation station (100) comprises at least one beam line (110) for inducing an electron beam and at least one irradiation pool (120). The

irradiation station (100) furthermore comprises, submersed in the at least one irradiation pool (120), a beam converter component (130) positioned at the end of the at least one beam line (110) for converting the electron beam of the at least one beam line (110) into photons, a target irradiation component (140) for holding the target and positioned with respect to the beam converter component (130) so as to, in operation, irradiate the target with said photons. Alternatively, a proton beam or deuterium beam may be introduced in the irradiation pool and protons or deuterium may be used directly for irradiating the target. Another alternative may be that a deuterium beam may be introduced in the irradiation pool and neutrons converted therefrom can be used directly for irradiating the target.

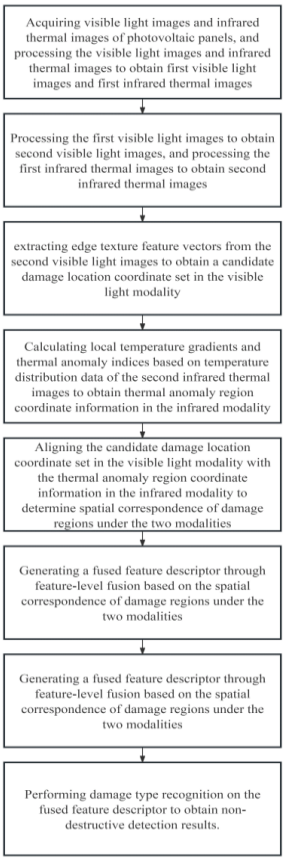


21: 2025/05358. 22: 2025/06/24. 43: 2026/02/13
51: G06T
71: Henan University of Urban Construction
72: REN Yixin

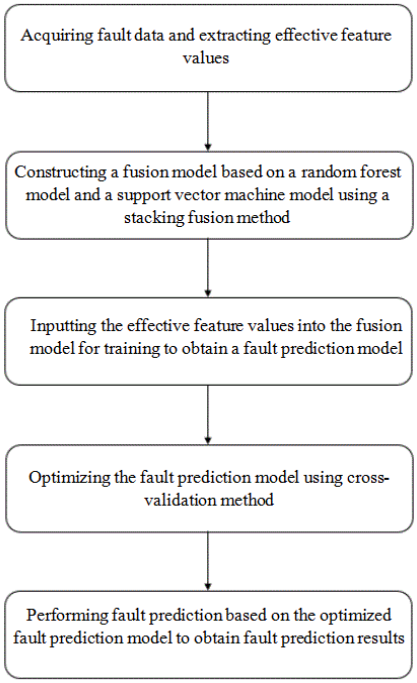
54: METHOD AND SYSTEM FOR NONDESTRUCTIVE DETECTION OF PHOTOVOLTAIC PANEL SURFACE DAMAGE BASED ON MACHINE VISION

00: -

The invention discloses a method and system for nondestructive detection of photovoltaic panel surface damage based on machine vision. The method includes: acquiring and processing visible light images and infrared thermal images of photovoltaic panels; extracting edge texture features from visible light images and thermal anomaly features from infrared images; aligning damage regions under the two modalities to determine spatial correspondence; generating a fused feature descriptor through feature-level fusion; and performing damage type recognition to obtain non-destructive detection results. The system includes an image acquisition module, an adaptive preprocessing module, a feature extraction and crack detection module, a thermal anomaly detection module, an image registration module, a feature fusion module, and a damage type recognition module. The invention solves the challenges of synchronously acquiring visual features and temperature distribution information of photovoltaic panels in complex environments and accurately identifying damages. Through multi-modal information fusion and intelligent algorithm processing, precise detection and classification of photovoltaic panel damages are achieved, effectively improving the operational efficiency and safety of photovoltaic systems.



21: 2025/05359. 22: 2025/06/24. 43: 2026/02/13
51: G05B
71: Henan University of Urban Construction
72: REN Yixin
54: METHOD AND SYSTEM FOR FAULT PREDICTION IN SPATIAL LIGHT MODULATORS BASED ON MACHINE LEARNING
00: -
The present invention discloses a method and a system for fault prediction in spatial light modulators based on machine learning, comprising: acquiring fault data and extracting effective feature values; constructing a fusion model based on a random forest model and a support vector machine model using a stacking fusion method; inputting the effective feature values into the fusion model for training to obtain a fault prediction model; optimizing the fault prediction model using cross-validation method; and performing fault prediction based on the optimized fault prediction model to obtain fault prediction results. In high-precision applications of spatial light modulators, such as optical communication systems or optical measurement instruments, timely fault warnings can prevent data transmission interruptions or inaccurate measurement results.

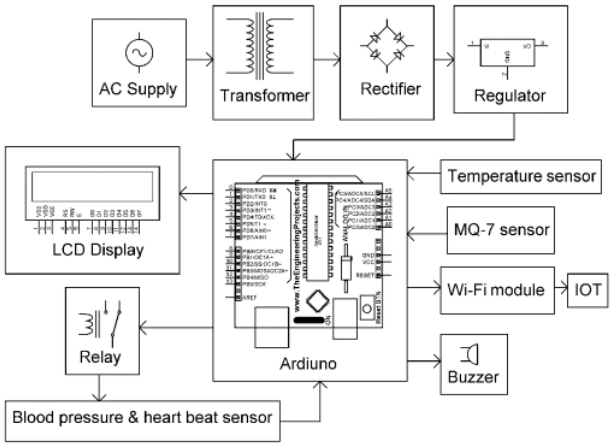


21: 2025/05360. 22: 2025/06/24. 43: 2026/02/13
51: C02F
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: DONG Wenchao, WANG Lingyun, XING Zhiyang, LI Linxu, GAO Yihui
54: COMPOSITE MATERIAL FOR TREATING MUNICIPAL SEWAGE AND PREPARATION METHOD THEREOF
00: -
The present invention discloses a composite material for treating municipal sewage and a preparation method thereof, and belonging to the technical field of wastewater treatment. The present invention realizes the triple synergistic effect of adsorption-catalysis-sterilization by compounding a porous substrate (biochar), a nano-active component (nano-TiO2/ZnO heterojunction, nano-zero-valent iron), a functional polymer (chitosan), and an antibacterial agent (silver nanoparticles). The material's degradation rate of organic pollutants under visible light is greater than or equal to 90%, and the adsorption capacity of heavy metal Pb2+ is greater than or equal to 150mg/g, and the meterial can be recycled for more than 20 times with a performance attenuation of less than 10%, which has the significant advantages of broad-spectrum high efficiency, environmental friendliness, and low cost, and is suitable for integrated deep purification of complex municipal sewage.

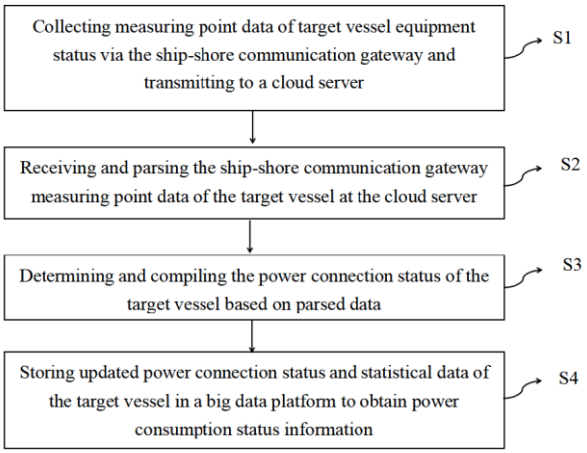
21: 2025/05367. 22: 2025/06/24. 43: 2026/02/13
51: G08G
71: Dr. Solaimuthu Chandrakasan, Dr. Sreenivasa Thappaganadoodi Nagabushnasharma, Dr. Roopashree Shailendra, Mr. Jayaramu Madegowda, Mrs. Bhavya Narayana Javagal, Dr. Raghavendra Reddy Nadiga Vijayendra, Mr. Siddesh Kumar Timmalapura Lingappa, Dr. Salangai Nayagi Dharuman
72: Dr. Solaimuthu Chandrakasan, Dr. Sreenivasa Thappaganadoodi Nagabushnasharma, Dr. Roopashree Shailendra, Mr. Siddesh Kumar Timmalapura Lingappa, Mrs. Bhavya Narayana Javagal, Dr. Raghavendra Reddy Nadiga Vijayendra, Mr. Jayaramu Madegowda, Dr. Salangai Nayagi Dharuman
54: REAL-TIME ADAPTIVE TRAFFIC CONTROL SYSTEM USING AI AND VEHICLE-TO-INFRASTRUCTURE (V2I) COMMUNICATION
00: -
The present invention relates to a Real-Time Adaptive Traffic Control System that leverages

Artificial Intelligence (AI) and Vehicle-to-Infrastructure (V2I) communication to optimize urban traffic flow. The system comprises roadside infrastructure units with sensors, smart traffic signals, and a centralized AI controller. Vehicles equipped with V2I modules transmit real-time data such as speed and direction, which, along with sensor inputs, are analyzed by the AI engine to dynamically adjust signal timings. The system prioritizes emergency and public transport vehicles, detects pedestrian presence, and predicts congestion using historical and environmental data. A cloud-based dashboard allows remote monitoring and manual control, while encrypted communication ensures system security. The invention reduces traffic congestion, enhances road safety, and supports intelligent, sustainable urban mobility.

21: 2025/05368. 22: 2025/06/24. 43: 2026/02/13
51: G06Q
71: PATEL, Saniya Raheen, AKHTER, Nazneen, SHAIKH, Shazia, NAIKNAWARE, Bharat, DESHMUKH, Prapti Devidas, NISHAT, Syeda Ruhi, SURSE, Saurabh Sitaram, KAZI, Majharoddin Mumtajmiyan, RAZVI, Arshad Moizuddin
72: PATEL, Saniya Raheen, AKHTER, Nazneen, SHAIKH, Shazia, NAIKNAWARE, Bharat, DESHMUKH, Prapti Devidas, NISHAT, Syeda Ruhi, SURSE, Saurabh Sitaram, KAZI, Majharoddin Mumtajmiyan, RAZVI, Arshad Moizuddin
54: A SYSTEM FOR HEALTH MONITORING AND DATA TRANSMISSION
00: -
The present invention is related to the field of healthcare technology, particularly focusing on IoT-based health monitoring systems. The Health Monitoring and Data Transmission System integrates several components to create a comprehensive solution for remote patient monitoring. The system uses medical-grade sensors to measure vital signs such as blood pressure, heart rate, temperature, and CO2 levels. A microprocessor processes this data and transmits it wirelessly to healthcare providers using an IoT-based platform. The system also generates real-time alerts in case of abnormal readings, ensuring immediate attention from healthcare providers. Additionally, the data is stored both locally and in the cloud for long-term analysis, helping track a patient's progress over time. The system is designed to be portable, user-friendly, and scalable, making it suitable for home use, hospitals, and other healthcare settings.



21: 2025/05394. 22: 2025/06/24. 43: 2026/02/27
51: G05B; H04L
71: COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD.
72: WU, Xiaofeng, SUN, Zhe, YE, Xiaolin, WANG, Ping, XIE, Chenggong, ZHANG, Hui, LI, Haoning, LIU, Wenwen
33: CN 31: 2025106825364 32: 2025-05-26
54: METHOD, SYSTEM AND MEDIUM FOR AUTOMATIC STATISTICS OF SHIP POWER CONSUMPTION STATUS BASED ON SHIP-SHORE COMMUNICATION GATEWAY MEASURING POINT DATA
00: -
The embodiment of the present invention disclosed a method, system and medium for automatic statistics of ship power consumption status based on ship-shore communication gateway measuring point data;the method comprises the following steps:S1. Collecting measuring point data of target vessel equipment status via the ship-shore communication gateway and transmitting to a cloud server;S2. Receiving and parsing the ship-shore communication gateway measuring point data of the target vessel at the cloud server;S3. Determining and compiling the power connection status of the target vessel based on parsed data;S4. Storing updated power connection status and statistical data of the target vessel in a big data platform to obtain power consumption status information;wherein real-time data is updated to the data warehouse via streaming data processing, while non-real-time data is periodically stored via batch data processing.

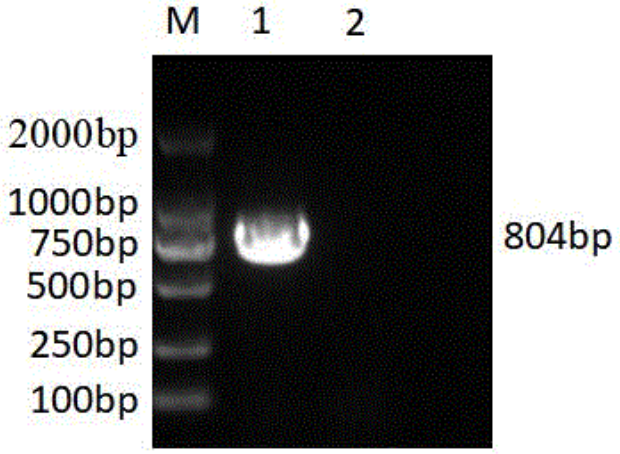


21: 2025/05395. 22: 2025/06/25. 43: 2026/02/16
51: C12Q
71: Henan University of Urban Construction
72: WANG Yanhong, FU Pengfei, LI Bing, LU Min

54: PCR DETECTION METHOD OF PORCINE BOCAVIRUS G3 SUBTYPE AND APPLICATION THEREOF

00: -

The present invention discloses a PCR detection method for porcine bocavirus (PBoV) G3 subtype and its applications, belonging to the technical field of molecular biological identification. The invention provides a specific detection method for PBoV-G3 subtype, including: designing specific primer pairs (SEQ ID NO.1 and SEQ ID NO.2) targeting the NS1 gene, establishing an optimized PCR system (55°C annealing/30 cycles/1 microliter each primer), along with supporting sample processing, nucleic acid extraction and reverse transcription procedures. This method can specifically identify PBoV-G3 with a detection limit of 76.8 copies/microliter, effectively distinguishing it from common porcine diarrhea pathogens such as PEDV and TGEV. It is suitable for rapid detection of PBoV-G3 in clinical fecal swabs, providing robust technical support for the prevention and control of PBoV.

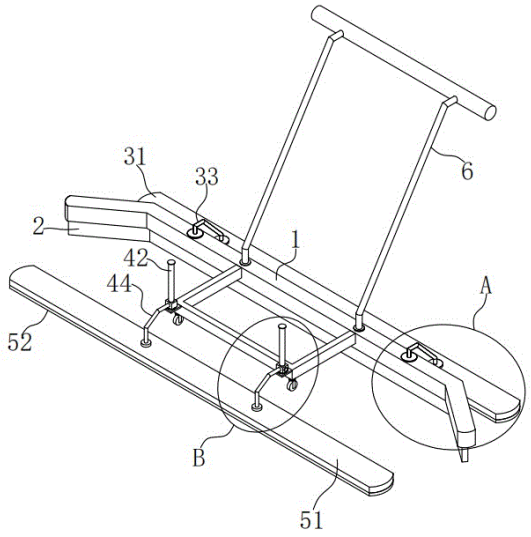


21: 2025/05396. 22: 2025/06/25. 43: 2026/02/16
51: A63B
71: Shandong University of Finance and Economics
72: Xiaoping YUAN

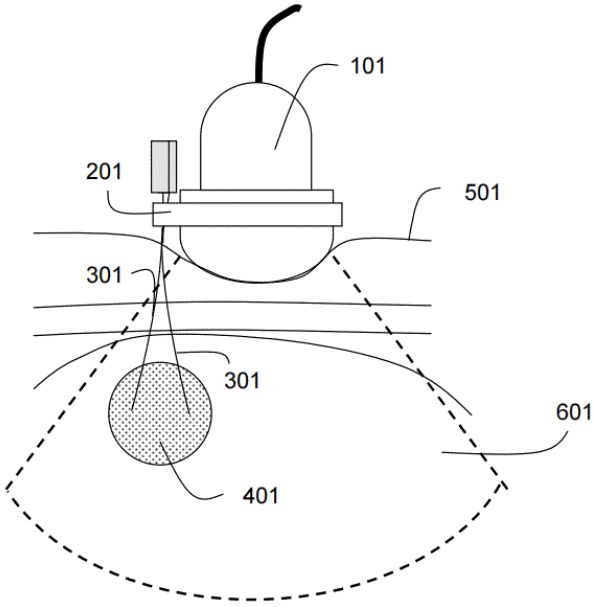
54: FLOOR WIPING APPARATUS FOR SPORTS BASKETBALL TRAINING COURT

00: -

Provided in the present disclosure is a floor wiping apparatus for a sports basketball training court, including: a connecting frame, a scraping plate, a first wiping assembly, two adjusting assemblies, and a second wiping assembly, where the scraping plate is connected to the bottom of the connecting frame; the first wiping assembly is arranged on one side of the connecting frame and includes a first fixing plate, a first wiping cloth, and two brackets, the first wiping cloth is bonded to the bottom of the first fixing plate, and the two brackets are symmetrically connected to two sides of the surface of the first fixing plate and are connected to the connecting frame; and the two adjusting assemblies are symmetrically arranged on two sides of the surface of the connecting frame. According to the floor wiping apparatus for a sports basketball training court provided in the present disclosure, the first wiping assembly and the second wiping assembly provided with the two adjusting assemblies are respectively arranged on two sides of the connecting frame provided with the scraping plate for cooperative use, which facilitates simultaneous water scraping, water absorption and wiping operations on residual water stains and sweat stains on the training court in use.

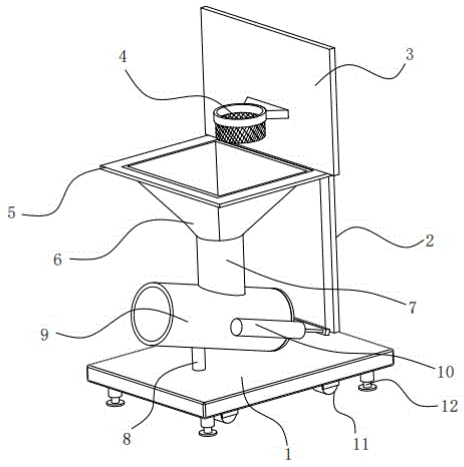


21: 2025/05397. 22: 2025/06/25. 43: 2026/02/16
51: A61B
71: HENAN PROVINCE HOSPITAL OF TCM
72: Wang Zheng, Hu Hai, Liu Xiaodong, Jiang Huixia, Li Tiantian, Yang Xi
54: GUIDE DEVICE IN PARTICULAR FOR AUG ULTRASONIC PROBES AND COMBINATION OF ULTRASONIC PROBE AND SAID DRIVING DEVICE AUG
00: -
The invention is a guide device for ultrasonic probes and combined with driving devices, featuring multiple elongated guide holes for diagnostic or interventional tools like needles. It comprises at least two removable parts that form complementary walls of the guide holes. When separated, the holes open longitudinally to release inserted needles. The device simplifies needle positioning under ultrasonic imaging, enabling parallel needle insertion and precise, repeatable procedures. It fits various probes, supports treating larger or multiple lesions, and can be adapted for different applications.

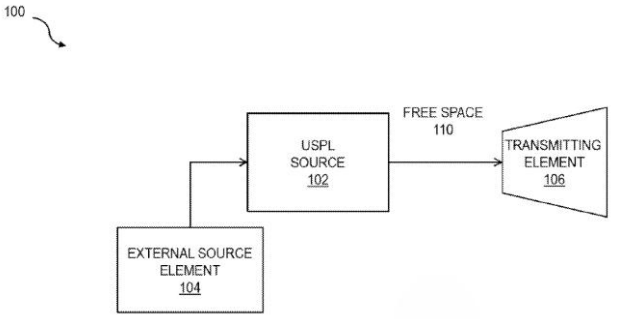


21: 2025/05398. 22: 2025/06/25. 43: 2026/02/16
51: A63B
71: Shandong University of Finance and Economics
72: Xiaoping YUAN
54: SET SHOT TRAINING APPARATUS FOR BASKETBALL SPORTS TRAINING
00: -
Provided in the present disclosure is a set shot training apparatus for basketball sports training, including: a base; and a support frame fixedly mounted on one side of the top of the base, where a backboard is fixedly mounted at the top of the support frame, a connecting frame is fixedly mounted at the bottom of the backboard by fasteners, a storage net is arranged in the middle of the bottom of the connecting frame, and a collection net is arranged in the middle of the bottom of the storage net. According to the set shot training apparatus for basketball sports training provided in the present disclosure, the large storage net is mounted at the bottom of a hoop to collect a shot basketball. The basketball rolls into a launch tube from the collection net along the storage net and is ejected by a push-out device, thereby providing convenience for an athlete to take the launched basketball while standing in place and then continue with set shots. This apparatus has a simple structure and strong practicality, and reduces the number of times the athlete picks up the basketball. The training apparatus can retrieve and eject the

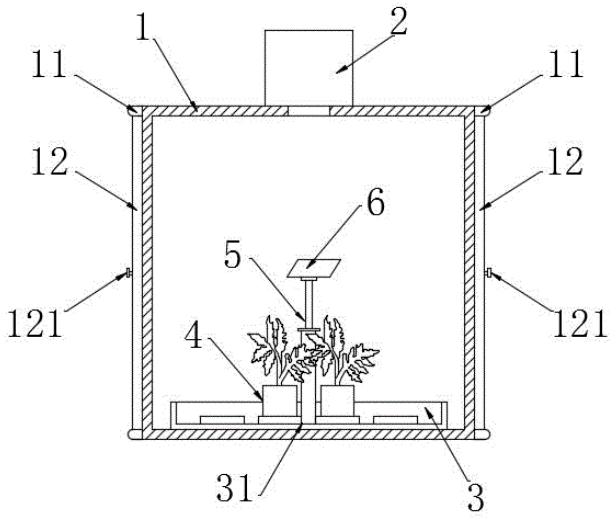
basketball thrown into the hoop, thereby shortening the training time of the athlete.



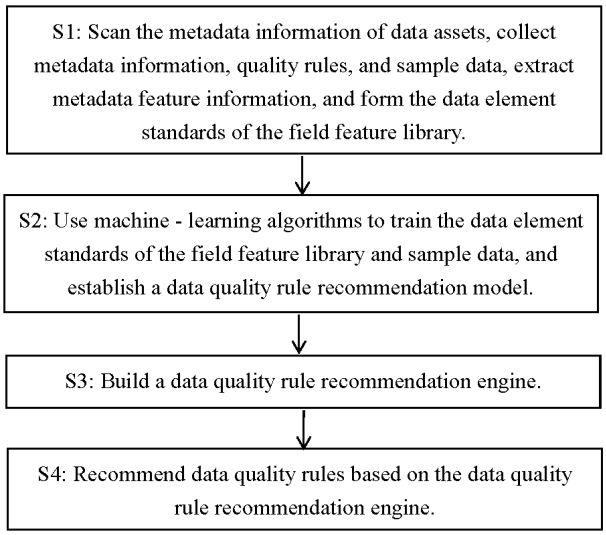
21: 2025/05400. 22: 2025/06/25. 43: 2026/02/10
51: H04B
71: ATTOCHRON, LLC
72: CHAFFEE, Thomas M., KNOX, Wayne H., LEBON, Alexander B., GREGORY, Brian M., COLANGELO, Taz M.
33: US 31: 17/932,364 32: 2022-09-15
54: REDUCING SCINTILLATION NOISE IN FREE SPACE OPTICAL COMMUNICATIONS
00: -
In some embodiments, an optical communication system may include an optical source, a modulator, and a photoreceiver. The optical source may be configured to generate a beam comprising a series of light pulses. The photoreceiver may have a detection window duration of 1 nanosecond or less. When a first pulse travels through a variably refractive medium, photons in the first pulse may be refracted to travel along different ray paths to arrive at the photoreceiver according to a temporal distribution curve. A full width at half maximum (FWHM) value of the temporal distribution curve may be greater than a coherence time value of the first pulse, and the detection window of the photoreceiver may be greater than the FWHM value of the temporal distribution curve.



21: 2025/05405. 22: 2025/06/25. 43: 2026/02/16
51: A01K
71: Institute of Nanfan & Seed Industry, Guangdong Academy of Sciences
72: CHENG Yinjie, MAO Yongkai, CHANG Hailong, LI Jihu, WANG Qinnan, WU Jiantao
54: MODULAR REARING DEVICE FOR A SPIDER ECOLOGICAL UNIT
00: -
The present disclosure relates to the technical field of spider rearing devices, in particular to a modular rearing device for a spider ecological unit. The device includes a rearing box, an insect attraction module I disposed inside the rearing box, and/or an insect attraction module II disposed outside the rearing box and internally in communication with the rearing box. The outer wall of the rearing box is provided with at least one hinged door, which is provided with a ventilation mesh I. Compared to indoor rearing, the present disclosure sufficiently simulates the natural outdoor environment to protect spiders while gradually training their adaptation capability for outdoor survival, thereby improving the survival rate of spiders released into natural ecosystems and enhancing spider rearing efficiency. The outdoor experimental spider rearing method of the present disclosure is simple, reducing feeding frequency, significantly saving labor, material and financial costs, and effectively trapping and killing field pests while rearing spiders.



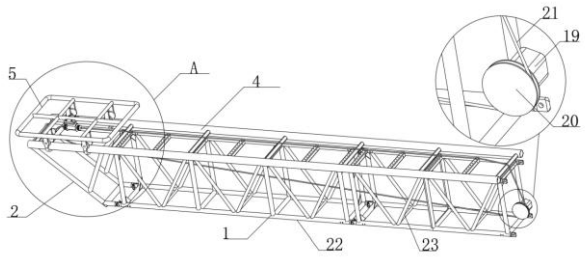
21: 2025/05406. 22: 2025/06/25. 43: 2026/02/27
51: G06F; G06Q
71: COSCO SHIPPING TECHNOLOGY(BEIJING) CO., LTD.
72: WU, Xiaofeng, SUN, Zhe, WEI, Mingming, YE, Xiaolin, ZHANG, Hui, LI, Haoning, LIU, Wenwen
33: CN 31: 2025106272421 32: 2025-05-15
54: DATA QUALITY RULE RECOMMENDATION METHOD, SYSTEM, ELECTRONIC DEVICE, AND MEDIUM BASED ON INTELLIGENT ALGORITHMS
00: -
The embodiment of the present invention disclosean intelligent algorithm-based data quality rule recommendation method, system, electronic device, and medium. The method comprises the following steps:S1. Scanning metadata information of data assets, collecting metadata information, quality rules, and sample data, extracting metadata feature information, and forming data element standards for a field feature library. Extracting metadata feature information includes:Extracting basic attribute features of fields from table models;Extracting data format features from instance data;Extracting configured quality rules from existing data quality rules.Rules for extracting metadata feature information include a similarity rule, a field duplication rule, and a field exclusion rule.S2. Training the data element standards of the field feature library and the sample data using machine learning algorithms to establish a data quality rule recommendation model.S3. Building a data quality rule recommendation engine.S4. Recommending data quality rules based on the data quality rule recommendation engine.



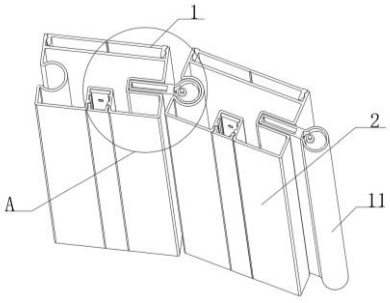
21: 2025/05407. 22: 2025/06/25. 43: 2026/02/16
51: C12Q
71: SHANDONG ACADEMY OF AGRICULTURAL SCIENCE
72: WANG, Weiting, DU, Pengfei, HU, Peng, MA, Yanli, CAO, Jianfang
54: A METHOD FOR IDENTIFYING DUCK MEAT ADULTERATION IN MUTTON
00: -
The invention provides a method for identifying duck meat adulterated in mutton: (1) Extract genomic DNA from the sample to be tested; (2) Use the upstream primer and the downstream primer to perform PCR amplification on the DNA in step (1), with an annealing temperature of 58℃ to obtain amplification products of different samples; (3) Perform agarose gel electrophoresis on the amplification products of different samples; (4) Result determination: Samples with only one band in the amplification are duck meat; samples of other animal meat show multiple bands or no bands. The primer pair used in this invention takes the mitochondrial COI gene of mallard duck as a template, which has good specificity and high selectivity. It allows differentiation through gel electrophoresis results without sequencing, unaffected by other ingredients, with low testing cost, simple steps, short time, and suitable for large-scale sample testing.

21: 2025/05408. 22: 2025/06/25. 43: 2026/02/16

51: E04G
71: CHINA CONSTRUCTION EIGHTH BUREAU SECOND CONSTRUCTION CO., LTD.
72: TANG, Weitong, HE, Dengchao, DING, Yi, LEI, Ming, WU, Pengyuan
54: A TURNOVER FACILITY STRUCTURE AND CONSTRUCTION METHOD AFTER FORMWORK SUPPORT DISMANTLING WITHIN A FLOOR
00: -
The present invention relates to the field of building construction technology, and more specifically relates to a turnover facility structure and construction method for a floor after the formwork support is dismantled, comprising: a support beam frame, a track assembly, a supporting and moving assembly, and a drive control assembly, wherein, the support beam frame has a cantilevered bracket horizontally assembled on one side and the cantilevered bracket is cantilevered into a material unloading platform; the track is horizontally mounted above the support beam frame and the cantilevered bracket, and the track component includes a movable track frame; after the floor structure strength meets the formwork removal requirements, the formwork support undergo stacked placement; subsequently, the support beam frame, cantilevered bracket, movable track frame, and moving placement vehicle are assembled on-site to form a horizontal transport structure for the stacked formwork supports within the floor. this system, coordinated with the drive control assembly, reduces labor costs and enhances construction efficiency. Under the combined action of stabilizing enclosure rods and restraint blocks, the moving placement cart is positioned and stabilized during transport, improving construction safety while facilitating convenient reuse.



21: 2025/05409. 22: 2025/06/25. 43: 2026/02/16
51: G09F
71: CHINA CONSTRUCTION EIGHTH BUREAU SECOND CONSTRUCTION CO., LTD.
72: JING, Wei, WANG, Huacheng, KONG, Chenguang, JIANG, Lianxin, QIAO, Chunlei
54: A ROTATABLE ADAPTIVE-CURVATURE LUMINOUS METAL PANEL SYSTEM
00: -
The present invention relates to the technical field of metal wall panel construction, specifically, a rotatable adaptive-curvature luminous metal panel system, comprising: a plurality of base installation keels, a plurality of metal decorative panels, a splicing assembly, and a fixing assembly, wherein: the plurality of base installation keels and a plurality of metal decorative panels are correspondingly arranged; by providing circular engagement grooves and a splicing assembly on both sides of each metal decorative panel, when installing multiple panels on curved or irregular spatial walls such as circular, arc-shaped, or curved surfaces, adaptive angular variation is achieved through movable insertion of engagement cylinders into the circular engagement grooves, to accommodate the installation requirements of metal decorative panels on such surfaces; and under the coordinated action of a guiding assembly and the fixing assembly, the position of each engagement cylinder can be adaptively adjusted, to accommodate installation deviations between adjacent base installation keels fixed to metal decorative panels, which enables standardized module processing, prefabricated installation, and time and labor saving on-site construction.

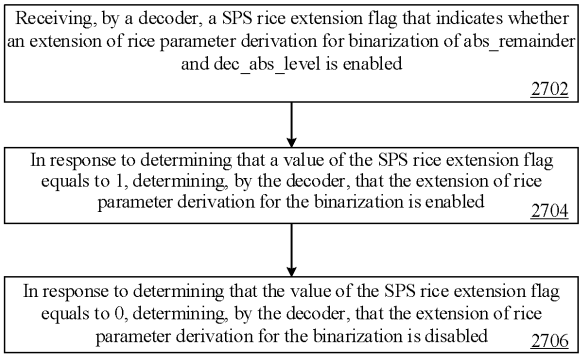


21: 2025/05410. 22: 2025/06/23. 43: 2026/02/16
51: H04N
71: BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD.
72: WANG, Xianglin, JHU, Hong-Jheng, XIU, Xiaoyu, CHEN, Yi-Wen, CHEN, Wei, KUO, Che-Wei, YU, Bing, YAN, Ning
33: US 31: 63/193,593 32: 2021-05-26

54: RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING

00: -

Methods, apparatuses, and non-transitory computer-readable storage mediums are provided for video decoding. In one method, a decoder receives a Sequence Parameter Set (SPS) rice extension flag that indicates whether an extension of rice parameter derivation for binarization of abs_remainder and dec_abs_level is enabled. In a second method, the decoder may receive a Sequence Parameter Set (SPS) rice adaption enabled flag that indicates whether rice parameter derivation for binarization of abs_remainder and dec_abs_level is initialized at start of each transform unit (TU) with statistics accumulated from previous TUs.



21: 2025/05438. 22: 2025/06/25. 43: 2026/02/10
51: A61K; C07D; A61P
71: BEYANG THERAPEUTICS CO., LTD.
72: HU, Qiyue, HU, Weimin, LIU, Suxing
33: CN 31: 202211695647.1 32: 2022-12-28

54: PROTEIN TYROSINE KINASE INHIBITOR AND MEDICAL USE THEREOF

00: -

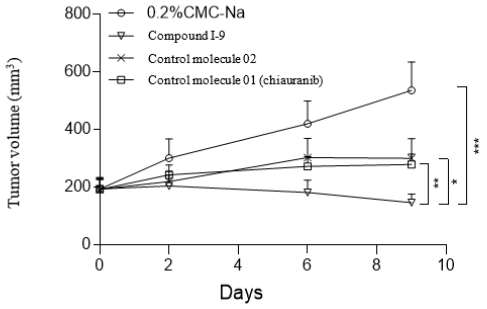
The present invention relates to a protein tyrosine kinase inhibitor and a use thereof in prevention and/or treatment of protein tyrosine kinase-mediated hyperproliferative diseases, such as ocular diseases and malignant tumors accompanied by pathological neovascularization. The protein tyrosine kinase inhibitor can effectively antagonize the activity of VEGFR tyrosine kinase, improves the pharmacokinetic properties thereof, and also has high selectivity on inhibition of the activity of "off-target" EGFR tyrosine kinase, so as to reduce or avoid adverse effects, especially side effects on eyes.

21: 2025/05440. 22: 2025/06/25. 43: 2026/02/10
51: A61K; C07D; A61P
71: SHENZHEN CHIPSCREEN BIOSCIENCES CO., LTD.
72: YANG, Qianjiao, SHAN, Song, ZHOU, You, DENG, Zhiting, ZHANG, Yu, WANG, Xiaoliang, SONG, Yonglian, PAN, Desi
33: CN 31: 202211694771.6 32: 2022-12-28

54: NAPHTHYLAMIDE COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF

00: -

A naphthylamide compound as represented by formula (I), a preparation method therefor, and the use thereof in the treatment and/or prevention of diseases related to the biological activity of the protein kinase.



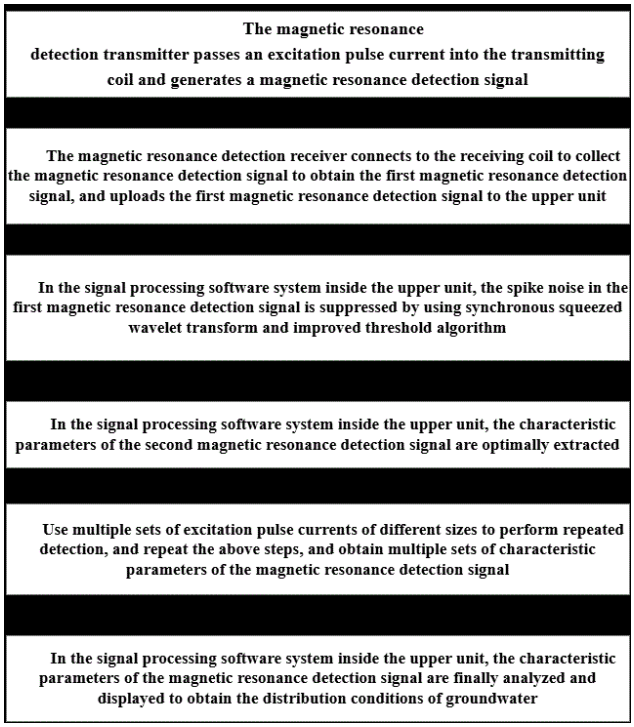
21: 2025/05453. 22: 2025/06/26. 43: 2026/02/16
51: G01V
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: LI Songfeng, WANG Qianyou, LIANG Feng, ZHAO Yujing, GAO Yihui

54: METHOD AND DEVICE FOR GROUNDWATER EXPLORATION

00: -

The present invention discloses a method and device for groundwater exploration , and belongs to the field of groundwater exploration, including : firstly, a magnetic resonance detection transmitter passes an excitation pulse current into a transmitting coil, a receiving coil collects a magnetic resonance detection signal to obtain a first magnetic resonance detection signal, and uploads the signal to an upper unit, and then suppresses the spike noise in the first magnetic resonance detection signal by using synchronous squeezed wavelet transform and improved threshold algorithm;, and then performs optimal extraction of characteristic parameters;

repeat the detection using multiple sets of excitation pulse current and repeat the above steps; finally, carry out data analysis and display of the characteristic parameters of the magnetic resonance detection signal to obtain the distribution of groundwater. The present invention relates to a device and an exploration method for groundwater exploration, and the measurement result thereof is more accurate.

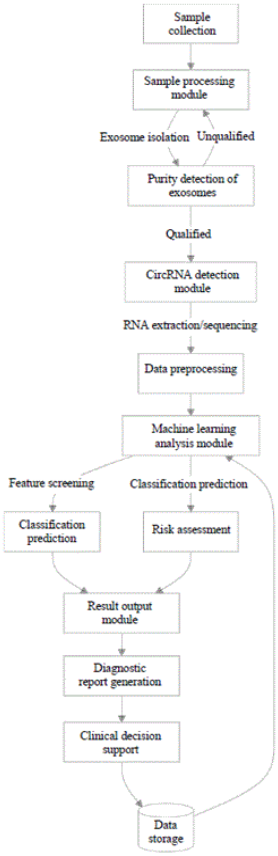


21: 2025/05455. 22: 2025/06/26. 43: 2026/02/16
51: C12Q
71: The First People's Hospital of Zhenjiang City
72: Lin Chen, Yu Fan, Chunhe Shi, Yajie Shen, Yongjing Zhou, Songlan Zhao, Zhiyuan Qiu, Changfeng Man, Dandan Gong

54: SYSTEM FOR EARLY DIAGNOSIS AND PROGNOSIS ASSESSMENT OF OVARIAN CANCER BASED ON CIRCULAR RIBONUCLEIC ACIDS IN PLASMA EXOSOMES

00: -

Disclosed is a system for early diagnosis and prognosis assessment of ovarian cancer based on circular ribonucleic acids (circRNAs) in plasma exosomes, including a sample processing module, a circRNA detection module, a machine learning analysis module, and a result output module. The sample processing module includes a microfluidic immunomagnetic bead separation chip, and a surface of the chip is coupled with a double antibody complex targeting exosome markers CD63 and CD81. In the present invention, efficient enrichment and detection of circRNAs are realized through rapid isolation of exosomes from the microfluidic chip. The machine learning module adopts a least absolute shrinkage and selection operator (LASSO)-random forest algorithm to screen 10 ovarian cancer-specific markers, and the diagnosis accuracy is high. The system has the entire process with short time and low cost, and provides an accurate tool for early screening and individualized treatment of ovarian cancer.



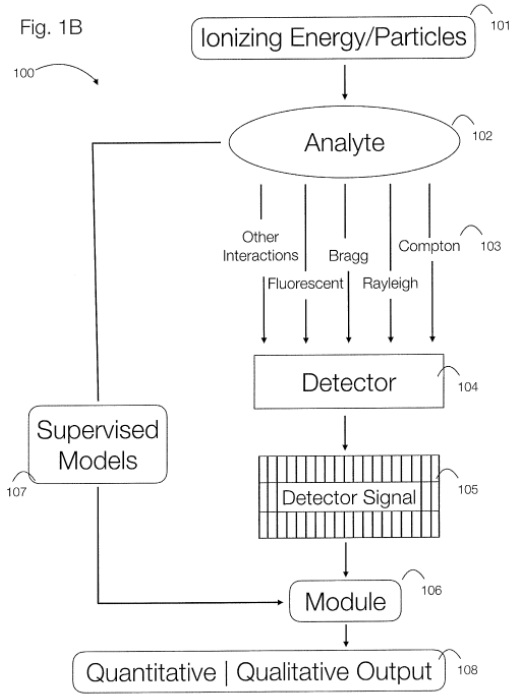
21: 2025/05456. 22: 2025/06/26. 43: 2026/02/10
51: G01N; G01T; G06F
71: DECISION TREE, LLC
72: DRAKE, Brandon Lee Goodchild
33: US 31: 62/741,231 32: 2018-10-04

54: SYSTEMS AND METHODS FOR INTERPRETING HIGH ENERGY INTERACTIONS

00: -

Systems and methods for interpreting high-energy interactions on a sample are described in this

application. In particular, this application describes an analysis method that comprises impinging radiation from a source on an analyte, detecting the energy interactions resulting from the impinging radiation using a radiation detector, adjusting the signal from the radiation detector using a machine learning module to emphasize specific parts of the detector signal, training the machine learning module in a supervised or unsupervised manner, producing quantitative and qualitative models using the machine leaning module, and then applying the machine learning module to additional energy interactions. The signal received by the detector can be preprocessed to emphasize specific parts of the detector signal, which is then mapped to a machine learning module for training in a supervised or unsupervised manner. The quantitative and qualitative models derived from this training can be applied to new detector inputs from the same or similar instruments. Other embodiments are described.

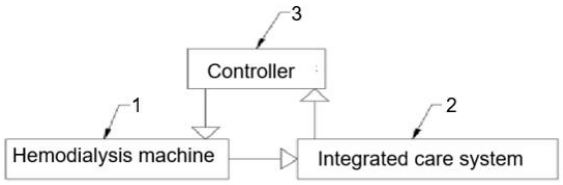


21: 2025/05457. 22: 2025/06/26. 43: 2026/02/16
51: A61M
71: The First Affiliated Hospital of Army Medical University, PLA
72: Zhao Hongwen, Zhang Huhai, Xie Pan, Peng Kanfu, Wu Yi, Xia Jing

54: A HEMODIALYSIS OPTIMIZATION SYSTEM FOR CHRONIC KIDNEY DISEASE PATIENTS

00: -

The invention relates to the technical field of medical equipment, and discloses a hemodialysis optimization system for patients with chronic kidney disease. The comprehensive nursing system is connected with the hemodialysis machine and is used for sending and receiving dialysis information, wherein the dialysis information comprises a dialysis treatment prescription of a patient, parameters in the treatment process and treatment results; The controller is electrically connected with the hemodialysis machine and the comprehensive nursing system, and automatically controls the treatment work of the hemodialysis machine based on the information received from the comprehensive nursing system. The invention realizes the control and optimization of dialysis treatment for patients by integrating the hemodialysis treatment machine, the comprehensive nursing system and the controller. The system can automatically generate and adjust the dialysis treatment prescription based on the real-time data and historical data of patients, thus improving the treatment effect.



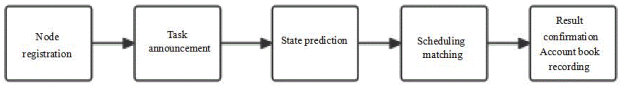
21: 2025/05458. 22: 2025/06/26. 43: 2026/02/16
51: H04B
71: Jiaxing Vocational & Technical College
72: Yanjun Ji, Bilu Luo, Yuyang Ji, Chunfang Gao, Qinwei Yao, Xiaoji Wei, Junwei Zhang, Yongqi Wang, Xu Chen

54: REAL-TIME TASK ALLOCATION METHOD FOR UAV CLUSTER BASED ON EDGE COMPUTING

00: -

The invention provides a real-time task allocation method for UAV cluster based on edge computing, which relates to the technical field of unmanned aerial vehicles. The method works cooperatively among a micro-edge layer, a near-field edge server

layer and a cloud layer, introduces an LEDGA algorithm to schedule tasks in real time, and performs bidding matching at the cost of delayed budget and energy. Using the State-Oriented Digital Twin (SODT) module, the power, load and link quality of UAV are predicted in real time through federated learning. IOTATangle-based micro-account book is used to record the task assignment and execution process, so as to ensure the traceability of the whole process. Task hot migration of lightweight containers is supported such as WebAssembly. The process covers node registration, task announcement, state prediction, dispatching and allocation, result confirmation and account book recording, and is suitable for high-density application scenarios of multi-UAVs such as disaster emergency, mapping and search and rescue. The invention realizes low delay, high efficiency and credibility of UAV cluster task scheduling, and has good practicability and innovation.

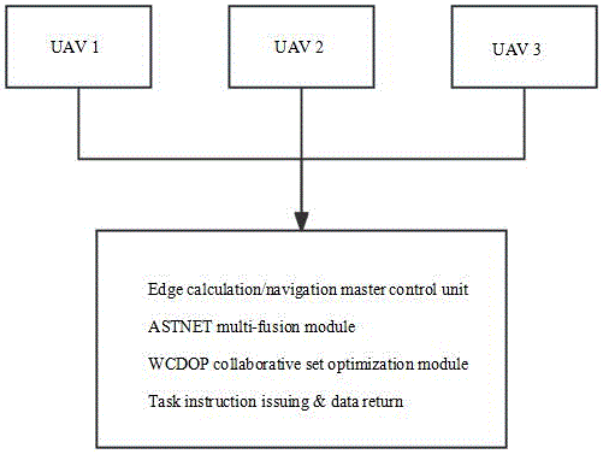


21: 2025/05462. 22: 2025/06/26. 43: 2026/02/16
51: G01C
71: Jiaxing Vocational & Technical College
72: Yanjun Ji, Bilu Luo, Yuyang Ji, Chunfang Gao, Qinwei Yao, Xiaoji Wei, Junwei Zhang, Yongqi Wang, Xu Chen

54: METHOD AND SYSTEM FOR ACCURATELY POSITIONING UAV CLUSTER BASED ON TIME-SPACE SYNCHRONOUS RANGING

00: -

The invention provides a method and a system for accurately positioning UAV cluster based on time-space synchronous ranging, and relates to the technical field of UAVs. In the method, time synchronization and distance measurement of UAVs in the cluster are realized by using a Bidirectional Time of Flight (BToF) protocol, and time-space fusion processing is carried out by combining multi-source sensing information such as inertia, vision and UWB, so as to realize high-precision cooperative positioning of the clustered UAVs. The invention designs a space-time fusion network (ASTNet) based on attention, which is used for adaptively fusing the spatial characteristics and information of each UAV, and proposes a weighted collaborative dilution of precision (WCDOP) to optimize the positioning geometric layout of the UAV cluster, thereby further improving the positioning accuracy and robustness. Experimental results show that the invention can significantly reduce the positioning error and meet the real-time positioning requirements.



21: 2025/05464. 22: 2025/06/26. 43: 2026/02/16
51: B32B
71: Saurabh Bhatia, Ahmed Al-Harrasi, Mohammed Sohail Akhtar, Yasir Abbas Shah, Najeeb Ur Rehman, Salam Kadhim Al Dawery, Hamed Nasser Harharah, Ramzi Hamed Harharah, Ajay Sharma, University of Nizwa
72: Saurabh Bhatia, Ahmed Al-Harrasi, Mohammed Sohail Akhtar, Yasir Abbas Shah, Najeeb Ur Rehman, Salam Kadhim Al Dawery, Hamed Nasser Harharah, Ramzi Hamed Harharah, Ajay Sharma

54: GELATIN BASED TRANSPARENT AND FLEXIBLE FILM FUNCTIONALIZED WITH DESMIDORCHIS FLAVA EXTRACT

00: -

The present invention relates to a biodegradable, transparent, and flexible film formulated using bovine-derived gelatin functionalized with a methanolic extract of Desmidorchis flava. The film is prepared via a simple solution casting method, with glycerol added as a plasticizer to enhance flexibility. The incorporation of D. flava extract imparts antioxidant functionality to the film, offering potential benefits for active and sustainable packaging applications. Characterization revealed desirable physicochemical properties, including high transparency (91.42 %), low haze (1.33), moderate

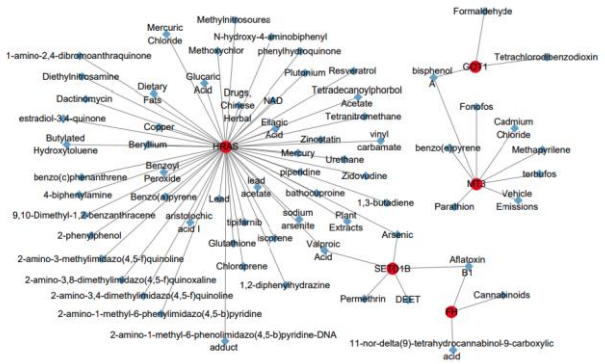
tensile strength (0.3067 MPa), and significant elongation at break (90.34 %). Antioxidant activity, evaluated via DPPH assay, confirmed a radical scavenging efficiency of 47.03 %, indicating the successful integration of bioactive compounds. The invention offers an eco-friendly alternative to conventional plastic packaging, with potential applications in food preservation and pharmaceuticals.

21: 2025/05465. 22: 2025/06/26. 43: 2026/02/16
51: B65D
71: Yasir Abbas Shah, Saurabh Bhatia, Talha Shireen Khan, Ahmed Al-Harrasi, Najeeb Ur Rehman, Salam Kadhim Al Dawery, Sharma Pritam Babu, Hamed Nasser Harharah, Ramzi Hamed Harharah, Shyam Sundar Arputhanantham, University of Nizwa
72: Saurabh Bhatia, Yasir Abbas Shah, Talha Shireen Khan, Ahmed Al-Harrasi, Najeeb Ur Rehman, Salam Kadhim Al Dawery, Sharma Pritam Babu, Hamed Nasser Harharah, Ramzi Hamed Harharah, Shyam Sundar Arputhanantham
54: CARBOXYMETHYL CELLULOSE-BASED BIOFILM LOADED WITH ZYGOPHYLLUM QATARENSE EXTRACT FOR SUSTAINABLE AND FUNCTIONAL FOOD PACKAGING
00: -
The present invention relates to producing a biodegradable and bioactive food packaging film using carboxymethyl cellulose (CMC) integrated with a methanolic extract of Zygophyllum qatarense. The process involves dissolving CMC in water, adding glycerol as a plasticizer, incorporating the plant extract, followed by sonication and solution casting. The films are dried under ambient conditions without the use of forced air or heat. This eco-friendly packaging material is designed to offer enhanced functional properties such as flexibility, transparency, and natural antioxidant capacity. The incorporation of Z. qatarense extract provides a plant-based alternative to synthetic additives, making the films suitable for applications in the sustainable packaging of oxidation-sensitive food products. The invention addresses the growing demand for environmentally responsible packaging solutions with active preservation capabilities.

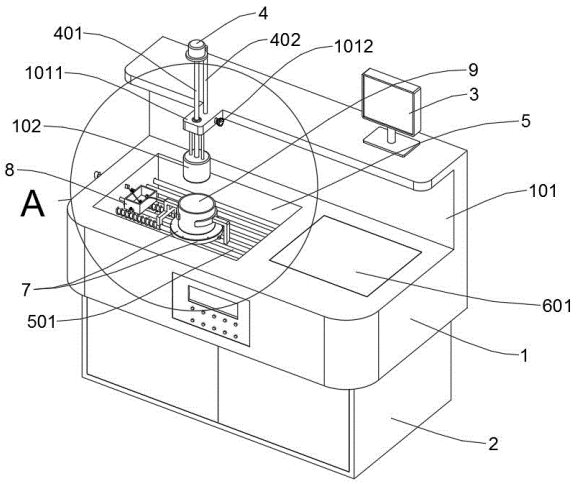
21: 2025/05467. 22: 2025/06/26. 43: 2026/02/27
51: C07K
71: HANGZHOU ZHEDA DIXUN BIOLOGICAL GENE EGINEERING CO., LTD.
72: LIU, Yi, ZHANG, Peng, HAN, Bingnan, WU, Zhoujie, WU, Shandong, JIANG, Xuehan, TAN, Shuijie, LI, Shidan, CAI, Weiyue, WANG, Jiping, LING, Yun, LI, Yan
33: CN 31: 2024117950433 32: 2024-12-06
54: UNIVERSAL PROTEIN RENATURATION METHOD AND APPLICATION THEREOF
00: -
The present invention provides a universal protein renaturation method and an application thereof, and relates to the technical field of protein renaturation. The method includes the following steps: (1) add 2-mercaptoethanol to urea solution to obtain denaturing solution; (2) dissolve a sample including to-be-renatured protein by using the denaturing solution and then freeze the sample, to obtain a frozen body; (3) thaw the frozen body at room temperature, and extract the thawed liquid as soon as the liquid is thawed; (4) dilute the extracted liquid with water, to terminate renaturation and obtain supernatant and precipitate through centrifugation, where the supernatant includes the protein that has been successfully renatured. According to the present invention, protein renaturation recovery efficiency can be improved, and a production batch is stable and reproducible. Operations in the present invention are simple, almost no waste liquid is produced, and no protein is lost. According to the present invention, nine allergen proteins are renatured, to significantly improve the protein renaturation yield. In addition, compared with that in the conventional technology, the protein activity according to the present invention is increased by about 3 times or more.

21: 2025/05468. 22: 2025/06/26. 43: 2026/02/27
51: C12N; A61P
71: QIQIHAR MEDICAL UNIVERSITY
72: WANG, Yang, SUN, Jiachen
33: CN 31: 2024119122108 32: 2024-12-24
54: USE OF GOT1, MT3, SETD1B, FH AND HRAS GENES AND METHOD FOR SCREENING GENES RELATED TO ALZHEIMER'S DISEASE
00: -
The present invention relates to the field of gene screening technology, and in particular to use of GOT1, MT3, SETD1B, FH and HRAS genes and a method for screening genes related to Alzheimer's

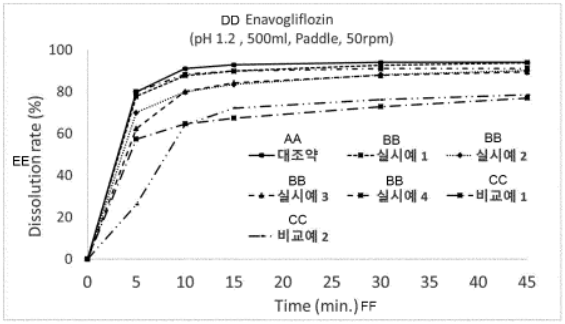
disease. The present invention screens and obtains five genes related to Alzheimer's disease, namely GOT1, MT3, SETD1B, FH and HRAS genes. The five genes screened by the present invention may be used to construct a model for predicting the probability of developing Alzheimer's disease, and may construct a drug model for predicting the treatment of Alzheimer's disease, which provides an important reference for the diagnosis, mechanism research and treatment of Alzheimer's disease in the later stage.



21: 2025/05469. 22: 2025/06/26. 43: 2026/02/16
51: G01N
71: THE FIRST AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU RESPIRATORY CENTER)
72: LIU, Dan, LIU, Longlong, WANG, Yaya, HUANG, Zhenqian
54: BLOOD TUMOR MARKER ANALYSIS DEVICE
00: -
The present invention provides a blood tumor marker analysis device, which relates to the technical field of medical testing instruments, comprising an workstation, an L-shaped mounting rod welded at the middle position of the top of the U-shaped slide frame, a clamping plate welded at the head end of the L-shaped mounting rod, a drive rod installed through sliding on a short side wall of a drip tray, and a steel wire cable connected between the drive rod and the L-shaped support rod;A cooling trough is welded at intervals on the inner side of a short side wall of the drip tray. Guiding wheels are installed at the middle position of the top of the two long side walls and the center position of the bottom wall of the cooling trough, and steel wire cables are sequentially threaded through three guiding wheels;The inclined part of the steel wire cable located between the two side guide wheels and the middle guide wheel is immersed in the cold water inside the cooling trough.The present invention utilizes two insulation structures, a cooling trough and a steel wire cable, to provide composite double insulation for the drive rod, which can significantly improve the insulation effect on the drive rod and effectively reduce the safety hazard of burns on the hands when operating the drive rod to loosen or tighten the transparent reaction vessel.



21: 2025/05472. 22: 2025/06/26. 43: 2026/02/10
51: A61K
71: DAEWOONG PHARMACEUTICAL CO., LTD.
72: PARK, Minhyung, HWANG, On, HA, Songyi, KIM, Gyoungwon, KIM, Hoe Sung, CHO, Sangeun, KIM, Gwan Young
33: KR 31: 10-2022-0190502 32: 2022-12-30
54: PHARMACEUTICAL COMPOSITION COMPRISING ENAVOGLIFLOZIN AND METFORMIN
00: -
The present invention relates to a pharmaceutical composition comprising enavogliflozin and metformin. The pharmaceutical composition, according to the present invention, makes it possible to implement an excellent preparation that provides the same level of medicinal efficacy as the combination therapy of a single tablet of metformin and a single tablet of enavogliflozin, despite a large content difference between metformin and enavogliflozin.



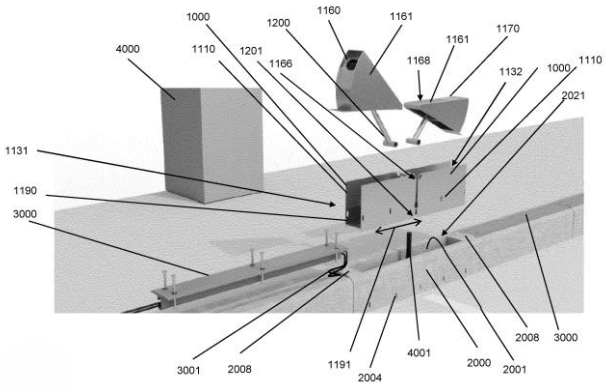
AA ... Control drug
BB ... Example
CC ... Comparative example
DD ... Enavogliflozin (pH 1.2, 500ml, Paddle, 50rpm)
EE ... Dissolution rate (%)
FF ... Time (min.)

21: 2025/05473. 22: 2025/06/26. 43: 2026/02/16
51: E01C; H02G
71: TABET BENSLIMANE, Hassan
72: TABET BENSLIMANE, Hassan
33: EP 31: 23153954.5 32: 2023-01-30
33: EP 31: 23177044.7 32: 2023-06-02

54: A CURB STONE

00: -

A curb stone is provided, which curb stone has a volume, said volume having at least one recess accessible from the upper side of the curb stone. The curb stone comprises at least one power point retaining means for holding at least one, optionally only one power point, said power point retaining means being at least partially sunken in said at least one recess. Between the lower side of said at least one power point retaining means and the bottom of said recess, at least one void volume is provided. The curb stone comprises at least one drain hole adapted to conduct fluids, like rainwater, from the void volume at the bottom of the recess through the outer wall of the curb stone towards ambient.

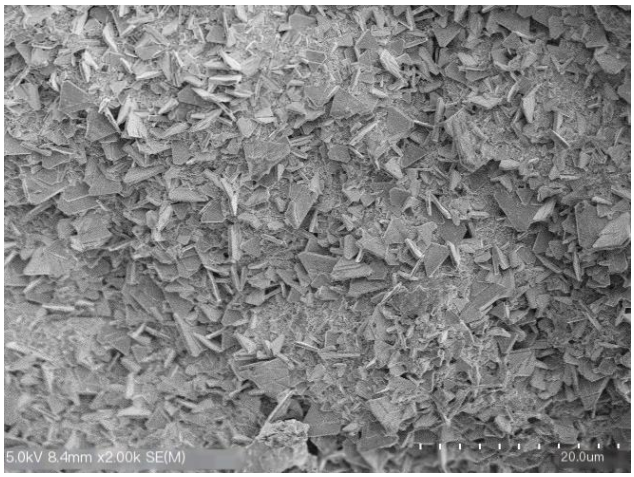


21: 2025/05485. 22: 2025/06/26. 43: 2026/02/16
51: B22F; C22C
71: XIAMEN TUNGSTEN CO., LTD., XIAMEN GOLDEN EGRET SPECIAL ALLOY CO., LTD.
72: ZHANG, Taiquan, ZHENG, Wenqing, OUYANG, Hui, WU, Songyi, LONG, Dongyang, LUO, Wenyuan, LIU, Chao, LIN, Liangliang
33: CN 31: 202310939618.3 32: 2023-07-28

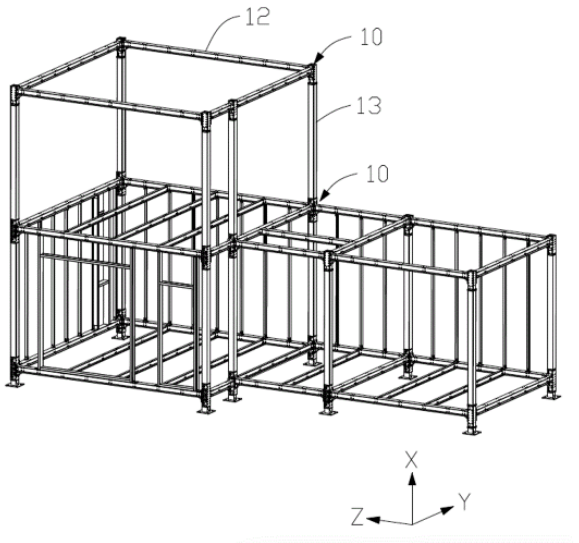
54: BINDER-PHASE-FREE HARD ALLOY, AND PREPARATION METHOD THEREFOR AND USE THEREOF

00: -

The present invention relates to the technical field of hard alloys. Disclosed are a binder-phase-free hard alloy, and a preparation method therefor and the use thereof. Since the content of a binder-phase metal in the binder-phase-free hard alloy as provided is less than or equal to 1 wt%, WC crystal grains are difficult to grow into a plate-shaped morphology by means of dissolution-precipitation in the binder-phase metal, and the diffusion growth rate of each crystal plane and crystal boundary of the WC crystal grains is directionally controlled by adding elements such as boron, titanium, chromium and vanadium and controlling the amounts thereof; therefore, a portion of the crystal grains is controlled to grow into a polygonal lamellar morphology, crystal grains with a polygonal lamellar morphology are prepared under the conditions of substantially no binder-phase metal being present and flattening treatment not being required for raw material powder, the toughness of the binder-phase-free hard alloy is effectively improved, and the hardness is prevented from being significantly reduced to decrease the wear resistance.



21: 2025/05497. 22: 2025/06/27. 43: 2026/02/16
51: E04B
71: Insome Technologies (SZ) Co. Ltd.
72: Xuting Zhang, Xuqian Zhang
54: PREFABRICATED BUILDING WITH STEEL STRUCTURE
00: -
A prefabricated building with a steel structure, including building assemblies, each of the building assemblies includes a connector, at least one column and one column. The connector includes sidewalls and two end walls, with the sidewalls connected sequentially, and the two end walls arranged along a first direction, both connected to the sidewalls; at least one beam, the beam is detachably connected to one of the sidewalls. At least one column, the column is detachably connected to one of the end walls. The prefabricated building with the steel structure solves multiple technical bottlenecks in traditional prefabricated buildings through standardized design, simplified installation process, weld-free connections, high-precision assembly, excellent transportation efficiency, flexible expandability, and low-threshold construction requirements, providing a more efficient, cost-effective, and environmentally friendly building solution.

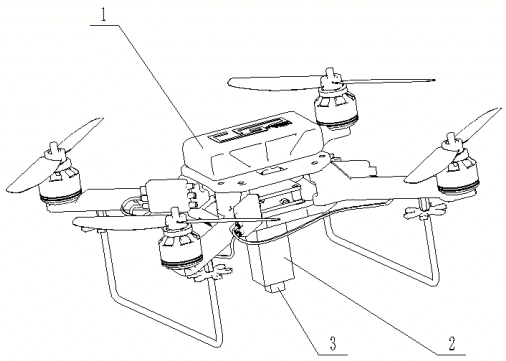


21: 2025/05498. 22: 2025/06/27. 43: 2026/02/16
51: A47G; A61K; A61P
71: Maosen Chen
72: Maosen Chen
54: MEDICINAL PILLOW FOR STRENGTHENING BRAIN AND IMPROVING EYESIGHT
00: -
The invention provides a medicinal pillow for strengthening brain and improving eyesight, comprising a medicine pillow, wherein the inside of the medicine pillow is filled with Chinese medicinal materials, and the Chinese medicinal materials are mixed according to weight ratio, including the following: 60-100 parts of Nux Prinsepiae, 30-50 parts of Saffron, 60-100 parts of Red Peony Root, 60-100 parts of Paeoniae Radix Alba, 60-100 parts of Polygala tenuifolia Willd, 60-100 parts of Dioscorea polystachya Turcz., 60-100 parts of Eucommia ulmoides Oliv., 60-100 parts of Juglans regia, 60-100 parts of Rhizoma Chuanxiong, 60-100 parts of Wild Pepper, 60-100 parts of Tangerine Peel, 60-100 parts of Fructus Viticis, 60-100 parts of Cinnamon Bark, 60-100 parts of Senecio Scandens, 60-100 parts of Hare Dung, 60-100 parts of Bat Dung, 30-60 parts of Silkworm Excrement, 30-60 parts of Scouring Rush, 30-60 parts of Butterflybush Flower, 50-80 parts of Chrysanthemum, 60-100 parts of Semen Celosiae, 60-100 parts of Motherwort Fruit, 60-100 parts of Semen Cassiae, 60-100 parts of Ligustrum Lucidum Ait, 60-100 parts of Semen Cuscutae, 60-100 parts of Grain Sperm, 60-100 parts of Astragalus Complanatus, 60-100 parts of Fructus Broussonetiae, 60-100 parts of

Fructus Rubi, 60-100 parts of Fructus Alpiniae Oxyphyllae, 60-100 parts of Semen Plantaginis, 60-100 parts of Semen Platycladi, and 60-100 parts of Ganoderma Lucidum. The medicated pillow of the invention is filled with a variety of Chinese herbal medicine raw materials, has good air permeability, strong plasticity, can adapt to changes in different sleeping postures, has a good massage effect on the acupuncture points of the head and neck, can significantly improve sleep quality, calm the mind and strengthen the brain, and has an auxiliary therapeutic effect on improving eyesight.

21: 2025/05499. 22: 2025/06/27. 43: 2026/02/16
51: A61K; A61P
71: Yuanzhu Zhang
72: Yuanzhu Zhang
33: CN 31: 2025100677778 32: 2025-01-16
54: ANTI-AGING IMMUNE FORMULA
00: -
The invention relates to the technical field of traditional Chinese medicines, specifically to an anti-aging immune formula, wherein it comprises the following raw materials in parts by weight: 10-30 parts of Tribulus terrestris, 15-35 parts of Acanthopanax senticosus, 8-20 parts of Oplopanax elatus, 12-30 parts of Rosa roxburghii, 10-25 parts of Cistanche deserticola, 5-15 parts of Ginseng rhizome, 15-35 parts of Hippophae rhamnoides, 10-25 parts of Ginkgo biloba seed, 8-20 parts of Astragalus complanatus seed, 5-15 parts of Pinus needles, 10-30 parts of Ganoderma lucidum, 15-35 parts of Lycium barbarum, and 10-30 parts of Gastrodia elata. The invention is suitable for middle-aged and elderly people, with low immunity and pay attention to health and have the need to delay aging. By taking this traditional Chinese medicine composition, they can regulate body functions, enhance immunity, resist the aging process, improve the overall health of the body, and enhance the quality of life.

21: 2025/05500. 22: 2025/06/27. 43: 2026/02/16
51: G01C
71: Henan University of Urban Construction
72: YANG Yun, GUO Huanhuan, CHEN Lianjun, LU Chunyang, WEN Feng, QU Qianlong, ZHOU Yushi
54: DRONE-BASED ROAD SURFACE DEFECT DETECTION DEVICE
00: -
The present invention discloses a drone-based road surface defect detection device, which pertains to the technical field of road maintenance. The device comprises a drone body, with a protective box located below the drone body. A lifting assembly is installed inside the protective box, and a scanning camera is arranged at the bottom of the lifting assembly. The scanning camera is positioned outside the protective box. A movable box is provided on top of the protective box, and the protective box is slidably connected to the movable box. A fixed box is arranged on top of the movable box, and the movable box is slidably connected to the fixed box. The top surface of the fixed box is fixedly connected to the bottom surface of the drone body. The invention utilizes the drone body as a movable carrier, with the protective box safeguarding internal components. The lifting assembly enables height adjustment of the scanning camera, while the scanning camera, located outside the protective box, facilitates the collection of road surface image data. The sliding connection design of the movable box and the fixed box allows the protective box and the scanning camera to adjust their positions horizontally. This structure provides flexible movement and scanning capabilities for road surface defect detection, contributing to comprehensive and accurate acquisition of road surface defect information.



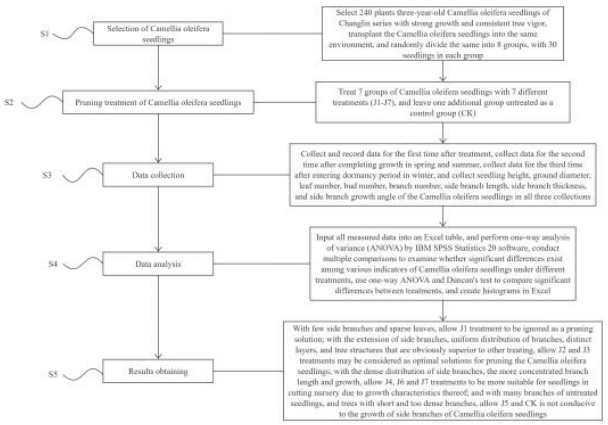
21: 2025/05502. 22: 2025/06/27. 43: 2026/02/17
51: C05G
71: Experimental Center for Subtropical Forestry, Chinese Academy of Forestry, Xinyu University
72: GUO Hongyan, ZHOU Zongshun, HE Tieding, LIU Yisi, ZHOU Jian, YAN Chao, CHEN Chuansong,

YUAN Yaqi, CAO Linqing, WANG Jinfeng, HUA Yikai, JIANG Ying, WANG Jia, CAO Lixian, PAN Wenting

54: PRUNING METHOD FOR LARGE CONTAINER-GROWN SEEDLINGS OF CHANGLIN SERIES CAMELLIA OLEIFERA

00: -

The present invention provides a pruning method for large container-grown seedlings of Changlin series Camellia oleifera, including specific steps of: S1: Camellia oleifera seedling selection; S2: treating 7 groups of Camellia oleifera seedlings with 7 different treatments (J1-J7), and leaving one additional group untreated as a control group (CK); S3: data acquisition; S4: data analysis; and S5: allowing J1 treatment to be ignored as a pruning solution; allowing J2 and J3 treatments can be considered as optimal solutions for pruning the Camellia oleifera seedlings with tree structures that are obviously superior to other treating; allowing J4, J6 and J7 treatments to be more suitable for seedlings in cutting nursery with the dense distribution of side branches, the more concentrated branch length and growth; and the seedlings of CK and J5 that are not treated have a large number of branches, short branches and overly dense tree shapes. In the present invention, different effects of different pruning treatments on various growth traits of Camellia oleifera seedlings are obtained by performing pruning tests with different treatments on multiple Camellia oleifera seedlings, thereby facilitating selection of appropriate pruning treatments based on the growth traits required for Camellia oleifera.



21: 2025/05507. 22: 2025/06/27. 43: 2026/02/17
51: G06F; G06Q

71: QUANZHOU UNIVERSITY OF INFORMATION ENGINEERING
72: WANG, Lingfeng

54: DIGITAL MARKETING SUPPLY CHAIN DATA TECHNOLOGY SYSTEM FOR DIGITAL ECONOMY

00: -

The present application discloses a digital marketing supply chain data technology system for digital economy, including the following modules: a multi-source data integration module, a demand forecasting module, a customer segmentation module, a resource scheduling module and an anomaly monitoring module. The multi-source data integration module is used to collect internal and external data of an enterprise, the external data includes social media data, market trend data and competitor data, and the internal data includes sales records, inventory status and logistics information. The customer segmentation module is used to analyze customer interaction data through a graph neural network algorithm, identify customer preference features, and divide customers into high-value customer groups and potential customer groups. The multi-source data integration module of the digital marketing supply chain data technology system for the digital economy breaks down information silos and improves data integration capabilities by collecting internal and external data from the enterprise.

21: 2025/05540. 22: 2025/06/30. 43: 2026/02/17
51: B28C

71: University of Science and Technology Beijing
72: Yongjian Ju, Wen Ni, Haojing Ba, Siqi Zhang, Guoping Wen

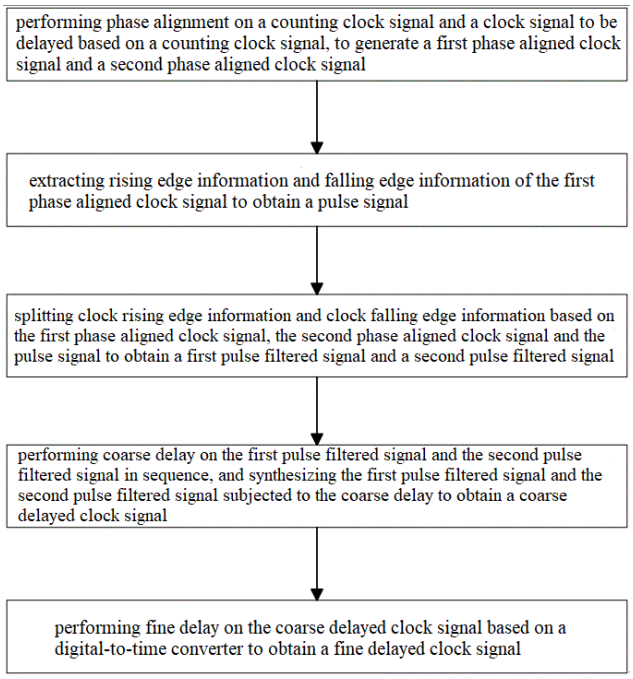
54: A KIND OF READY-MIXED PUMPING CONCRETE AND ITS PREPARATION METHOD

00: -

This study proposes a ready-mixed pumping concrete and its preparation method, which falls within the technical field of construction material preparation. The preparation method involves weighing each raw material in specified proportions, mixing and grinding cement, fly ash, and gypsum, then incorporating fine and coarse aggregates, a water-reducing agent, and water, followed by pouring the mixture into a test block and curing it to produce the final ready-mixed pumping concrete. The ready-mixed pumping concrete formulated in

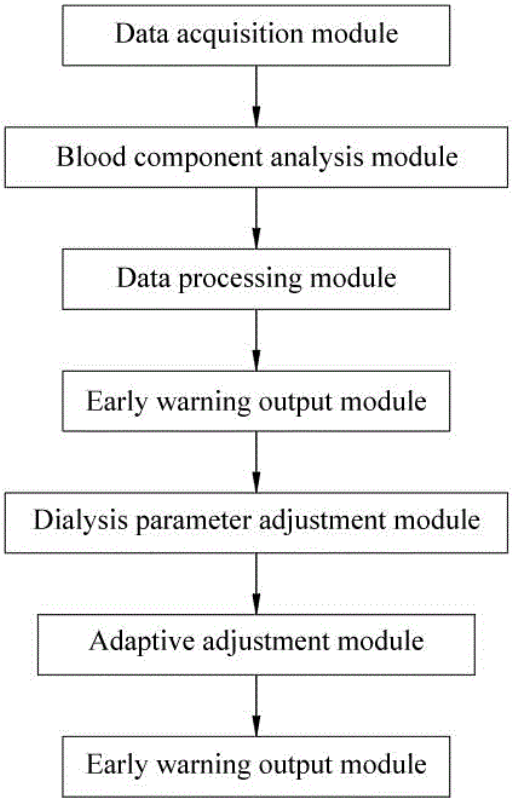
this study significantly reduces carbon dioxide emissions while maintaining its structural performance.

21: 2025/05541. 22: 2025/06/30. 43: 2026/02/17
51: G06F
71: Zhejiang Saisi Electronical Technology Co., Ltd.
72: Jia SHEN, Hui CAO, Peng ZHANG, Yonghe TIAN, Yan ZHAO
33: CN 31: 2025107288766 32: 2025-05-30
54: METHOD AND SYSTEM FOR LOW-POWER CLOCK DELAY
00: -
The disclosure relates to a method and system for low-power clock delay in the technical field of integrated circuits. The method includes: performing phase alignment on a counting clock signal and a clock signal to be delayed based on a counting clock signal, to generate a first phase aligned clock signal and a second phase aligned clock signal; extracting rising edge information and falling edge information of the first phase aligned clock signal to obtain a pulse signal; splitting clock rising edge information and clock falling edge information based on the first phase aligned clock signal, the second phase aligned clock signal and the pulse signal to obtain a first pulse filtered signal and a second pulse filtered signal; performing coarse delay on the first pulse filtered signal and the second pulse filtered signal in sequence, and synthesizing the first pulse filtered signal and the second pulse filtered signal subjected to the coarse delay to obtain a coarse delayed clock signal; and performing fine delay on the coarse delayed clock signal based on a digital-to-time converter to obtain a fine delayed clock signal, which can solve a problem that high delay precision and large dynamic range cannot be simultaneously realized in a case of low power consumption in existing delay technology.

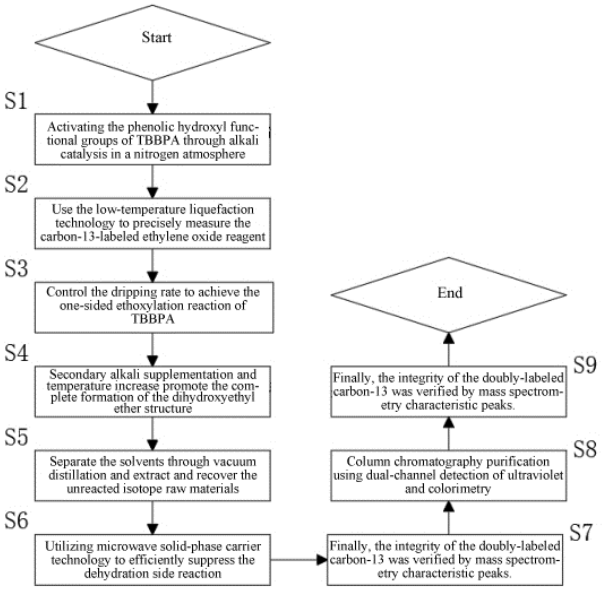


21: 2025/05542. 22: 2025/06/30. 43: 2026/02/17
51: G06F
71: The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University
72: Lingwei Jin, Bairu Ye, Jing Zhang, Xinru Lu, Baihao Chen, Jiadan Lu
33: CN 31: 202510736449.2 32: 2025-06-04
54: ONLINE MONITORING SYSTEM AND METHOD FOR HEMODIALYSIS
00: -
The present invention relates to the technical field of hemodialysis monitoring and proposes an online monitoring system and method for hemodialysis. It includes: a data acquisition module for real-time collection of blood physiological parameters in the dialysis pipeline; the blood component analysis module, connected to the blood circuit of the dialysis machine, is used for online detection of serum iron, ferritin and ferritin saturation indicators. The data processing module is used to calculate the risk index of anemia based on the collected and analyzed data, evaluate the iron utilization rate, construct a model for measuring the trend of erythropoiesis due to iron deficiency, and train and optimize the model. By integrating the individual parameters of patients, personalized calculations are carried out for the iron metabolism rate and dialysis parameters of different patients, and data such as iron content, blood flow, and dialysis fluid volume are collected online in real time. This enables the iron agent concentration to

precisely match the real-time iron metabolism requirements of patients with the infusion rate, reducing the occurrence of anemia in patients during dialysis.

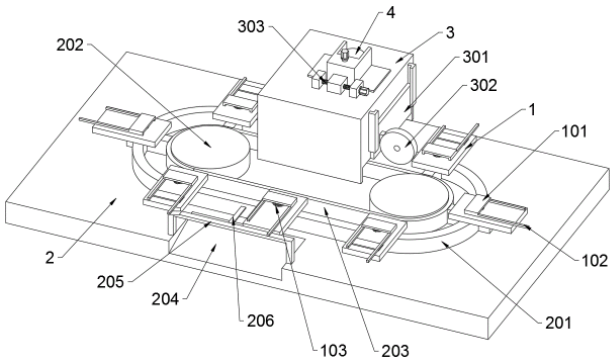


21: 2025/05543. 22: 2025/06/30. 43: 2026/02/17
51: C07C
71: Qingdao University
72: Zongshan Zhao, Haili Zhang, Jing Lan, Yawei Sun, Yaoyao Wang, Qi Lou, Hui Xue
54: A SYNTHESIS METHOD FOR A CARBON-13 ISOTOPE-LABELED TBBPA BIS(2-HYDROXYETHYL) ETHER
00: -
The present invention discloses a synthesis method for a carbon-13 isotope-labeled TBBPA bis(2-hydroxyethyl) ether. In this invention, a microwave-assisted solid-phase reaction is employed, combining the selective adsorption capacity of an acidic alumina carrier with microwave directional heating to effectively inhibit the dehydration cyclization side reaction of the hydroxyethyl chain, while accelerating the orderly arrangement and crystallization of the target molecule. This operation not only avoids the racemization of the carbon-13 labeled sites caused by local overheating in the traditional liquid-phase method, but also reduces the difficulty of subsequent purification by adsorbing polar impurities through the carrier, improves the selectivity of the double-substituted product, significantly reduces the isotope dilution effect in the preparation of the isotope-labeled substance, and enhances the operational safety and cost-effectiveness of the overall process through precise parameter control in each step. It also avoids the bromination by-product that may be generated during high-temperature and long-time reactions while reducing energy consumption. The carbon spectrum detection of the final product shows that the labeled site specificity is complete, providing a highly reliable standard sample for environmental trace analysis.

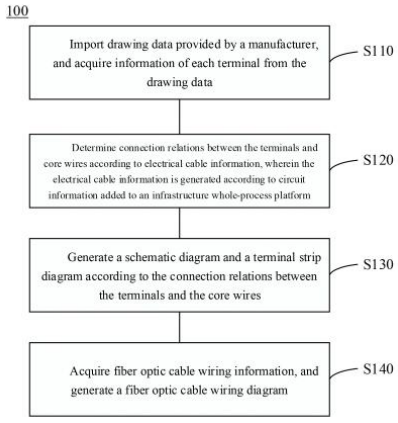


21: 2025/05549. 22: 2025/06/30. 43: 2026/02/19
51: G02B
71: THE FIRST AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU RESPIRATORY CENTER)
72: LIU, Dan, LIU, Longlong, WANG, Yaya, HUANG, Zhenqian
54: BLOOD TUMOR DETECTION EQUIPMENT
00: -
The present invention provides a blood tumor detection device, which relates to the technical field of medical detection equipment, comprising: a main carrier, a lower base, an external light-shielding enclosure, and a microscopic detection module. The

main carrier is arranged in a circular array at the top of the lower base, and the top of the main carrier is fixedly provided with an external light-shielding enclosure. The top of the lower base is fixedly provided with an circular guide rail, and both sides of the top of the lower base are rotatably provided with central drive gears, which mesh on both sides of the external timing chain. The lower base is fixed with a central guide frame above the side guide ramp, and a middle stop strip is fixedly provided in the middle of the central guide frame.The main carrier moves with the external timing chain to the bottom of the microscopic detection module for tumor detection, quickly switching and forming an efficient flow operation mode, solving the problem of the need to replace blood sample slides before each detection, which increases the waiting time in the tumor detection process.

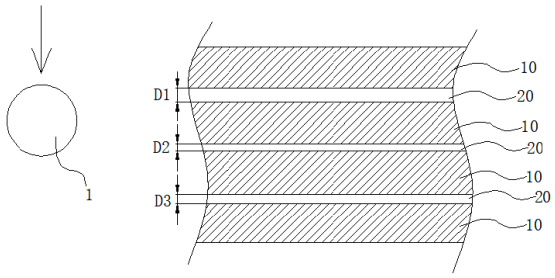


21: 2025/05575. 22: 2025/06/30. 43: 2026/02/17
51: G06F
71: Yueyang Electric Power Survey and Design Institute Company Limited, State Grid Hunan Yueyang County Electric Power Supply Company, State Grid Corporation of China, State Grid Hunan Electric Power Company Limited
72: Xing Gan, Zhenyu Yao, Chang Xu, Zhiwen Jiang, Tao Wang, Li Zhang, Junyue Zhang, Chao Li, Di Yan
33: CN 31: 202410719754.6 32: 2024-06-05
54: MULTIFUNCTIONAL DIGITAL AND INTELLIGENT SECONDARY ELECTRICAL DESIGN METHOD AND SYSTEM
00: -
The application provides a multifunctional digital and intelligent secondary electrical design method and system. The multifunctional digital and intelligent secondary electrical design method comprises: importing drawing data provided by a manufacturer and acquiring information of each terminal from the drawing data; determining connection relations between the terminals and core wires according to electrical cable information, wherein the electrical cable information is generated according to circuit information added to an infrastructure whole-process platform; generating a schematic diagram and a terminal strip diagram according to the connection relations between the terminals and the core wires; and acquiring fiber optic cable wiring information and generating a fiber optic cable wiring diagram. The method can automatically recognize and extract terminal information from drawings provided by the manufacturer to accurately determine the connection relations between the terminals and the core wires to generate the schematic diagram and the terminal strip diagram in conformity with the construction standard, and supports fiber optic cable wiring design and overall information management, thus improving electrical design efficiency and quality.



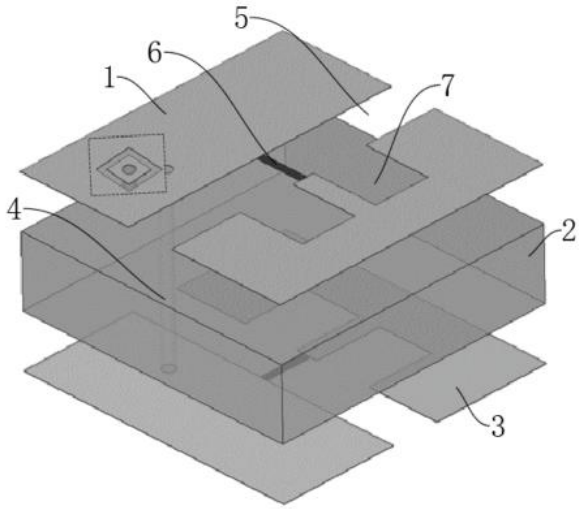
21: 2025/05577. 22: 2025/06/30. 43: 2026/02/17
51: B22F; C22C
71: XIAMEN HONGLU TUNGSTEN MOLYBDENUM INDUSTRY CO., LTD.
72: TANG, Minfeng, GUO, Donghong, FANG, Yijin, LV, Sheng, HUANG, Canxin, JIANG, Xiangcao, ZHANG, Weibing, YU, Chunlei
33: CN 31: 202311813481.3 32: 2023-12-26
54: TUNGSTEN ALLOY WIRE, PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
The present invention relates to the technical field of tungsten alloy materials, in particular to a tungsten alloy wire and preparation method therefor and use thereof. The tungsten alloy is composed of the following elements by mass fraction: 0.45 wt% to 0.9wt% of L, 0.05 wt% to 0.2wt% of oxygen, with the balance being tungsten and inevitable impurities;

wherein L is one or more of lanthanum, cerium, praseodymium, neodymium, gadolinium, and samarium; the wire has a diameter of 20 μm to 60 μm, and in the wire, L or L compounds exist in a linear form along the axial direction of the wire, and the average width D of the L or L compounds along the radial direction is ≤ 5 nm. By controlling the linear doping of L element between the tungsten matrix and making the radial average width of L ≤ 5nm, the crack breakage caused by second phase particles during subsequent pressure processing is greatly reduced, which is conducive to ensuring the mechanical strength of tungsten alloy wire. The wire has a tensile strength of 5000MPa or more at a diameter of 20 μm to 60 μm, and enhances the processing performance of tungsten alloy wire.



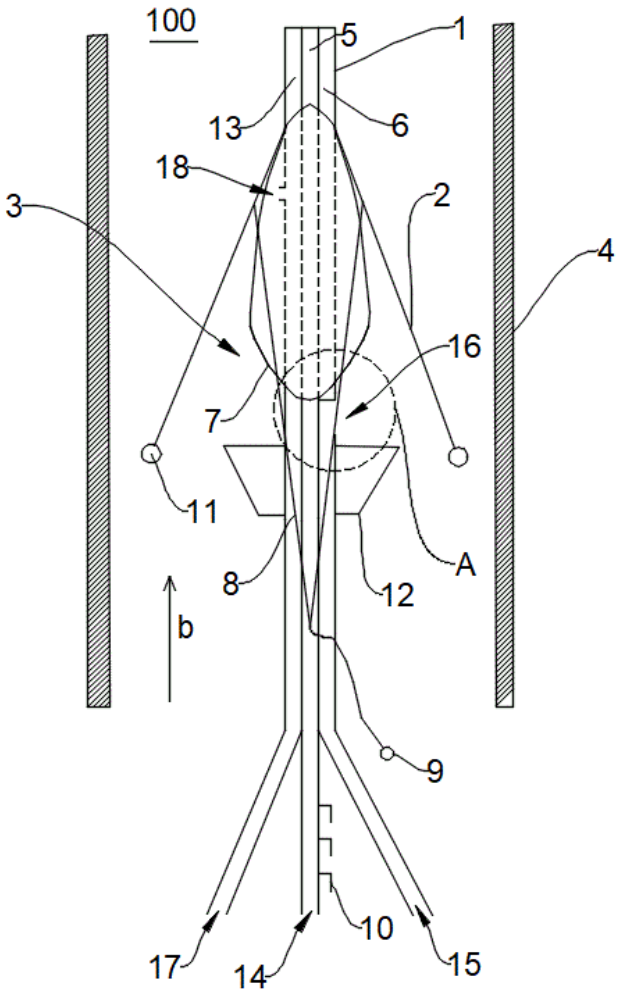
21: 2025/05596. 22: 2025/07/01. 43: 2026/02/17
51: G08B
71: Chatillon van der Westhuizen
72: Chatillon van der Westhuizen
54: INTELLIGENT AND SECURE PARCEL DELIVERY BOX SYSTEM
00: -
An intelligent parcel delivery box system for unattended delivery and secure access control is disclosed. The system comprises a tamper-resistant enclosure having an access member and a mail delivery slot, an electronic locking mechanism, a control unit, a communication subsystem, and a courier access interface. The courier access interface enables authorised, time-limited entry by couriers using scannable identifiers and cryptographically signed access tokens. The control unit, which may include an edge computing device and/or a microcontroller, manages system operations and may execute artificial intelligence algorithms to predict delivery events and adjust system behaviour. Optional components include an environmental control module for perishable items and an emergency mechanical override. The system supports real-time monitoring, anomaly detection, and secure remote user interaction via mobile or web applications. This provides a secure, autonomous solution for deliveries to residential, commercial, and institutional premises.

21: 2025/05597. 22: 2025/07/01. 43: 2026/02/17
51: G02F
71: Wannan Medical College
72: Zhang Bianmei
33: CN 31: 2025104173116 32: 2025-04-03
54: A RECONFIGURABLE BROADBAND TRANSMISSION-TYPE LINEAR POLARIZATION CONTROLLER
00: -
The present invention discloses a reconfigurable broadband transmission-type linear polarization controller, which relates to the field of microwave technology. The polarization controller includes a polarization controller body, in which a plurality of polarization control units are arranged. The polarization controller body is formed by periodically arranging N*N polarization control units in the x and y directions. The present invention has the advantages of small volume, simple structure, and convenient production. It achieves the control effect of converting an x-polarized incident wave into a y-polarized transmitted wave. By controlling the working state of the PIN diode, the line-line polarization control can be switched between two modes of low frequency and high frequency, with convenient switching and adjustment, and the angle stability is as high as 45 degrees. Compared with other invention designs, the present invention exhibits the dual functions of polarization control and frequency reconfiguration at the same time, and has the advantages of broadband, high efficiency, low loss, and high angle stability.



21: 2025/05598. 22: 2025/07/01. 43: 2026/02/17
51: A61M
71: THE FIRST AFFILIATED HOSPITAL OF SOOCHOW UNIVERSITY
72: HUANG, Lei, PENG, Ke, JI, Fuhai
33: CN 31: 202411189828.6 32: 2024-08-28
54: A FILTERED DEEP VEIN CATHETER
00: -

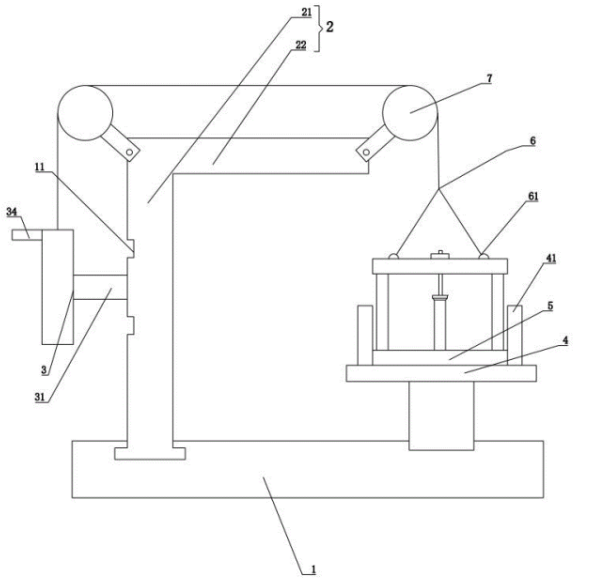
The present disclosure provides a filtered deep vein catheter, belonging to the technical field of medical devices. The filtered deep vein catheter comprises: a catheter body, a filter, a filter control device. At least a first pipe and a second pipe are formed inside the catheter body and are independent of each other and both have openings. The catheter body comprises an introduction end for inserting into a vein, and the catheter body is at least partially exposed outside the body; the filter is in an umbrella frame structure, such that one end of the filter is fixed on the outer wall of the catheter body close to the introduction end, and the other end is away from the introduction end and suspended in the air; the filter control device, comprising a capsule provided on a portion of the outer side wall of the catheter body, the capsule is located between the catheter body and the filter, the outer surface of the capsule is fixedly connected to the filter. And the capsule is filled with water to move the suspended end of the filter in a direction away from the catheter body. The deep vein catheter with filter of the present disclosure can meet the needs of perioperative infusion and thrombolytic therapy for patients at high risk of deep venous thrombosis of the lower limbs, especially during surgery, and has the function of intercepting dislodged thrombi, greatly reducing the risk of pulmonary embolism in patients.



21: 2025/05600. 22: 2025/07/01. 43: 2026/02/17
51: G01N
71: Lishui University
72: Tang Jie
54: TRIAXIAL TESTING APPARATUS FOR STUDYING STRENGTH AND DEFORMATION CHARACTERISTICS OF COARSE-GRAINED MATERIALS UNDER K0 CONSOLIDATION CONDITION
00: -

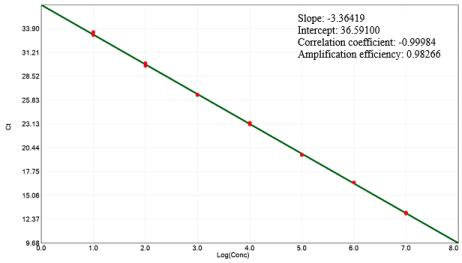
The present invention provides a triaxial testing apparatus for studying strength and deformation characteristics of coarse-grained materials under a K0 consolidation condition, including a main console, a support, a stowable wheel, a base and a pressure chamber. The support is rotatably arranged on the main console, the base is arranged on the main

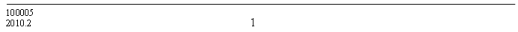
console, the pressure chamber is slidably arranged on the base, the stowable wheel is arranged on the support and has a fixing rope fixed above the pressure chamber, and the stowable wheel has a winding state for winding the fixing rope and a loosening state for loosening the fixing rope.



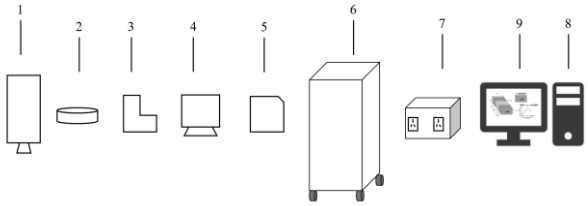
21: 2025/05604. 22: 2025/07/01. 43: 2026/02/17
51: G01N
71: HANGZHOU ZHEDA DIXUN BIOLOGICAL GENE ENGINEERING CO., LTD.
72: WU, Shandong, LIU, Yi, WU, Zhoujie, HUANG, Yingwen, YIN, Deling, CHEN, Shanshan, WU, Shanhong, WANG, Yifei, WANG, Meijie, JIANG, Yuqi, FAN, Hongyu, FU, Hongliang
33: CN 31: 2024117736196 32: 2024-12-05
54: METHOD FOR CONTROLLING BATCH-TO-BATCH VARIATION AND IMPROVING SPECIFICITY BY CHANGING TIME FOR ADDING RAW MATERIALS AFTER ACTIVATION OF MICROSPHERES
00: -
The present invention provides a method for controlling batch-to-batch variation and improving specificity by changing a time for adding raw materials after activation of microspheres, and belongs to the technical field of biomedicine. In the present invention, bioactive substances are added for coupling after the microspheres are activated for a certain period of time. According to the present invention, no additional reagent or step is required to be introduced, the reduction of the batch-to-batch variation and false positive result may be achieved by simply optimizing the addition time of the coupling object, the operation is simple and easy to control, the false positive result caused by non-specific binding may be reduced, the biological coupling reaction is more sensitive and reliable, and the detection sensitivity, specificity and accuracy may be further improved. In addition, the present invention has extremely high practical value for fields that require large-scale production and have high requirements for product quality. The method of the present invention may provide a more reliable and stable tool for biomedical research and clinical diagnosis, and has good application prospects.

21: 2025/05605. 22: 2025/07/01. 43: 2026/02/17
51: C12N; C12Q
71: HANGZHOU ZHEDA DIXUN BIOLOGICAL GENE ENGINEERING CO., LTD.
72: WU, Zhoujie, ZHU, Mingzhi, WU, Shandong, JIANG, Xuehan, YIN, Deling, LIU, Yi, YANG, Xukai, ZHENG, Shuai, WANG, Jiping, SHEN, Mei, XU, Puyang
33: CN 31: 2024119672714 32: 2024-12-30
54: PRIMER-PROBE SET FOR DETECTING HUMAN INTERLEUKIN 4 RECEPTOR ALPHA IL4RA MRNA, KIT, AND USE THEREOF
00: -
The present invention provides a primer-probe set for detecting human interleukin 4 receptor alpha (IL4RA) mRNA, a kit, and use thereof, and belongs to the technical field of biological detection. The primer-probe set of the present invention includes IL4RA-F, IL4RA-R and a probe I4-Probe; a nucleotide sequence of the IL4RA-F is shown in SEQ ID NO. 1, a nucleotide sequence of the IL4RA-R is shown in SEQ ID NO. 2, and a nucleotide sequence of the probe I4-Probe is shown in SEQ ID NO. 3. The present invention provides a kit containing the primer-probe set, which may detect the expression level of IL4RA mRNA using the RNA one-step method, and provide a detection method with high accuracy, wide detection range and high sensitivity for the detection of IL4RA protein.





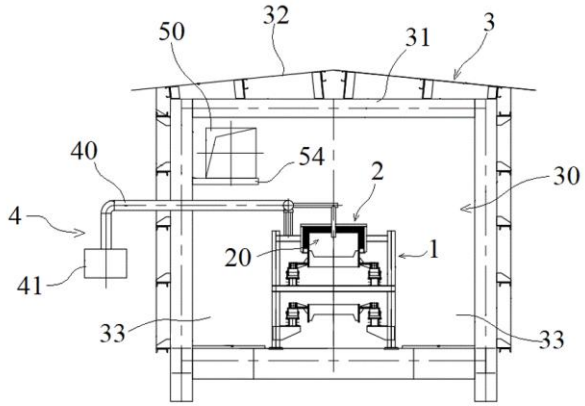
21: 2025/05606. 22: 2025/07/01. 43: 2026/02/17
51: B64D
71: CIVIL AVIATION FLIGHT UNIVERSITY OF CHINA
72: LIU, Qingsong, TANG, Shenlan, JIANG, Qin, DAN, Youquan, XU, Luopeng, SUN, Peiyu, LI, Mengdi
54: HYPERSPECTRAL DETECTION DEVICE AND METHOD FOR FOREIGN OBJECT DEBRIS ON AIRPORT PAVEMENTS
00: -
The present invention discloses a hyperspectral detection device and method for foreign object debris on airport pavements and relates to the technical field of airport pavement inspection equipment. The hyperspectral detection device includes a snapshot hyperspectral imager, an imager support assembly, a road inspection vehicle, a data processor, and a display device; wherein the snapshot hyperspectral imager is mounted on the imager support assembly, the imager support assembly is installed on the road inspection vehicle, the snapshot hyperspectral imager is communicatively connected to the data processor, and the data processor is electrically connected to the display device via communication wiring. The present invention features a rational equipment layout and a simplified method, capable of achieving high-precision, high-efficiency, and low-cost identification and classification of foreign object debris on airport pavements.



21: 2025/05607. 22: 2025/07/01. 43: 2026/02/17
51: A61K; C07K; C12N; A61P
71: RINUAGENE BIOTECHNOLOGY CO., LTD, RINUAGENE INTERNATIONAL HK LIMITED
72: CEN, Shan, WANG, Jing, ZHANG, Weiguo, DONG, Yijie
33: CN 31: PCT/CN2022/143328 32: 2022-12-29
33: CN 31: PCT/CN2023/114487 32: 2023-08-23
33: CN 31: 2023116841858 32: 2023-12-08
54: POLYNUCLEOTIDE MOLECULE FOR PREVENTING OR TREATING HPV INFECTION-RELATED DIDEASES
00: -
The present application relates to a polynucleotide molecule that can be used for preventing or treatment HPV infection-related diseases, and a pharmaceutical product, a pharmaceutical composition, or an mRNA vaccine comprising said polynucleotide.

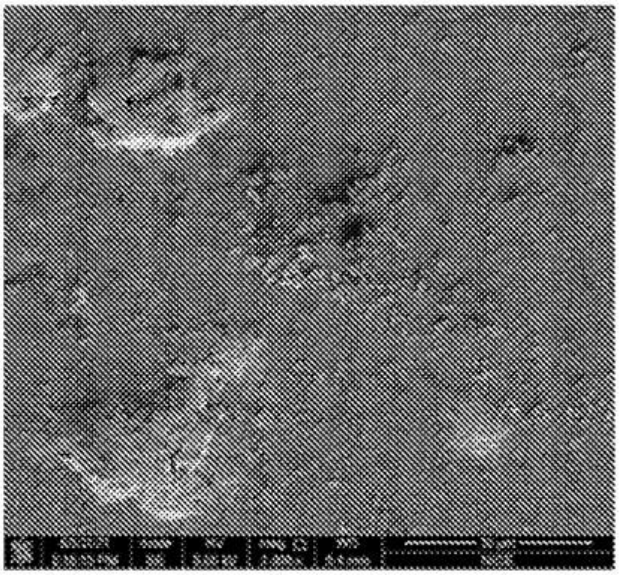
21: 2025/05610. 22: 2025/07/01. 43: 2026/02/18
51: B65G
71: CISDI ENGINEERING CO., LTD., CISDI SHANGHAI ENGINEERING CO., LTD.
72: DAI, Wenjun, WANG, Shusheng, ZHENG, Jun, MA, Yunfeng, ZHANG, Tao, ZHANG, Yudong, WU, Kaiji
33: CN 31: 202310059742.0 32: 2023-01-16
54: MATERIAL CONVEYING SYSTEM WITH ATMOSPHERE PROTECTION, AND GAS FILLING METHOD AND GAS REPLACING METHOD THEREFOR
00: -
A material conveying system with atmosphere protection, and a gas filling method and gas replacing method therefor. The material conveying system comprises a first protective shell (2), a second protective shell (3), a material conveyor (1) and a gas supply device (4), wherein a second

protective atmosphere space (30) is formed in the second protective shell (3), and the material conveyor (1) is arranged in the second protective shell (3) and located in the second protective atmosphere space (30); the first protective shell (2) covers the material conveyor (1), and a first protective atmosphere space (20) located in the second protective atmosphere space (30) is formed between the first protective shell (2) and the material conveyor (1); the material conveyor (1) comprises a material conveying position for conveying materials, the material conveying position being located in the first protective atmosphere space (20); and the gas supply device (4) is in communication with at least the first protective atmosphere space (20), and supplies protective gas to the first protective atmosphere space (20). The present invention can provide double-layer protection for the materials conveyed by the material conveyor (1), such that the degree of isolation between a protective atmosphere and an external gas environment is increased, and leakage of the protective gas is reduced, thereby improving the protective effect on the materials.



21: 2025/05611. 22: 2025/07/01. 43: 2026/02/10
51: B01D
71: CHINA ENERGY TECHNOLOGY COMMERCIALIZATION (BEIJING) CO., LTD.
72: HAI, Yuyan, XIONG, Rihua, WEN, Xin, MA, Rui, QI, Yunlong
33: CN 31: 202310032890.3 32: 2023-01-10
54: METHOD FOR REPAIRING WASTE REVERSE OSMOSIS MEMBRANE AND REMOVING INSOLUBLE POLLUTANTS
00: -

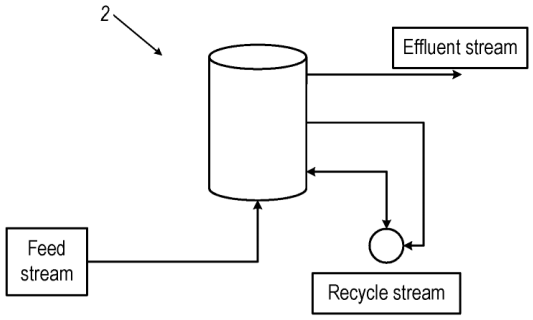
A method for repairing a waste reverse osmosis membrane and removing insoluble pollutants, which method comprises the following steps: subjecting a waste reverse osmosis membrane element to first-cycle soaking with a repairing agent A, so as to obtain a soaked object; adding a repairing agent B to the soaked object and performing second-cycle soaking, so as to obtain a repaired reverse osmosis membrane element; and subjecting the repaired reverse osmosis membrane element to a cyclic soaking and cleaning treatment alternately using an acid liquor and an alkali liquor, wherein the pH of the acid liquor is 2-4, the pH of the alkali liquor is 10-12, and the cyclic treatment alternately using the acid liquor and the alkali liquor is conducted for 1-20 rounds. A cleaning step can be omitted during repairing, and insoluble pollutants on the surface of the membrane can be removed by means of cleaning with the acid liquor and the alkali liquor after being repaired, such that a treatment process for restoring the performance of the waste membrane and removing pollutants is simplified.



21: 2025/05612. 22: 2025/07/01. 43: 2026/02/18
51: B01D; B01J
71: IDE WATER TECHNOLOGIES LTD.
72: DRAK, Alex, EFRAT, Tomer, ZAKEN, Roi
33: GB 31: 2300360.1 32: 2023-01-10
54: SULPHATE REMOVAL USING FLUIDIZED BED REACTOR
00: -

A process for treating fluids for the removal of sulphate therefrom, the process comprising passing

a fluid containing a sulphate and carbonate through a fluidized bed reactor; and, loading sulphate to said fluidized bed reactor at a rate that is greater than 1kg of sulphate per square metre of said fluidized bed reactor per hour (kg SO4/m2/hr); thereby co-precipitating the sulphate and carbonate. The process must maintain the supersaturation levels of calcium sulphate within a predefined range of 100-450% and provides a loading rate of sulphate in the reactor that is greater than 1kg of sulphate per square metre of reactor per hour (kg SO4/m2/hr).

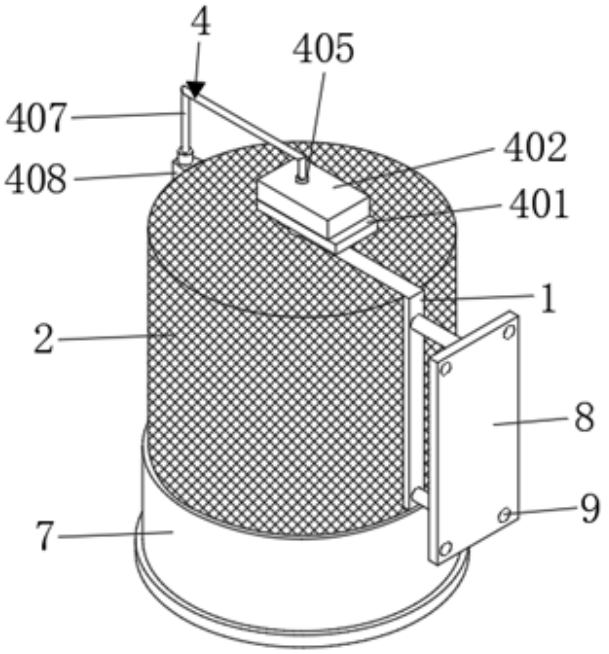


21: 2025/05617. 22: 2025/07/01. 43: 2026/02/18
51: C07K; C12N
71: INSTITUTE OF MICROBIOLOGY, CHINESE ACADEMY OF SCIENCES
72: GAO, Fu, WANG, Qihui, DU, Pei, KONG, Tianxiang, WU, Lili, QU, Xiao, QI, Jianxun, MA, Renyi
33: CN 31: 202211537702.4 32: 2022-12-02
54: MULTI-ANTIGEN CHIMERIC VACCINE AGAINST POXVIRUS AND USE THEREOF
00: -
The present application relates to a multi-immunogen chimeric or mixed antigen for a poxvirus, particularly monkeypox virus, related products, and preparation method and use thereof. The chimeric or mixed antigen of the present application comprises three immunogens: (1) a monkeypox virus A35R protein or an antigenic fragment thereof (or a peptide fragment derived therefrom), (2) a monkeypox virus M1R protein or an antigenic fragment thereof (or a peptide fragment derived therefrom), and (3) a monkeypox virus B6R protein or an antigenic fragment thereof (or a peptide fragment derived therefrom), and can elicit an immune response against two types of infectious virus particles, namely intracellular mature virus particles (IMV) and extracellular envelope virus particles (EEV), thereby efficiently inducing specific immunoprotective effects against the monkeypox virus. Moreover, the poxvirus vaccine of the present application features good safety, rapid response, and scalable production capacity, thus showing excellent clinical application prospects.

21: 2025/05628. 22: 2025/07/02. 43: 2026/02/18
51: A61K
71: Changsha gu'ao Biotechnology Co., Ltd
72: ZHAN, Yonggong, GAO, Jianjun
54: SOD ORAL LOZENGE AND PREPARATION METHOD THEREOF
00: -
Disclosed are a superoxide dismutase (SOD) oral lozenge and a preparation method thereof. The lozenge includes SOD, blueberry powder, and food additives. Each gram of the oral lozenge contains 14,000-45,000 units (U) of active SOD; the food additives are stearic acid, hydroxyproline, and pectin; and a mass ratio of the SOD to the blueberry powder is (5-6):10. When the oral lozenge is taken, SOD remains stable in acidic environments with lasting efficacy under the protection of blueberry anthocyanins. The synergistic action of the hydroxyproline, the pectin, and the stearic acid significantly enhances rapid dissolution of the lozenge, shortening disintegration time of the lozenge. This allows the lozenge to dissolve quickly in the oral cavity, SOD powder is extracted from corn, and the cost of the SOD powder is greatly reduced while the activity is retained to the greatest extent.

21: 2025/05629. 22: 2025/07/02. 43: 2026/02/18
51: A01M
71: MOUNT TAISHAN FOREST FARM, TAI'AN CITY
72: MA, Shencheng, SUN, Yunwen, ZHANG, Zhaoxia
54: FORESTRY PEST AND DISEASE CONTROL BOX
00: -
The invention relates to forestry pest and disease control, specifically a control box comprising an L-shaped support frame fixedly fitted with a pest control grid. One end of the frame is connected to a positioning rod with a cleaning component at the top and a pest-attracting component at the bottom,

including a connecting block. A stepper motor controls a scraper in forward and reverse rotation to clean pests adhering to both sides of the pest control grid, preventing blockage and maintaining efficiency. The pest-attracting component integrates a lamp and attractant to effectively draw pests into the device. The connecting block allows easy disassembly of the pest-attracting lamp and facilitates quick replacement of the attractant within the box. This design ensures straightforward maintenance, reduces downtime, and enhances operational convenience, making the device suitable for efficient and sustained control of forestry pests in various environments.

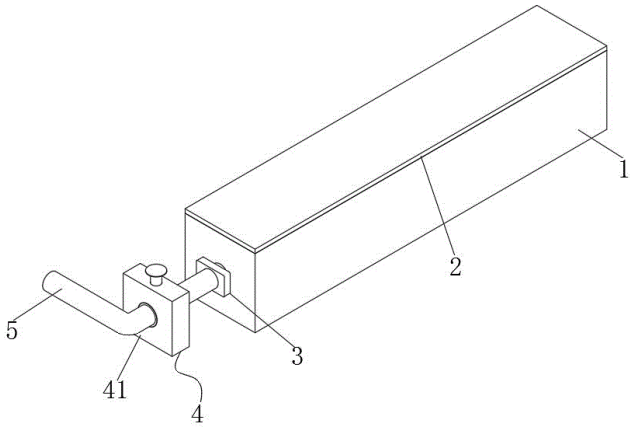


21: 2025/05630. 22: 2025/07/02. 43: 2026/02/18
51: A01G
71: Qingdao University
72: Haili Zhang, Jie Luo, Zongshan Zhao, Chi Zhang, Hui Xue, Wei Wang, Fanxin Meng, Qin Zhou, Mir Muhammad Nizamani, Muhammad Awais

54: AN URBAN ECOLOGICAL GREENWAY PLANT DIVERSITY CULTIVATION DEVICE

00: -

The invention discloses an urban ecological greenway plant diversity cultivation device, which belongs to the technical field of greenway plant cultivation. The device comprises a cultivation shell, and a plurality of lifting mechanisms are arranged inside the cultivation shell. The invention is equipped with a protection component. A movable shield is arranged along the nutrient solution delivery pipe. When the shield moves to fit against the side wall of the cultivation shell, the mounting cylinder is rotated by applying force. The rotation of the mounting cylinder drives the built-in threaded ring to thread onto the fixed screw rod, thereby allowing the indicator disk to be installed above the shield. The shield provides protective operation for the electromagnetic valve. When the cultivation shell, electromagnetic valve, and nutrient solution delivery pipe are subsequently buried underground, the indicator disk is exposed on the surface. The indicator disk serves to alert future construction personnel to the location of the electromagnetic valve and nutrient solution delivery pipe, thereby preventing accidental contact during construction and avoiding damage to the electromagnetic valve and nutrient solution delivery pipe.



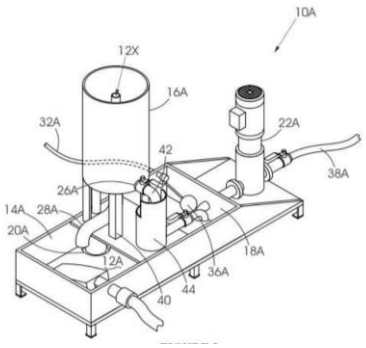
21: 2025/05635. 22: 2025/07/02. 43: 2026/02/18
51: A01G
71: KORREL KUNS (PTY) LTD
72: Nel, Theunis Jacobus
33: ZA 31: 2024/02573 32: 2024-04-03

54: APPARATUS FOR DELIVERING AN ADDITIVE TO AN IRRIGATION SYSTEM

00: -

An apparatus for and a method of delivering an additive at a predetermined flow rate to an irrigation system, the apparatus including a source of an additive, a header tank for receiving the additive, a first pump for delivering a supply of the additive from the source to the header tank, a mixing vessel, an overflow outlet from the header tank for discharging excess additive from the header tank back to the

source, so that the additive in the header tank establishes a constant head, or gravity pressure, a dispensing outlet from the header tank through which, under the action of the constant head, the additive is dispensed at a constant predetermined rate into a mixing vessel, for mixing with water to form a mixture, and a second pump for pumping the mixture at a predetermined rate to the irrigation system.

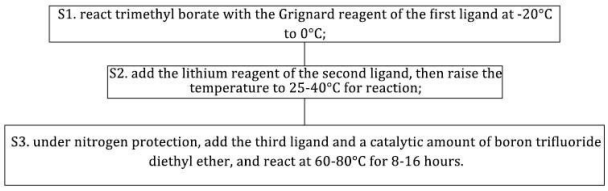


21: 2025/05636. 22: 2025/07/02. 43: 2026/03/16
51: C07F
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: LI, Pengfei, HUANG, Yinhe, TIAN, Yongguo, FAN, Ruilu, LIU, Huayu, REN, Haibo, ZHANG, Yanbing

54: ORGANOBORON COMPLEX AND ITS PREPARATION METHOD AND APPLICATION

00: -

The present invention relates to an organoboron complex, its preparation method, and applications in the technical field of organoboron complexes. The complex features a tetracoordinated boron atom bonded covalently to two organic ligands and coordinated with a bidentate nitrogen-containing heterocyclic ligand. The first ligand is a 9-substituted anthracenyl group, covalently bonded to boron at position 10, with position 9 linked to a nitrogen-containing electron-donating group via a carbon-carbon triple bond. The second ligand is a phenyl derivative containing at least two fluorine atoms, covalently bonded to boron. The third ligand, comprising a benzimidazole group, forms coordinate bonds with boron through its two nitrogen atoms. The inventive structure delivers enhanced thermal stability and superior material performance. An optimized synthesis method, employing mild reaction conditions, eliminates ultra-low temperature requirements, significantly reduces energy consumption, and increases efficiency. Catalytic ligand exchange further boosts yield, minimizes waste, and reduces production time, markedly improving overall process efficiency

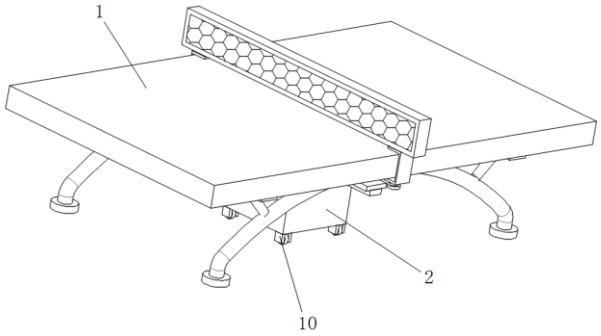


21: 2025/05638. 22: 2025/07/02. 43: 2026/02/18
51: A47L; A63B
71: CHAOHU UNIVERSITY
72: TANG, Zhaoping

54: AUTOMATIC SWEAT WIPING DEVICE FOR TABLE TENNIS TABLE

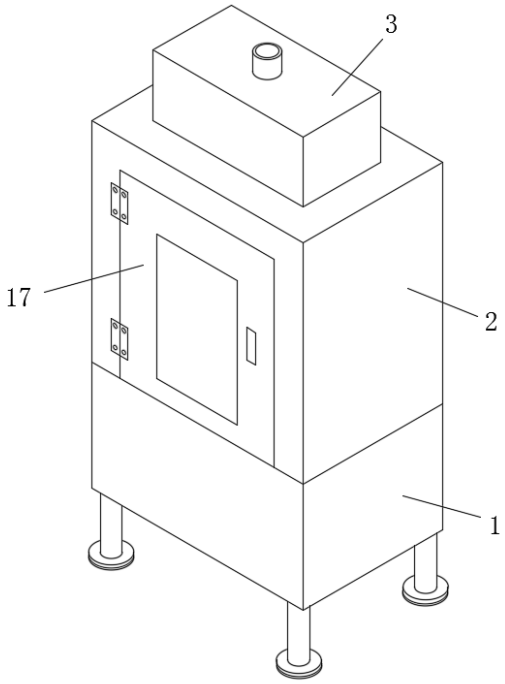
00: -

The present invention discloses an automatic sweat wiping device for a table tennis table, belonging to the field of table tennis table maintenance. The device comprises a table tennis table body and a moving box located beneath it. A lifting mechanism is arranged inside the moving box, with a groove at the top housing a driving motor. Through coordinated operation of the driving motor, rotating shaft, and horizontal plate, wiping cotton mounted on the mechanism performs a back-and-forth horizontal motion to remove sweat from the table surface. Additionally, a ventilation pipe system with a rotating motor, fan blades, and heating resistance wire delivers hot air onto the tabletop, accelerating drying after wiping. This dual-function system ensures effective cleaning and rapid drying, enhancing usability and safety during gameplay. The invention addresses existing challenges in maintaining dry playing surfaces and offers an efficient, automated solution suitable for indoor sports facilities and professional environments.



21: 2025/05639. 22: 2025/07/02. 43: 2026/02/18
51: B24B
71: XINYU UNIVERSITY
72: FU Jianhong
54: COOLING AND POLISHING DEVICE FOR MECHANICAL PARTS PROCESSING
00: -

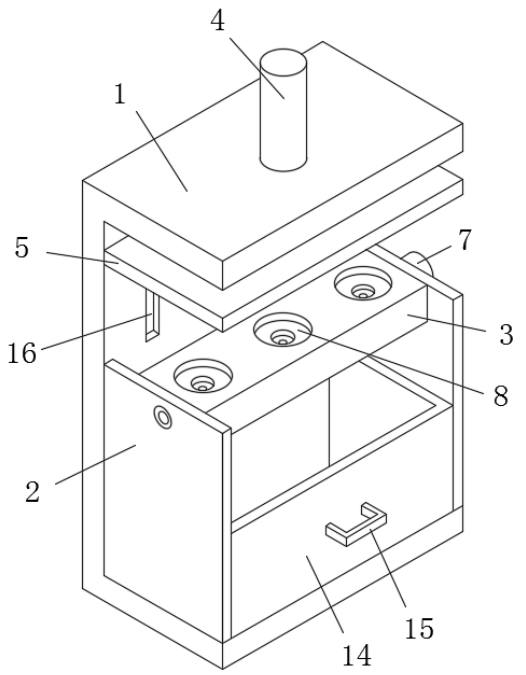
The present invention relates to the field of mechanical parts processing and discloses a cooling and polishing device for machining operations. The device includes a lower water tank supporting a processing box, with an upper water tank mounted above. A circulation component positioned on the side of the processing box enables efficient coolant recirculation, enhancing water resource utilization. A chassis mounted at the top of the processing box houses an adjusting component that drives the polishing machine laterally to increase the effective polishing area. A synchronized water outlet ensures targeted coolant delivery aligned with the polishing tool. An electric push rod adjusts the vertical position of the polishing machine, improving operational flexibility and user convenience. A dedicated cooling component cools mechanical parts during polishing to avoid overheating and improve finish quality. This integrated system enhances the precision, efficiency, and sustainability of polishing mechanical parts, making it suitable for advanced manufacturing



21: 2025/05640. 22: 2025/07/02. 43: 2026/02/18
51: B29C
71: JINZHONG UNIVERSITY, JZU
72: WEI, Xiaoqin, LIU, Peng, LIANG, Ruirui, MIN, Jiongtian, CHAI, Zhaoxia
54: MATERIAL SHAPING DEVICE FOR MOLECULAR MAGNETIC MATERIALS PREPARATION
00: -

The present invention relates to the field of material shaping devices and discloses a shaping apparatus for the preparation of molecular magnetic materials. The device comprises a workbench with fixed plates on both sides, between which a lower template is positioned. An electric push rod is embedded within the workbench, with its telescopic end connected to a movable plate that carries an upper template. During operation, the electric push rod drives the movable plate downward, allowing the upper and lower templates to cooperate and rapidly shape the magnetic material. A lifting component enables efficient demolding of the shaped material, enhancing processing speed. Additionally, a flipping motor drives the lower template to rotate, facilitating the quick unloading of the formed product. This design improves shaping precision, demolding convenience, and overall operational efficiency, making it well-suited for the structured production of

magnetic materials in laboratory or industrial preparation contexts.



21: 2025/05641. 22: 2025/07/02. 43: 2026/02/18
51: H01L
71: HUAINAN NORMAL UNIVERSITY
72: LIU, Yong, ZHANG, Xian, ZHANG, Ke, WANG, Zifeng

54: SOLAR CELL MODULE CONVENIENT FOR ASSEMBLING

00: -

The present invention discloses a solar cell module convenient for assembly, comprising a fixing frame designed to facilitate quick installation and secure positioning of solar panels. A lock housing is slidably connected to the inner wall at the top of one side of the fixing frame. A pin body, connected to a spring and actuated by a button, is installed within the lock housing, with steel balls positioned at each end to assist in guided engagement. This assembly mechanism enables precise positioning of solar modules, maintaining panel flatness and consistency, thereby enhancing power generation efficiency. The modular design allows for rapid installation, reduced labor and material costs, and simplified disassembly and maintenance. The integration of mechanical locking components ensures secure yet easily releasable connections, making the device ideal for scalable photovoltaic installations where both efficiency and ease of maintenance are critical.

21: 2025/05653. 22: 2025/07/02. 43: 2026/02/18
51: F16L
71: RIFENG ENTERPRISE (FOSHAN) CO., LTD., RIFENG ENTERPRISE GROUP CO., LTD., RIFENG TECHNOLOGY CO., LTD.
72: DIAO, Zhenbin, LIN, Xiyong, LI, Ximin, QIU, Banglong, HE, Wangzhi
33: CN 31: 202223551282.3 32: 2022-12-28
33: CN 31: 202321202127.2 32: 2023-05-17

54: WELDED QUICK-CONNECT FITTING, PIPING SYSTEM, AND PIPELINE CONNECTION METHOD

00: -

A welded quick connect fitting, comprising at least one connector assembly. The connector assembly comprises an inner pipe (130) and a housing assembly; the housing assembly comprises a pipe base (110) and a pipe sleeve (120); the pipe base is provided with a first stepped end (111), and the first stepped end is used for being connected to the pipe sleeve; the pipe sleeve is provided with a second stepped end (121); the first stepped end is provided with a first end surface (112), a third end surface (119), a first outer circular surface (113), and a second outer circular surface (114) lower than the first outer circular surface; the second stepped end is provided with a second end surface (122), a fourth end surface (128), a first inner circular surface (123), and a second inner circular surface (124) lower than the first inner circular surface; outer protrusions (116) are provided on the second outer circular surface, and the outer protrusions are pressed into the second inner circular surface; a gap exists between the first outer circular surface and the first inner circular surface to form a first overflow groove (126), and a gap exists between the second outer circular surface and the second inner circular surface to form a second overflow groove (127); the first outer circular surface and the second inner circular surface are welded in an interference fit area (129), and the first end surface and the second end surface abut against each other after welding. Provided is a piping system, comprising the welded quick connect fitting. Provided is a pipeline connection method, comprising using the welded quick connect fitting to connect pipes, and inserting the pipes between the inner pipe and the housing

assembly. According to the welded quick connect fitting, the welding slag in the welding process can fall into the overflow grooves, thereby improving the welding quality and making the welding more convenient and attractive.

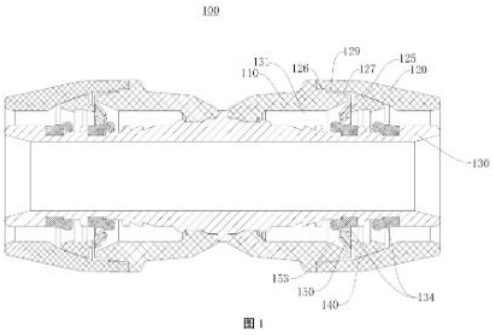
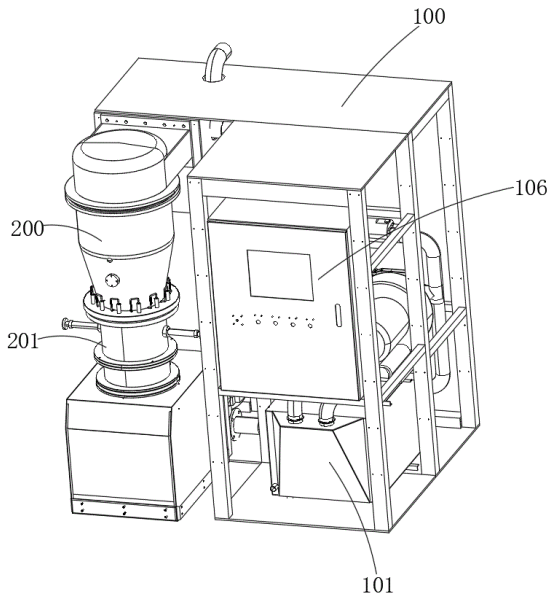


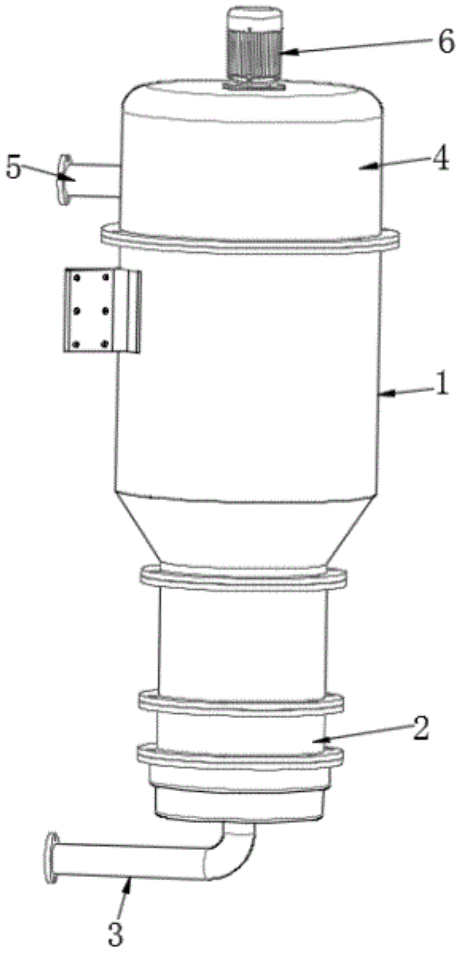
图1

21: 2025/05661. 22: 2025/07/03. 43: 2026/02/18
51: A01H
71: INSTITUTE OF NANFAN & SEED INDUSTRY, GUANGDONG ACADEMY OF SCIENCES
72: CHANG, Hailong, QIN, Yuanxia, CEHNG, Yinjie, WANG, Jianqiang, ZHANG, Wei, WU, Qingdan, LIANG, Qinggan, WANG, Qinnan
54: METHOD FOR LOW-TEMPERATURE STORAGE OF SUGARCANE POLLEN
00: -
The present application provides a method for low-temperature storage of sugarcane pollen, meeting the requirements of different storage time periods for sugarcane pollen by adjusting the water content of fresh sugarcane pollen, including the following steps: (1) reducing the water content of fresh sugarcane pollen to 25%-30% and storing at 0℃ for 1-5 d, and (2) reducing the water content of fresh sugarcane pollen to about 15%-20% and storing at -20℃ for 5-30 d. The present application can prolong the viability time of sugarcane pollen, solve the problem that the flowering period of sugarcane parents is not met, overcome the time and space limitations in sugarcane hybrid breeding, improve breeding efficiency, provide convenience for germplasm exchange between regions and even internationally, and have the advantages of flexible storage of sugarcane pollen, reliable technology, low cost, safe operation, good effect and the like.

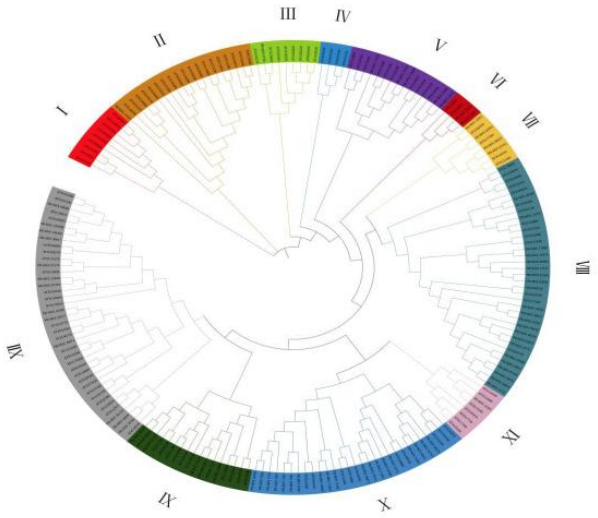
21: 2025/05662. 22: 2025/07/03. 43: 2026/02/18
51: B22F
71: Hefei Jiuzhou Times Metal Materials Technology Co., Ltd.
72: Zheng Mei
54: METAL POWDER FLOW GRANULATION DEVICE CAPABLE OF PREVENTING POWDER LEAKAGE AND DISPERSION
00: -
The present invention relates to the technical field of metal powder granulation, and specifically to a metal powder flow granulation device capable of preventing powder leakage and dispersion. A frame is included, a working cylinder is fixedly connected to an interior of the frame, a barrel is arranged in the frame, and a barrel connecting plate is fixedly connected to a top of the barrel; a working cylinder connecting plate connected to the barrel connecting plate is fixedly connected to a bottom of the working cylinder, a sealing groove is disposed at a top of the barrel connecting plate, a sealing ring adapted to the sealing groove is fixedly connected to a bottom of the working cylinder connecting plate, an outer surface of the working cylinder connecting plate is evenly disposed with compensating assemblies for inflating the sealing ring, and the top of the barrel connecting plate is fixedly connected to driving assemblies for driving the compensating assemblies to start; and the interior of the frame is fixedly connected to two fans. By the mutual cooperation of the sealing ring and the sealing groove, the connection sealing between the barrel connecting plate and the working cylinder connecting plate can be improved, and the expansion degree of the sealing ring can be compensated in time under the cooperation of the compensating assemblies to improve the sealing.



21: 2025/05663. 22: 2025/07/03. 43: 2026/02/18
51: B22F
71: Hefei Jiuzhou Times Metal Materials Technology Co., Ltd.
72: Zheng Mei
54: DEVICE FOR GRANULATING METAL POWDER BY FLOW PRESSING AND GRANULATION METHOD THEREOF
00: -
The present invention provides a device for granulating metal powder by flow pressing and a granulation method therefor, falling within the technical field of metal powder processing. In the present invention, a metal powder recycling mechanism can grind and remove metal powder adhered to an inner wall of a primary granulation cylinder, and make the metal powder formed by grinding smaller particles, thereby achieving the effect of cleaning the primary granulation cylinder and facilitating the subsequent collection of the cleaned metal powder; and a granulating assembly and a negative pressure fan achieve the effect of sucking the metal powder formed by grinding into a grinding cylinder by suction force, and guide the metal powder particles into a bearing cylinder by using the flow direction of airflow to complete the collection of the metal powder generated by cleaning.



21: 2025/05664. 22: 2025/07/03. 43: 2026/02/18
51: C07K
71: WUWEI ACAD OF FORESTRY SCIENCES
72: Jin Na, Zhang Jun, He Cai, Chang Xuanxuan, Ye Fang, Liu Wei, Gao Shengchun, Ren Dequan
33: CN 31: 2025107479195 32: 2025-06-06
54: NAC TRANSCRIPTION FACTOR FAMILY MOTIF OF ATRAPHAXIS BRACTEATA AND ITS APPLICATION
00: -
A Atraphaxis bracteata NAC transcription factor family motif, wherein the amino acid sequence is DDTIFVTKKNVNEQNHGVEPSENSAPPLNICQGGE ISNFVQEPTNNYETD. The present application also provides the use of the motif in Atraphaxis bracteata identification, Atraphaxis bracteata NAC transcription factor structural and functional analysis, and in evolutionary studies of plants of the genus Atraphaxis in the family Polygonaceae.

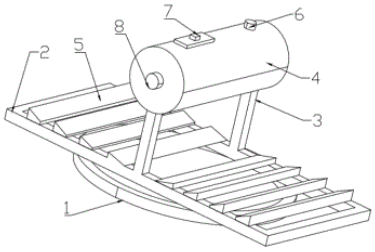


21: 2025/05665. 22: 2025/07/03. 43: 2026/02/18
51: C10B
71: Henan University of Urban Construction
72: SONG, Yanping, CHEN, Honglin, LI, Xudong, JIE, Moran, CAO, Siran
33: CN 31: 202510194951.5 32: 2025-02-21

54: A SOLAR BIOMASS CARBONIZATION DEVICE BASED ON FRESNEL CONCENTRATION

00: -

This invention introduces a solar biomass carbonization device utilizing Fresnel focusing, which is part of the carbonization furnace technology. The device includes a bottom rotating platform, with an installation bracket at the top of the platform. The bracket supports the carbonization furnace bracket and several Fresnel focusing mirrors. The carbonization furnace is mounted on the upper part of the bracket, and these mirrors are positioned on either side of the furnace. These mirrors focus sunlight onto the furnace, providing the necessary heat for the carbonization reaction with minimal energy consumption. The bottom rotating platform is electrically connected to a controller.

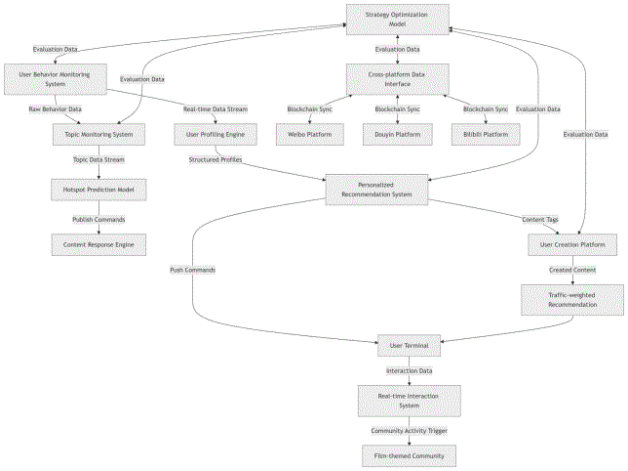


21: 2025/05666. 22: 2025/07/03. 43: 2026/02/18
51: G06F
71: Ningbo University of Finance and Economics
72: Lin Zheng

54: SOCIAL MEDIA-BASED TELECINE CULTURE DISSEMINATION STRATEGY

00: -

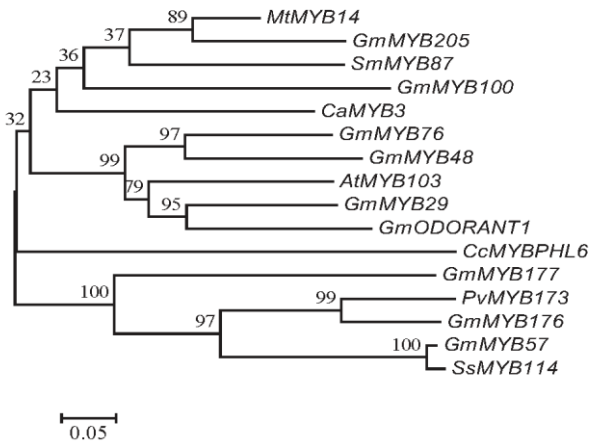
The present invention provides a social media based telecine culture dissemination strategy, to address the core problems of user portrait surfacing, dissemination uni-directional inefficiency and cross-platform collaboration lack in the prior art, a complete technical architecture comprising a behavior monitoring system, a portrait analysis engine, a recommendation system, an authoring platform, a topic monitoring module, a cross-platform interface, a real-time interaction system and a policy optimization model is constructed. Specifically generating multi-dimensional user portrait by merging cross-platform behavior data through machine learning algorithm, achieving telecine multi-tag content precision push based on collaborative filtering; deploying an authoring toolchain with an integration incentivization hierarchy drives UGC content fission; apply NLP topic prediction model to automatically trigger customized content responses; enabling linkage activities with blockchain cross-platform data synchronization; integrating curtain voting with smart service enhanced interactive experience; the propagation parameters are finally dynamically optimized by the reinforcement learning model.



21: 2025/05667. 22: 2025/07/03. 43: 2026/02/18
51: C02F
71: LINZHI AGRICULTURAL RECLAMATION GAMA AGRICULTURE CO.LTD
72: LUO, Mingfei, ZHANG, Minghui, SUN, Caiyun, ZHU, Chunhua, NI, Mawangdui, DENG, Yuewen, LI, Haiyan, CAI, Wang, MI, Madunzhu, CI, Wangzhandui
33: CN 31: 202510774828.0 32: 2025-06-06
54: IN-SITU ECOLOGICAL TREATMENT METHOD FOR RECYCLING TAIL WATER FROM SHRIMP FARMING AND APPLICATION THEREOF
00: -
Disclosed are an in-situ ecological treatment method for recycling tail water from shrimp farming and application thereof, which relate to the technical field of aquaculture wastewater treatment. In the present invention, the method includes the following steps: after removing miscellaneous shrimps from a farming water body, applying quicklime in conjunction with dragging an iron chain along the bottom and then adding a composite treating agent; inoculating rotifers and supplementing minerals; and conducting water quality verification. The composite treating agent includes EM bacterial solution, marine chlorella stock solution, and a carbon source. This method realizes a farming mode that enables the in-situ ecological treatment of tail water from shrimp farming and zero-discharge. It features a short treatment cycle and a high survival rate of shrimp farming, and eliminates a need for new treatment facilities. Additionally, beneficial bacterial and algal communities as well as nutritive elements can be retained.



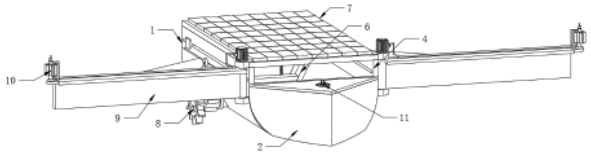
21: 2025/05669. 22: 2025/07/03. 43: 2026/02/18
51: C07K; C12N
71: GUANGXI BOTANICAL GARDEN OF MEDICINAL PLANTS
72: Shuangshuang, QIN, Ying, LIANG, Fan, WEI, Guili, WEI, Yueying, XIE, Ying, LI
54: SSMYB114 GENE OF MYB TRANSCRIPTION FACTOR IN SPATHOLOBUS SUBERECTUS DUNN AND APPLICATION THEREOF
00: -
Disclosed are an SsMYB114 gene of an MYB transcription factor in Spatholobus suberectus Dunn and application thereof, the SsMYB114 gene is obtained from the Spatholobus suberectus Dunn for the first time and has one of the following nucleotide sequences: 1) having a sequence as shown in SEQ ID NO. 1; and 2) having a DNA sequence that hybridizes with the cDNA sequence of SEQ ID NO. 1 and has an active protein of the MYB transcription factor in Spatholobus suberectus Dunn. Results showed that the SsMYB114 gene is expressed in roots, stems, leaves, flowers, and fruits, with a highest expression level observed in the stems. The SsMYB114 gene provided in the present disclosure can be widely applied to increase a content of catechin in plants and has a good application prospect in regulating the biosynthesis of active ingredients of medicinal plants.



21: 2025/05670. 22: 2025/07/03. 43: 2026/02/09
51: A61K; C07K; C12N; A61P
71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., SHANGHAI HENLIUS BIOLOGICS CO., LTD.
72: XUE, Jie, XU, Wenfeng, ISSAFRAS, Hassan, JIANG, Wei-Dong, LIN, Pei-Hua
33: CN 31: PCT/CN2022/143510 32: 2022-12-29
54: ANTI-PDL1 ANTIBODIES AND METHODS OF USE
00: -
Provided are antibodies and antibody derivatives that bind to PDL1 and methods of using the same. The antibody or antibody derivative comprises a single domain antibody that binds to PDL1.

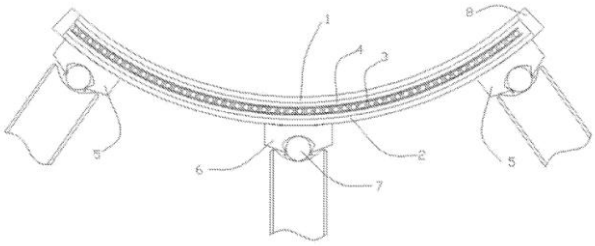
21: 2025/05672. 22: 2025/07/03. 43: 2026/02/10
51: A61K; C07K; C12N; G01N; A61P
71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., SHANGHAI HENLIUS BIOLOGICS CO., LTD.
72: CHEN, Yu-Syaun, XIONG, Shengen, SONG, Ge, SHAN, Yongqiang, XUE, Jie, XU, Wenfeng, JIANG, Wei-Dong, LIN, Pei-Hua, ISSAFRAS, Hassan
33: CN 31: PCT/CN2022/143506 32: 2022-12-29
54: ANTI-PDL1/VEGF ANTIBODIES AND METHODS OF USE
00: -
Provided is an antibody or an antibody derivative that bind to PDL1 and methods of using the same. The antibody or antibody derivative disclosed herein comprises a single domain antibody that binds to PDL1. Also the antibody derivative can be a multispecific antibody that binds to PDL1 and VEGF.

21: 2025/05674. 22: 2025/07/03. 43: 2026/02/18
51: C02F
71: Wuhu Institute of Technology
72: HUA, Fei, ZHANG, Zhongliang, TANG, Yingzhao, CHEN, Dan, HE, Yuqi, XING, Beibei, CHA, Shuping, YAO, Ruoyun, CHEN, Yuting, YU, Xiaohang, KUSUMA, DWINITA ASTY
33: CN 31: 202510003009.6 32: 2025-01-02
54: AN UNMANNED BOAT FOR WATER POLLUTION CONTROL
00: -
The present invention discloses an unmanned boat for water pollution treatment, relating to the technical field of wastewater management. The system comprises an unmanned boat body, with an unmanned boat head arranged on one side of the body. A hatch is arranged at the stern of the unmanned boat body, and a drainage mechanism is provided on one side of the stern. A cleaning mechanism is installed inside the unmanned boat body. A photovoltaic panel is arranged on the top of the unmanned boat body. Drive mechanisms are provided on both sides of the unmanned boat body, and a flow-guiding mechanism is arranged on one side of the unmanned boat head. A collision-prevention mechanism is arranged on one side of the flow-guiding mechanism. A detection mechanism is provided inside the unmanned boat head. This unmanned boat for water pollution treatment can, when the triggering component in the collision-prevention mechanism is deflected upon impact and connects the conductive structure, activate a motor to drive the deflection and retraction of the flow-guiding component, thereby preventing damage from collisions. Furthermore, the water quality detection instrument and the probe cleaning component are used to detect the water quality of the water body, which greatly enhances the practicality of the device.



21: 2025/05675. 22: 2025/07/03. 43: 2026/02/18
51: B65G
71: LIBO HEAVY INDUSTRIES SCIENCE & TECHNOLOGY CO., LTD., LIBO INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE (SHANDONG) CO., LTD.

72: ZHANG, Yuan, ZHOU, Manshan, WANG, Zhengtao, LIU, Jinshan, LIU, Jiankun, CHANG, Xin
33: CN 31: 202211556174.7 32: 2022-12-06
54: CONVEYOR BELT AND STEEL WIRE ROPE TRACTION BELT CONVEYOR COMPRISING SAME
00: -
A conveyor belt, relating to the technical field of belt conveyors. The conveyor belt comprises an upper cover layer (1), a lower cover layer (2), and a supporting layer provided between the upper cover layer (1) and the lower cover layer (2); the supporting layer comprises a supporting framework (3) and a filler material (4); and the filler material (4) is filled in the supporting framework (3). The filler material (4) is used as a core rubber. The upper cover layer (1), the lower cover layer (2), the supporting framework (3), the core rubber layer, and edge rubbers (8) that are provided on the left and right sides of the conveyor belt and used for edge sealing are vulcanized to be integrated, thus improving the longitudinal tear resistance of the conveyor belt, and enhancing the transverse tear resistance to a certain extent. Further provided is a steel wire rope traction belt conveyor. The described conveyor belt prolongs the service life of the steel wire rope traction belt conveyor and widens the application range of the steel wire rope traction belt conveyor, and is particularly suitable for application in long-distance conveyance.

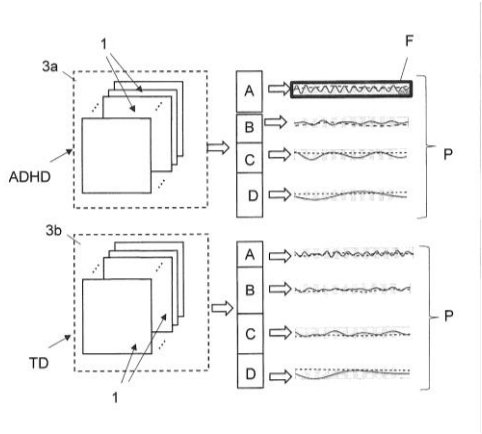


21: 2025/05677. 22: 2025/07/03. 43: 2026/02/10
51: A61K; C07K; C12N; A61P
71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., SHANGHAI HENLIUS BIOLOGICS CO., LTD.
72: BARAL, Toya, CHANG, Jen-Kuan, MUDA, Marco, XU, Wenfeng, JIANG, Wei-Dong, XUE, Jie, LIN, Pei-Hua, ISSAFRAS, Hassan
33: CN 31: PCT/CN2022/143518 32: 2022-12-29
54: ANTI-PDL1 ANTIBODIES, MULTISPECIFIC ANTIBODIES AND METHODS OF USE
00: -
Provided is a multispecific antibody that binds to PDL1 and CD47, useful for treating or preventing cancer. The multispecific antibody comprises a first antigen-binding moiety comprising a single domain anti-PDLI antibody and a second antigen-binding moiety comprising an anti-CD47 antibody.

21: 2025/05683. 22: 2025/07/03. 43: 2026/02/10
51: A61K; C07K; C12N; C12P; A61P
71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., SHANGHAI HENLIUS BIOLOGICS CO., LTD.
72: BARAL, Toya, XU, Wenfeng
33: CN 31: PCT/CN2022/143504 32: 2022-12-29
54: ANTI-CD47 ANTIBODIES AND METHODS OF USE
00: -
Provided are antibodies and antibody derivatives that bind to CD47(also known as IAP, MER6 and OA3) and methods of using the same. In certain embodiments, an anti-CD47 antibody or antibody derivate disclosed herein exhibits reduced binding to a red blood cell.

21: 2025/05699. 22: 2025/07/03. 43: 2026/02/18
51: A61B
71: NEWMANBRAIN, S.L.
72: IBAÑEZ BALLESTEROS, Joaquin, MOLINA RODRIGUEZ, Sergio, BELMONTE MARTINEZ, Carlos
33: EP 31: 22383301.3 32: 2022-12-28
54: COMPUTER IMPLEMENTED METHOD FOR SELECTING FUNCTIONAL BIOMARKERS TO IDENTIFY A TARGET CONDITION IN A SUBJECT
00: -
Computer implemented method for selecting functional biomarkers (F) to identify a target condition (ADHD) in a subject, the method comprising the steps of: obtaining groups of equivalent physiological signals (1) generated during a stimulation (S), comprising a first group (3a) of physiological signals (1) from subjects presenting the target condition (ADHD), and a second group (3b) of physiological signals from subjects of control condition (TD), not presenting the target condition; identifying at least one frequency sub-band for each group of physiological signals; obtaining per each of the at least one identified frequency sub-band at least a corresponding pattern (P); and selecting the

one or more patterns (P) having similarity values (d) to the physiological signals of each group that differentiate the groups of physiological signals as functional biomarkers (F). The functional biomarkers (F) can be used for training a classifier (CL) for identifying the target condition in a subject.

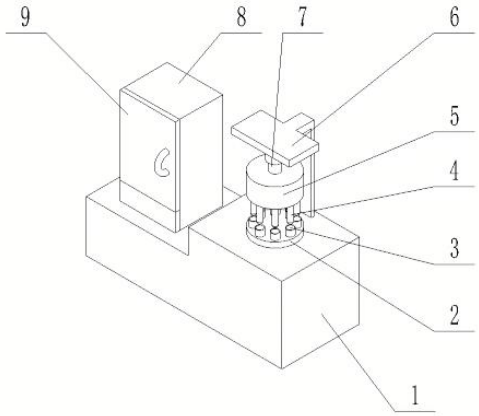


21: 2025/05708. 22: 2025/07/04. 43: 2026/02/18
51: C12M
71: Shandong Agriculture And Engineering University, Shandong Feicheng Modern Agriculture Development Co., ltd., Xinghui (Shandong) Agricultural Development Company Limited, Shandong Feicheng Modern Fruit Industry Co., ltd.
72: LIU Jin, ZOU Hui, SUN Xiaoming, YANG Yaling, HAN Xu, ZHENG Yuanqin, DU Xingwei, SUN Yuyong

54: RAPID GENOTYPING DEVICE FOR PEACH GERMPLASM RESOURCE MOLECULAR MARKERS

00: -

This invention discloses a rapid genotyping device for peach germplasm resource molecular markers, which pertains to the field of molecular detection technology. The device includes an experimental bench, on which a fresh-keeping box is placed. A bracket is fixed on one side of the fresh-keeping box and connected to the experimental bench. A housing is installed on the bracket and can move vertically. A driving assembly is installed inside the housing, and a grinding assembly is arranged below the housing, and the grinding assembly is fixed to the experimental bench. A fresh-keeping assembly is installed inside the fresh-keeping box. By integrating the fresh-keeping box, bracket, grinding assembly, and driving assembly, the invention constructs an integrated experimental platform. The housing can be lifted to realize the automatic control of the grinding module, and the fresh-keeping assembly can keep fresh multiple groups of leaves or young fruits at the same time, and the grinding assembly can grind multiple groups of samples at the same time, which greatly improves the working efficiency.



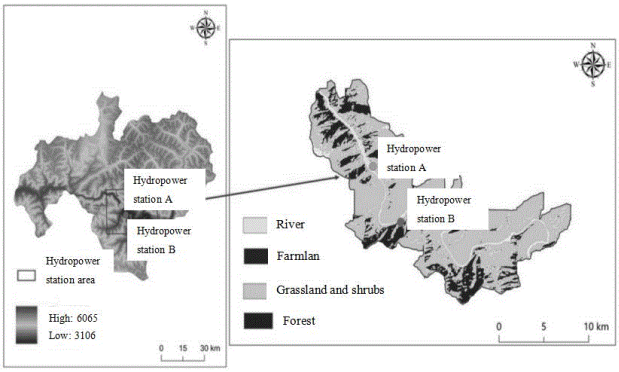
21: 2025/05709. 22: 2025/07/04. 43: 2026/02/18
51: A01G
71: CHENGDU UNIVERSITY OF TECHNOLOGY, Huaneng Xizang the Yarlung Zangbo River Hydropower Development Investment Co., Ltd, Tianfu Yongxing Laboratory
72: TANG Xiaolu, LEI Junjie, LIU Feng, OUYANG Haijun, ZHANG Yuan, LI Gaofeng, CHEN Guo, LI Jingji

54: METHOD FOR MONITORING GROSS PRIMARY PRODUCTIVITY OF VEGETATION BASED ON DOWNSCALING AND MULTI-SOURCE REMOTE SENSING DATA

00: -

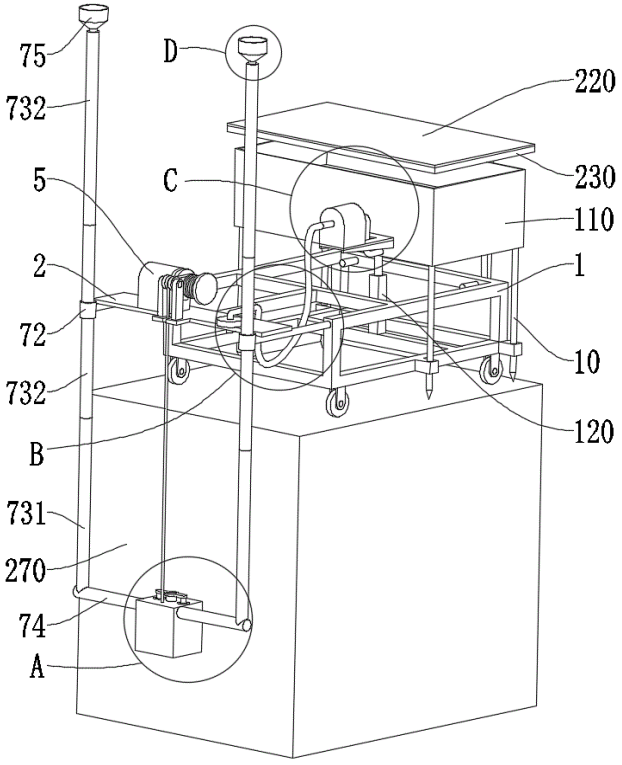
The invention discloses a method for monitoring gross primary productivity (GPP) of vegetation based on downscaling and multi-source remote sensing data, belonging to the field of remote sensing image processing. In order to accurately monitor GPP changes at an engineering scale, the method includes: acquiring multi-source remote sensing data of a first resolution, and performing downscaling by using a CNN (an input layer includes DEM data and LUCC data, and dynamically adjusts background weight in a loss function through a binarized mask of LUCC data); simulating GPP by adopting a CASA method, and generating a multi-year GPP dataset of a target area (a maximum light use efficiency is determined by a vegetation type); analysing spatio-temporal variation characteristics of GPP through a Theil-Sen slope estimation method, etc.; and

extracting an environmental factor driving map by using a principal component analysis method and a partial correlation method.



21: 2025/05712. 22: 2025/07/04. 43: 2026/02/18
51: C22C
71: Wuhan Polytechnic University
72: MA, Yuxi, ZHANG, Jiaqi, XU, Hao, LU, Bin, LI, Jialiang, ZHANG, Ke, FAN, Tiqiang, REN, Chijin, WU, Qiang
54: HIGH-STRENGTH AND HIGH-WEATHERING STEEL AND MANUFACTURING METHOD THEREOF
00: -
1) The invention adopts the composition design with low C and N content, and regulates the C content based on the linkage relationship between Ti content and Cr content, so as to effectively inhibit the problems such as the precipitation of Cr nitride along grain boundaries, obviously improve the strength and toughness of the steel base, enhance the corrosion resistance of the steel base, and provide a new idea for the preparation of low-cost high-strength and toughness weather-resistant steel; 2) The process involved in the invention is simple, controllable and low in cost, and is suitable for popularization and application.

21: 2025/05713. 22: 2025/07/04. 43: 2026/02/25
51: E21B; G01N
71: Langfang integrated Natural Resources Survey Center, China Geological Survey, China University of Geosciences
72: MA,Yongjun, SU,Yuan, LIU,Weitao, SHEN,Yangchun, GAO,Xubo, ZHOU,Fangyuan, LI,Jiangtao
33: CN 31: 202411796842.2 32: 2024-12-09
54: DEVICE FOR ACOUSTIC SURVEY OF SOIL PROFILE
00: -
A device for acoustic survey of a soil profile includes a vehicle body, a supporting part, a first drive assembly, a shielding container, a second drive assembly and an acoustic logging instrument. The supporting part is slidably connected to the vehicle body. The first drive assembly is arranged on the vehicle body and is configured to drive the supporting part to slide. The shielding container is connected to the supporting part and is capable of lifting, and the shielding container has an opening end. The second drive assembly is arranged on the supporting part and is configured to drive the shielding container to move up and down. A probe of the acoustic logging instrument is located in the shielding container and is connected to the shielding container. The device for acoustic survey of a soil profile provided in the present application can solve the problem of the lack of a commercial device available for acoustic survey of a soil profile.

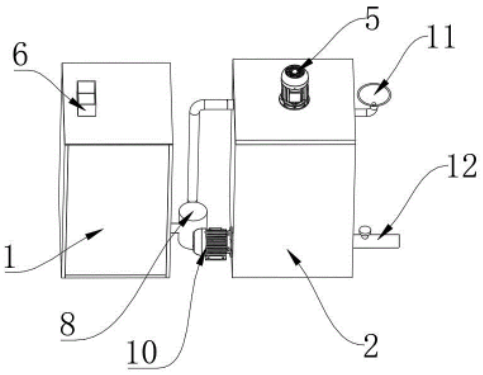


21: 2025/05715. 22: 2025/07/04. 43: 2026/02/18
51: B01D
71: Henan University of Urban Construction
72: JIANG Zhongfeng, DONG Wenchao, LIU Kai, WANG Yong, LIANG Feng, LIU Tai, LI Xiaohui, WANG Zhongyi

54: SEWAGE PURIFICATION AND FILTRATION DEVICE FOR PREVENTION AND CONTROL OF WATER ENVIRONMENT POLLUTION

00: -

The present invention relates to the technical field of sewage filtration, and provides a sewage purification and filtration device for prevention and control of water environment pollution, including a filter box. Multi-stage filter plates are arranged inside that filter box, a purifying box is arranged on a right side of the filter box, a first motor is fixedly connected to a top of the purifying box, and a connecting rod is fixedly connected to an output end of the first motor. In the present invention, through the cooperation of the multi-stage filter plates, buffer plates and sealing plates, the impact of the filter plates is reduced, and the filtering effect is improved; and through the cooperation of the first motor, the connecting rod, stirring rods and a screw rod, full mixing is realized and the water passing capacity is improved.

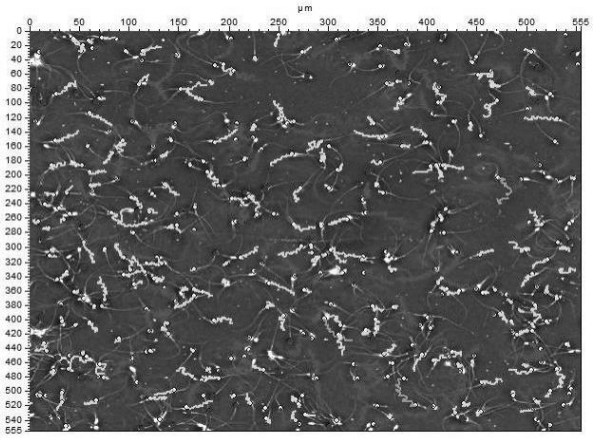


21: 2025/05717. 22: 2025/07/04. 43: 2026/02/18
51: A61K; C12N; A61P
71: SHANDONG OX LIVESTOCK BREEDING CO., LTD., INSTITUTE OF ANIMAL SCIENCE AND VETERINARY MEDICINE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
72: ZHANG, Yan, XIAO, Yao, MA, Qingtao, LIU, Weijia, HAN, Yusong, WANG, Lingling, GAO, Yundong
33: CN 31: 2024111448091 32: 2024-08-20

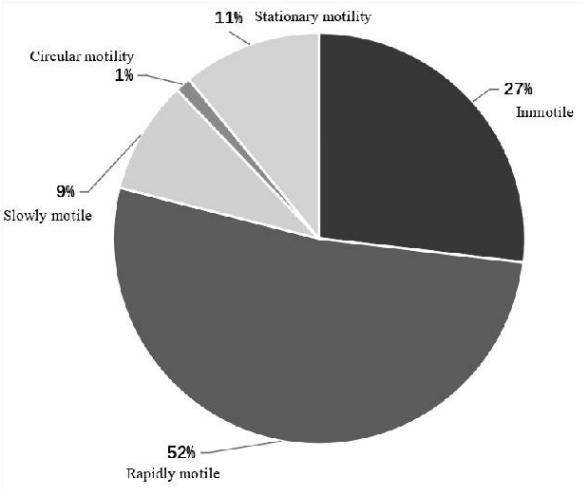
54: IN VITRO FERTILIZATION SOLUTION CAPABLE OF IMPROVING FERTILIZATION ABILITY OF BOVINE SPERMS AND PREPARATION METHOD THEREOF

00: -

The present invention relates to a bovine in vitro fertilization solution, and in particular to an in vitro fertilization solution capable of improving fertilization ability of bovine sperms and a preparation method thereof, belonging to the field of biotechnology. The in vitro fertilization solution according to the present invention includes a sperm processing solution and an in vitro fertilization culture solution. Processing sperms with the in vitro fertilization solution provided by the present invention can improve sperm motility parameters, thereby improving the in vitro fertilization ability of the sperms and achieving a higher blastocyst rate and a higher embryo transfer pregnancy rate.



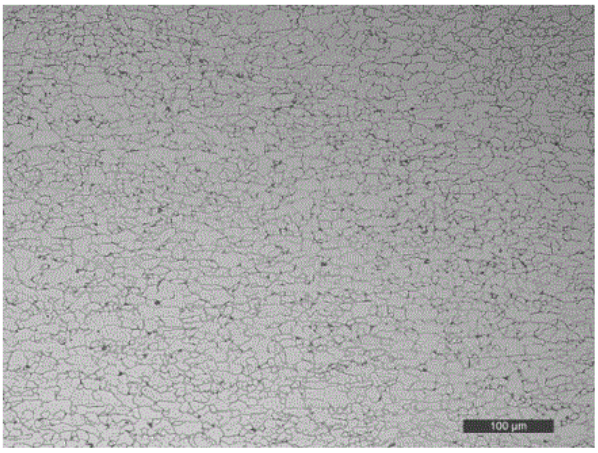
(A)



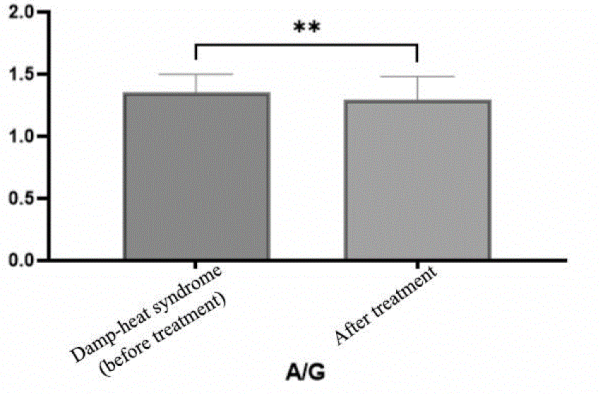
(B)

21: 2025/05721. 22: 2025/07/04. 43: 2026/02/18
51: C21D; C22C
71: BAOSHAN IRON & STEEL CO., LTD.
72: WEI, Jiao, SUN, Quanshe, GUO, Liangliang, QU, Lineng, WANG, Junkai, WANG, Mu, WANG, Jintao, JIANG, Xiaoming

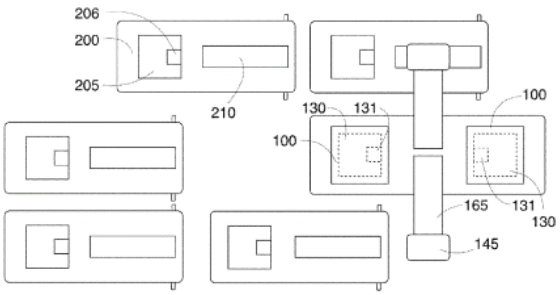
33: CN 31: 202310032928.7 32: 2023-01-10
54: COLD-ROLLED HIGH-STRENGTH ENAMELING STEEL AND MANUFACTURING METHOD THEREFOR
00: -
Enameling steel and a method for manufacturing the enameling steel. The enameling steel comprises Fe and inevitable impurities, and further comprises the following chemical elements in percentages by mass: C: 0.03-0.08%, Si: 0.01-0.04%, Mn: 0.15-0.35%, S: 0.002-0.012%, Al: 0.015-0.055%, N less than or equal to 0.006%, Ti: 0.02-0.05%, RE: 0.005-0.015%, Ca greater than 0 and less or equal to 0.008%, Zr greater than 0 and less or equal to 0.008%, and at least one of selected from Cu: 0.01-0.06%, Cr: 0.01-0.05% and Ni: 0.005-0.05%; and the enameling steel does not comprise Nb and B. By means of a reasonable design of alloying elements and preferable further process control, a microstructure of fine and uniform ferrite plus a small amount of pearlite is obtained, the dispersed distribution of precipitated phases is achieved, and a steel sheet is ensured to have high strength and plasticity while having sufficient hydrogen traps, good adhesion performance and pinhole resistance.



21: 2025/05722. 22: 2025/07/04. 43: 2026/02/18
51: A61K
71: HENAN UNIVERSITY OF CHINESE MEDICINE
72: ZHANG, Haiyan, ZHANG, Yuanxi, XU, Liran, WANG, Juan
33: CN 31: 202311763475.1 32: 2023-12-20
54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR PREVENTING AND/OR TREATING AIDS DAMP-HEAT SYNDROME AND USE THEREOF
00: -
A traditional Chinese medicine composition for preventing and/or treating AIDS damp-heat syndrome and use thereof. The traditional Chinese medicine composition comprises the following components in parts by weight: 1-5 parts of almond, 2-6 parts of Semen Coicis, 1-3 parts of Wurfbainia vera, 1-3 parts of ginger-processed Pinellia, 1-3 parts of talc, 1-5 parts of Rhizoma Atractylodis Macrocephalae, 1-5 parts of Cortex Magnoliae Officinalis, 0.5-1.5 parts of Medulla Tetrapanacis, and 1-3 parts of Herba Lophatheri.

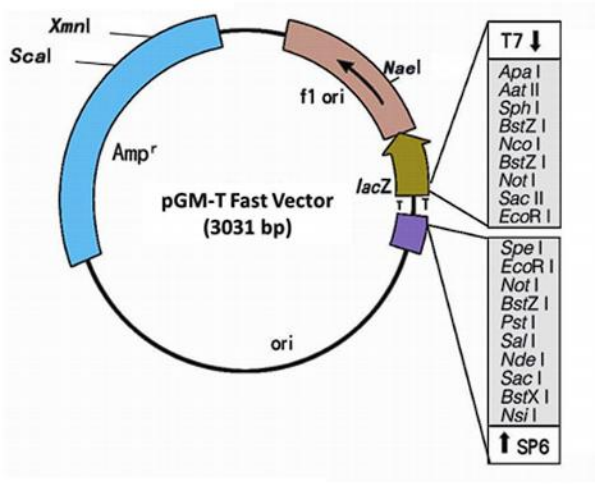


21: 2025/05723. 22: 2025/07/04. 43: 2026/02/18
51: B60L
71: DRIVE ELECTRO SA
72: IVANOV, Sergey
54: BATTERY CHARGING COMPLEX FOR ELECTRIC VEHICLE FLEET
00: -
The invention relates to complexes for charging groups of electric vehicles used for urban needs, and can be used in the transportation industry and by municipal enterprises. The purpose of the invention consists in the battery charging complex for electric vehicles fleet, including: the group of the same type electric vehicles and the group of charging stations containing buffer batteries, wherein traction batteries and buffer batteries are of the same type, and buffer batteries are represented by formerly used traction batteries and have a storage capacity ranging from 60 to 80% of the nominal one. The invention is aimed to achieve the technical result, that is to increase the useful life of traction accumulator batteries of electric vehicles by continuing their operation as buffer batteries of charging stations of the complex for charging batteries of the electric vehicles fleet.

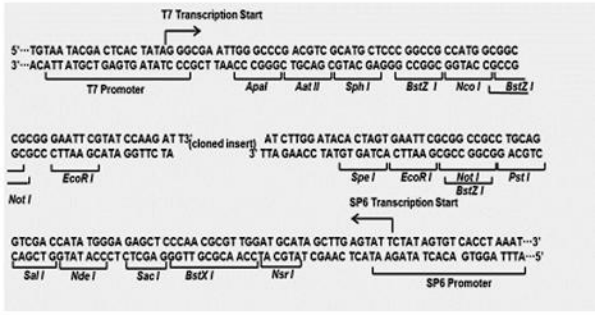


21: 2025/05753. 22: 2025/07/07. 43: 2026/02/18
51: C12N; C12Q
71: HANGZHOU ZHEDA DIXUN BIOLOGICAL GENE ENGINEERING CO., LTD.
72: WU, Zhoujie, WU, Shandong, ZHU, Mingzhi, JIANG, Xuehan, YIN, Deling, LIU, Yi, YANG, Xukai, ZHENG, Shuai, SHEN, Mei, WU, Shanhong, WANG, Jiping
33: CN 31: 2024119748291 32: 2024-12-30
54: DETECTION PRIMER-PROBE SET FOR HUMAN INTERLEUKIN 5 RECEPTOR ALPHA IL5RA MRNA, KIT, AND USE
00: -
The present invention provides a detection primer-probe set for human interleukin 5 receptor alpha (IL5RA) mRNA, a kit, and use, and belongs to the technical field of biological detection. The detection primer-probe set includes IL5RA-F, IL5RA-R and probe I5-Probe, and the RNA one-step method is combined to detect the expression level of human IL5RA mRNA, so that the changes in IL5RA content can be sensitively detected. Compared with immunological detection methods, the present invention may greatly improve the sensitivity of detection and also detect low-concentration clinical samples. The detection range may span at least 5 orders of magnitude, increasing the accuracy of the detection results. In addition, the present invention may complete at least 80 detections within 1 hour, thereby dynamically monitoring and evaluating the therapeutic effect at an earlier, more accurate and faster pace.

pGM-T Fast Vector Map



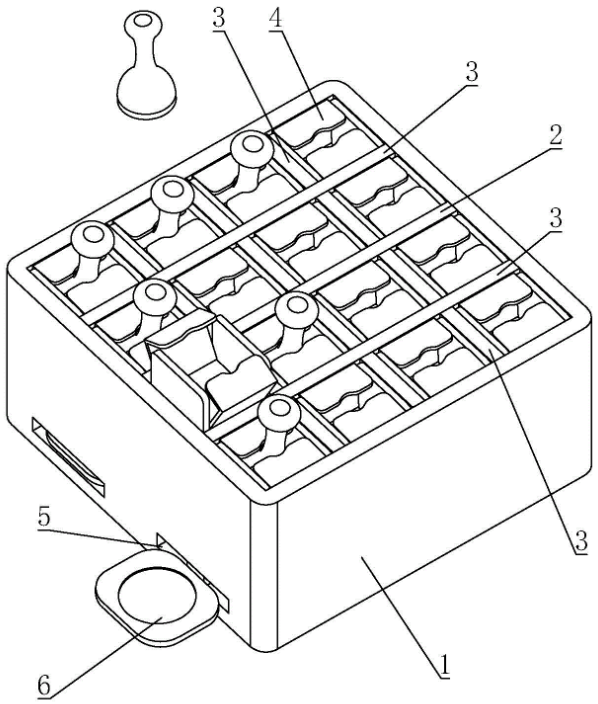
pGM-T Fast Vector Multicloning Site Map



21: 2025/05754. 22: 2025/07/07. 43: 2026/02/18
51: C04B
71: Chongqing University
72: HUANG, Yubin, ZHANG, Cheng, XIONG, Hao
54: NOVEL GREEN CEMENT BASED ON PRODUCT SYSTEM OF CALCIUM CARBONATE-ETTRINGITE-CALCIUM CARBONATE ALUMINATE
00: -
The present invention provides novel green cement based on the product system of calcium carbonate-ettringite-calcium carbonate aluminate to the field of building materials. The novel green cement based on the product system of calcium carbonate-ettringite-calcium carbonate aluminatet includes the following components in parts by mass: 30-40 parts of sulfoaluminate cement, 60 parts of limestone flour, 5.0 -10.0 parts of fluidized bed combustion ash, 0.2 -0.5 part of sodium gluconate and 0.3 -0.7 part of a superplasticizer. By limiting a condition of a low water cement ratio, a lot of limestone flour is doped into the sulfoaluminate cement to form a novel hydration product system mainly including limestones (CaCO3), ettringite and tri-carbon

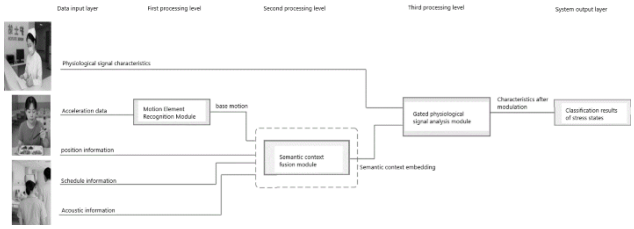
Calcium Carboaluminate Hydrate (C3A*3CaCO3*32H2O). Joint actions of the limestone flour, the fluidized bed combustion ash, the sodium gluconate and the superplasticizer change the engineering properties of the sulfoaluminate cement, so that the sulfoaluminate cement becomes novel cement

21: 2025/05755. 22: 2025/07/07. 43: 2026/02/18
51: B41K
71: Tongling University
72: Liu Yihua
54: AN ACCOUNTING SEAL STORAGE BOX
00: -
The present invention belongs to the field of seal storage and discloses an accounting seal storage box, comprising a housing with an open top and a vertical panel fixed inside the housing. The vertical panel divides the inner cavity of the housing into two symmetrical chambers, and multiple partitions are fixed above each chamber. The partitions divide the upper part of the chamber into multiple chambers, and each chamber is equipped with a clamping module. When the clamping module is located in the chamber, it is in a clamping state, and when the clamping module extends out of the housing, it is in a relaxed state. The lower side wall of the chamber is provided with a through-slot, and the bottom of the chamber is equipped with an ink pad. There is a tension spring between the ink pad and the housing, and a control module is provided between the ink pad and the clamping module. When the clamping module extends upward from the housing, it can be controlled by the control module. The ink pad is pulled out of the housing from the groove, and when the clamping module is located in the chamber, the tension spring can pull the ink pad back into the housing;This invention solves the problem of the existing two colors of seals being easily dipped in the wrong ink during use.



21: 2025/05756. 22: 2025/07/07. 43: 2026/02/18
51: A61B
71: Zhang Huiling
72: Zhang Huiling, Xia Zheyuan, Yu Shuang, Shi Hui, Guan Yuxiang, Meng Yahui, Hao Shujie, Qin Qin, Hu Kecui
54: REAL TIME MONITORING SYSTEM FOR NURSE COMPASSION FATIGUE BASED ON ARTIFICIAL INTELLIGENCE
00: -
The present invention relates to the field of compassion fatigue monitoring technology and provides an artificial intelligence based real-time monitoring system for nurse compassion fatigue, comprising a motion element recognition module for receiving acceleration data from wearable devices and identifying the current basic motion category of the nurse; The semantic context fusion module is used to obtain the aforementioned motion category and fuse multidimensional contextual information such as location, schedule, and acoustics at the time of the motion occurrence to generate a semantic context embedding vector that represents the activity intention; And a gated physiological signal analysis module, used to receive physiological signal features and the semantic context embedding vector, and use the embedding vector to dynamically weight and

modulate the physiological signal features, thereby outputting the final stress state classification result.

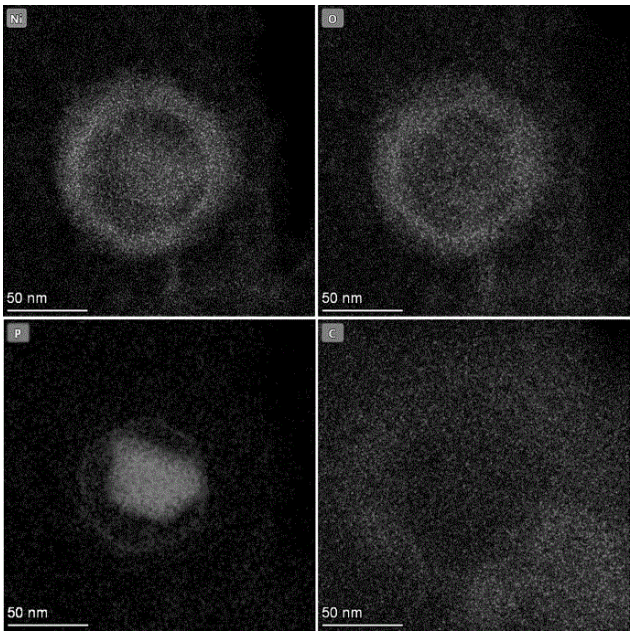


21: 2025/05757. 22: 2025/07/07. 43: 2026/02/18
51: H01M
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: XU Liqianyun, MENG Qi, DONG Peng, XIANG Xianglin, XING Yubo

54: METHOD FOR PREPARING PHOSPHORUS-DOPED METAL COMPOUND COMPOSITE MATERIAL FROM WASTE BATTERY CARBON CATHODE

00: -

The present invention relates to a preparation method and application of a phosphorus-doped nickel/nickel oxide nanosphere/graphite composite material regenerated from spent lithium-ion battery carbon cathodes. This nanocomposite features a three-dimensional intercalated structure, where phosphorus-doped core-shell structured Ni/NiO nanospheres are uniformly embedded within graphite layers, with the graphite's layered structure originating from surface treatment and regeneration of spent lithium-ion battery cathode graphite. The preparation method includes: performing surface treatment on waste graphite under ultrasonic assistance, obtaining regenerated graphite composite material uniformly embedded with phosphorus-doped nickel/nickel oxide nanospheres through hydrothermal reaction, followed by controlled high-temperature oxidation to in-situ generate high-capacity metal oxides on the surfaces of the embedded nanospheres. The nanocomposite exhibits excellent electrochemical performance, including high specific capacity and superior cycling stability. The preparation method offers advantages of simplicity, readily available raw materials, and low production costs.



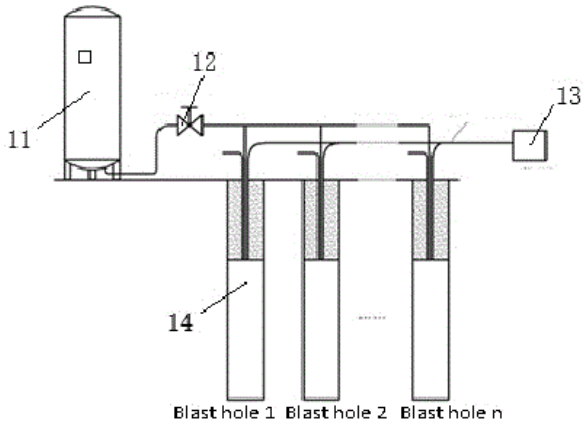
21: 2025/05758. 22: 2025/07/07. 43: 2026/02/18
51: F15B
71: ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY, Sinoma (Nanjing) Mining Research Institute Co., Ltd
72: ZHANG, Juan, CHENG, Bing, WANG, Guangrong, LI, Yunchao, XIANG, Tuoyu, WANG, Jing
33: CN 31: 2025104784514 32: 2025-04-16

54: ANTI-STATIC ENERGY STORAGE CYLINDER WITH NITROGEN AND OXYGEN MIXED GAS FOR ROCK BREAKING AND USE METHOD THEREOF

00: -

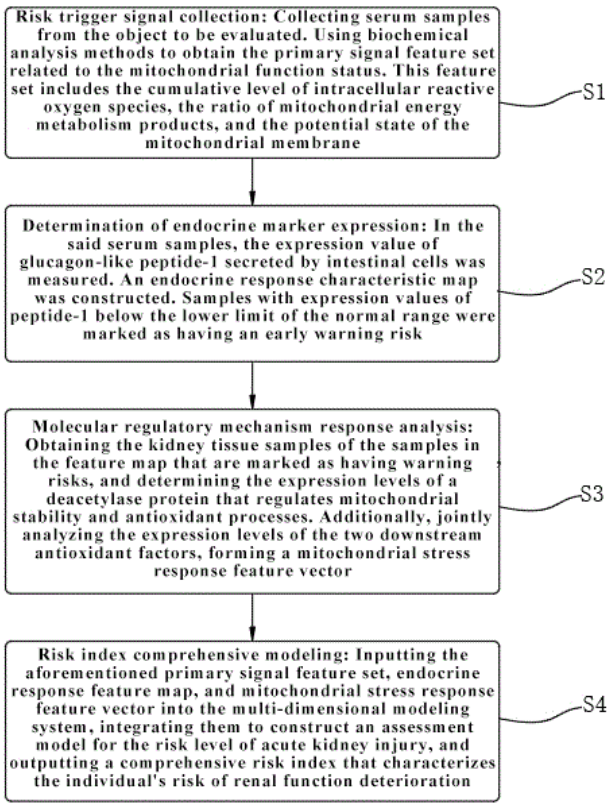
The present invention discloses an anti-static energy storage cylinder with nitrogen and oxygen mixed gas for rock breaking, comprising a liquid oxygen tank, a liquid nitrogen tank, an exciter and a plurality of energy storage tubes, wherein the liquid oxygen tank and the liquid nitrogen tank are connected to each energy storage tube through a liquid filling main pipe, a liquid filling valve is arranged on the liquid filling main pipe, the liquid filling main pipe is connected to the corresponding energy storage tube through a branch pipe, a solenoid valve is arranged on the branch pipe, a control module is arranged on the solenoid valve, a wireless transmission module is arranged on the control module, the wireless transmission module is connected to a main controller, the exciter is connected to a corresponding ignition element through a detonation bus, a liquid level sensor is arranged in the energy storage tube, the liquid level sensor is connected to

the controller signal, a flow meter is also arranged on the branch pipe, and the flow meter is connected to the controller signal. The nitrogen-oxygen mixed gas rock-breaking anti-static energy storage cylinder and the use method of the present invention can dynamically adjust the liquid filling speed according to the set flow rate, so that each blast hole is filled with liquid to complete the blasting.



21: 2025/05759. 22: 2025/07/07. 43: 2026/02/18
51: C04B
71: CHINA BUILDING MATERIALS ACADEMY CO., LTD.
72: Zhongcheng Ma, Pengyu Cai, Hongxia Wang, Chunxia Jin, Chunyong Gao, Junhua Guo, Minglin Jia, Yun Liu, Guizhi Diao, Xiao Cheng, Jing Wang
33: CN 31: 2025103140242 32: 2025-03-17
54: LOW-HEAT HIGH-STRENGTH CEMENTITIOUS MATERIAL, PREPARATION METHOD, AND APPLICATION THEREOF
00: -
The present invention relates to a low-heat high-strength cementitious material, preparation method, and application thereof. The low-heat high-strength cementitious material includes, in weight percent, the low-heat Portland cement (LHPC) 72.5-79%, fly ash (FA) 9-11%, ground-granulated blast-furnace slag (GGBFS) 5-9%, silica fume (SF) 1-5%, and hydration-heat inhibitor 1.1-2.8%. The hydration-heat inhibitor includes starch, polymer, and an organic acid derivative. The technical problem to be solved is how to provide a low-hydration-heat high-strength cementitious material. The low-heat high-strength cementitious material is worked together by the LHPC, mineral admixtures (FA, GGBFS, and SF), and hydration-heat inhibitor, so as to significantly reduce the hydration-heat of the cementitious material and ensure high compressive strength and good durability.

21: 2025/05760. 22: 2025/07/07. 43: 2026/02/18
51: G01N
71: The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University
72: Baihao Chen, Lingwei Jin, Xinru Lu, Ting Lu, Jiadan Lu, Muxi Jin, Pengfei Cheng
54: AN ACUTE KIDNEY INJURY RISK ASSESSMENT METHOD AND AN EARLY WARNING SYSTEM
00: -
This invention pertains to the field of risk assessment and early warning technology. Specifically, it involves an acute kidney injury risk assessment method and an early warning system, which includes risk trigger signal collection: collecting serum samples from the subject to be evaluated and obtaining the primary signal feature set; endocrine marker expression determination: measuring the expression value of glucagon-like peptide-1 secreted by intestinal cells, and constructing an endocrine response feature map; molecular regulatory mechanism response analysis: obtaining kidney tissue samples marked as having warning risks, measuring the expression level of deacetylase protein, and jointly analyzing the expression levels of two downstream antioxidant factors, forming a mitochondrial stress response feature vector; risk index comprehensive modeling: integrating and constructing an assessment model for the risk level of acute kidney injury, and outputting a comprehensive risk index that characterizes the risk of individual renal function deterioration. This invention significantly enhances the sensitivity and specificity of risk identification, providing a possibility for intervention before clinical abnormalities in renal function.

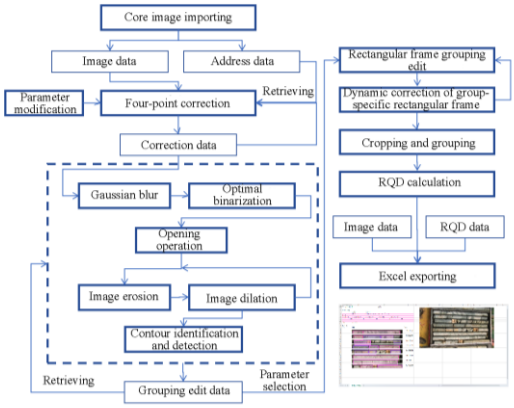


21: 2025/05761. 22: 2025/07/07. 43: 2026/02/18
51: G06T; G06N
71: UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING, JIAOJIA GOLD COMPANY, SHANDONG GOLD MINING STOCK CO., LTD
72: Guoqiang HE, Jianxin FU, Juntao HE, Jie WANG
33: CN 31: 202510478536.2 32: 2025-04-16

54: CORE ROCK QUALITY DESIGNATION (RQD) DETECTION METHOD AND APPARATUS BASED ON CONTOUR IDENTIFICATION AND IMAGE PROCESSING

00: -

The present disclosure relates to the technical field of geological engineering and computer vision, and in particular to a core rock quality designation (RQD) detection method and apparatus based on contour identification and image processing. The method includes: performing data extraction on a core image; correcting the core image, and extracting correction data; performing secondary processing on the core image based on the correction data, and extracting processed image information; applying an opening operation to the core image after the secondary processing, performing a secondary erosion-dilation operation, and acquiring an intact contour from the core image; outlining each independent island region in a binary image through a contour identification algorithm; and selecting a qualified rectangular frame from all contours based on a width of the rectangular frame, performing grouping by rows, and calculating group-specific and overall RQD values according to a fixed width of an entire core tray. The present disclosure addresses the lack of retrievable operation in interactive interfaces, and enhances document archiving and organizational management capabilities. The present disclosure achieves an RQD identification method featuring high efficiency, rapid processing, low parameter dependency, broad adaptability, robust management, and simplified operation.



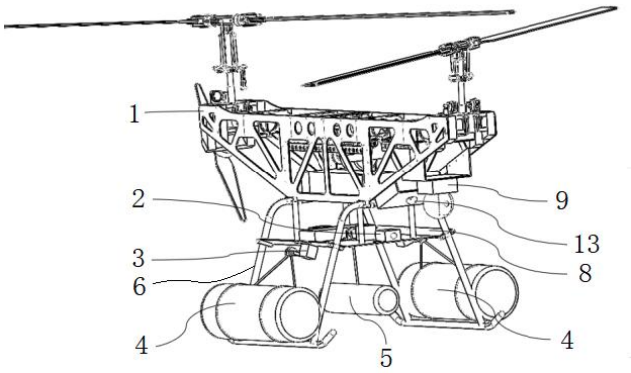
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51: B63C
71: HAINAN AIRIO TECHNOLOGY CO., LTD.
72: CHEN, Hao, ZHAO, Kaifeng, ZHANG, Jian, XIE, Wei, XING, Jiejie, WEI, Haoming, ZHANG, Aolin, GUO, Zonghao

54: UNMANNED AERIAL VEHICLE FOR MARITIME SEARCH AND RESCUE TRANSFER

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The present invention discloses an unmanned aerial vehicle for maritime search and rescue transfer, and relates to the technical field of unmanned aerial vehicles. The unmanned aerial vehicle for maritime search and rescue transfer includes a body, where the body is connected to a flexible mounting platform via a positioning connection assembly, the positioning connection assembly includes a buckle support and fixing assembly and a threaded fixing assembly, the flexible mounting platform is connected to a landing bracket of the body via the buckle support and fixing assembly, the flexible

mounting platform is connected to the body via the threaded fixing assembly, an automatic lifting device is arranged on the flexible mounting platform, and a rescue supply kit is connected to the automatic lifting device. According to the present invention, the flexible mounting platform is arranged on the unmanned aerial vehicle, so that other functional components may be conveniently mounted on the unmanned aerial vehicle, and the mounting effect of the flexible mounting platform is stable; a throwing device and the automatic lifting device are provided, rescue materials are conveniently provided for a person to be rescued, and rescue is assisted; and a camera, an infrared sensor and a searchlight are arranged to conveniently determine the position and the specific condition of a person to be saved and assist in lighting.

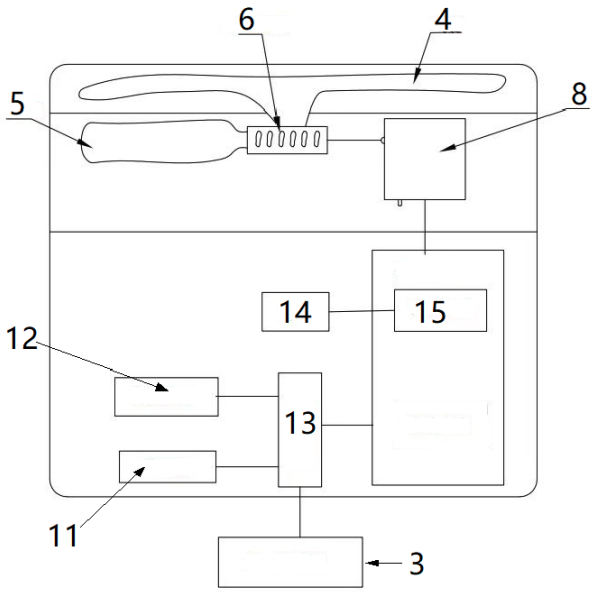


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51: G05D
71: HAINAN AIRIO TECHNOLOGY CO., LTD.
72: CHEN, Hao, ZHAO, Kaifeng, ZHANG, Jian, XIE, Wei, XING, Jiejie, WEI, Haoming, ZHANG, Aolin, GUO, Zonghao, LIU, Hang

54: ANTI-SINKING FLOTATION DEVICE FOR MARINE UNMANNED AERIAL VEHICLE

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The present invention belongs to the technical field of unmanned aerial vehicle safety, and particularly relates to an anti-sinking flotation device for a marine unmanned aerial vehicle. The anti-sinking flotation device includes a storage bin fixed at a bottom of an unmanned aerial vehicle, where a water immersion sensor is mounted at a bottom of the storage bin, the storage bin is of a three-layer structure, an annular airbag, an actuating mechanism and an electric control mechanism are sequentially arranged on the storage bin from top to bottom, the actuating mechanism includes a carbon dioxide inflating cylinder, a toggle inflating switch and a waterproof servo motor, the carbon dioxide inflating cylinder is transversely placed in a second layer of the storage bin, the toggle inflating switch is arranged at a top of the carbon dioxide inflating cylinder, the annular airbag is connected to an air passage of the carbon dioxide inflating cylinder by the toggle inflating switch, the waterproof servo motor is in driving connection with the toggle inflating switch, and the waterproof servo motor and the water immersion sensor are both in circuit connection with the electric control mechanism. The present invention can not only slow down the falling speed, but also reduce the water entry depth, thus effectively ensuring the safety of the marine unmanned aerial vehicle during falling into water.



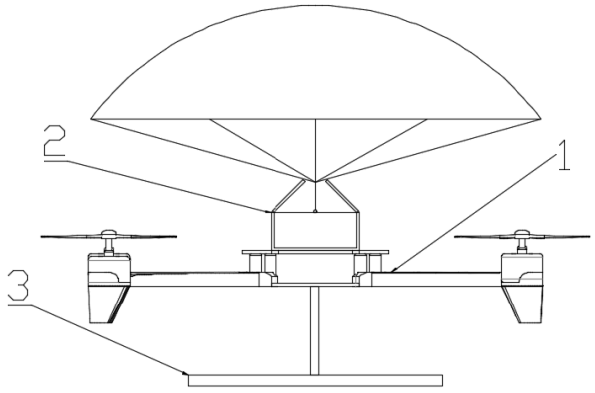
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71: HAINAN AIRUI'AO TECHNOLOGY CO., LTD.
72: CHEN, Hao, ZHAO, Kaifeng, ZHANG, Jian, XIE, Wei, XING, Jiejie, WEI, Haoming, ZHANG, Aolin, GUO, Zonghao

54: PARACHUTE DECELERATION DEVICE FOR MARINE UNMANNED AERIAL VEHICLE

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The present invention discloses a parachute deceleration device for a marine unmanned aerial vehicle and a preparation method thereof, and relates to the technical field of marine unmanned aerial vehicles. The device includes an unmanned

aerial vehicle body, a parachute mechanism and a buoyancy device, where the parachute mechanism is fixedly connected to a top end of the unmanned aerial vehicle body, and the buoyancy device is fixedly connected to a bottom end of the unmanned aerial vehicle through a connecting rod. According to the present invention, with the addition of the parachute mechanism and the buoyancy device, the parachute mechanism may reduce a falling speed of a marine unmanned aerial vehicle falling accidentally, and when the marine unmanned aerial vehicle falls into the sea, the buoyancy device may float the marine unmanned aerial vehicle on a water surface to prevent the marine unmanned aerial vehicle from falling into the seabed.

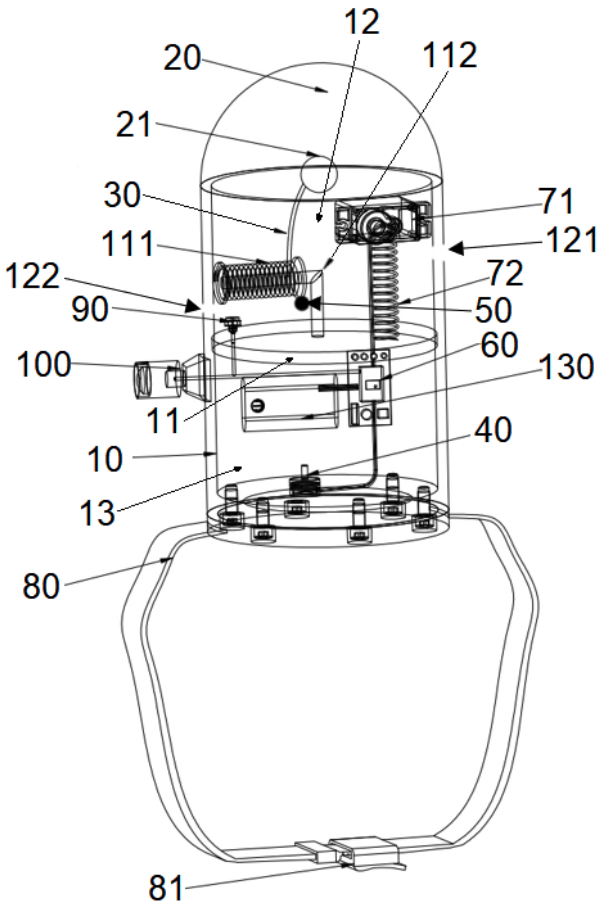


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71: HAINAN AIRIO TECHNOLOGY CO., LTD.
72: CHEN, Hao, ZHAO, Kaifeng, ZHANG, Jian, XIE, Wei, XING, Jiejie, WEI, Haoming, ZHANG, Aolin, GUO, Zonghao

54: SEARCH AND RESCUE DEVICE FOR MARINE UNMANNED AERIAL VEHICLE

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The present invention discloses a search and rescue device for a marine unmanned aerial vehicle, and belongs to the technical field of marine unmanned aerial vehicles. The search and rescue device includes: a fuselage, a hatch, a Kevlar wire, an acceleration sensor, an angular displacement sensor, a main control board, an ejection pod device and a strap, where the fuselage is fixed at a top end of an unmanned aerial vehicle by the strap; the main control board and the acceleration sensor are arranged in a lower mounting cavity; the angular displacement sensor and the ejection pod device are arranged in an upper mounting cavity; the hatch is embedded into a top end of the fuselage, a GPS sphere is arranged in the hatch, and two ends of the Kevlar wire are connected to the hatch and a reel; the acceleration sensor, the angular displacement sensor and the ejection pod device are all electrically connected to the main control board; and the ejection pod device may eject the hatch out of the fuselage. The present invention determines whether the unmanned aerial vehicle is out of control by the fusion of sensor data in the air, ejects a pod by using the ejection pod device, triggers the ejection pod device to eject a pod by a water immersion sensor in water, and overcomes the friction force between the hatch and the fuselage by a buoyancy of the hatch to float out of a water surface, so that the GPS sphere floats to indicate a position and guide searching.



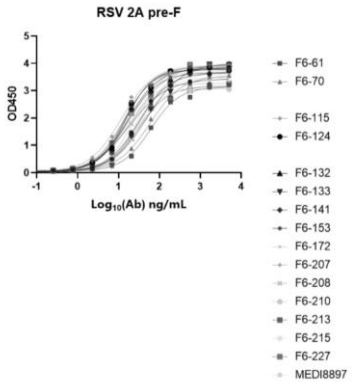
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51: A61K; C07K; C12N; A61P
71: Nanjing Vazyme Biotech Co., Ltd

72: XU, Xiaoyu, CAO, Lin, WANG, Xiangxi, XU, Lingjie
33: CN 31: 202211571449.4 32: 2022-12-08
33: CN 31: 202310007283.1 32: 2023-01-04

54: ANTIBODY SPECIFICALLY BINDING TO RSV

00: -

Provided in the present disclosure is an antibody or an antigen-binding fragment thereof which specifically binds to RSV. Further provided in the present disclosure are a polynucleotide encoding the antibody or the antigen-binding fragment thereof, a vector containing the polynucleotide, a host cell containing the vector, a method for generating the antibody, and a composition containing the antibody.

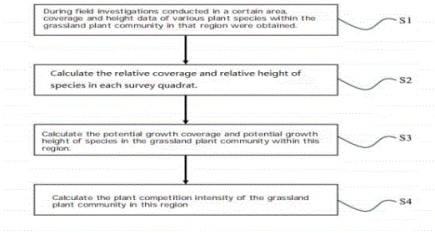


21: 2025/05786. 22: 2025/07/08. 43: 2026/02/19
51: A01G
71: Southwest Forestry University
72: ZHANG, Yong, LU, Feiying, GANJURJAV, Hasbagan, YUE, Haitao

54: A METHOD FOR CALCULATING THE INTENSITY OF COMPETITION AMONG GRASSLAND PLANTS AT THE COMMUNITY LEVEL

00: -

This invention introduces a method for calculating the competition intensity of grassland plants at the community level, which falls under the field of plant science. This invention addresses the issue of existing methods failing to calculate plant competition intensity at the community level. By collecting data on the coverage and height of various plant species in the target area's grassland community, it calculates the relative coverage and height of each species in the survey plot. It then computes the potential growth coverage and potential growth height, ultimately determining the plant competition intensity.By incorporating historical data and preset thresholds, it can more precisely categorize the community into high-competition and low-competition areas, thereby identifying the competition drivers in different regions. This provides more targeted strategies for grassland management, effectively enhancing the stability and biodiversity of grassland ecosystems.

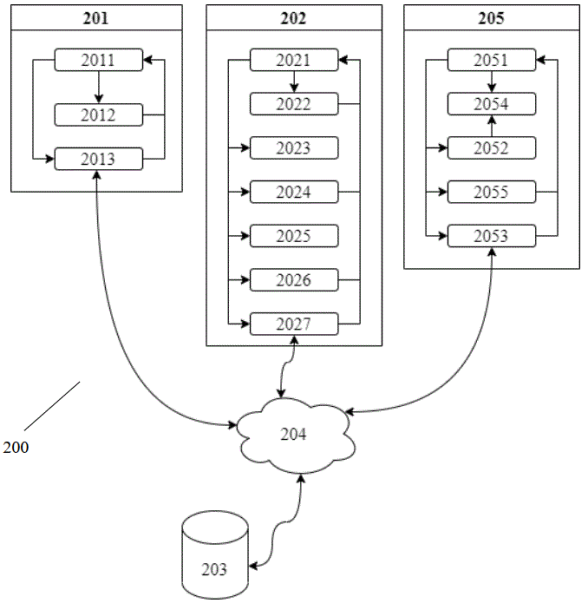


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51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110909 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR OBTAINING A DATASET

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

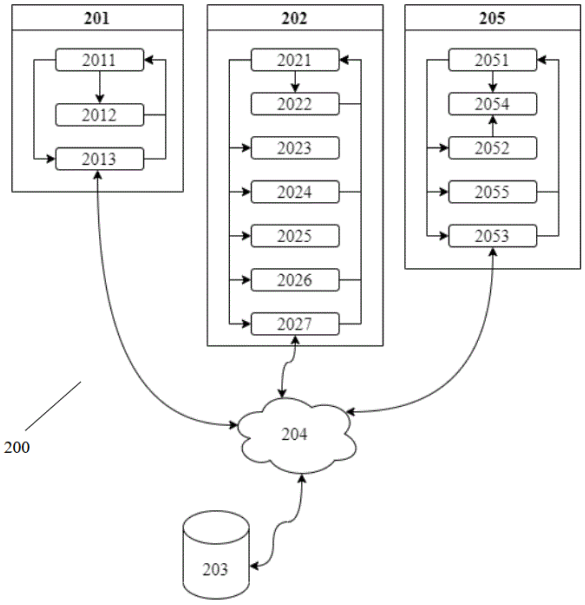


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51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110911 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR DISTRIBUTING DOSAGE FORMS

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

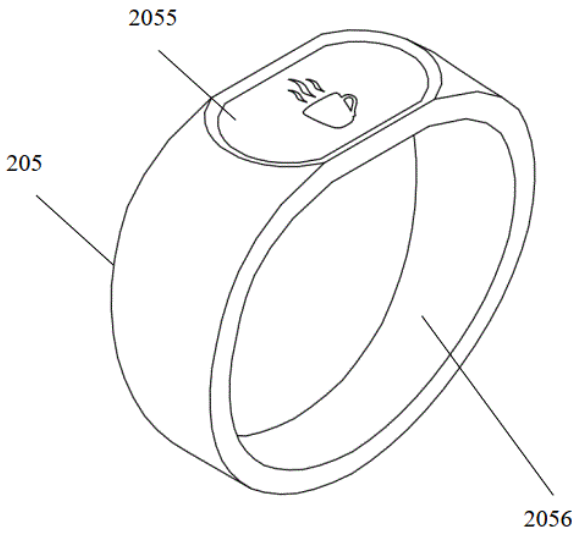


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51: A61J; G06F
71: LIMITED LIABILITY COMPANY DEVIMED
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110914 32: 2025-04-26

54: METHOD FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS

00: -

The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

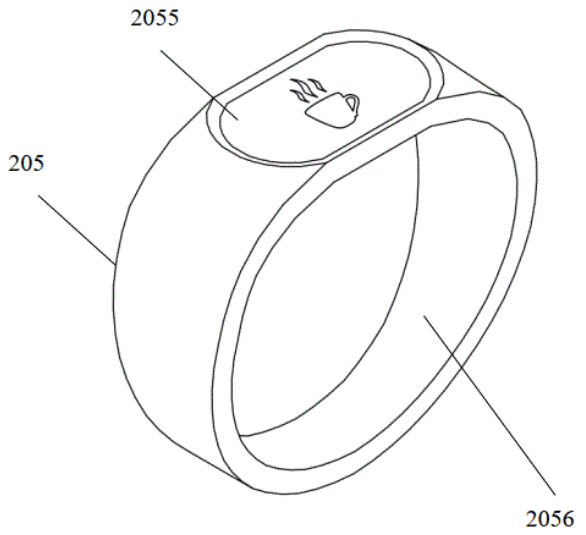


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51: A61J; G06F
71: LIMITED LIABILITY COMPANY DEVIMED
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110917 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING DATABASE OF BODY STATUSES

00: -

The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

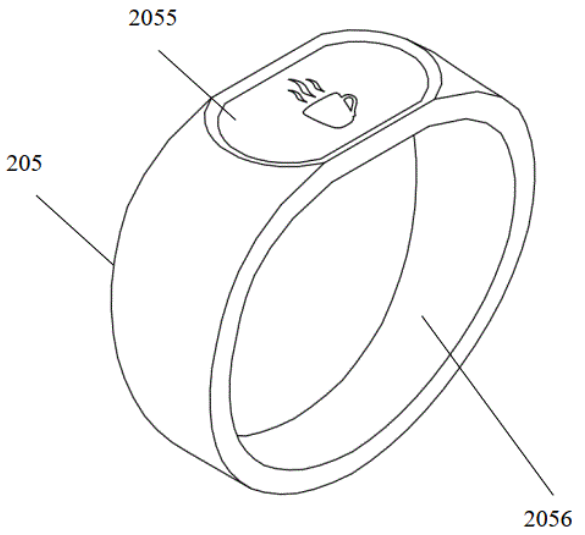


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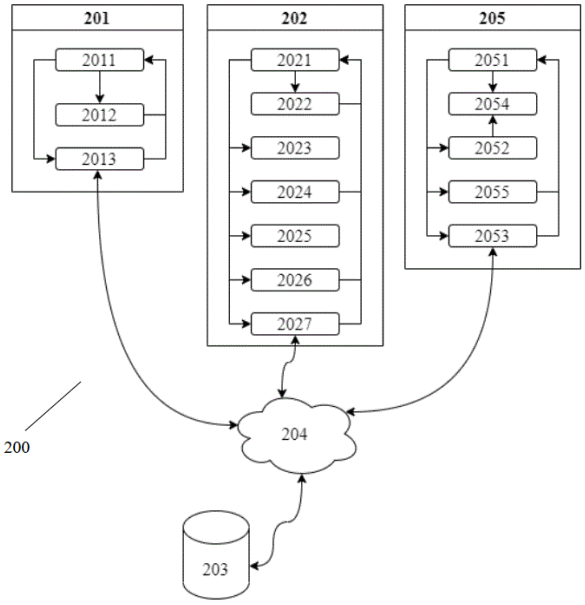
54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE

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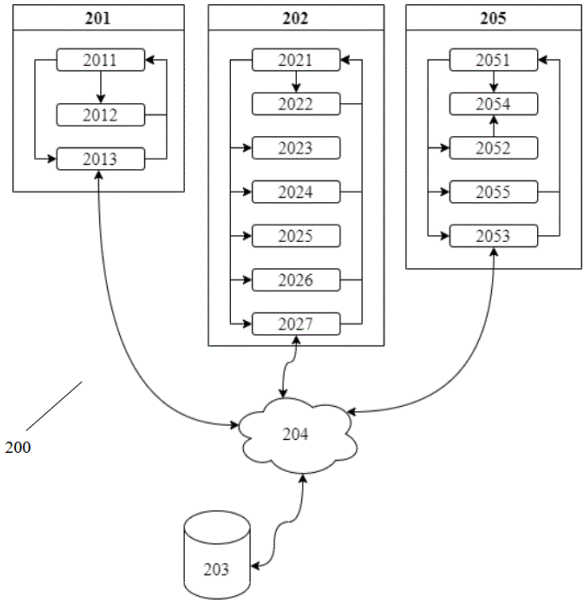
The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



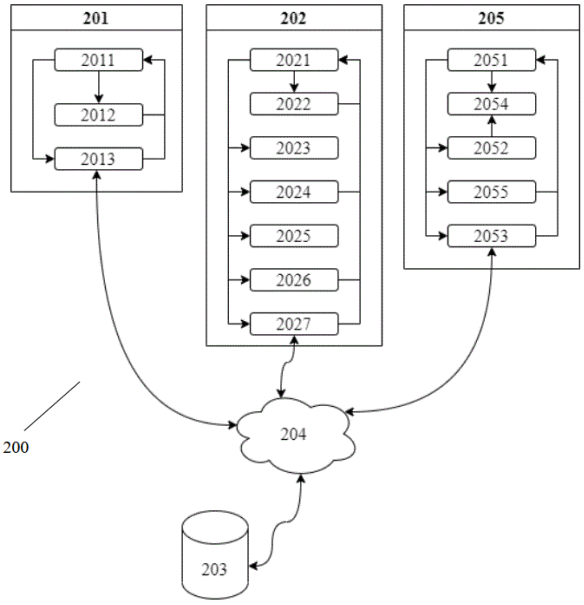
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71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110904 32: 2025-04-26
54: METHOD FOR OBTAINING A DATASET
00: -
The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



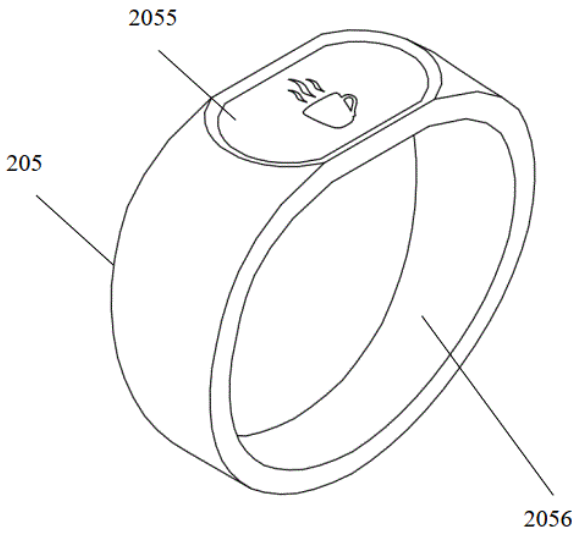
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72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110906 32: 2025-04-26
54: METHOD FOR DISTRIBUTING DOSAGE FORMS
00: -
The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



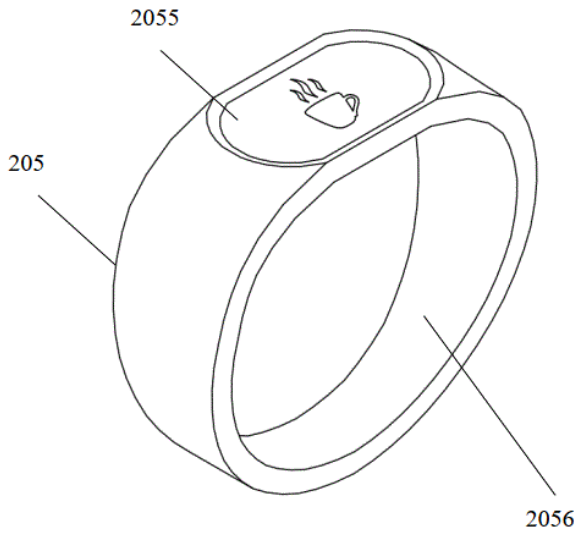
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72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110907 32: 2025-04-26
54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE
00: -
The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



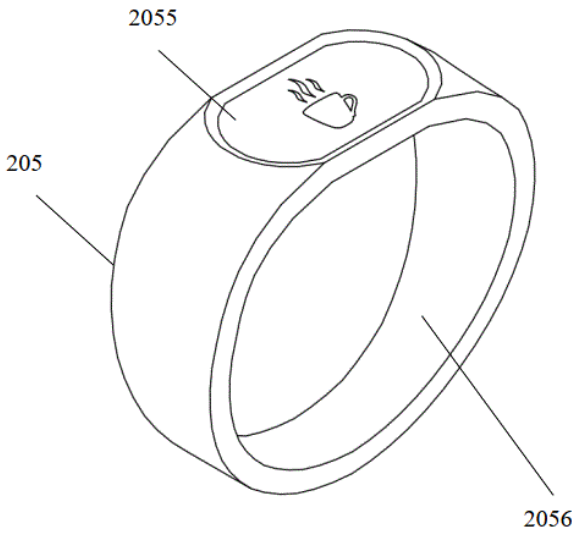
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71: LIMITED LIABILITY COMPANY DEVIMED
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33: RU 31: 2025110913 32: 2025-04-26
54: METHOD FOR IDENTIFYING BODY STATUS
00: -
The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



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51: A61J; G06F
71: LIMITED LIABILITY COMPANY DEVIMED
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110915 32: 2025-04-26
54: METHOD FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE
00: -
The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



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51: A61J; G06F
71: LIMITED LIABILITY COMPANY DEVIMED
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110916 32: 2025-04-26
54: METHOD FOR DISTRIBUTING DOSAGE FORMS
00: -
The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

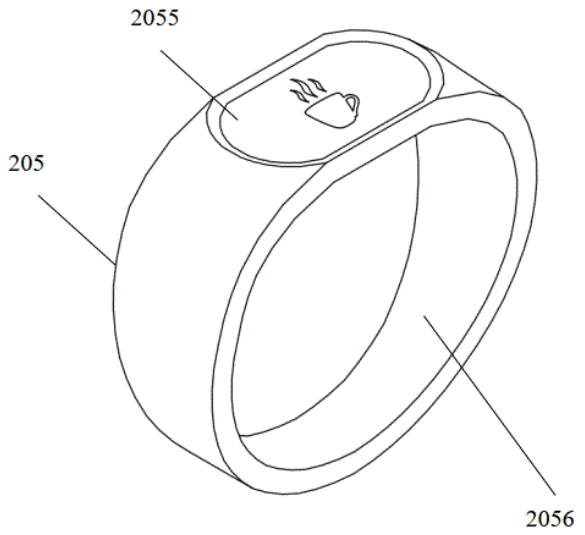


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71: LIMITED LIABILITY COMPANY DEVIMED
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110918 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR IDENTIFYING BODY STATUS

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The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

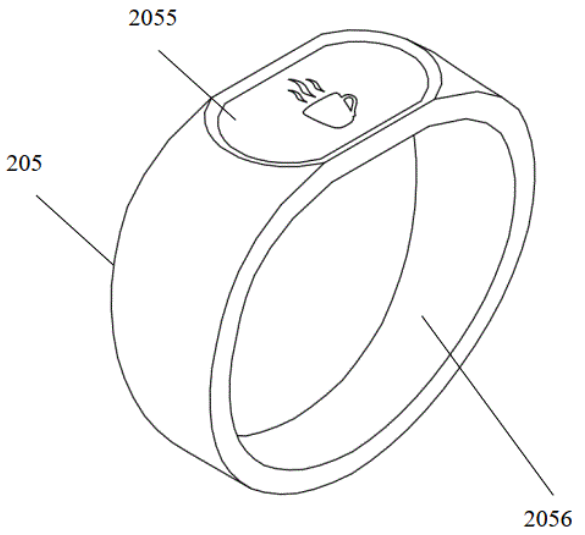


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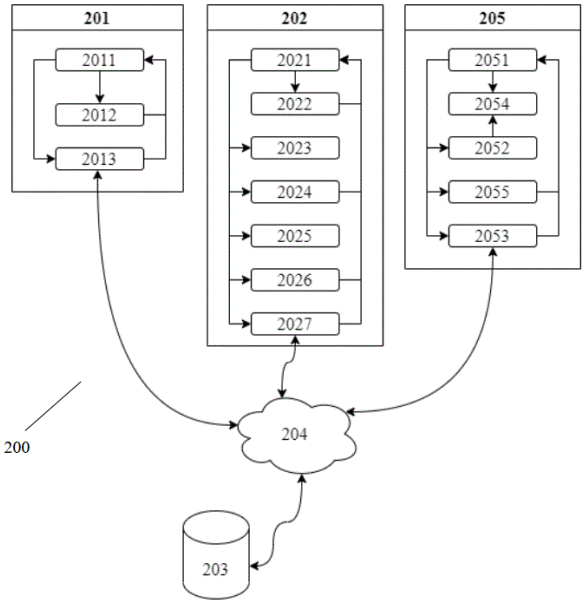
54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS

00: -

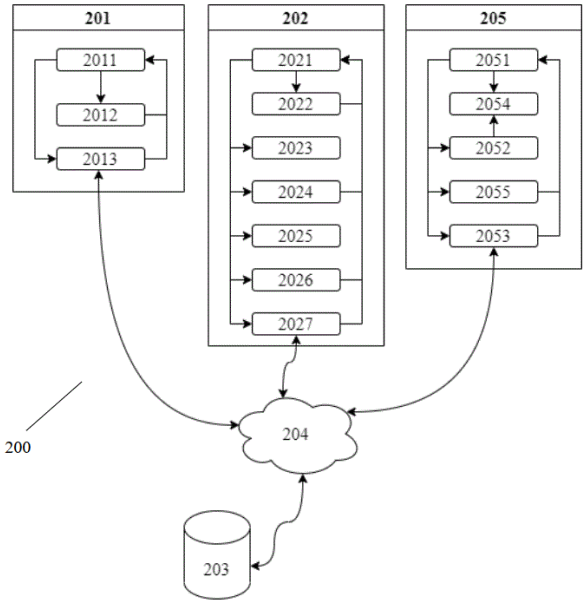
The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



21: 2025/05800. 22: 2025/07/08. 43: 2026/02/19
51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110902 32: 2025-04-26
54: METHOD FOR GENERATING A DATABASE
00: -
The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



21: 2025/05801. 22: 2025/07/08. 43: 2026/02/19
51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110903 32: 2025-04-26
54: METHOD FOR GENERATING A DATABASE QUERY
00: -
The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

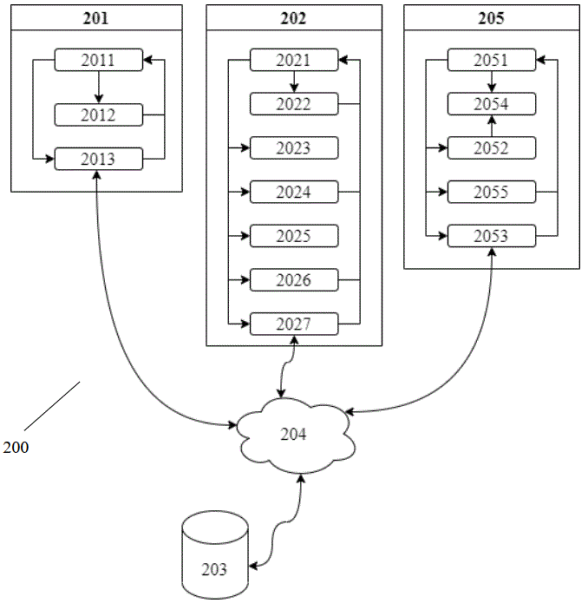


21: 2025/05802. 22: 2025/07/08. 43: 2026/02/19
51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110905 32: 2025-04-26

54: METHOD FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

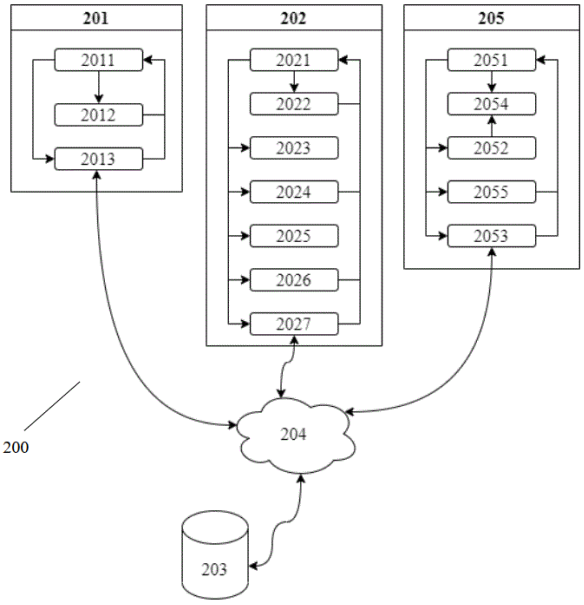


21: 2025/05803. 22: 2025/07/08. 43: 2026/02/19
51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110908 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

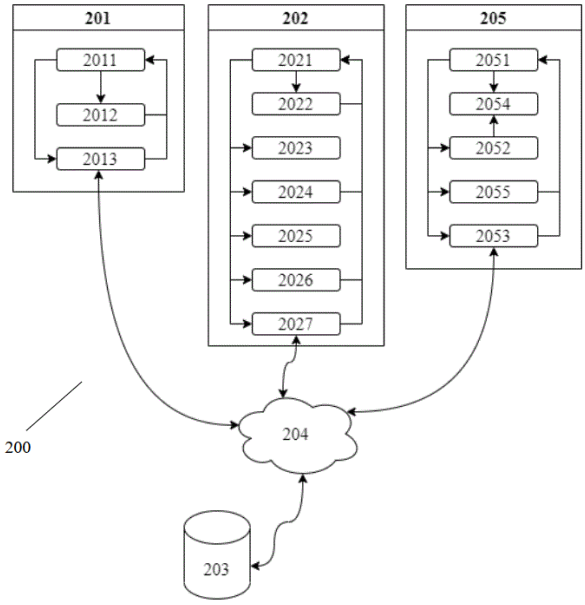


21: 2025/05804. 22: 2025/07/08. 43: 2026/02/19
51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110910 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

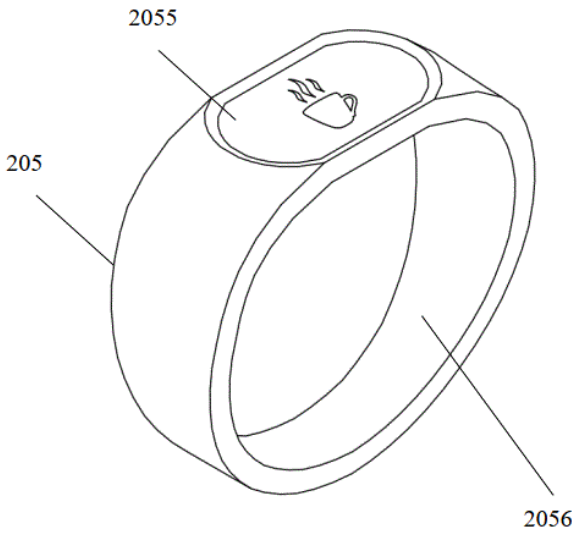


21: 2025/05805. 22: 2025/07/08. 43: 2026/02/19
51: A61J; G06F
71: LIMITED LIABILITY COMPANY DEVIMED
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110912 32: 2025-04-26

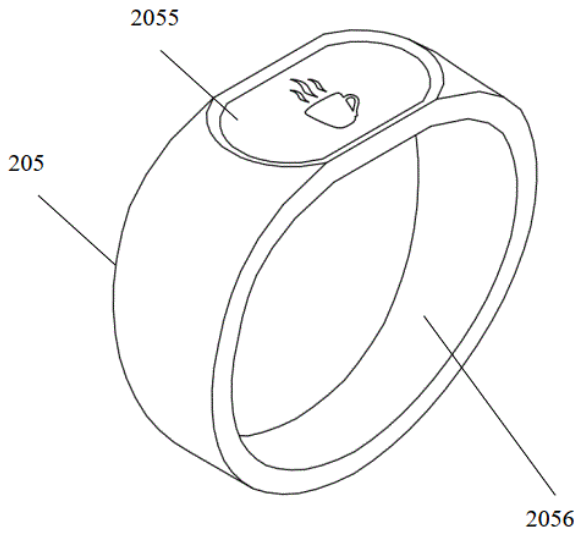
54: METHOD FOR GENERATING DATABASE OF BODY STATUSES

00: -

The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.

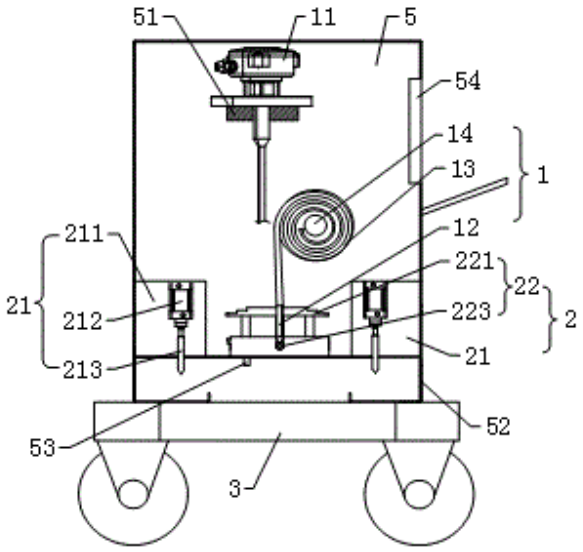


21: 2025/05806. 22: 2025/07/08. 43: 2026/02/19
51: A61J; G06F
71: LIMITED LIABILITY COMPANY DEVIMED
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110921 32: 2025-04-26
54: MACHINE-READABLE STORAGE MEDIUM FOR DISTRIBUTING DOSAGE FORMS
00: -
The proposed invention relates to methods and means for identifying body statuses and can be used for distributing dosage forms depending on the body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms.



21: 2025/05807. 22: 2025/07/08. 43: 2026/02/19
51: G01F
71: Zunyi Normal University
72: Chaoyu CHEN
54: DEVICE FOR REAL-TIME MEASUREMENT OF BOREHOLE WATER LEVEL IN GEOTECHNICAL INVESTIGATION
00: -
The invention relates to the field of water level measurement technology in geotechnical investigation, particularly relates to a device for real-time measurement of borehole water level in geotechnical investigation, including a measurement unit, a fixing unit, a movement unit and a heat dissipation unit, wherein a water level measurement assembly of the measurement unit is located inside a measurement chamber of the measuring device, a first fixing assembly of the fixing unit is symmetrically arranged at a bottom of the measurement chamber, a second fixing assembly is arranged at the bottom of the measurement chamber below the measurement assembly, a second fixing claw of the second fixing assembly is connected to an upper part of a water level measurement head of the measurement assembly, and a top of a mobile base of the movement unit is connected to a mounting part of the measurement chamber. The invention adopts the above-mentioned structure of a device for real-time measurement of borehole water level in geotechnical investigation, the conduit reel is matched with the retractable motor, and the water level measurement head can be positioned below the borehole water level without manually aligning

the water level measurement head to the borehole to achieve real-time automatic measurement.

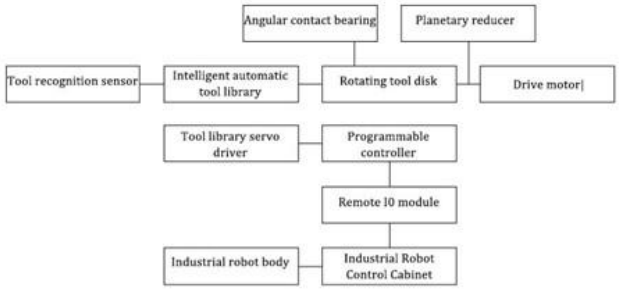


21: 2025/05808. 22: 2025/07/08. 43: 2026/02/19
51: B23Q; B25J
71: ANHUI VOCATIONAL AND TECHNICAL COLLEGE
72: DU, Xuanfu, XIE, Xiaomin, LI, Nengfei, YU, Xiaoyu, WANG, Kaile, ZHOU, Yong, CHEN, Xinhuan, SHENG, Dongxu

54: INTELLIGENT TOOL LIBRARY SYSTEM FOR INDUSTRIAL ROBOTS

00: -

The invention belongs to the field of intelligent tool library technology, specifically an intelligent tool library system for industrial robots, comprising a servo linear guide rail. The body is installed on the servo linear guide rail and moves along the guide rail. The robot control cabinet is electrically connected to the industrial robot body, and a programmable controller is connected to the remote IO module for coordinating tool replacement logic; The intelligent automatic tool library is installed at one end of the servo linear guide and connected to the servo driver of the tool library. Through the compact design of the servo linear guide and the rotating tool disk, multiple tools can be stored and quickly switched in a limited space. The planetary reducer and angular contact bearing combination drive eliminate backlash and ensure long-term stable operation of the tool disk, the RFID/visual sensor dual verification avoids tool misplacement.

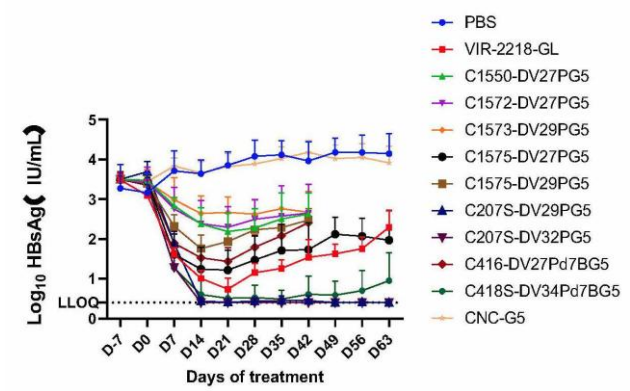


21: 2025/05809. 22: 2025/07/08. 43: 2026/02/19
51: A61K; C12N; A61P
71: HANGZHOU TIANLONG PHARMACEUTICAL CO., LTD.
72: HUANG, Zeao, SONG, Gengshen, YANG, Shuo, YANG, Yang, TIAN, Zhikang, WU, Yucheng, XIONG, Kai, GAO, Zhongcai
33: CN 31: 2024109094050 32: 2024-07-08
33: CN 31: 2025100376183 32: 2025-01-09
33: CN 31: 2025100396134 32: 2025-01-09
33: CN 31: 2025100393920 32: 2025-01-09

54: DOUBLE-STRANDED RNAi AGENTS FOR TARGETING AND REGULATING HBV GENE EXPRESSION, AND A USE THEREOF

00: -

The present disclosure provides a double-stranded RNAi agent for targeting and regulating HBV gene expression and a use thereof. The double-stranded RNAi agent comprises an antisense strand and a sense strand complementary to the antisense strand forming a duplex region. The nucleotide sequence of the antisense strand is as shown in SEQ ID NO: 8, 11, or 13, or the nucleotide sequence of the antisense strand is a modified sequence of the sequence shown in SEQ ID NO: 8, 11, or 13. Results from cell and animal experiments demonstrate that the double-stranded RNAi agent provided in the present disclosure can significantly reduce the expression of one or more HBV genes, block the viral life cycle, and can be used to develop drugs for treating diseases related to HBV gene expression.

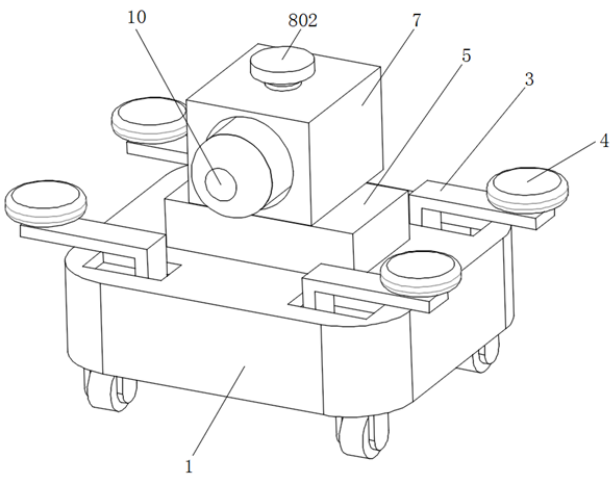


21: 2025/05810. 22: 2025/07/08. 43: 2026/02/19
51: G01B; G01N
71: GUANGDONG UNIVERSITY OF PETROCHEMICAL TECHNOLOGY
72: SHEN, Shuqian, KANG, Fangchao, WANG, Zehua, CHEN, Guan, CAI, Yaxin, ZHANG, Hang

54: PROBE INSTALLATION DEVICE FOR PIPELINE CORROSION DETECTION

00: -

The present invention discloses a probe installation device for pipeline corrosion detection, falling within the field of pipeline inspection technology. The device comprises a base housing a movable mechanism, with an L-shaped support plate mounted on top, and an auxiliary wheel affixed for flexible positioning. A positioning box is mounted on the base and contains a rotating shaft supported by bearings, with an installation sleeve fixed to its top. A corrosion detection probe is inserted into the sleeve. A servo motor, in conjunction with a driving gear and driven gear, enables the rotating shaft and sleeve to rotate horizontally, allowing the probe to adjust its direction for improved coverage. This design facilitates stable installation of the probe while expanding the detection range and improving directional control. The structure simplifies probe orientation adjustment and increases detection efficiency, making the device suitable for comprehensive pipeline corrosion monitoring in industrial environments

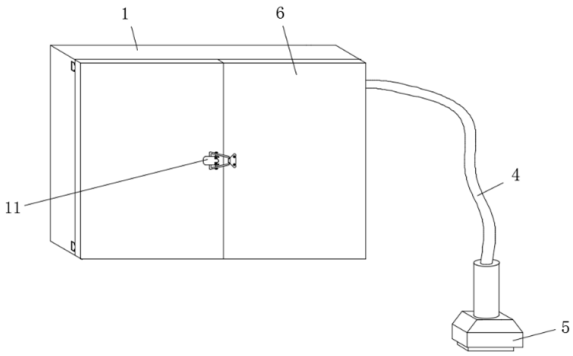


21: 2025/05812. 22: 2025/07/08. 43: 2026/02/19
51: G01N
71: CHAOHU UNIVERSITY, ANHUI SHANGZHAN MOULD INDUSTRIAL CO., LTD
72: WANG, Yuqin, JIA, Bin, WANG, Yuexia, ZHENG, Xiang, WANG, Shan, WANG, Weijun, TANG, Bo

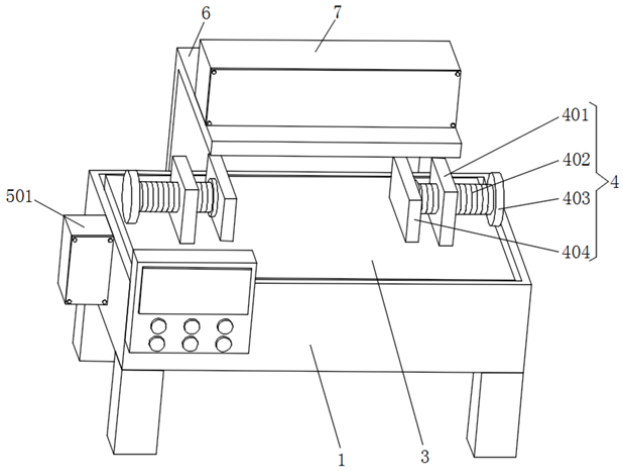
54: LASER INDUCED FLUORESCENCE INSPECTION DEVICE FOR INTERNAL CORROSION DETECTION IN CENTRIFUGAL PUMPS

00: -

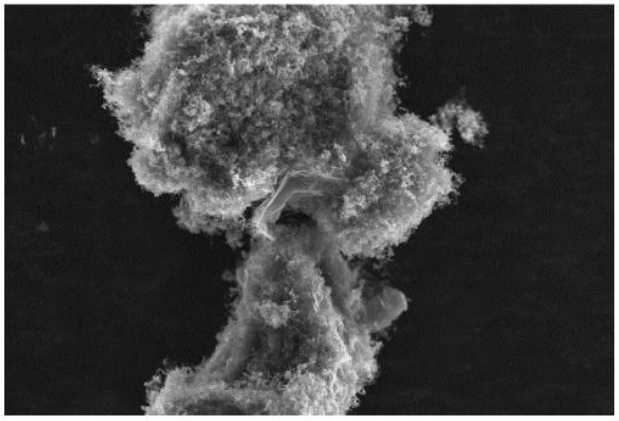
Disclosed is internal corrosion detection technology for centrifugal pumps and discloses a laser-induced fluorescence inspection device designed to enhance corrosion monitoring. The device includes a protective box equipped with positioning components on both sides, each comprising two positioning plates. An ultrasonic detection device main body is mounted within the protective box, with a detection connection line extending to a detachable detection head. Protective doors are arranged on both sides of the box to safeguard internal components. The structure allows precise and stable installation of the ultrasonic detection main body using the positioning plates, enhancing operational stability. The detection head, connected via a flexible line, facilitates efficient inspection of internal corrosion areas within the centrifugal pump. The protective box and doors offer added protection to sensitive components, ensuring safe and durable operation in harsh environments. This device effectively combines optical and ultrasonic technologies for improved corrosion assessment accuracy and operational reliability.



21: 2025/05813. 22: 2025/07/08. 43: 2026/02/19
51: G01N
71: CHAOHU UNIVERSITY, ANHUI UNIVERSITY
72: WANG, Yuqin, LI, Guang, HOU, Guanyu
54: LASER ULTRASONIC DETECTION DEVICE FOR INTERNAL DEFECT INSPECTION IN CENTRIFUGAL PUMP COMPONENTS
00: -
Disclosed is a laser ultrasonic detection device for inspecting internal defects in centrifugal pump components. The device includes a detection table with rotating shafts mounted on both sides via bearings, supporting a bearing plate on which a centrifugal pump is fixed using a dedicated clamping mechanism. A pulse laser is integrated to perform non-contact ultrasonic inspection, enabling the detection of internal defects with high precision. An adjustment mechanism is positioned on the side of the detection table, while an L-shaped support plate is fixed at the back for structural reinforcement. A first motor, together with a driving and driven gear system, drives the bearing plate to rotate, allowing the fixed centrifugal pump to flip during inspection. This flipping function expands the detection range and improves accuracy, addressing the inconvenience of multi-angle detection in traditional methods. The invention offers enhanced accessibility, precision, and automation for pump component testing.



21: 2025/05814. 22: 2025/07/08. 43: 2026/02/19
51: H01M
71: XIAMEN KNANO GRAPHENE TECHNOLOGY CO., LTD, YONG'AN KNANO NEW MATERIAL TECHNOLOGY CO., LTD.
72: Yanlong Fang, Jiangbin Hong, Chongqing Fang
33: CN 31: 202411984856.7 32: 2024-12-31
54: CARBON NANOTUBE/GRAPHITE HYBRID MATERIAL AND PREPARATION METHOD THEREOF AND LITHIUM-ION BATTERY
00: -
A carbon nanotube/graphite hybrid material and a preparation method thereof and a lithium-ion battery are provided, belonging to the technical field of carbon materials. The preparation method includes: mixing a surfactant, expanded graphite, and water to obtain a graphite dispersion, and then removing water therein to obtain a modified graphite; mixing the modified graphite, a soluble metal salt, water, and an optional ammonium salt to prepare a metal salt-graphite dispersion; after removing water therein, calcin the obtained solid product at a low temperature to obtain a graphite-supported metal catalyst; forming carbon nanotube by chemical vapor deposition of carbon source gas to obtain a carbon nanotube/graphite hybrid material. The method of the present application can efficiently prepare the carbon nanotube/graphite hybrid material, and the carbon nanotube in the hybrid material have a good electron transmission path with graphite, which can effectively improve the electrochemical performance of lithium-ion battery.

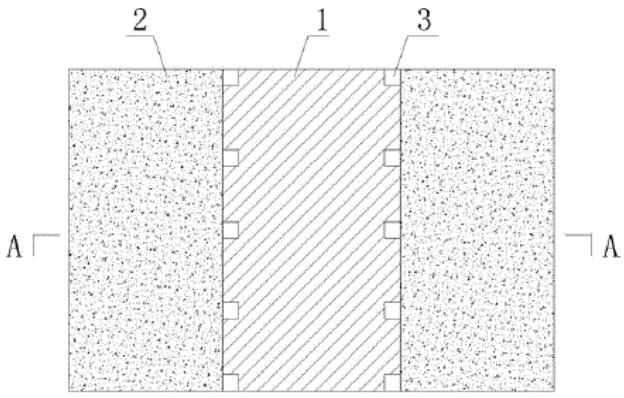


21: 2025/05815. 22: 2025/07/08. 43: 2026/03/09
51: E21C
71: CHANGSHA INSTITUTE OF MINING RESEARCH CO., LTD
72: Chang LIU, Huining NI, Yilong LI, Gexuanzi LUO, Ziyang GUO, Xu WANG, Liang ZHAO, Xingyu TAN
33: CN 31: 202510283584.6 32: 2025-03-11

54: METHOD FOR MINING STOPE BETWEEN LARGE-VOLUME FILLING BODIES

00: -

Disclosed in the present disclosure is a method for mining a stope between large-volume filling bodies. The method includes: firstly, isolating the stope from large-volume filling bodies by artificial solid masses; then dividing the stope into a plurality of ore blocks along a height direction; stopping each of the ore blocks in sequence from bottom to top; and performing filling after each of the ore blocks is stopped. By constructing solid isolation walls on both sides of a stope to be stopped in the height direction, the isolation walls are located between the large-volume filling bodies and an ore body to be stopped, and the entire construction process of the isolation walls is within the stope to be stopped. After the isolation walls are formed, during the stopping process of the stope to be stopped, rock drilling and blasting construction are both protected by the isolation walls, which not only avoids continuous disturbance of the stope to be stopped and isolates the impact of blasting, but also limits the movement and deformation of the filling bodies, thereby fundamentally solving the problem of instability and collapse of the filling bodies when mining in the stope adjacent to the large-volume filling bodies. In addition, there is no loss of mine wall resources in the stope.



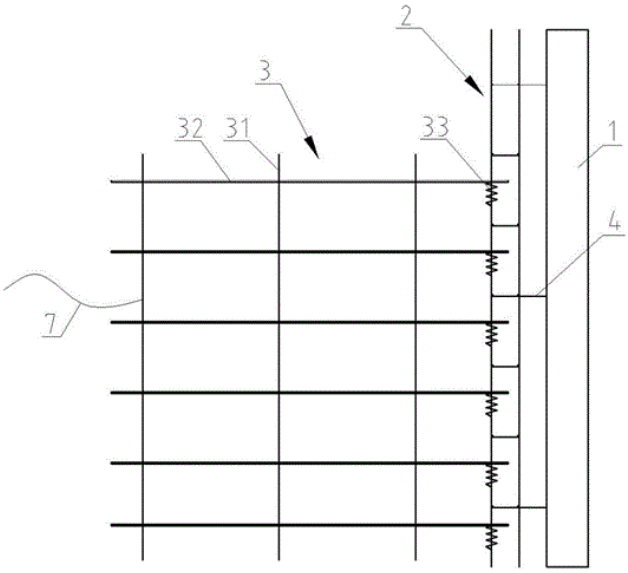
21: 2025/05818. 22: 2025/07/08. 43: 2026/02/19
51: E21C
71: CHANGSHA INSTITUTE OF MINING RESEARCH CO., LTD
72: Chang LIU, Yinghua HUANG, Min QIN, Zeyang GUO, Liang ZHAO, Weiming LI, Guanying LV
33: CN 31: 202410761068.5 32: 2024-06-13

54: HIGH-EFFICIENCY CONTINUOUS MINING METHOD WITH SEPARATED MINIG AND FILLING

00: -

Disclosed is a high-efficiency continuous mining method with separated mining and filling, which includes the following steps: dividing an ore body into several extraction units, where a first extraction unit is in communication with a strike drift through a drilling drift, and the remaining extraction units are in communication with the strike drift through an ore removal roadway; after mining the first extraction unit, separating a goaf into a replacement area and a receiving area that are independent by a splicing wall, and then filling the replacement area, while not filling the receiving area; performing breakdown by blasting, by the second extraction unit, the receiving area row by row by using the receiving area reserved by the first extraction unit as a blasting free surface, and removing ores; separating a goaf of the second extraction unit into a replacement area and a receiving area that are independent by a splicing wall; filling the receiving area of the first extraction unit and the replacement area of the second extraction unit, and not filling the receiving area of the second extraction unit; and performing operations by party of reasoning until mining and filling of all extraction units are finished. The partition wall in the present disclosure divides each goaf into two independent parts: the replacement area and the receiving area, such that each goaf reserves the receiving area as a free space for breakdown by

blasting of the subsequent extraction units, which can not only cut off the direct contact between the blasting operation and the filling body to minimize the damage to the filling body caused by the blasting impact, but also prevent filling and consolidation from delaying mining of the subsequent extraction units, thereby greatly improving the overall mining efficiency.

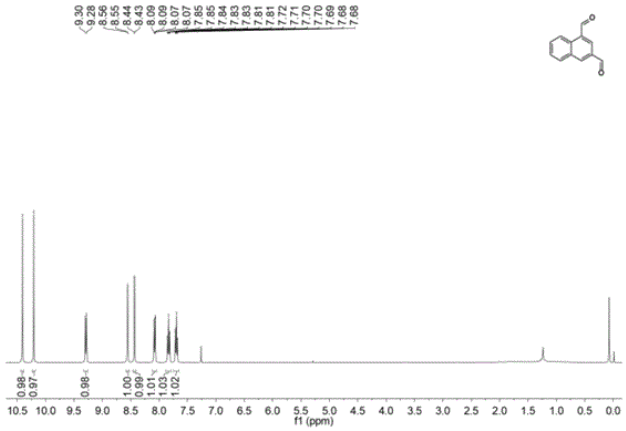


21: 2025/05819. 22: 2025/07/08. 43: 2026/02/19
51: C07C
71: Sichuan University
72: Haiyan FU, Hua CHEN, Meixin YAN, Yonglin SHI, Ruixiang LI, Xueli ZHENG, Weichao XUE, Jiaqi XU
33: CN 31: 2024110267775 32: 2024-07-30

54: SYNTHESIS METHOD FOR TRANSFORMING PYRIDINE INTO AROMATIC DIALDEHYDE

00: -

The present invention relates to the technical field of organic synthesis, and in particular, to a synthesis method for transforming pyridine into an aromatic dialdehyde. The synthesis method includes the following steps: activating the pyridine with an activating reagent; subjecting activated pyridine to nucleophilic ring-opening with an amine to form a ring-opened product called streptocyanine; introducing a Vilsmeier reagent to the ring-opened product; and performing ring closure and hydrolysis to obtain the aromatic dialdehyde, providing the advantages of an inexpensive and readily available substrate, i.e., the pyridine, a well-established and easy-to-operate pyridine modification technique, diverse functional groups, a satisfactory reaction yield, superior atom economy, broad functional group tolerance, applicability to both mono- and poly-substituted substrates containing common groups such as alkyl, halogen, alkoxy, aryl, and ester groups, and outstanding application potential.

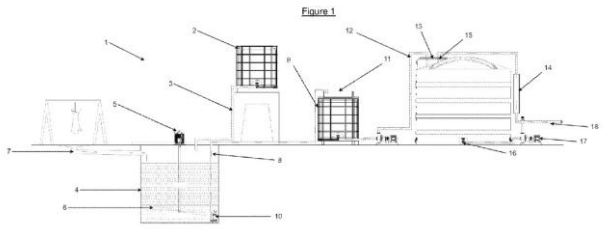


21: 2025/05827. 22: 2025/07/08. 43: 2026/02/19
51: C05F
71: VAN VUUREN, Nico
72: VAN VUUREN, Nico
33: ZA 31: 2023/00692 32: 2023-01-17

54: LIQUID FERTILISER AND A METHOD OF MANUFACTURING THEREOF

00: -

The invention relates to a liquid fertiliser composition with a basic pH for use in the inoculation of a predetermined substrate or in foliar feeding. The composition comprises a mixture of predetermined concentrations of at least one animal by-product; water; a base; an anti-foaming agent; urea; a pH buffer agent; and a density regulating agent. The mixture has a pH above 7 with a preselected stability and efficacy for a suitable period to allow a predetermined level of alkaline hydrolysis to take place at ambient temperatures without heating to improve the fertility of the predetermined substrate or to add nutrients to plants during foliar feeding in a cost-effective manner.



21: 2025/05841. 22: 2025/07/09. 43: 2026/02/19
51: C04B
71: Central South University
72: SUN, Wei, WANG, Yanxiu, WANG, Li, HAN, Haisheng, GAO, Zhiyong, HU, Wenjihao, WANG, Fan

54: PREPARATION METHOD OF HIGH-SPECIFIC-STRENGTH SOLID WASTE CERAMSITE

00: -

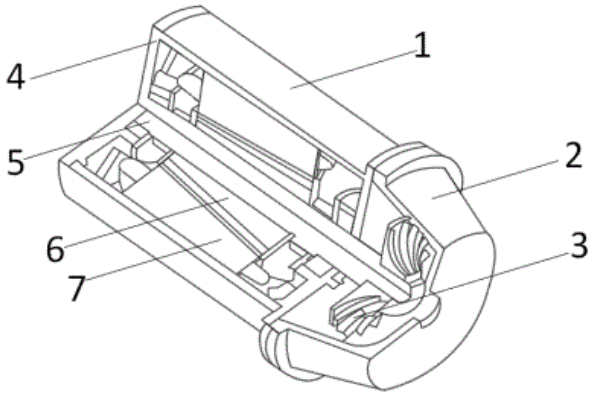
The present invention provides a preparation method of solid waste ceramsite, including the following steps: performing a first mixing on mining and metallurgical solid waste to obtain a mixed raw meal; where the composition of the mixed raw meal meets the following requirements: SiO2 content less than or equal to 45 percent by weight, 35 percent by weight less than or equal to (Al2O3+Fe2O3) content less than or equal to 60 percent by weight, and CaO content less than or equal to 5 percent by weight; the mining and metallurgical solid waste includes tailings and red mud; performing a second mixing on a portion of the mixed raw meal and water, followed by granulation to obtain raw meal pellets; preheating the raw meal pellets, followed by performing a third mixing on the raw meal pellets and a remaining mixed raw meal, and then performing hole sealing to obtain a hole sealing material; and sintering the hole sealing material to obtain the solid waste ceramsite.

21: 2025/05842. 22: 2025/07/09. 43: 2026/02/19
51: F03B
71: Hunan Institute of Engineering
72: Jiabao WANG, Songyu YANG, Junhui LIU, Shide CAO

54: A TURBINE DIRECT-DRIVE CONICAL ROTOR PERMANENT MAGNET SYNCHRONOUS GENERATOR SET

00: -

[48]The invention relates to the field of waste heat power generation, and specifically discloses a turbine direct-drive conical rotor permanent magnet synchronous generator set, including a casing, a turbine, a shaft, a conical rotor and a stator core with windings. The outer side of the shaft is respectively fixed with a conical rotor and a turbine. The outer side of the conical rotor of the motor is equipped with a stator core with windings. The stator core with windings is fixedly embedded in the inner wall of the casing. The outer circle of the conical rotor is matched with the inner circle of the stator core with windings in a conical structure. The conical rotor is axially movable and the cone angle is adjustable. The conical rotor and stator core are made of new high-performance materials, and the conical rotor and stator core adopt advanced manufacturing process. The invention has simple mechanical connection structure, high working efficiency, long service life and low maintenance cost. After adopting the scheme of the invention, the motor can maintain long-term operation, and its service life is the life of the motor itself.



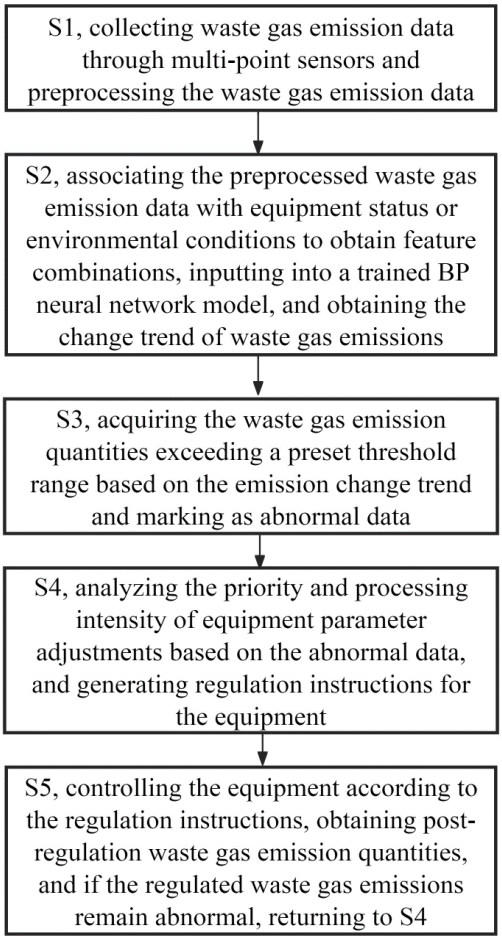
21: 2025/05843. 22: 2025/07/09. 43: 2026/02/19
51: E21F
71: Henan University of Urban Construction
72: CAI Yujie, LI Deying, LI Yajie, XU Huafeng

54: METHOD AND SYSTEM AND ELECTRONIC DEVICE FOR REGULATING COAL CHEMICAL WASTE GAS EMISSIONS BASED ON STOCHASTIC CONTROL

00: -

The present invention relates to a method, a system, and an electronic device for regulating coal chemical waste gas emissions based on stochastic control. The method includes: S1, collecting waste gas emission data through multi-point sensors and preprocessing the waste gas emission data; S2, associating the preprocessed waste gas emission data with equipment status or environmental

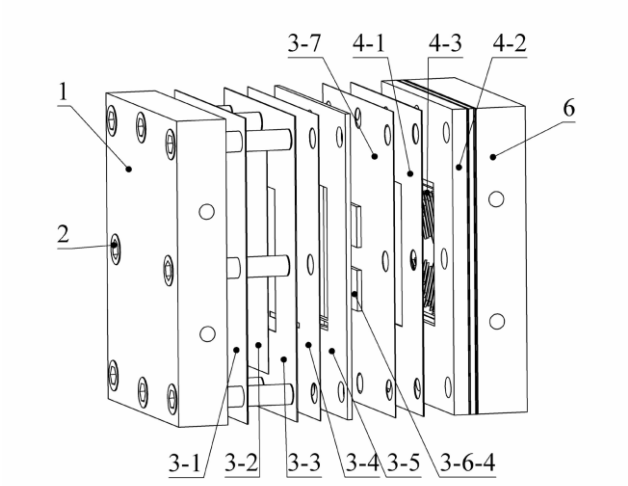
conditions to obtain feature combinations, inputting into a trained BP neural network model, and obtaining the change trend of waste gas emissions; S3, acquiring the waste gas emission quantities exceeding a preset threshold range based on the emission change trend and marking as abnormal data; S4, analyzing the priority and processing intensity of equipment parameter adjustments based on the abnormal data, and generating regulation instructions for the equipment; and S5, controlling the equipment according to the regulation instructions, obtaining post-regulation waste gas emission quantities, and if the regulated waste gas emissions remain abnormal, returning to S4. The invention achieves intelligent monitoring of waste gas emissions and automatic regulation of equipment, effectively reducing abnormal emissions and improving environmental protection outcomes.



21: 2025/05845. 22: 2025/07/09. 43: 2026/02/19

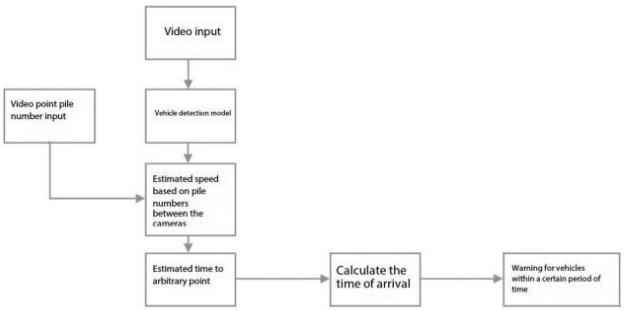
51: B01D
71: UNIVERSITY OF JINAN
72: ZHU, Xiaoxuan, HAO, Zhenhan, ZHENG, Pengchao, LIU, Xuan, SONG, Zhuang, SU, Zhengxian, HU, Zhuo, GUO, Guangzhen, LIU, Xinying, WANG, Shiqiang
33: CN 31: 2024111782400 32: 2024-08-27
54: A NOVEL AIR-GAP MEMBRANE DISTILLATION MODULE
00: -

The present invention relates to a novel air-gap membrane distillation module comprising two hot-side upper covers, two distillation devices, and one heat dissipation assembly. Each distillation device is configured to perform a complete membrane distillation process, wherein the cold side is cooled by a semiconductor refrigeration sheet. The hot-side flow channel is integrated into a hot-side gasket, which is fixed to the hot-side upper cover by countersunk head screws, thereby forming a replaceable flow channel structure. Furthermore, the thickness of the cold-side air gap can be adjusted by replacing silicone gaskets of varying thicknesses. This design achieves reduced energy consumption, time savings, and lower material costs.



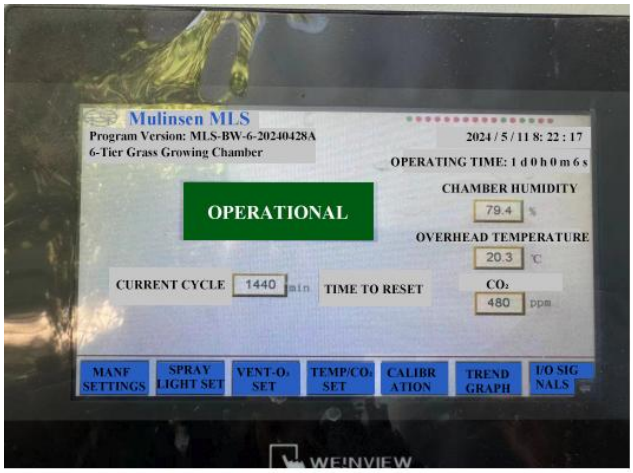
21: 2025/05847. 22: 2025/07/09. 43: 2026/02/19
51: G06T
71: Chongqing Shouxun Technology Co., Ltd., Chongqing Expressway Group Co., Ltd
72: CHEN Xingzhou, WANG Shisen, WANG Jingting, DAI Xiaohong, LAI Xin, DAI Ning, LI Haibo, HE Ying, LIU Zhen, LI Dejuan, WANG Hao, CAI Xiao
54: A METHOD FOR ENHANCING ACCIDENT WARNING EFFICIENCY BASED ON VIDEO TRAJECTORY PREDICTION

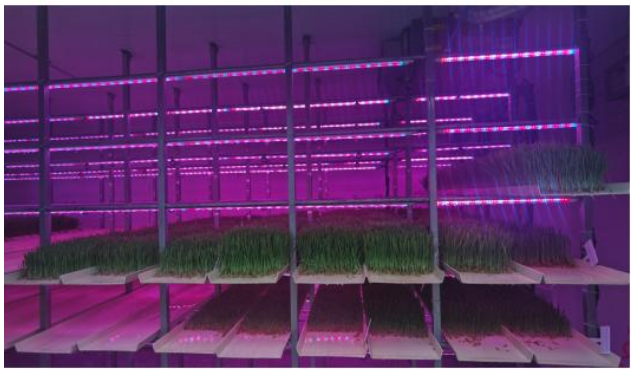
00: -
The present invention discloses a method for improving accident warning efficiency based on video trajectory prediction. This method utilizes monitoring image data collected by tunnel cameras to train a YOLOv5 target detection model through annotated detection. The YOLOv5 model analyzes the collected point-position video image data and ultimately identifies candidate regions. Additional prior information—such as the number of vehicles in the candidate region, trajectory behavior, target size, and texture features—is used to perform secondary filtering, enabling real-time accident warnings at the vehicle level. This vision-based vehicle accident warning method is cost-effective, allowing for calculations and warnings on both macro and micro levels for each individual vehicle, significantly enhancing the safety of vehicles traveling within tunnels.



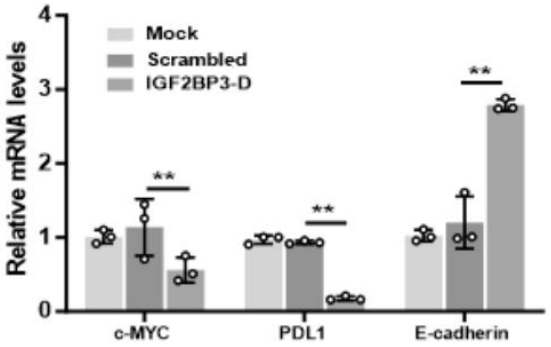
21: 2025/05850. 22: 2025/07/09. 43: 2026/02/19
51: A23L
71: JINZHONG UNIVERSITY
72: Xiaoxia, LIU, Zhuning, YUAN, Aiguo, LUO, Qi, YI, Jia, ZHAO, Jianwei, HAO
54: A SMEAR-TYPE SEMI-SOLID SEASONING SAUCE AND ITS PREPARATION METHOD THEREOF
00: -
A smear-type semi-solid seasoning sauce and its preparation method thereof, this invention relates to the field of food preparation technology, the sauce is made from the following components by mass: livestock and poultry livers 80-120 parts, edible oil 10-20 parts, spices 5-15 parts, seasonings 3-8 parts, thickeners 0.5-2 parts, antioxidants 0.01-0.05 parts, and water 20-40 parts. The sauce provides various nutrients, delicate Taste, unique flavor, different use style and good Stability.

21: 2025/05851. 22: 2025/07/09. 43: 2026/02/19
51: A01C; A01G; A61L
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES
72: LIU, Zhiping, LI, Tao, Batu, MA, Yu, LV, Ersuo, QU, Jiahui, XU, Guangxiang, LI, Jianbo, XU, Shoujun, XING, Liwei, WEN, Ruiqiang, XU, Jingrong, NIU, Suqing, LIU, Jinchuan
33: CN 31: 2025100802829 32: 2025-01-20
54: METHOD FOR CULTIVATING SEEDLINGS OF DISEASE-RESISTANT BARLEY VARIETY
00: -
The present invention relates to the technical field of barley seedling cultivation, and more particularly, to a method for cultivating seedlings of a disease-resistant barley variety. The present invention provides a method for cultivating seedlings of a disease-resistant barley variety, including the following steps: (1) sterilizing barley seeds followed by rinsing; (2) immersing the barley seeds obtained in step (1) in the Mulinsen seedling-promoting solution, followed by re-rinsing; and (3) placing the barley seeds obtained in step (2) in a seedling tray, followed by transferring to a growth chamber for cultivation. The objective of the present invention is to provide a cultivation process for barley seedlings. Through meticulous seed treatment sequences including raising, sterilizing, and immersing, combined with standardized growth chamber sterilization and seed transfer protocols, the present invention addresses technical deficiencies in conventionalbarley seedling cultivation including, but not limited to seed susceptibility to fungal proliferation, secondary contamination risks, delayed germination, and restricted growing space, thereby enhancing cultivation success rates and output quality.

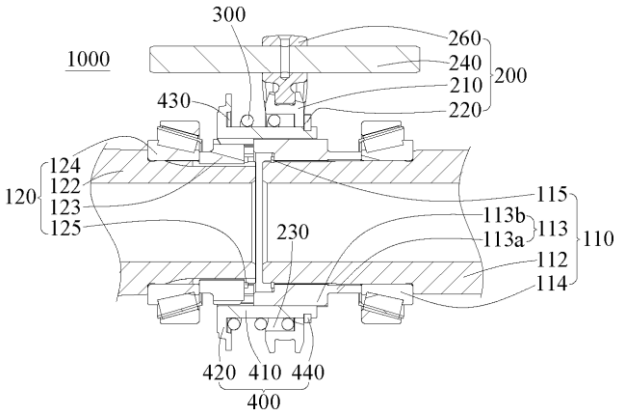




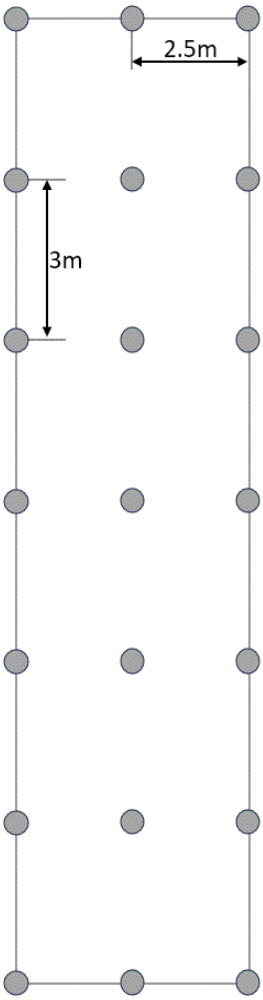
21: 2025/05868. 22: 2025/07/09. 43: 2026/02/19
51: C12N
71: Chongqing Medical University
72: TANG Ni, WANG Kai, NIE Dan, TANG Xin
33: CN 31: 202310058936.9 32: 2023-01-16
54: SINGLE-STRANDED OLIGONUCLEOTIDE TARGETING IGF2BP3 PROTEIN AND USE THEREOF
00: -
Provided are a single-stranded oligonucleotide targeting an IGF2BP3 protein and a use thereof. The single-stranded oligonucleotide is obtained by any one of the following codes: 1) a nucleotide sequence as shown in SEQ ID NO. 1; 2) a nucleotide sequence obtained by chemically modifying the nucleotide sequence as shown in SEQ ID NO. 1; 3) a nucleotide sequence that is obtained by substituting, deleting and/or adding one or more nucleotides in the nucleotide sequence as shown in SEQ ID NO. 1 and has the same function; and 4) a nucleotide sequence having 90% or more homology with the nucleotide sequence of 1), 2) or 3) and having the same function. The single-stranded oligonucleotide can block the mRNA binding capability of the IGF2BP3 protein for recognition of the single-stranded oligonucleotide in a targeted manner, and has application value in liver cancer proliferation and metastasis.



21: 2025/05871. 22: 2025/07/09. 43: 2026/02/19
51: F16D
71: BYD COMPANY LIMITED
72: YANG, Shenglin, GAO, Yuan, CHEN, Yong, ZHANG, Hongming, XIE, Lihua
33: CN 31: 202310013984.6 32: 2023-01-05
54: POWER COUPLING DEVICE, POWER ASSEMBLY AND VEHICLE
00: -
A power coupling device (1000), a power assembly (2000) and a vehicle (3000). The power coupling device comprises a driving assembly (200), a coupling member (400), an elastic member (300), a first power assembly (110), and a second power assembly (120). Two ends of the elastic member (300) are respectively fitted with the driving assembly (200) and the coupling member (400), and the first power assembly (110) is in normal transmission connection with the coupling member (400). When the power coupling device is in a coupled state, the second power assembly (120) and the coupling member (400) are in transmission connection. When the power coupling device is in a decoupled state, the second power assembly (120) and the coupling member (400) are disconnected from each other. The driving assembly drives the elastic member (300) so as to drive the coupling member (400), such that the power coupling device switches from the decoupled state to the coupled state.

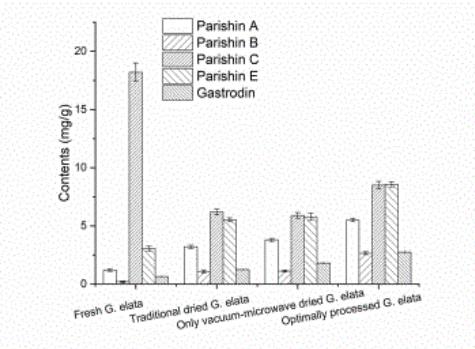


21: 2025/05878. 22: 2025/07/10. 43: 2026/02/19
51: E02D
71: CHENGDU UNIVERSITY OF TECHNOLOGY, Tianfu Yongxing Laboratory, Huaneng Xizang the Yarlung Zangbo River Hydropower Development Investment Co., Ltd, Dingxi Soil and Water Conservation Science Research Institute
72: TANG Xiaolu, MA Xinshan, YAN Dong, OUYANG Haijun, CAO Longxi, WANG Shuai, WU Xiaoyi, CHENG Yixuan, LIU Qian, WANG Shijun, LI Pingfeng, CHENG Xuejun, BO Yongming, YU Haixia
54: EROSION PILE DEVICE FOR MONITORING SOIL EROSION ON ROAD SLOPES
00: -
The present invention patent relates to the technical field of soil erosion monitoring equipment, and discloses an erosion pile device for monitoring soil erosion on road slopes, comprising an erosion pile body. The erosion pile adopts circular steel bars coated with epoxy resin with a diameter of 1.0-1.5 cm and a length of 50 cm. The bottom end is sharp and conical, and the body has a scale line with a unit of 1 mm. When the body is installed, it is vertically inserted into the soil for 20-30 cm, and the exposed part is sprayed with red paint. Read the height of the current erosion pile exposed to the ground surface and compare it with the initial measurement value to determine the degree of soil erosion or accumulation. The device has a stable structure, easy installation, good weather resistance, and high monitoring accuracy, especially suitable for long-term soil erosion monitoring in complex environments of high-altitude mountainous areas.



21: 2025/05880. 22: 2025/07/10. 43: 2026/02/19
51: A61K
71: Chongqing Academy of Chinese Materia Medica
72: WU, Zhen, WANG, Yongde, GUO, Lian'an, CHEN, Gang
54: METHOD FOR SIMULTANEOUSLY INCREASING AND STABILIZING CONTENTS OF PHENOLIC GLYCOSIDES IN GASTRODIA ELATA
00: -
Disclosed is a method for simultaneously increasing and stabilizing contents of phenolic glycosides in Gastrodia elata, including the following steps: sequentially performing ultrasonic cleaning with a saline solution, soaking pretreatment with an acetic acid-sodium acetate buffer solution, microwave enzyme inactivation, and secondary mild acidification pretreatment with a citric acid-sodium citrate buffer solution on fresh G. elata, and finally drying under combined microwave-vacuum conditions to obtain a finished G. elata product. An

ultrasonic power, frequency, and duration are respectively 80-90 W, 10-15 kHz, and 3-5 min; the saline solution is NaCl at a mass concentration of 3-5 percent; and microwave enzyme inactivation is performed at a power of 850-950 W, a frequency of 950-1,000 mHz, and a treatment duration of 2-8 min. The processing method simultaneously increases and stabilizes the contents of the phenolic glycosides in G. elata, thereby enhancing suitability for medical use and health promoting effects of G. elata.



21: 2025/05881. 22: 2025/07/10. 43: 2026/02/19
51: A61K
71: Ji Zhang
72: Ji Zhang
33: CN 31: 2025107067585 32: 2025-05-29

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING SKIN DISEASES AND PREPARATION METHOD THEREOF

00: -

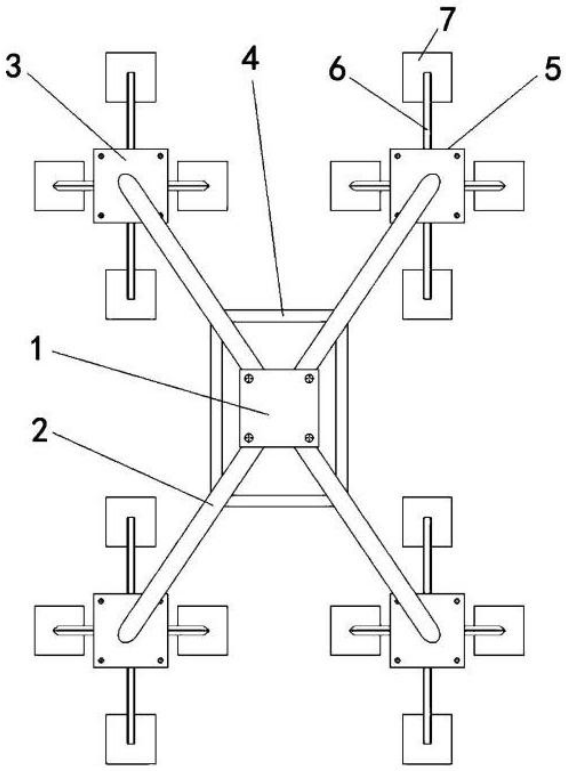
A traditional Chinese medicine composition for treating skin diseases, wherein it comprises the following raw materials by weight parts: 6-12 parts of panax notoginseng, 8-15 parts of salvia miltiorrhiza, 10-20 parts of ligusticum chuanxiong, 8-15 parts of curcuma longa, 15-35 parts of angelica sinensis, 3-8 parts of santalum album, 3-8 parts of aurantii fructus immaturus, 40-60 parts of cinnamomum cassia twig, 8-15 parts of corydalis yanhusuo, 8-15 parts of curcuma zedoaria, 2-5 parts of carthamus tinctorius, 5-12 parts of pueraria lobata, 8-15 parts of rehmannia glutinosa, 3-8 parts of citrus reticulata peel, 8-15 parts of prunella vulgaris, 3-8 parts of trichosanthes kirilowii root, 15-35 parts of tribulus terrestris, 15-35 parts of cicada slough, 5-12 parts of bombyx batryticatus, 8-15 parts of drynaria fortunei.

21: 2025/05906. 22: 2025/07/10. 43: 2026/02/20
51: G01N
71: LANZHOU UNIVERSITY OF TECHNOLOGY
72: WANG, Xiuli, MA, Yongjiong, CUI, Jian, JIN, Lijia, WANG, Kang, ZHU, Zhongcheng, CHENG, Rongrong

54: TEST DEVICE FOR SIMULATING MULTI-POINT HORIZONTAL DYNAMIC LOADS AND TEST METHOD THEREOF

00: -

The present invention discloses a test device for simulating multi-point horizontal dynamic loads and a test method thereof. The test device includes a main frame, the main frame includes a load-bearing steel plate, first force-transfer steel tubes, first support steel plates, and stiffening steel tubes, a plurality of first force-transfer steel tubes are symmetrically fixed on one surface of the load-bearing steel plate to form a claw-shaped configuration, the other end of each first force-transfer steel tube is fixedly connected to one first support steel plate, respectively, the plate surfaces of first support steel plates are coplanar; and a stiffening steel tube is fixedly connected between adjacent first force-transfer steel tubes. The test device further includes sub-frames having a structure substantially identical to that of the main frame, wherein each first support steel plate of the main frame is removably connected to one sub-frame. The test device of the present invention features a simple structure and flexible operation, and is capable of simulating dynamic responses at multiple locations.

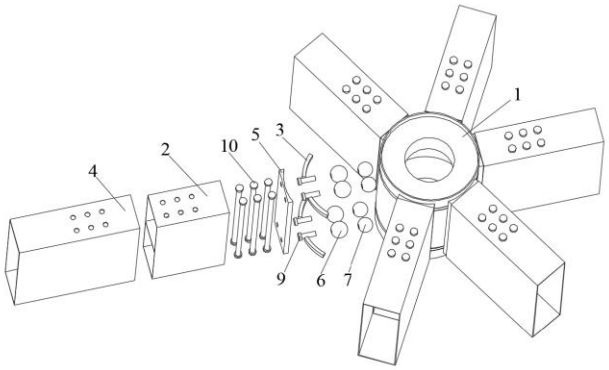


21: 2025/05907. 22: 2025/07/10. 43: 2026/02/20
51: F16L
71: LANZHOU UNIVERSITY OF TECHNOLOGY
72: WANG, Xiuli, WU, Zheng, YI, Jinran, WANG, Renhong, GOU, Baolong

54: STEEL-ALUMINUM COMPOSITE JOINT WITH ADJUSTABLE INSTALLATION ANGLE

00: -

The present invention discloses a steel-aluminum composite joint with an adjustable installation angle and relates to the technical field of aluminum alloy single-layer latticed shell structure. The steel-aluminum composite joint includes a drum cylinder, a first slide rail and a second slide rail are respectively disposed at opposite ends of an outer wall of the drum cylinder, each extending along a circumferential direction of the drum cylinder, the first slide rail and the second slide rail are both configured in a T-shape, and a plurality of bolt balls are slidably received within each of the first slide rail and the second slide rail; a connecting end plate, upper and lower ends of the connecting end plate are respectively slidably engaged with the first slide rail and the second slide rail via the bolt balls, and the bolt balls are connected to the connecting end plate via bolts; a connecting support rod, the connecting support rod is connected to an end of the connecting end plate opposite to the bolt balls; and a rod member, the rod member is connected to the connecting support rod. The steel-aluminum composite joint with the adjustable installation angle provided by the present invention enables adjustment of the rod member's position, thereby ensuring precise installation and alignment of rod members between joints.



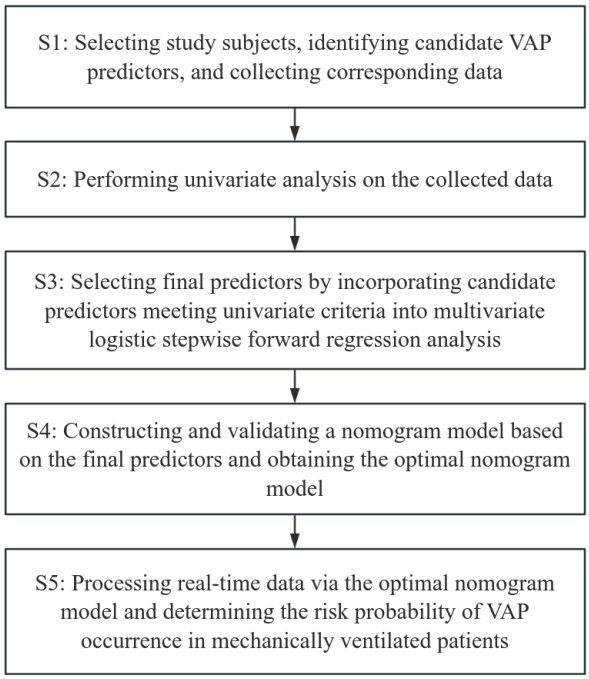
21: 2025/05908. 22: 2025/07/10. 43: 2026/02/20
51: A61M; G01N
71: GENERAL HOSPITAL OF NINGXIA MEDICAL UNIVERSITY
72: LI, Guifang, ZHANG, Guizhen, MA, Rong, YANG, Hongxiao, DING, Yi

54: RISK PREDICTION METHOD FOR VENTILATOR-ASSOCIATED PNEUMONIA IN MECHANICALLY VENTILATED PATIENTS

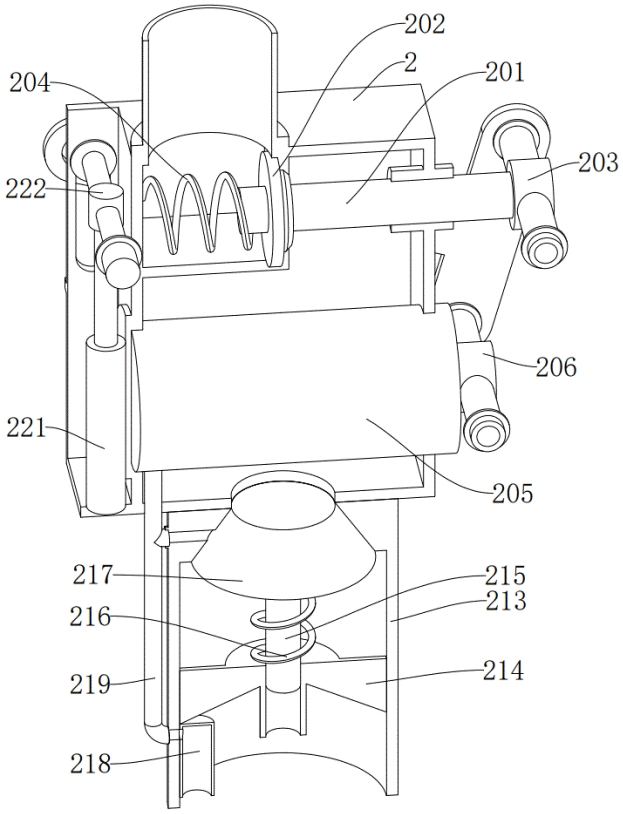
00: -

The present invention discloses a risk prediction method for ventilator-associated pneumonia (VAP) in mechanically ventilated (MV) patients, relating to the field of VAP risk prediction. The method includes selecting study subjects, identifying candidate VAP predictors, and collecting relevant data; performing a univariate analysis on the collected data; selecting final predictors by incorporating candidate predictors meeting univariate criteria into multivariate logistic stepwise forward regression analysis; constructing and validating a nomogram model based on the final predictors and obtaining an optimal nomogram model; and processing real-time data via the optimal nomogram model and determining the risk probability of VAP occurrence in MV patients. Through retrospective studies, the invention establishes a validated nomogram model enabling healthcare providers to quantitatively and scientifically identify high-risk VAP patients at early

stages, thereby achieving accurate risk prediction of VAP development in mechanically ventilated patients.

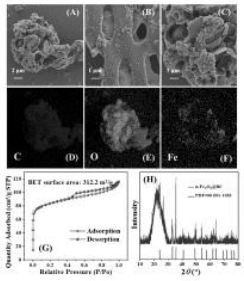


21: 2025/05910. 22: 2025/07/11. 43: 2026/02/20
51: A61M
71: Ningbo Zhenhai Longsai Medical Group
72: Jing Yu
33: CN 31: 2025106970870 32: 2025-05-28
54: IRRIGATION AND DRAINAGE DEVICE FOR WOUND OSTOMATA
00: -
An irrigation and drainage device for wound ostomata, comprising a liquid delivery device, an interlocking closure mechanism, and a transitional passage. The invention addresses the technical problems of existing cleaning devices, which are complex to operate and prone to leakage, incorporates the interlocking closure mechanism, during the irrigation process, this mechanism utilizes changes in the liquid level within the transitional passage to automatically stop the infusion of normal saline, ensuring an appropriate volume of saline is delivered to ostomy bags, this prevents overfilling and potential rupture of the ostomy bags while effectively irrigating the ostomata; additionally, the invention also provides a liquid delivery device, it realizes the automatic cleaning function by controlling a pushing baffle through a pushing motor to squeeze the normal saline. Users can adjust the flow rate and pressure during the cleaning process, simplifying operation and significantly enhancing comfort and efficiency.



21: 2025/05911. 22: 2025/07/11. 43: 2026/02/20
51: B09C
71: Shandong Academy of Agricultural Sciences
72: QI, Yumeng, LI, Yan, WANG, Yanqin, LI, Guangjie, ZHANG, Yingpeng, LIU, Zhaodong, BO, Luji, JING, Yongping, FU, Longyun, ZHONG, Ziwen
33: CN 31: 202510717955.7 32: 2025-05-30
54: HEMATITE-LOADED BIOCHAR MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF IN DEGRADING PHTHALATE ESTERS IN SOIL
00: -
The present invention relates to the technical field of soil remediation, and in particular to a hematite-loaded biochar material and preparation method and application thereof in degrading phthalate esters in soil. In the present invention, biochar and a Fe3+-containing precursor solution (including Fe3+-containing covalent iron salts, CH3COONa, ethanol, and water) are mixed for a hydrothermal crystallization reaction to obtain the hematite-loaded

biochar material. In the present invention, a porous structure of the biochar is utilized to enhance the adsorption of the phthalate esters in the soil. Hematite, when loaded on the surface of the hematite-loaded biochar material, can induce hydrolysis reactions of the phthalate esters, thereby improving the degradation efficiency of the phthalate esters in the soil and avoiding secondary pollution. This material is highly efficient and environmentally friendly, and it has a broad application prospect in the field of remediation of phthalate ester-contaminated soil.

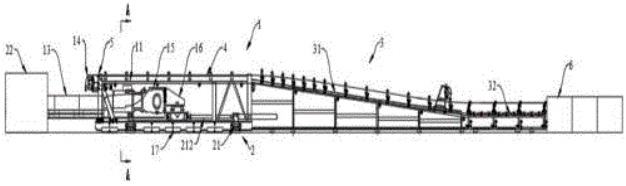


21: 2025/05912. 22: 2025/07/11. 43: 2026/02/20
51: B65G
71: Ningxia Tiandi Northwest Coal Machine Co.,Ltd
72: LUO Tingfeng, ZHANG Fenyou, LIU Zengjie, WANG Xinghong, WANG Zhangui, WANG Pengjia, WU Tao, ZHOU Hailin, SHENG Weiqing, WANG Feifei, CHEN Hao

54: SELF-MOVING CONVEYING AND UNLOADING EQUIPMENT FOR COAL-ASSOCIATED WASTE ROCKS

00: -

The present invention discloses a self-moving conveying and unloading equipment for coal-associated waste rocks, including an unloading mechanism for self-unloading, a power mechanism for controlling the movement of the self-unloading mechanism, a feeding part for transporting gangue, and a traction mechanism for assisting the power mechanism. The unloading mechanism includes a main frame, on which an unloading platform is arranged. A scraper conveyor is slidably arranged on the unloading platform. One side of the scraper conveyor power unit away from the scraper conveyor is fixedly connected with a moving trolley, which is slidably connected with the main frame. The power mechanism includes a forward power unit for controlling the movement of the main frame, and a propulsion power unit arranged at one end of the scraper conveyor away from the unloading mechanism for controlling the movement of the scraper conveyor. The traction mechanism includes a transition part fixedly arranged at one end of the main frame away from the scraper conveyor. One end of the transition part away from the main frame is provided with a telescopic body, which is connected with a unit body. The invention realizes the non-stop backfilling and transportation of gangue when the working face of the self-moving unloading device advances by 3 m.



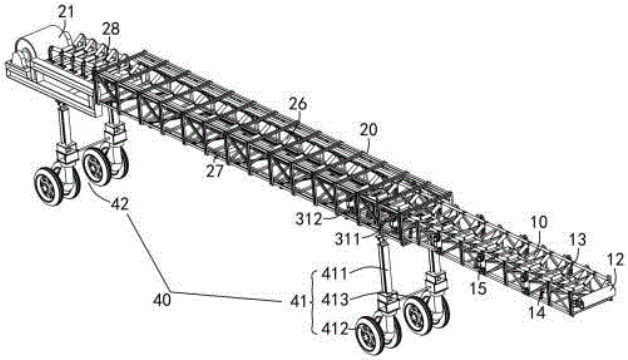
21: 2025/05913. 22: 2025/07/11. 43: 2026/02/20
51: B65G
71: Ningxia Tiandi Northwest Coal Machine Co.,Ltd
72: LAN Chunsen, CAI Ruikun, WU Tao, FENG Baozhong, MA Zhao, YUAN Xiaolong, WANG Ning, ZHANG Cheng, YANG Hai, TONG Jianzhong

54: MOBILE TELESCOPIC BELT CONVEYOR FOR CONVEYING TWO DIFFERENT MATERIALS

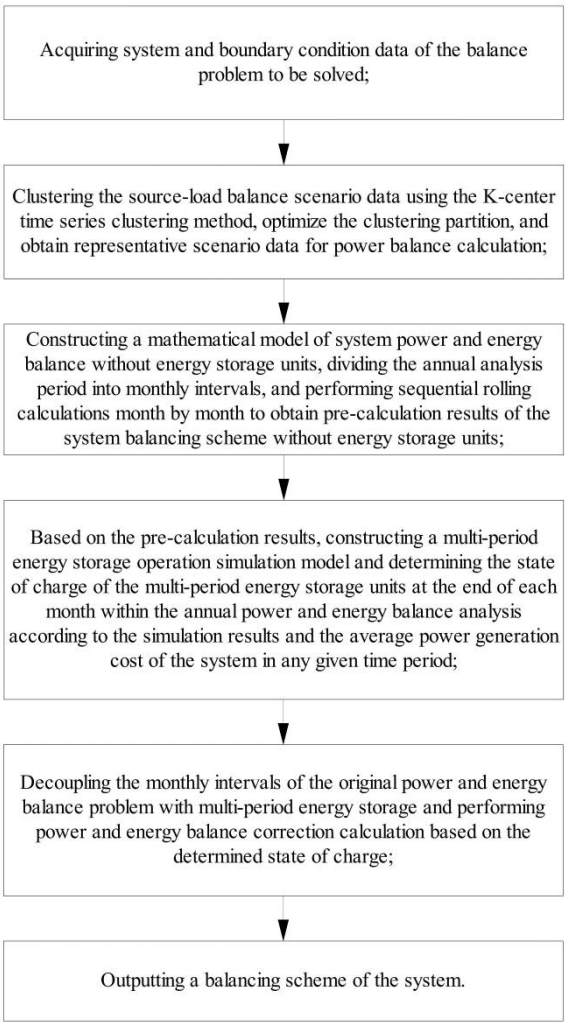
00: -

A mobile telescopic belt conveyor for transporting two different materials, including: a first truss, a second truss, a traveling mechanism, and a moving mechanism. The left end of the first truss is nested within the right end of the second truss, with the second truss mounted on the moving mechanism. This conveyor employs the first and second trusses as its framework, utilizing the gear of the traveling mechanism to provide power and the pin rack as transmission medium to drive the telescopic movement of the first truss within the second truss. The moving mechanism enables omnidirectional movement with ease. The advantageous effects of the present invention are: the nested configuration of the first and second trusses, combined with the round-link chain connection of the second upper idler sets, ensures non-interference during telescopic operation, achieving an extension range of up to 6 meters. The gear-and-pin-rack traveling mechanism overcomes the drawbacks of traditional gear/rack or chain structures that are difficult to manufacture and require complete replacement when a single section is damaged. The gear-and-

pin-rack configuration features independent fault points while maintaining excellent manufacturability and ease of installation.

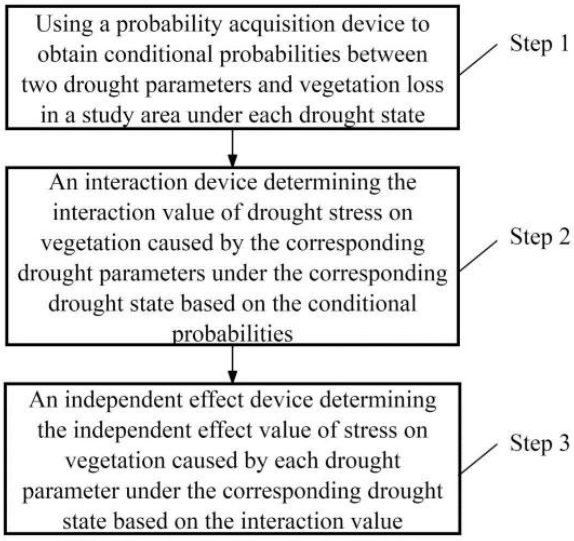


21: 2025/05914. 22: 2025/07/11. 43: 2026/02/20
51: G06F
71: Xi'an Jiaotong University, Northwest Branch of State Grid Corporation of China, Shaanxi Shuzhinengke Electric Power Technology Co., Ltd.
72: Ding Tao, Zhang Hongji, Yu Jinghui, Zhang Xiaotong, He Yuankang, Liu Xingyu, Zhang Biyuan, Wang Shunqi, Ma Zhijie
33: CN 31: 2024109287481 32: 2024-07-11
54: METHOD AND DEVICE FOR CALCULATING MULTI-TIME SCALE POWER AND ENERGY BALANCE WITH MULTI-PERIOD ENERGY STORAGE
00: -
The application relates to the technical field of power system planning and operation, in particular to a method and device for calculating multi-time scale electric power balance with multi-period energy storage, which can solve the problem that it is difficult to accurately judge the specific balancing scheme of the existing power system and the resource adequacy within its own scope to some extent. The method comprises the following steps: Acquiring system and boundary condition data of a balance problem to be solved; K-center time series clustering method is used to cluster the source-load balance scenario data, and obtaining representative balance scenario data; The mathematical model of power and energy balance problem of system without energy storage units is constructed, and the pre-calculation result of system balancing scheme without energy storage units is obtained; The simulation model of multi-period energy storage operation is constructed to determine the state of charge of multi-period energy storage at the end of each month in the annual power and energy balance analysis; Based on the state of charge of multi-period energy storage at the end of the month, the power balance correction calculation is carried out; Outputting the balancing scheme of the system.

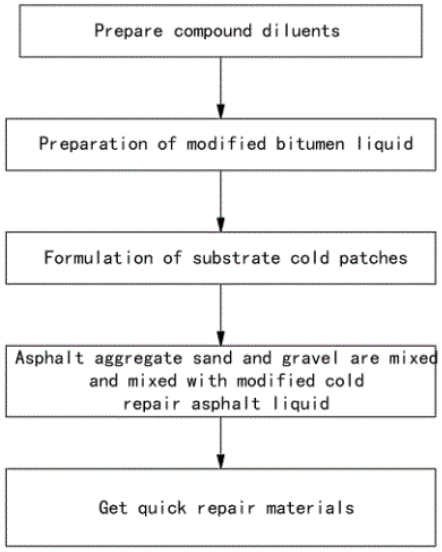


21: 2025/05915. 22: 2025/07/11. 43: 2026/02/20
51: G06F
71: NORTH CHINA UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER
72: HUANG Shengzhi, WEI Xiaoting, GUO Wenwen, WU Haoli, FENG Kai, WANG Fei, LIU Dong, GUO Hui
54: METHOD FOR QUANTIFYING INTERACTION OF DUAL DROUGHT STRESS ON VEGETATION
00: -
The present invention discloses a method for quantifying the interaction of dual drought stress on vegetation, including: a probability acquisition device obtaining conditional probabilities between two

drought parameters and vegetation loss in a study area under each drought state; an interaction device determining the interaction value of drought stress on vegetation caused by the corresponding drought parameters under the corresponding drought state based on the conditional probabilities; and an independent effect device determining the independent effect value of stress on vegetation caused by each drought parameter under the corresponding drought state based on the interaction value.



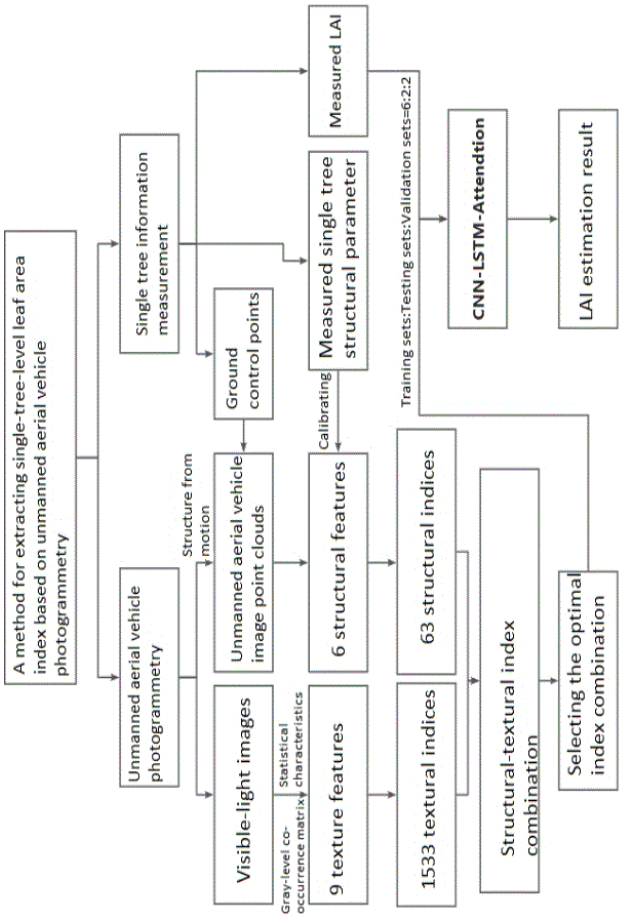
21: 2025/05917. 22: 2025/07/11. 43: 2026/02/20
51: C04B
71: Gansu Province Transportation Planning Survey & Design Institute Co., Ltd., Gansu Changlong Highway Maintenance Technology Research Institute Co., Ltd., Gansu Gonghang Travel Tianzhuang Expressway Management Co., Ltd.
72: Zhongliang Feng, Guohui Zhou, Weiping Zheng, Ziqi Li, Xianglong Feng, Xuyou Wang
54: METHOD FOR PREPARING AND CONSTRUCTING RAPID REPAIR MATERIAL FOR ASPHALT CONCRETE PAVEMENT POTHOLES
00: -
The invention discloses a preparation method for a rapid repair material for potholes in asphalt concrete pavement, comprising the following steps: S1: Preparation of raw materials, including the preparation of a composite diluent; S2: Preparation of modified asphalt liquid, wherein petroleum asphalt is heated, followed by the addition of functional fillers and the composite diluent to form a modified cold-mix asphalt liquid; S3: Preparation of a base cold-mix material, involving crushing and sieving raw materials to obtain skeletal aggregates, and proportioning aggregates of different particle sizes to produce an asphalt aggregate sand and stone with a skeletal void structure; S4: Mixing and stirring the asphalt aggregate sand and stone obtained in S3 with the modified cold-mix asphalt liquid to obtain the rapid repair material for potholes in asphalt concrete pavement. Compared with the prior art, the advantages of the present invention are as follows: It provides a preparation method and construction method for a rapid repair material for potholes in asphalt concrete pavement that is easy to prepare, rapidly cures, and exhibits excellent bonding performance with the original pavement.



21: 2025/05918. 22: 2025/07/11. 43: 2026/02/20
51: A01K
71: Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences
72: TIAN, Jing, SUN, Guoquan, WANG, Xiao, ZHAO, Meng, LI, Hui, LIU, Lixiang, TIAN, Rugang, JIN, Luda, CHEN, Lu
54: CROSSBREEDING IMPROVEMENT AND PRODUCTION METHOD FOR BEEF CATTLE
00: -
The present invention relates to a crossbreeding improvement and production method for beef cattle. Local beef cattle breeds are selected as hybrid cows, and high-quality beef cattle are introduced as hybrid bulls, resulting in hybrid calves that have strong adaptability, fewer diseases, and higher

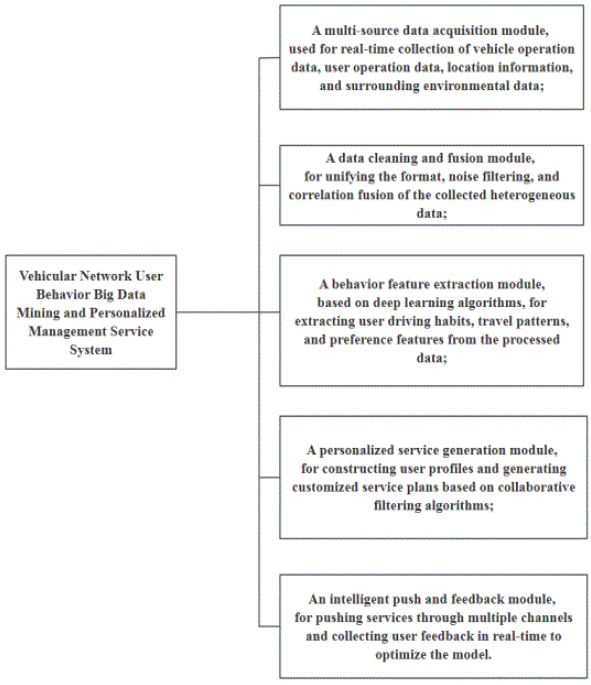
survival rates. Before mating, the cows and bulls are separated by fences for feeding, which ensures interaction and contact between the cow and bull herds, promoting estrus and mating while preventing random mating that could result in large age gaps among the calves and affect their survival rates. By artificially adjusting the pH value of the vaginal mucus of the cows, more than 85 percent of the offspring are male calves, ensuring a high proportion of male cattle births and thereby increasing the output and quality of beef. The beef from the slaughtered adult cattle is bright in color and delicious in taste.

21: 2025/05919. 22: 2025/07/11. 43: 2026/02/20
51: G01C
71: Northwest A&F University
72: LIU Jincheng, CHEN Zhuo, FANG Yiding
54: METHOD FOR EXTRACTING SINGLE-TREE-LEVEL LEAF AREA INDEX BASED ON UNMANNED AERIAL VEHICLE PHOTOGRAMMETRY
00: -
The invention discloses a method for extracting single-tree-level leaf area index based on unmanned aerial vehicle photogrammetry, comprising: acquiring image data of individual trees through multi-rotor unmanned aerial vehicle surrounding photography, and generating 3D point cloud data via structure from motion (SfM); establishing spatial correlation between the image data and the 3D point cloud data; extracting structural features of individual trees from the 3D point cloud data and texture features from the image data; constructing structural-textural index combination schemes by deriving corresponding structural indices and textural indices based on the structural features and texture features, respectively, and selecting the combination scheme with the highest correlation to the leaf area index; building an inversion model for single-tree-level leaf area index based on a CNN-LSTM network architecture, inputting the combination scheme with the highest correlation to the leaf area index for training; and extracting the leaf area index of the target single tree using the trained inversion model. The invention achieves high-precision inversion of leaf area index in complex forest environments.



21: 2025/05920. 22: 2025/07/11. 43: 2026/02/20
51: G06F
71: Shandong University of Science and Technology
72: Yifei Chen
54: VEHICULAR NETWORK USER BEHAVIOR BIG DATA MINING AND PERSONALIZED MANAGEMENT SERVICE SYSTEM
00: -
A vehicular network user behavior big data mining and personalized management service system, including: a multi-source data acquisition module, used for real-time collection of vehicle operation data, user operation data, location information, and surrounding environmental data; a data cleaning and fusion module, for unifying the format, noise filtering, and correlation fusion of the collected heterogeneous data; a behavior feature extraction module, based on deep learning algorithms, for extracting user driving habits, travel patterns, and preference features from the processed data; a personalized service generation module, for constructing user profiles and generating customized service plans based on collaborative filtering

algorithms; an intelligent push and feedback module, for pushing services through multiple channels and collecting user feedback in real-time to optimize the model. The system utilizes a multi-source data acquisition module, incorporating on-board OBD data interfaces, GPS positioning units, and supports 5G/6G and V2X communication protocols to achieve millisecond-level data synchronization, thereby improving data integrity and real-time performance.

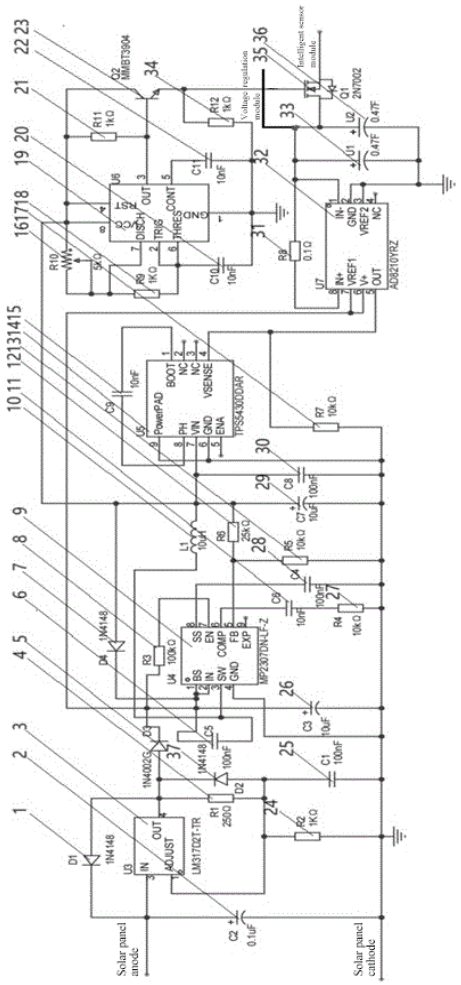


21: 2025/05921. 22: 2025/07/11. 43: 2026/02/20
51: H02J
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY OXBRIDGE COLLEGE
72: Hao Xiong, Kai Zhu, Jianbo Zhang
33: CN 31: 202411066499.6 32: 2024-08-05

54: A LOW-POWER INTELLIGENT SENSOR POWER SUPPLY CIRCUIT

00: -

The present invention discloses a low-power intelligent sensor power supply circuit, which includes a switch diode, a capacitor, a voltage regulator, a resistor, a diode, a DC-DC step-down converter, an inductor, a DC-DC wide input step-down converter, a 555 circuit, a transistor, a current sensing amplifier, a super capacitor U1, a super capacitor, and an N-channel MOSFET. The output voltage is stabilized at 6.3V through a voltage regulation circuit centered on the voltage regulator. Then, the voltage is stabilized at around 5VDC through a secondary voltage regulation circuit centered on the DC-DC step-down converter. Finally, a constant voltage and constant current charging circuit centered on the DC-DC wide input step-down converter and the current sensing amplifier charges the super capacitor U1 and the super capacitor. Meanwhile, the super capacitor and the super capacitor control the conduction time of the N-channel MOSFET through a multivibrator circuit centered on the 555 circuit, thereby stably providing a 2.7V working voltage to the intelligent sensor module.



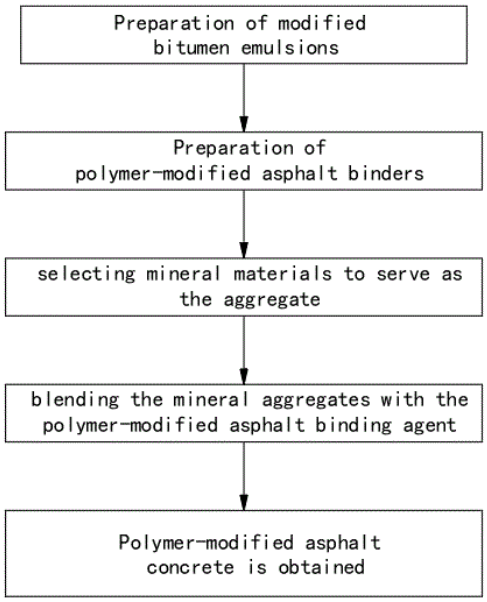
21: 2025/05922. 22: 2025/07/11. 43: 2026/02/20
51: C04B
71: Gansu Province Transportation Planning Survey & Design Institute Co., Ltd., Gansu Changlong Highway Maintenance Technology Research Institute Co., Ltd., Gansu Gonghang Travel Tianzhuang Expressway Management Co., Ltd.

72: Yapeng Zhang, Zhongliang Feng, Weiping Zheng, Ziqi Li, Xuyou Wang, Xianglong Feng

54: PREPARATION METHOD OF POLYMER-MODIFIED ASPHALT CONCRETE FOR NORMAL-TEMPERATURE STEEL STRUCTURE PAVING

00: -

The present invention discloses a preparation method of polymer-modified asphalt concrete for normal temperature steel structure paving, comprising the following steps: S1: Pretreatment of base asphalt, adding modified filler to obtain a modified asphalt emulsion; S2: Adding water to the modified asphalt emulsion obtained in S1, stirring, and incorporating functional filler to form a polymer-modified asphalt binder; S3: Selecting mineral aggregates as the aggregate; S4: Mixing the aggregate obtained in S3 with the polymer modified asphalt binder from S2 and feeding the mixture into a forced-action mixer for stirring; S5: Completing the stirring to obtain the polymer-modified asphalt concrete. Compared with the prior art, the advantages of the present invention are as follows: It provides a preparation method for polymer-modified asphalt concrete used in normal-temperature steel structure paving that is convenient to operate and use, reduces maintenance burden, and is compatible with steel structure paving systems.



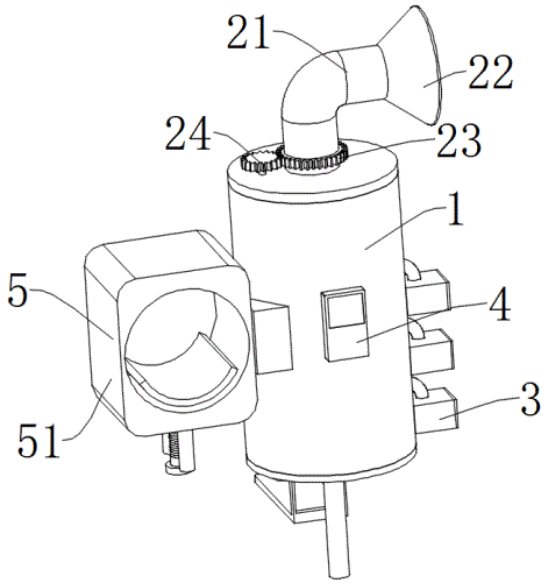
21: 2025/05923. 22: 2025/07/11. 43: 2026/02/20
51: F03D
71: Xinjiang University

72: Ninglu Zhang, Jianjun Yang, Wenli Xing, Feifei Sheng, Xinyu Liu

54: MINIATURE SAND-DUST COLLECTION DEVICE DEPLOYED ON WIND EROSION TOWER

00: -

Disclosed is a miniature sand-dust collection device deployed on a wind erosion tower, including a barrel body. A feeding assembly is arranged at a top end of the barrel body, a filtration and collection assembly is arranged on an inner wall of the barrel body, and a mounting assembly is arranged on one side of an outer wall of the barrel body. The filtration and collection assembly adopts multi-layer filter structures of a first filter screen plate and a second filter screen plate, which can effectively separate and collect sand and dust with different particle sizes to meet the requirement of fine research on sand and dust particles, and then can prevent filter screens from being clogged by the mutual cooperation of the structures, ensuring the long-term stable operation of a filter system, and avoiding the situation that a filter function fails due to the filter screens being clogged.

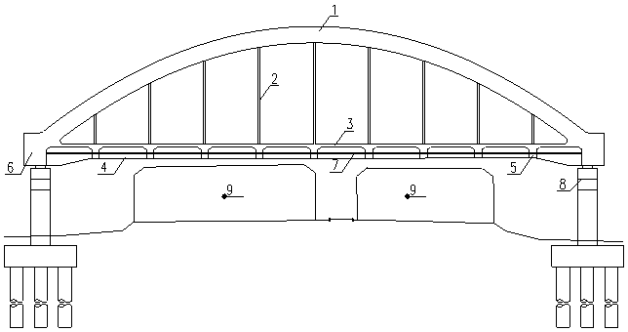


21: 2025/05924. 22: 2025/07/11. 43: 2026/02/20
51: E01D
71: Gansu Province Transportation Planning Survey & Design Institute Co., Ltd., The Highway Development Center Of Gansu Province, Lanzhou Institute of Technology
72: Zite Li, Yanwei Li, Qingru Xing, Jiusheng Wang, Yuxing Wang, Xudong Hua, Qiangxing Li, Yue Jian

54: A WIDENING STRUCTURE FOR AN EXISTING TIED-ARCH BRIDGE SPANNING OVER EXPRESSWAY

00: -

The invention relates to the technical field of arch bridge widening, in particular to a widening structure for an existing tied-arch bridge spanning an expressway. The transverse expansion of the bridge is achieved through bridge deck widening and bent cap lengthening modifications. The bridge deck widening structure employs a steel jacket cantilever middle crossbeam, end crossbeam connection configuration, precast bridge deck panels, longitudinal beam external prestressing tendons, and ultra-high performance concrete (UHPC) joints to form a composite bridge deck system. The bent cap lengthening structure achieves integrated load-bearing between new and existing bent caps through welded main reinforcements, embedded support members, internal prestressing tendons, and bent cap widening flanges.

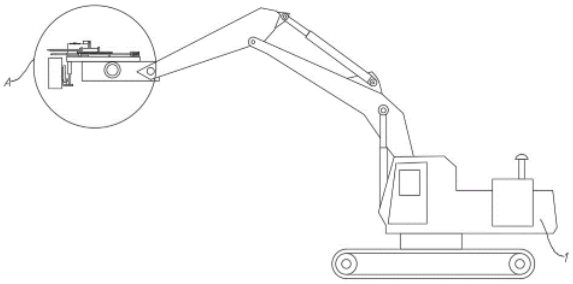


21: 2025/05959. 22: 2025/07/14. 43: 2026/02/20
51: F42D
71: ZIJIN MINING GROUP COMPANY LIMITED, CENTRAL SOUTH UNIVERSITY
72: CAI Xin, WANG Peiyu, ZHOU Zilong, HUANG Mingfa, TANG Shaohui, WANG Zhongkang, YUAN Jifeng

54: DRILLING AND CHARGING EQUIPMENT FOR UNMANNED BLASTING OPERATIONS

00: -

The present invention belongs to the field of blasting technology, and particularly relates to a drilling and charging equipment for unmanned blasting operations, which includes a remote control vehicle. A base plate is fixedly connected to the manipulator of the remote control vehicle, a sliding mechanism is arranged on the base plate, and a drilling and charging device and a blast hole plugging device are arranged on the sliding mechanism; The drilling and charging device includes: a drilling mechanism, which includes a pushing assembly arranged on the sliding mechanism, the pushing direction of the pushing assembly is perpendicular to the sliding direction of the sliding mechanism, a rock drill is arranged at the execution end of the pushing assembly, and the rock drill is used to open a blasting hole at a predetermined position; a loading mechanism, which is located at the front end of the pushing assembly, and uses the drill rod on the rock drill to push explosives into the blasting hole to complete the explosive loading; the blast hole plugging device is used to plug the blasting hole filled with explosives. The present invention reduces the time for equipment switching and manual intervention, and combined with the composite motion design of the sliding mechanism and the vertical pushing assembly, greatly improves the operation efficiency.



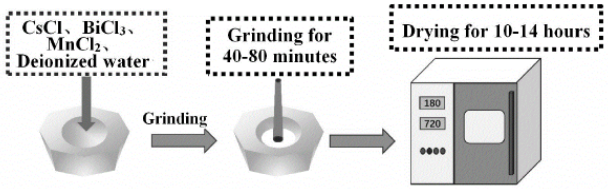
21: 2025/05960. 22: 2025/07/14. 43: 2026/02/20
51: H01M
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: WU Hao, JIA Wei, DONG Peng, ZHANG Yingjie, ZHANG Yannan, WANG Ding, ZENG Xiaoyuan, LI Xue, ZHOU Zhongren, MENG Qi, ZHANG Yiyong, XIAO Jie, WANG Xianshu, ZHU Ziyi, CHENG Fang, YUAN Shouyi, XING Yubo, WU Can, ZHANG Chengxu, ZHANG Yanjia, HAN Lina, CHEN Yuxiang, XU Liqianyun, LUO Zhongyuan

54: METHOD FOR PREPARING MANGANESE ION-RECONSTRUCTED CS3BI2CL9 ANODE MATERIAL LATTICE AND APPLICATION THEREOF

00: -

The invention discloses a preparation method and application of Mn2+-substituted and lattice-reconstructed lead-free halide perovskite material Cs3Bi2-xMnxCl9, belonging to the technical field of

lithium-ion battery anode materials. The preparation steps are as follows: CsCl, BiCl3, and MnCl2 are weighed according to the stoichiometric ratio and placed in an agate mortar. After standing for a period, a certain proportion of deionized water is added for grinding. After grinding for a specified time, the sample is dried and reground to obtain the powdered material. The Cs3Bi2-xMnxCl9 perovskite material prepared by the invention exhibits high cycling capacity and stable cycling performance when used as a lithium-ion battery anode material.

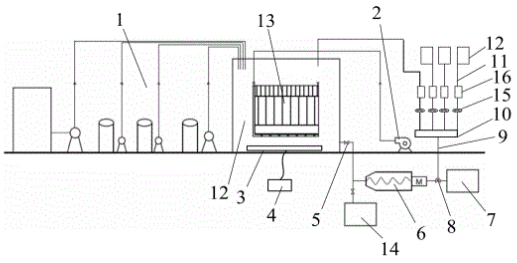


21: 2025/05962. 22: 2025/07/14. 43: 2026/02/20
51: C02F
71: Xizang Kesheng Langma Ecological Technology Co., Ltd.
72: LIU, Liwei

54: MBR MEMBRANE MODULE WASHING SYSTEM AND METHOD

00: -

Disclosed are a membrane bio-reactor (MBR) membrane module washing system and method, relating to the technical field of MBR membrane module washing. The MBR membrane module washing system includes a washing and dosing system, an aeration system, an ultrasonic system, and a chemical liquid emptying and replacing system, where the chemical liquid emptying and replacing system includes emptying valves, an excess sludge pump, a sludge storage tank, a three-way valve, a main pipe, a diversion pipe, and several branch pipes.

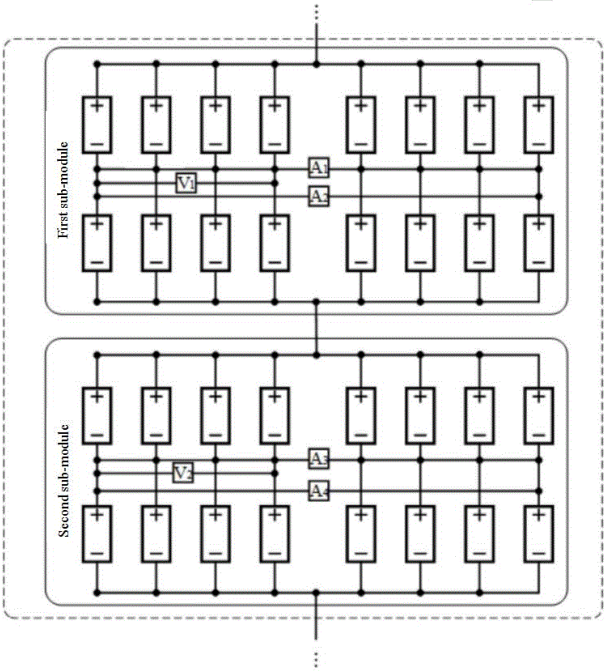


21: 2025/05963. 22: 2025/07/14. 43: 2026/02/20
51: G01R
71: State Grid Jilin Electric Power Research Institute, Jilin University
72: MENG Xiangdong, LI Dexin, LI Chenggang, ZHANG Haifeng, ZHOU Shuyu, LI Gang, ZHANG Yifu, ZHANG Jiajun, DONG Yunchang, LIN Runzi, CUI Sheng
33: CN 31: 2024115753680 32: 2024-11-06

54: METHOD FOR MULTI-FAULT DIAGNOSIS OF LITHIUM BATTERY PACK

00: -

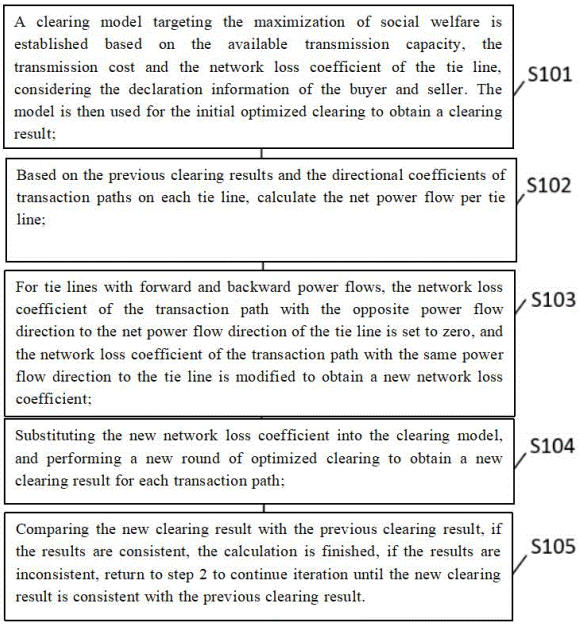
The invention belongs to the field of fault diagnosis of lithium batteries, and is method for multi-fault diagnosis of a lithium battery pack, which includes the following steps: establishing a diagnosis topological structure, where the diagnosis topological structure comprises N sub-modules with the same structure, and the N sub-modules are connected in series; carrying out computer simulation on the diagnosis topological structure to find out important features in fault classification; taking important characteristics as input and different fault types corresponding to the change curve of important characteristics as output, ET algorithm is trained. In the training process, the parameters of ET algorithm are adjusted by particle swarm optimization, and the optimal classification and positioning model is obtained. The measured values collected by sensors in the diagnosis process are transformed by polynomial, and the important features are obtained. The important features are input into the optimal classification and location model for fault classification and location. The problem that each battery cell needs to be monitored and a large number of sensors need to be monitored in the existing testing method is solved, which is helpful to improve the safety and stability of the lithium battery pack.



21: 2025/05965. 22: 2025/07/14. 43: 2026/02/20
51: G06Q
71: Xi'an Jiaotong University, Northwest Branch of State Grid Corporation of China
72: Ding Tao, Liu Yan, Yu Jinghui, Zhang Xiaotong, He Yuankang, Sun Xiaoqiang, Huang Yuhan, Xie Liushuangfei
33: CN 31: 2024116932194 32: 2024-11-25

54: A MODELING METHOD FOR TRANSACTION PATH CONVERSION AND OPTIMIZATION CONSIDERING SEQUENTIAL NETWORK LOSS COEFFICIENT CORRECTION

00: -
The invention provides a transaction path conversion and optimization modeling method considering sequential network loss coefficient correction, which comprises the following steps: A clearing model targeting the maximization of social welfare is established based on the available transmission capacity, the transmission cost and the network loss coefficient of the tie line, considering the declaration information of the buyer and seller, then the model is used for the initial optimized clearing to obtain a clearing result; Based on the previous clearing results and the directional coefficients of transaction paths on each tie line, calculate the net power flow per tie line; For tie lines with forward and backward power flows, the network loss coefficient of the transaction path with the opposite power flow direction to the net power flow direction of the tie line is set to zero, and the network loss coefficient of the transaction path with the same power flow direction to the tie line is modified to obtain a new network loss coefficient; Substituting the new network loss coefficient into the clearing model to obtain a new clearing result; Comparing the new clearing result with the previous clearing result. If the results are consistent, the calculation is finished. If the results are inconsistent, return to calculate the net power flow of the tie line and continue iteration until the new clearing result is consistent with the last clearing result. The network loss calculated by the method of the invention is more in line with the actual physical power flow.

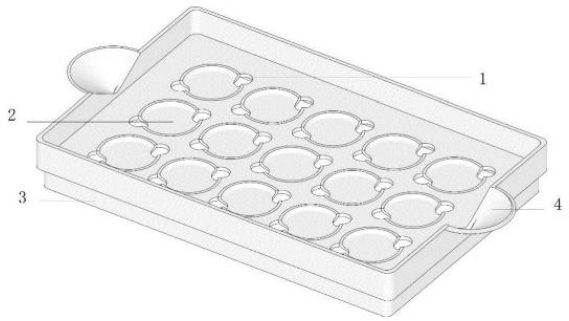


21: 2025/05966. 22: 2025/07/14. 43: 2026/02/20
51: B01L
71: Institute of Highland Forest Science, Chinese Academy of Forestry, Yuanmou Hongrong Agricultural Technology Co., Ltd.
72: DING, Weifeng, WANG, Weiwei, HE, Rui, YANG, Qihong, YANG, Jiecong, LING, Xiaofei, LU, Qin, ZHANG, Jinwen, ZHANG, Xin, CHEN, Hang

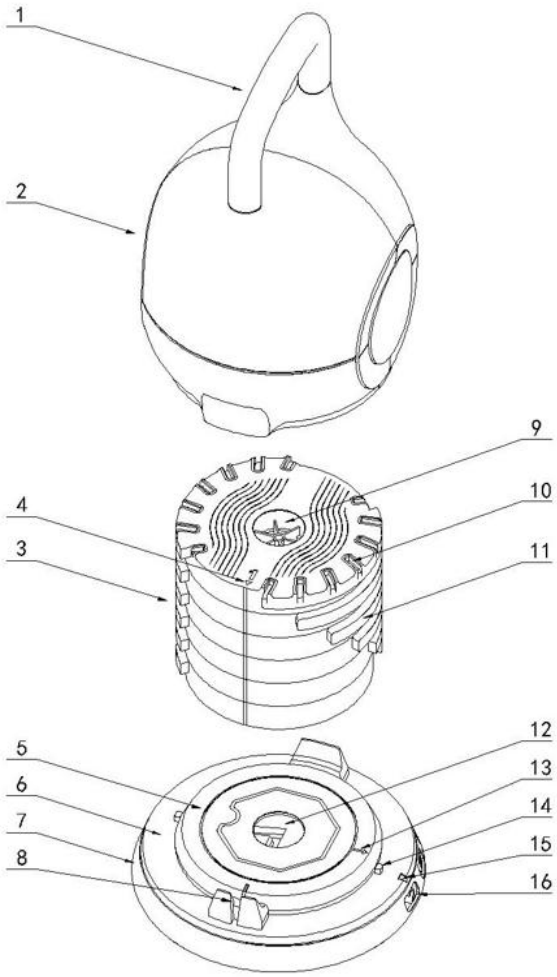
54: LABORATORY CULTURE DISH HOLDER AND TRAY THEREFOR

00: -
The present invention discloses a laboratory culture dish holder and a tray therefor. The laboratory culture dish holder includes a holder body, grooves disposed on the holder body and configured to place culture dishes, and gripping portions corresponding

to the grooves, where the gripping portion includes cutouts disposed on the edge of the groove. The tray includes a tray body, where a stepped mounting slot matching with a stepped insertion slot is disposed on an inner wall of the tray body. The grooves are disposed and the gripping portions for facilitating gripping of the culture dishes in the grooves are disposed in edge regions of the grooves, thereby facilitating taking and placing of the culture dishes, and avoiding a problem of inconvenient taking and placing when culture dishes or culture plates are taken out during an experiment.



21: 2025/05985. 22: 2025/07/14. 43: 2026/02/20
51: A63B
71: ZHEJIANG JINGLING INDUSTRY AND TRADE CO., LTD.
72: WANG, Zhi, TONG, Xiaorong
33: CN 31: 202311253295.9 32: 2023-09-27
54: WEIGHT-ADJUSTABLE KETTLEBELL
00: -
A weight-adjustable kettlebell, comprising: a shell; a handle (1); a plurality of weight plates (3); and a base (7). The shell comprises an inner shell (17), an outer shell (2), and a weight support frame (20). The weight support frame (20) is fixed to the inner shell (17) and the outer shell (2), and the weight support frame (20) is provided with hanging members (21) corresponding to the weight plates (3). The weight plates (3) are sequentially positioned and stacked, the weight plates (3) are provided with arc-shaped engagement ridges (11) corresponding to the hanging members (21), and the arc-shaped engagement ridges (11) are sequentially arranged, from top to bottom, from the longest to the shortest to form weight adjustment levels. A center positioning seat (5) is arranged on the base (7), a turnplate (6) is arranged between the base (7) and the center positioning seat (5), the weight plates (3) are positioned and placed on the center positioning seat (5), and the shell is positioned and placed on the turnplate (6) and covers the weight plates (3). When the handle (1) drives the shell to rotate, the hanging members (21) slide into positions under the corresponding arc-shaped engagement ridges (11) to achieve weight adjustment. The kettlebell using the above structure has advantages such as a reasonable structural design, a small fitting gap, good stability, being easy and convenient to adjust by rotating, and being safe to use.



21: 2025/05992. 22: 2025/07/15. 43: 2026/02/20
51: B65D
71: Beijing Academy of Agriculture and Forestry Sciences
72: WANG Baogang, XU Ranran, CHEN Luyao, ZHOU Jiahua
33: CN 31: 2025108248732 32: 2025-06-19
54: PASSIVE MODIFIED ATMOSPHERE PRESERVATION BAG SUITABLE FOR

PRESERVATION OF HIGH CARBON DIOXIDE-TOLERANT FRUITS AND PREPARATION METHOD THEREOF

00: -

The present invention discloses a passive modified atmosphere preservation bag suitable for preservation of high carbon dioxide-tolerant fruits and a preparation method thereof, belonging to the technical field of fruit and vegetable preservation. The preparation method of the two-layer co-extruded film for establishing a modified atmosphere of the present invention includes the following steps: mixing polyvinyl alcohol and ethylene-vinyl acetate copolymer to obtain a resin mixture, then adding a plasticizer, performing a swelling treatment to obtain a PVA swollen material, and carrying out melt blending to obtain an inner layer modified PVA resin; mixing an ethylene-vinyl acetate copolymer masterbatch with the inner layer modified PVA resin, and carrying out melt blending to obtain an outer layer modified EVA resin; respectively heating the inner layer modified PVA resin and the outer layer modified EVA resin to a molten state, and then respectively using the molten inner layer modified PVA resin and outer layer modified EVA resin to form the inner layer and outer layer of the film under a pressure environment, so as to obtain the two-layer co-extruded film.

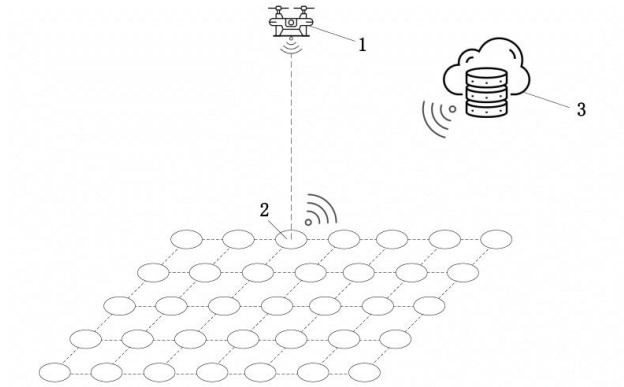


21: 2025/05993. 22: 2025/07/15. 43: 2026/02/20
51: G06K
71: Chinese Academy of Geological Sciences
72: YANG, Lichao, YAN, Dongdong, ZHANG, Baojian, HONG, Siqi, ZHANG, Xiaodan

54: SPATIAL-TEMPORAL MONITORING SYSTEM AND METHOD FOR ATMOSPHERIC CARBON DIOXIDE CONCENTRATION BASED ON UNMANNED AERIAL VEHICLE COOPERATION

00: -

Disclosed in the present application is a spatial-temporal monitoring system and method for an atmospheric carbon dioxide concentration based on unmanned aerial vehicle cooperation, which relates to the field of monitoring of an atmospheric carbon dioxide concentration. The system includes a plurality of unmanned aerial vehicles, a plurality of integrated aerial carrier units and a cloud server, where the plurality of integrated aerial carrier units are distributed on an earth surface of a target region. Each integrated aerial carrier unit is provided with one unmanned aerial vehicle, and each unmanned aerial vehicle is provided with a detection device configured to acquire an atmospheric carbon dioxide concentration and environmental impact factors thereof. The unmanned aerial vehicles, the integrated aerial carrier units and the cloud server are connected to one another by means of the Internet of Things.



21: 2025/05994. 22: 2025/07/15. 43: 2026/02/20
51: C05G
71: SHAANXI CITYMAX AGROTECH CO., LTD
72: Bin Zhang, Ying Liu, Zhuo An

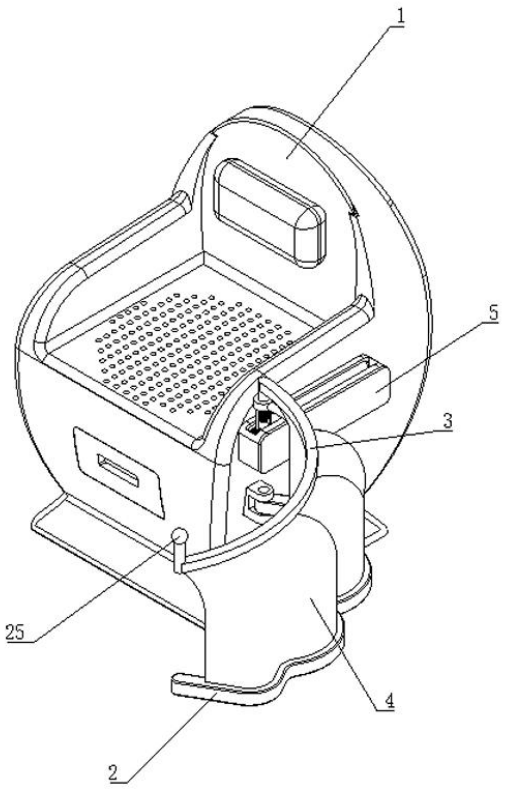
54: LIQUID FERTILIZER CONTAINING A SEAWEED POLYSACCHARIDE-AMINO ACID COMPLEX AND A PREPARATION METHOD THEREOF

00: -

A liquid fertilizer containing a seaweed polysaccharide-amino acid complex and a preparation method thereof, and belongs to the technical field of agricultural fertilizers. The fertilizer comprises, by weight: 25-30 parts of seaweed polysaccharide extract, 8-15 parts of compound amino acids, 5-8.5 parts of compound elements, 0.6-1 part of chicory root extract, and 0.3-0.5 part of an active agent, through chelation between seaweed polysaccharides and amino acids, scientific proportioning of macro- and micronutrients, and the synergistic effect of active components from chicory root, the fertilizer significantly improves nutrient

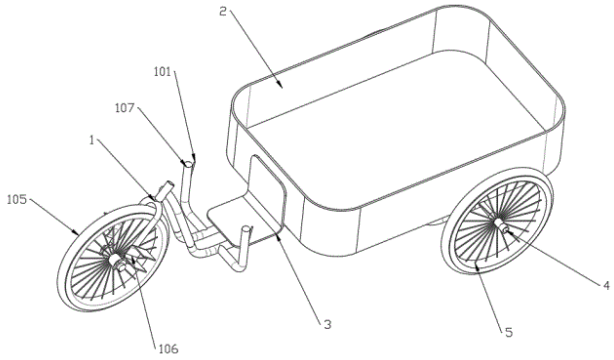
utilization efficiency (by more than 30%) and enhances crop stress resistance (increasing drought and cold resistance by 20-40%).

21: 2025/05995. 22: 2025/07/15. 43: 2026/02/20
51: A61H
71: HENAN PROVINCE HOSPITAL OF TCM
72: Zhang Xinghua, Sun Zixue, Wei Xingxing, Liu Yu, Wen Xiaoqiong, Du Junge
54: A PROSTATE FUMIGATION NURSING DEVICE
00: -
The present invention discloses a prostate fumigation nursing device, belonging to the field of physical therapy equipment, comprising a limit rod, a enclosure rod, and an elastic sealing cloth. One end of the limit rod is rotatably set on the fumigation instrument body, and an installation box is set on the body. The installation box is set on the left or right side of the body, and is set along the front and rear directions of the body. The enclosure rod is provided with a connecting rod in the vertical direction, and an adjustment mechanism is set inside the installation box. The adjustment mechanism is connected to the connecting rod, and is used to adjust the rotation or sliding of the connecting rod and the enclosure rod along the installation box. The elastic sealing cloth is set between the limit rod and the enclosure rod. When the limit rod and the enclosure rod rotate to the front of the body, the enclosure rod slides along the length direction of the installation box, and the elastic sealing cloth is stretched and unfolded. The sentence is:, The lower leg and lower abdomen of the nursing staff sitting on the fumigation device are covered by elastic sealing cloth, which solves the problem of poor fumigation effect of the sitting fumigation therapy device in the prior art.



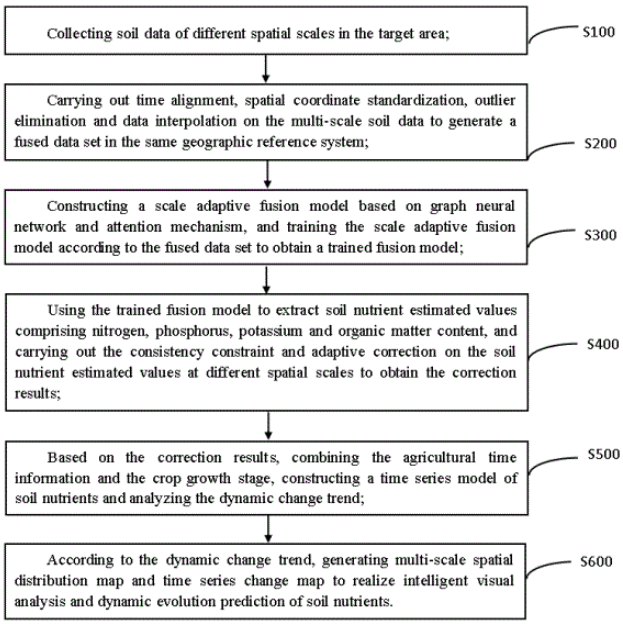
21: 2025/05996. 22: 2025/07/15. 43: 2026/02/20
51: B62M
71: Xuejian Wang
72: Xuejian Wang
33: CN 31: 2024224429183 32: 2024-10-10
54: MULTIFUNCTIONAL LABOR-SAVING TRICYCLE
00: -
A multifunctional labor-saving tricycle, which relates to the technical field of tricycles, comprising a frame, a carriage, and a seat; the frame is slightly inclined forward and downward, and the carriage for sliding forward and backward in cooperation is provided above the frame; the seat is fixedly provided at a front side of the carriage; a wheel axle is horizontally provided on a rear part of the frame; the shaft is rotationally coupled with the frame, and rear wheels are coaxially provided on both ends of the shaft and the frame; the wheel axle comprises the left wheel axle, the right wheel axle, the drive shaft which are coaxially provided; a ratchet wheel and an inertia flywheel are coaxially provided on a drive shaft; a friction disc is coaxially connected to one end of the drive shaft; a friction plate is coaxially connected to one end of a right wheel axle; racks are provided on

both sides below the carriage, and the racks are engaged with the ratchet gear; the rack comprises a rack I and a rack II which are provided in parallel up and down; the rack I and the rack II are connected at both ends by springs. The invention realizes driving movement of the whole tricycle by respectively pushing the push rod and pedaling the foot by hands and feet and using the hands and feet together to drive the carriage to slide forward and backward relative to the frame.



21: 2025/05997. 22: 2025/07/15. 43: 2026/02/20
51: G01N
71: Inner Mongolia Academy of Agricultural & Animal Husbandry Sciences
72: Wulan Tuya, Wang Baolin, Bao Junwei, Ji Shiyu, Guo Jia, Sun Dele, Wu Shengnan, Yang Chao
54: MULTI-SCALE INTELLIGENT MONITORING AND ANALYSIS METHOD FOR SOIL NUTRIENTS
00: -

The invention provides a multi-scale intelligent monitoring and analysis method for soil nutrients, and relates to the technical field of soil nutrient monitoring. According to the invention, micro-scale, meso-scale and macro-scale soil data are fused, a fused data set under a unified geographic reference system is constructed, a scale adaptive fusion model is trained based on a graph neural network and an attention mechanism, multi-scale nutrient estimation and consistency correction are realized, and multi-scale distribution maps and time sequences are generated by combining farming time information and crop stage modeling nutrient dynamic changes, so that intelligent evaluation and visual prediction are realized.

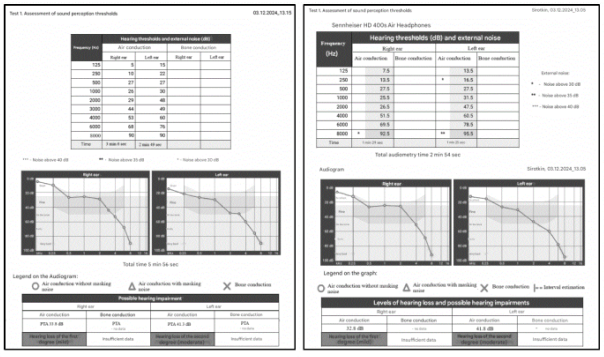


21: 2025/06000. 22: 2025/07/15. 43: 2026/02/20
51: C07C
71: Qingdao University
72: ZHAO Zongshan, ZHANG Haili, LAN Jing, SUN Yawei, WANG Yaoyao, XUE Hui
54: METHOD FOR SYNTHESIZING TBBPA BIS(2,3-DIBROMOPROPYL ETHER) LABELED WITH CARBON-13 ISOTOPE
00: -

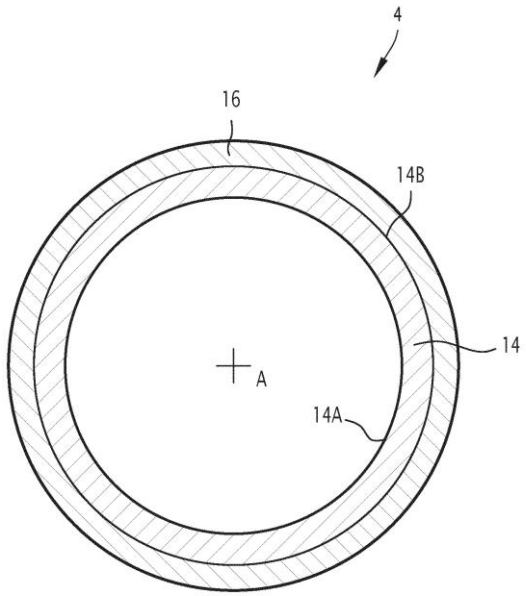
The invention provides a method for synthesizing TBBPA bis (2,3-dibromopropyl ether) labeled with carbon-13 isotope. Tetrabromobisphenol A (TBBPA) is a white powder with molecular formula C15H12Br4O2 and has specific physical and chemical properties. The preparation of bis(2,3-dibromo-2-methylpropyl) ether is divided into two steps: firstly, tetrabromobisphenol A reacts with chloroisobutylene to obtain an intermediate, and then brominating. The synthesis of tetrabromobisphenol S-bis(2,3-dibromopropyl) ether includes three steps, starting with the bromination of bisphenol S and reacting with chloropropene. In application, TBBPA is used as a reactive flame retardant for printed circuit boards; As an additive flame retardant, it is used in polycarbonate thermoplastic and partially thermosetting resins. The preparation and application of these substances reflect their important value in the field of flame retardant materials.

Item	Details
Chemical name	2,2-bis (3,5-dibromo-4-hydroxyphenyl) propane
Structural formula	$C_{15}H_{12}Br_4O_2$
Molecular weight	543.87
Normal temperature appearance	White powder
Density	About 2.1 g/cm^3
Melting point	179-184°C
Water-solubility	Less than 0.1 g/100mL
Soluble solvent	Aqueous solution of methanol, ethanol, acetone, toluene and sodium hydroxide
Thermal mass loss temperature (5%)	244°C

21: 2025/06002. 22: 2025/07/15. 43: 2026/02/20
51: A61B
71: HEARING REHABILITATION CENTER "MELFON", LTD.
72: Sirotkin Valeriy Stepanovich, Khanykov Vladimir Vladimirovich, Pasyuta Sergey Mikhailovich
33: RU 31: 2024136497 32: 2024-12-05
54: METHOD FOR INTERVAL THRESHOLD AUDIOMETRY
00: -
The invention relates to medicine, namely to surdology - otorhinolaryngology, and can be used in audiometry for diagnostic purposes during mass preventive examinations of the population and establishing the hearing threshold. Interval threshold audiometry is performed step by step at the following frequencies: 1000, 1500, 2000, 3000, 4000, 6000, 8000, 10000, 12500, 12500, 14000, 16000, 750, 500, 250, 125 Hz.

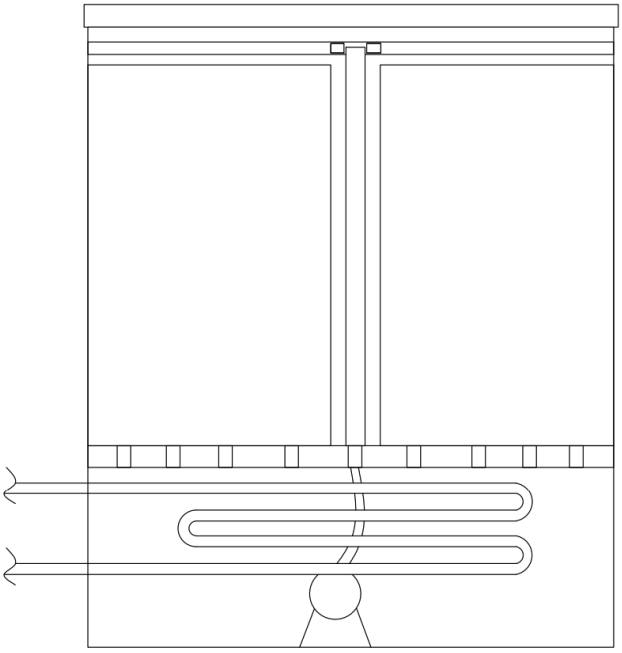


21: 2025/06005. 22: 2025/07/15. 43: 2026/02/10
51: C23C; G21C; H01J
71: FRAMATOME
72: BUCHANAN, Karl, BISCHOFF, Jérémy, LEGRAND, Philippe
33: FR 31: 2300769 32: 2023-01-27
54: METHOD FOR MANUFACTURING A NUCLEAR FUEL ROD CLADDING AND CORRESPONDING NUCLEAR FUEL ROD CLADDING
00: -
The manufacturing method is intended for the manufacture of a nuclear fuel rod cladding (4) comprising a substrate (14) covered with a protective coating (16). The manufacturing method comprises providing the substrate (14) and applying the protective coating (16) to the substrate (14) by physical vapour deposition by sputtering, simultaneously employing two or more mutually different techniques of physical vapour deposition by sputtering.



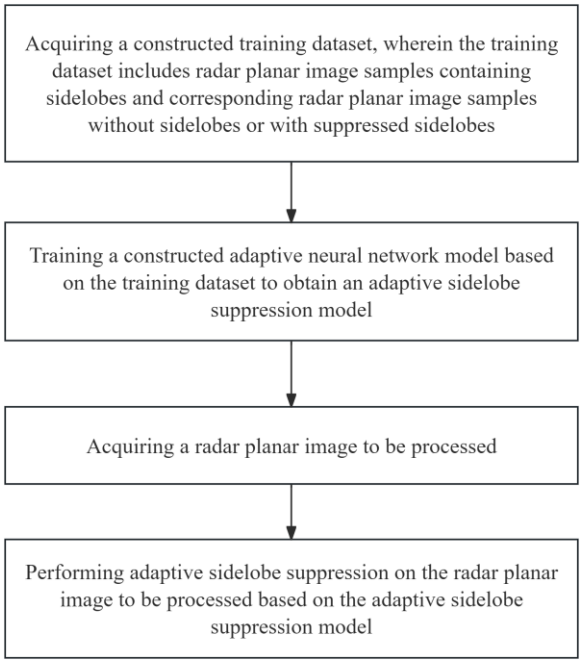
21: 2025/06028. 22: 2025/07/15. 43: 2026/02/20
51: H05K
71: CHINA INSTITUTE OF BUILDING STANDARD DESIGN & RESEARCH, TIANJIN UNIVERSITY OF COMMERCE
72: WU, Xiaohui, CHEN, Yue, HE, Wei, LIU, Shengchun, ZHAO, Yijia, YANG, Yurong, LIU, Shuailing
33: CN 31: 202211728964.9 32: 2022-12-30
54: MODULAR SPRAY COOLING CABINET FOR SERVER
00: -
The present invention discloses a modular spray cooling cabinet for a serve and relates to the technical field of cooling cabinets. The modular spray cooling cabinet includes a chassis housing, a sieve plate, an oil pump, and an oil spray pipe; wherein the sieve plate is mounted within the chassis housing, the sieve plate is provided with sieve openings with uniform aperture size; the oil spray pipe is fixed to the top end of the sieve plate,

an oil sump is arranged within the chassis housing and positioned below the sieve plate, the oil sump is filled with non-conductive cooling oil, and an oil pump is disposed within the oil sump and is fluidly connected to the oil spray pipe via a conduit; at least one server is mounted on the sieve plate, and the server is positioned adjacent to the oil spray pipe. The present invention facilitates spray cooling for either individual or multiple servers, featuring a simple structure and easy maintenance; each component is independently assembled and installed, facilitating modular batch production and enabling modular assembly, placement, and maintenance; and the oil pump enables circulation of the oil system inside the chassis housing, with the short flow path reducing pump power consumption.



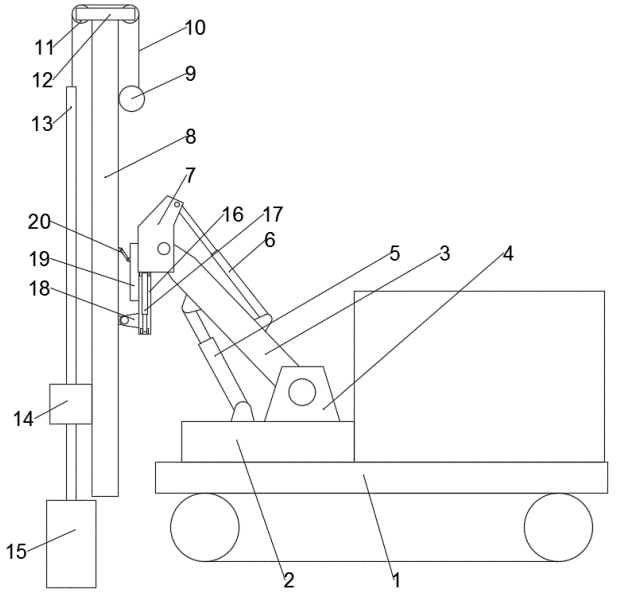
21: 2025/06029. 22: 2025/07/15. 43: 2026/02/20
51: G01S; G06F; G06N
71: TECH TRAFFIC ENGINEERING GROUP CO., LTD., XIDIAN UNIVERSITY
72: PENG, Min, GUO, Xiaowei, ZHANG, Wei, TAN, Xiaogang, AN, Zeping, YANG, Jicheng, YAN, Zihang, TAN, Zihao
33: CN 31: 202411768524.5 32: 2024-12-04
54: METHOD, DEVICE, ELECTRONIC DEVICE, AND COMPUTER PROGRAM PRODUCT FOR SIDELOBE SUPPRESSION IN RADAR PLANAR IMAGING
00: -

The present application provides a method, a device, an electronic device, and a computer program product for sidelobe suppression in radar planar imaging. The method includes: acquiring a constructed training dataset, wherein the training dataset includes radar planar image samples containing sidelobes and corresponding radar planar image samples without sidelobes or with suppressed sidelobes; training a constructed adaptive neural network model based on the training dataset to obtain an adaptive sidelobe suppression model; acquiring a radar planar image to be processed; and performing adaptive sidelobe suppression on the radar planar image to be processed based on the adaptive sidelobe suppression model. The solution in the embodiments of the present application essentially performs sidelobe suppression on the radar through signal processing means, which may be implemented in a fully deployed radar system. By directly processing radar images without requiring modifications to the hardware infrastructure, the sidelobe suppression strategy may be dynamically adjusted according to different mission requirements and scenarios. As a result, the solution offers greater flexibility and post-deployment adjustability, making the radar system more adaptable and maintainable.

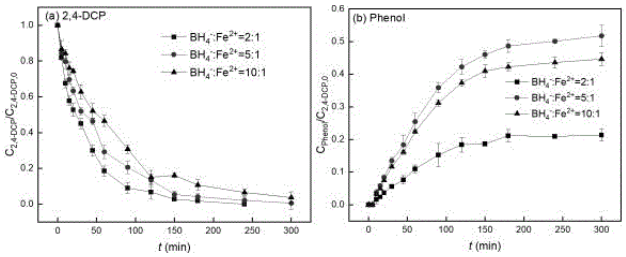


21: 2025/06033. 22: 2025/07/16. 43: 2026/02/20

51: E21B
71: ZIJIN MINING GROUP COMPANY LIMITED, CENTRAL SOUTH UNIVERSITY
72: CAI Xin, WANG Peiyu, ZHOU Zilong, HUANG Mingfa, TANG Shaohui, WANG Zhongkang, YUAN Jifeng
54: OPEN-PIT MINING MULTIFUNCTIONAL DRILL WITH VARIABLE-ANGLE HIGH-PRECISION DRILL ARM STRUCTURE
00: -
The present invention belongs to the technical field of open-pit mining equipment and provides an open-pit mining multifunctional drill with a variable-angle high-precision drill arm structure, comprising a drill arm assembly, comprising a support arm mechanism arranged at the front of the vehicle body; a deflection mechanism is provided on the side of the support arm mechanism away from the vehicle body; the support arm mechanism is used to adjust the height of the deflection mechanism; the deflection mechanism is hinged with a drill arm and adjusts the left-right deflection angle of the drill arm relative to the vehicle body; one end of a connecting rod is hinged to the drill arm, and the other end of the connecting rod is hinged to the deflection mechanism via a height adjustment component; the height adjustment component adjusts the height of the end of the connecting rod away from the drill arm to achieve fine-tuning of the pitch angle of the drill arm; a drilling operation assembly, comprising a working head mounted on the drill arm; the working head is drivingly connected to a connecting mechanism, which is used to attach a drill bit. The present invention abandons full hydraulic drive and creatively uses a direct pushing method with a connecting rod, resulting in a drilling rig drill rod with not only a wide range of angle adjustment but also high accuracy in adjusting the drill rod angle.



21: 2025/06034. 22: 2025/07/16. 43: 2026/02/20
51: C25B
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: HUANG Xuezheng, ZHANG Dasheng, LIANG Feng, HOU Zhipeng, MENG Xian, WU Li
54: GRAPHENE-SUPPORTED IRON-NICKEL COMPOSITE MATERIAL AND PREPARATION METHOD AND APPLICATION IN REMOVING 2,4-DICHLOROPHENOL FROM WATER THEREOF
00: -
The present invention proposes a graphene-supported iron-nickel composite material and preparation method and application in removing 2,4-dichlorophenol from water thereof, belonging to the technical field of wastewater treatment. The raw materials of the graphene-supported iron-nickel composite material of the present invention include graphite oxide, iron salt, sodium borohydride, and nickel sulfate. By introducing transition metal nickel as a dechlorination hydrogenation catalyst, it forms a nano-bimetallic system in combination with nano-zero-valent iron. At the same time, reduced graphene oxide is used as a carrier to load nano-iron-nickel bimetallic particles on graphene sheets, successfully preparing a graphene-supported nano-iron-nickel composite material. This material may efficiently and rapidly adsorb 2,4-dichlorophenol (2,4-DCP) in water and dechlorinate it. Compared with Fe/Ni bimetal, the graphene-supported iron-nickel composite material of the present invention has stable reaction activity and high reuse value.

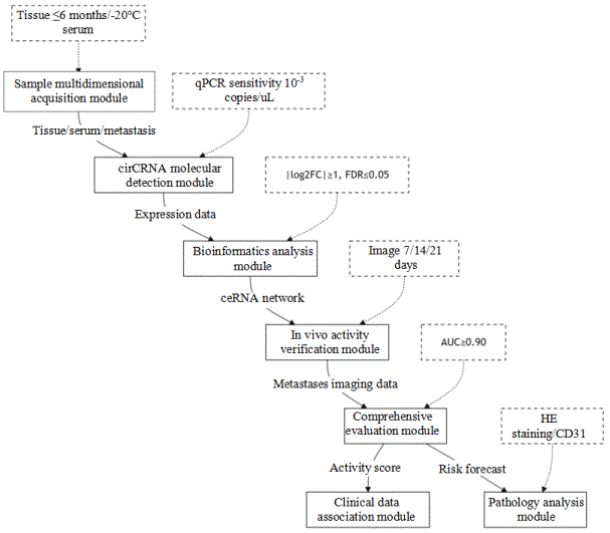


21: 2025/06035. 22: 2025/07/16. 43: 2026/02/20
51: C12Q
71: Jiangsu Province (Suqian) Hospital, The First People's Hospital of Zhenjiang City
72: Xiaoyan Wang, Yu Fan, Shiqi Zhang, Lili Wang, Changfeng Man, Dandan Gong

54: SYSTEM AND METHOD FOR EVALUATING AND VERIFYING IN VIVO ACTIVITY OF CIRCRNAS MOLECULAR MARKERS FOR LIVER METASTASIS OF GASTRIC CANCER

00: -

The present invention relates to the technical field of medical detection and molecular biology, and in particular to a system and method for evaluating and verifying in vivo activity of circRNAs molecular markers for liver metastasis of gastric cancer, including a sample multidimensional collection module, a circRNA molecular detection module, a bioinformatics analysis module, an in vivo activity verification module, a comprehensive evaluation module, a clinical data association module, and a pathological analysis module. In the present invention, the system and method for evaluating and verifying in vivo activity of circRNAs molecular markers for liver metastasis of gastric cancer solve the problems of lack of in vivo activity verification and single evaluation dimension in the related art through a three-dimensional evaluation system, realize accurate screening and clinical translation of circRNA markers, and provide a new tool for early warning and prognosis evaluation of liver metastasis from gastric cancer.

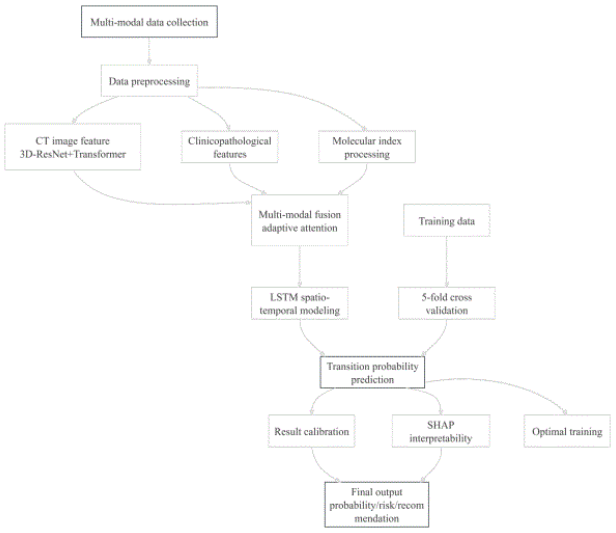


21: 2025/06036. 22: 2025/07/16. 43: 2026/02/20
51: G06K
71: Jiangsu Province (Suqian) Hospital, The First People's Hospital of Zhenjiang City
72: Shiqi Zhang, Yu Fan, Xiaoyan Wang, Lili Wang, Changfeng Man, Dandan Gong, Guodong Liu, Dandan Chen, Hailing Zhang

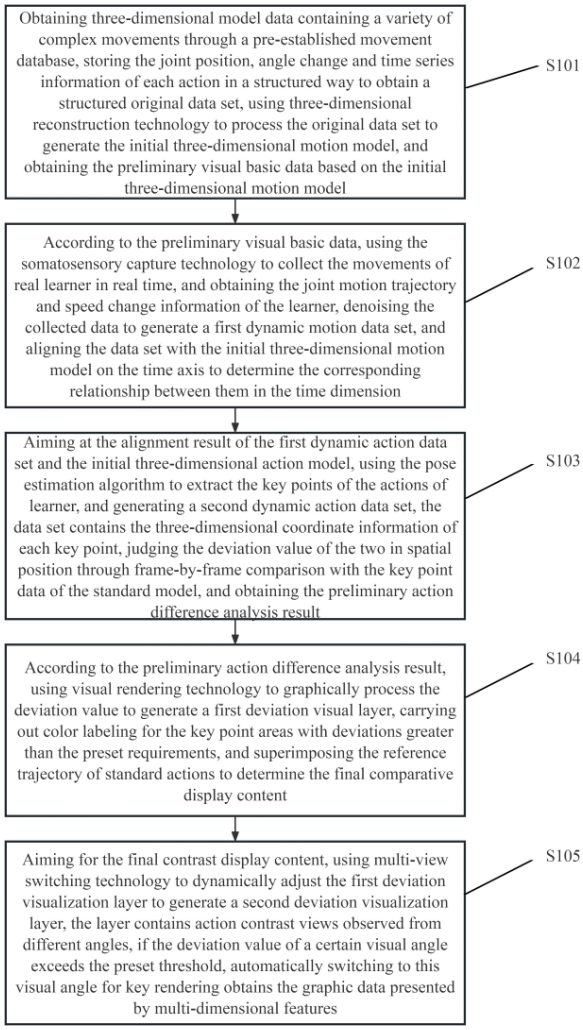
54: GASTRIC CANCER ORGAN-SPECIFIC LIVER METASTASIS PREDICTION SYSTEM BASE ON MULTI-MODAL DEEP LEARNING

00: -

The present invention relates to the cross-technical field of medical image analysis and artificial intelligence, and in particular to a gastric cancer organ-specific liver metastasis prediction system base on multi-modal deep learning, including a multi-modal data collection module, a multi-scale feature extraction module, a multi-modal fusion prediction module and an interpretability analysis module. In the present invention, by integrating computed tomography (CT) images, clinical pathology and molecular biology data, three dimensional-residual network (3D-ResNet) and Transformer are used to extract multi-scale features, an adaptive attention mechanism is combined with a spatio-temporal evolution model to achieve accurate prediction, which can warn high-risk patients in advance, guide individualized treatment decisions, reduce unnecessary invasive examinations, and is suitable for early screening and risk stratification of liver metastasis of clinical gastric cancer.

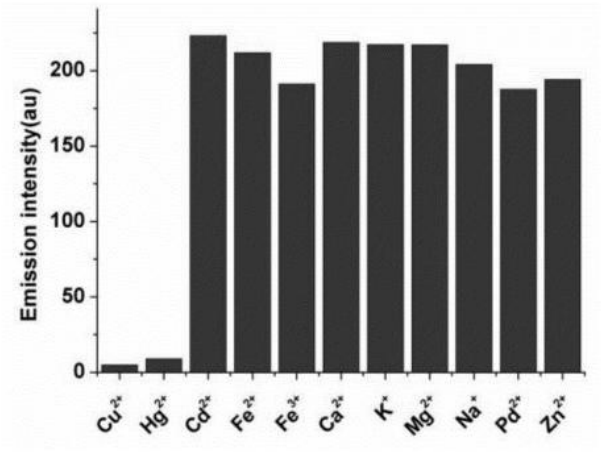


21: 2025/06037. 22: 2025/07/16. 43: 2026/02/20
51: G09B
71: Ningde Normal University
72: HUANG Zhaoyuan
54: METHOD AND SYSTEM FOR SPORTS POPULAR SCIENCE TEACHING BASED ON AR PRESENTATION THEREOF
00: -
The invention discloses a method and system for sports popular science teaching based on AR presentation, the method includes: according to the preliminary action difference analysis results, the deviation value is graphically processed by visual rendering technology to generate the first deviation visual layer, and the key point areas with deviation greater than the preset requirements are colored, and the reference trajectory of the standard action is superimposed to determine the final comparative display content; aiming at the final contrast display content, the first deviation visualization layer is dynamically adjusted by multi-view switching technology to generate a second deviation visualization layer, which contains action contrast views observed from different angles. If the deviation value at a certain angle exceeds the preset threshold, it is automatically switched to that angle for key rendering, and the graphic data presented by multi-dimensional features is obtained. The invention is able to intuitively show the difference between learners and standard movements, effectively improve the action learning effect, and provide innovative solutions for sports training and skill improvement.



21: 2025/06038. 22: 2025/07/16. 43: 2026/02/20
51: C07D
71: Shantou Polytechnic
72: Xinglong CAI, Kaibo ZHENG, Mingyue FANG, Delun ZHENG, Tao ZONG, Nannan LI
54: BENZOTHIADIAZINE-1,1-DIKETO-QUINOLINE DERIVATIVE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
00: -
The present invention discloses a benzothiadiazine-1,1-diketo-quinoline derivative, a preparation method therefor and application thereof, belonging to the technical field of chemical optical materials. A benzothiadiazine-1,1-diketo-quinoline derivative is provided. The structural formula of the benzothiadiazine-1,1-diketo-quinoline derivative is: [Image removed] where R is -N(CH2CH3)2 or -

OCH3. The present invention introduces the benzothiadiazine-1,1-diketo heterocycle at the quinoline-2-aldehyde group to prepare the benzothiadiazine-1,1-diketo quinoline derivatives. The preparation process is low-cost, simple in operation, and easy to implement. The obtained benzothiadiazine-1,1-diketo quinoline derivatives exhibit excellent fluorescence properties, enabling their application as probes for the detection of heavy metal ions such as copper ions and/or mercury ions. Meanwhile, this preparation method can be applied to the synthesis in fine organic chemical industries, including printing and dyeing, analysis, and detection.

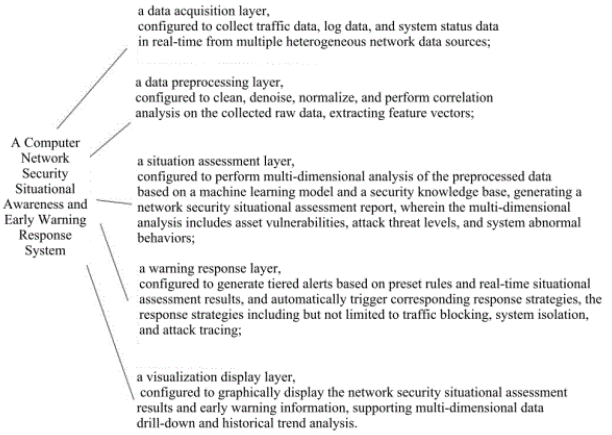


21: 2025/06040. 22: 2025/07/16. 43: 2026/02/20
51: H04L
71: Hubei Normal University
72: Haodong Pan

54: COMPUTER NETWORK SECURITY SITUATIONAL AWARENESS AND EARLY WARNING RESPONSE SYSTEM

00: -

A computer network security situational awareness and early warning response system, comprising a data acquisition layer, a preprocessing layer, a situation assessment layer, an early warning response layer, and a visualization display layer. The system achieves full-dimensional situational awareness through multi-level data acquisition and in-depth analysis, and combines machine learning and adaptive threshold technologies to deliver precise early warnings, significantly reducing false alarm rates. The situation assessment layer constructs an asset value model and utilizes deep learning and time series analysis techniques for threat detection and situational prediction; the early warning response layer automatically generates optimal response strategies based on reinforcement learning, reducing response time to the minute level.

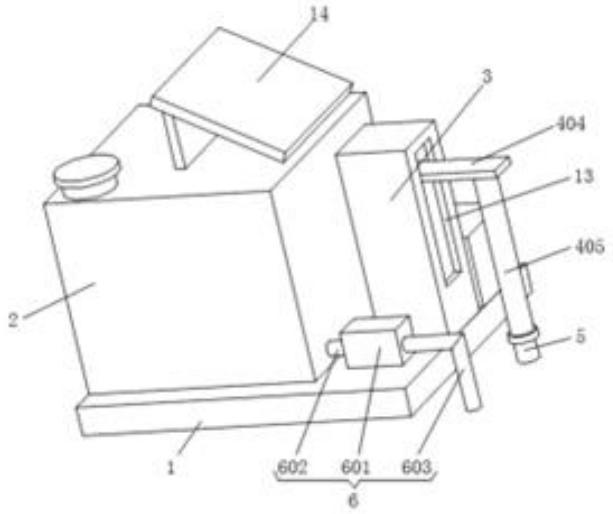


21: 2025/06041. 22: 2025/07/16. 43: 2026/02/20
51: G01N
71: SHIHEZI UNIVERSITY
72: ZHAO, Jing, LIU, Han, ZHANG, Ying, CHU, Hang, ZHOU, Xinyu, DAI, Lei, CHEN, Junjie

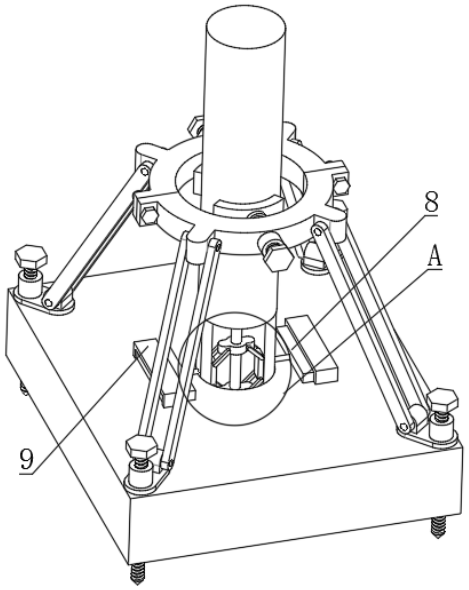
54: ARTIFICIAL INTELLIGENCE DETECTION AND REGULATION DEVICE FOR AQUACULTURE WATER QUALITY ENVIRONMENT

00: -

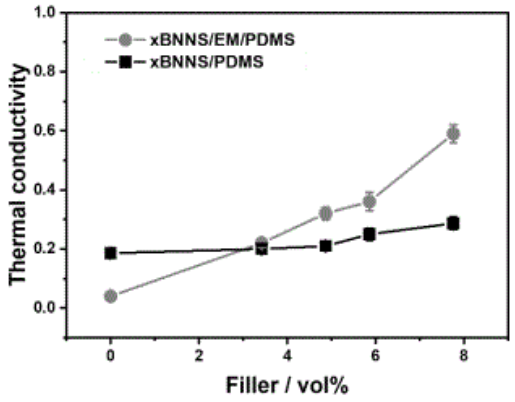
The present invention relates to a device for detecting and regulating water quality in aquaculture environments using artificial intelligence. The device addresses limitations associated with fixed-depth detection and narrow monitoring range. It includes a floating plate, with a liquid storage tank mounted on the left and a driving box on the right. Within the driving box, a lifting mechanism is connected to a detection probe. A conveying mechanism is also provided on the floating plate. The detection probe, driven by a servo motor, threaded rod, threaded sleeve, horizontal plate, and vertical rod, can move vertically, enabling detection at multiple water depths. This configuration allows for dynamic adjustment of the probe's immersion depth, thereby enabling comprehensive and precise monitoring of water quality across different layers. The device enhances detection accuracy and operational flexibility, making it well-suited for automated aquaculture management and improving environmental regulation through intelligent feedback and multi-layer water sampling.



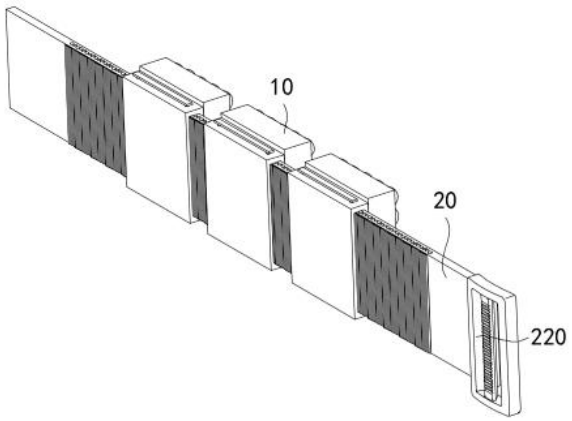
21: 2025/06042. 22: 2025/07/16. 43: 2026/02/20
51: E04G
71: GUANG′AN VOCATIONAL & TECHNICAL COLLEGE, GUANG′AN DEVEL OPMENT & CONSTRUCTION GROUP CO., LTD
72: ZHANG, Qin, LI, Lin, SONG, Dan, LEI, Bo, CHEN, Guofu
54: CIVIL ENGINEERING BUILDING STRUCTURE REINFORCEMENT DEVICE
00: -
The present invention relates to the field of civil engineering and discloses a building structure reinforcement device designed to improve structural stability during construction. The device comprises a base and a column inserted within the base, with a reinforcement mechanism positioned above the base. The reinforcement mechanism includes a reinforcement unit and a fixed unit. The column is secured within the base, and the fixed units are used to anchor the structure. A bidirectional screw rod is employed to drive a moving plate, which in turn actuates a connecting plate toward the screw rod's center. This movement pushes a vertical plate outward, driving a connecting rod that inserts a reinforcement plate into a limit sleeve, thereby providing lateral reinforcement. This structure enables effective auxiliary support for columns during civil construction, enhances the rigidity and stability of temporary or permanent support systems, and facilitates reliable on-site installation through mechanical force transmission and modular design.



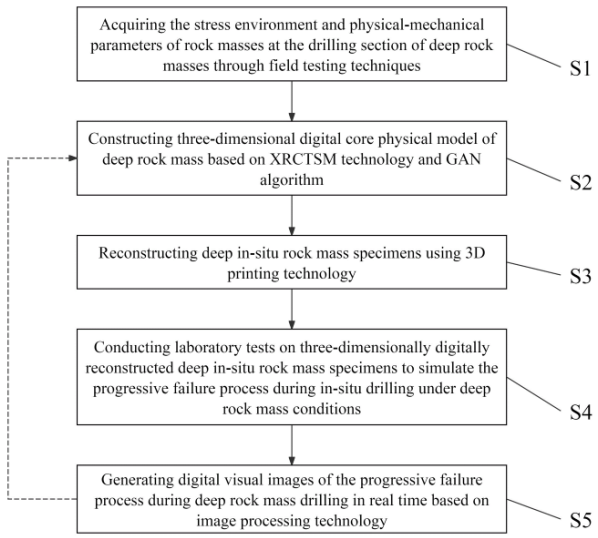
21: 2025/06043. 22: 2025/07/16. 43: 2026/02/20
51: C09J
71: SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES
72: ZHOU, Shiqing, ZHOU, Liang, GUO, Jiachen, ZHAO, Wenlong, XIONG, Honglin
54: METHOD FOR MANUFACTURING FLEXIBLE AND BREATHABLE THERMAL INTERFACE MATERIAL ON LARGE SCALE
00: -
The present invention relates to a method for manufacturing a flexible and breathable thermal interface material on a large scale. By means of simple stirring, in-situ expansion of an expandable polymer is realized, and then a heat-conducting filler is urged to form a certain heat-conducting network, and then expanded balls are removed, that is, a place where the heat-conducting network is not formed is removed, such that a breathable through hole is formed. The present invention can be manufactured on a large scale without expensive instruments, and the manufactured material has certain flexibility. Due to the above advantages, the present invention is suitable for application of wearable electronic devices, soft robots and biomedical devices.



21: 2025/06072. 22: 2025/07/17. 43: 2026/02/23
51: A61H
71: THE FIRST AFFILIATED HOSPITAL OF SOOCHOW UNIVERSITY
72: BI, Guorong, XIAO, Chengjiao, MA, Zhengmin, Gu, Xuan, HU, Jinghui, LIU, Linlin, YANG, Yufan, JI, Fuhai, PENG, Ke, LIU, Huayue, SHAN, Xisheng, MENG, Xiaowen, YANG, Guowang, LEI, Yishan, HUO, Wenwen
33: CN 31: 202520596256.7 32: 2025-04-01
54: PORTABLE MASSAGE DEVICE FOR TREATING LUMBAGO
00: -
Disclosed is a portable massage device for treating lumbago, which falls within the technical field of medical rehabilitation equipment. The portable massage device for treating lumbago includes a massage device part and a waistband assembly. A mounting plate is fixedly connected to a back of each waist massage device, each mounting plate is provided with a through groove, and a plurality of conical grooves are equidistantly arranged on an inner wall of one side, away from the waist massage device, of each through groove; and each of the mounting plates is respectively slidably arranged on the fixed belt via a through groove, and a plurality of conical strips cooperating with the conical grooves are arranged equidistantly on an outer side of the fixed belt. By the cooperation of the conical strip and the conical groove, the mounting plate can slide on the fixed belt or can be automatically fixed after sliding, so that when the waist massage device needs to be moved, it can be directly moved without unfastening the fixed belt, and the convenience for a user is improved.

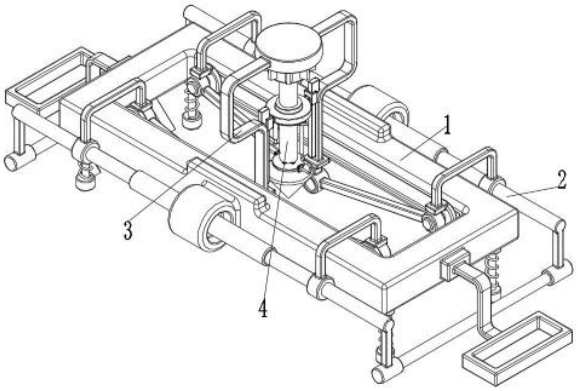


21: 2025/06073. 22: 2025/07/17. 43: 2026/02/23
51: G01N
71: Tongji University
72: LYU Xilin, ZENG Yu, XUE Dawei, LIU Xianlin, SHAO Yu
54: DIGITAL RECONSTRUCTION METHOD FOR PROGRESSIVE FAILURE TEST OF DEEP ROCK MASS BASED ON VISUAL PERCEPTION
00: -
The present invention discloses a digital reconstruction method for progressive failure test of deep rock mass based on visual perception, including the following steps: S1: acquire the stress environment and physical-mechanical parameters of rock masses at the drilling section of deep rock masses through field testing techniques; S2: construct a three-dimensional digital core physical model of deep rock masses based on XRCTSM and GAN algorithms; S3: reconstruct deep in-situ rock mass specimens using 3D printing technology; S4: conduct laboratory tests on three-dimensionally digitally reconstructed deep in-situ rock mass specimens to simulate the progressive failure process during in-situ drilling under deep rock mass conditions; S5: generate digital visual images of the progressive failure process during deep rock mass drilling in real time based on image processing technology. The advantages of the present invention are that it simulates the in-situ environment of deep rock masses and the progressive failure behavior during drilling, and reconstructs digital images of the progressive failure process of deep rock masses.



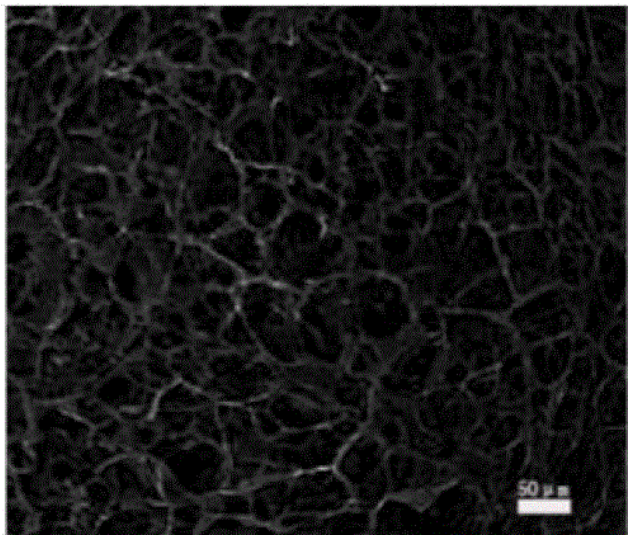
21: 2025/06075. 22: 2025/07/17. 43: 2026/02/23
51: C10L; F02B; F02C; F23D
71: BLUE MARBLE SERVICES S.R.O.
72: Arnost KORINEK
33: AP 31: AP/P/2025/016251 32: 2025-02-04
54: ADDITIVE FOR REDUCING CARBON EMISSIONS FROM INTERNAL COMBUSTION ENGINES USING HYDROCARBON FUELS
00: -
The invention relates to a mixture for reducing carbon emissions comprising from 80 to 90 % wt. Ferrocene and from 1 to 7 % wt. paraffin, the remainder of the mixture consisting of one or more additional ingredients selected from the group comprising Behenyl alcohol, hydrogenated cottonseed oil and magnesium stearate, wherein each of the additive ingredients is present in the mixture in an amount not exceeding 10 % wt. Further, the invention relates to an additive comprising the mixture, which may be, for example, in granular, tablet or solution form.

21: 2025/06076. 22: 2025/07/17. 43: 2026/02/23
51: G01N
71: GEOLOGICAL SURVEY OF GANSU PROVINCE
72: Guoqiang Dong, Pengfei Niu, Yibu Wu, Lei Xu, Guangbo Chu, Xiaobin Chang, Zhijun Bao
54: A DEVICE FOR DRILLING IN ENGINEERING GEOLOGICAL EXPLORATION
00: -
The invention relates to the technical field of engineering geological exploration, and discloses a device for drilling in engineering geological exploration. The device comprises a protective frame, the bottom of which is fixedly connected with an elastic support rod. A stabilizing component is provided on the surface of the protective frame. The stabilizing component comprises a perforated rod, which is fixedly connected to the surface of the protective frame. The inner wall of the perforated rod is fixedly connected with a bidirectional electric push rod, and the telescopic end of the bidirectional electric push rod is fixedly connected with a limiting frame. The surface of the limiting frame is fixedly connected with an insertion plate.When the exploration device needs to be transported, operators can directly lift the protective frame using the carrying frame. The storage component can push the drilling component above the protective frame, thereby avoiding exposure of the drilling component during transport, which could otherwise hinder handling by the operator. This setup also prevents the drilling component from being damaged when not in use. When the drilling component is needed for geological exploration, it can be repositioned accordingly.

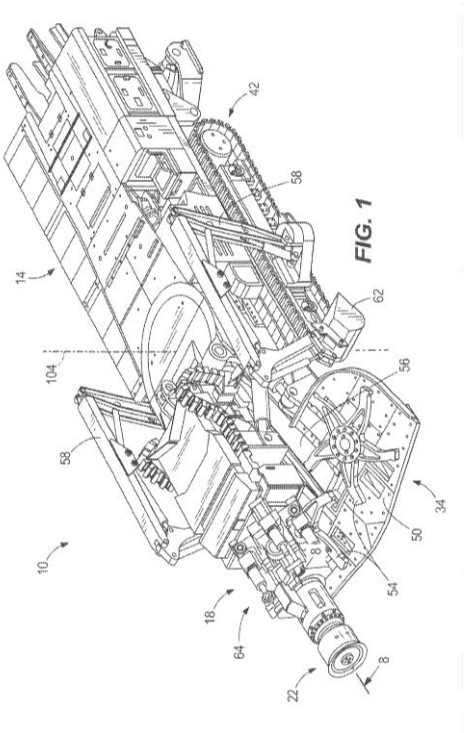


21: 2025/06077. 22: 2025/07/17. 43: 2026/02/23
51: A61K
71: Jinlai Zhou
72: Jinlai Zhou
54: CHINESE MEDICINE COMPOSITION PILL FOR TREATING OVARIAN CYSTS AND PREPARATION METHOD THEREOF
00: -
A Chinese medicine composition pill for treating ovarian cysts and a preparation method thereof, which relates to the field of traditional Chinese medicine preparations. The Chinese medicine composition pill for treating ovarian cysts is made of

functional composite polysaccharide coating solution, safflower, peach kernel, rhizoma sparganii, chuanxiong, honeysuckle, dandelion, poria, orientalis, atractylodes macrocephala, liquorice and honey; the functional composite polysaccharide coating solution is made of konjac refined powder, laminarin solution, bifidobacterium, lactobacillus and lignin. The functional composite polysaccharide coating solution has high water absorption, promoting the dissolution of Chinese medicine composition in water, shortening the disintegration time; functional composite polysaccharide coating solution protects the activity and stability of probiotics and traditional Chinese medicine combinations, improving bio-availability; under the isolation and protection of the coating solution, it reduces microbial contamination of traditional Chinese medicine compositions.



21: 2025/06082. 22: 2025/07/16. 43: 2026/02/23
51: E21C
71: JOY GLOBAL UNDERGROUND MINING LLC
72: REEVES, Stuart
33: US 31: 63/480,824 32: 2023-01-20
54: CUTTING DEVICE AND SUPPORT FOR SAME
00: -
A cutting assembly is provided for a rock excavation machine having a frame. The cutting assembly includes a base portion configured to be supported by the frame, a flexible shaft, and a cutting device. The base portion defines a base axis. The flexible shaft includes a first end and a second end opposite the first end. The first end is coupled to the base portion, and the second end is movable relative to the first end and deflectable away from the base axis. The cutting device is supported on the second end of the flexible shaft.



21: 2025/06091. 22: 2025/07/17. 43: 2026/01/27
51: E01D
71: Road & Bridge International Co., Ltd.
72: LU, Guannan, LIU, Danna, SHAO, Wenze, XIAO, Xiangrong
33: CN 31: 202310263726.3 32: 2023-03-12
54: SEGMENT-BY-SEGMENT ROTATION INSTALLATION CONSTRUCTION METHOD FOR LONG-SPAN ARCH RIB IN MOUNTAINOUS AREA
00: -
The present application relates to a segment-by-segment rotation installation construction method for a long-span arch rib in a mountainous area. An arch rib is divided into two equal-length side-segment arch ribs and two equal-length mid-segment arch ribs; permanent arch abutments are respectively poured at the feet of the two side-segment arch ribs, and temporary arch abutments are respectively poured at projection positions right below closures points of the two side-segment arch ribs and the two mid-segment arch ribs; an arch rib assembly low-level scaffolding is erected on the ground beside or behind each arch abutment to complete low-level assembly of arch rib segments; the side-segment

arch ribs and the mid-segment arch ribs are respectively rotated to as-built bridge positions, wherein after being rotated to the as-built bridge positions, the two mid-segment arch ribs are directly welded and closed into a large arch rib mid-span segment, then scaffoldings and vertical lifting systems are installed on the two side-segment arch ribs, and the arch rib mid-span segment is lifted to be closed with the two side-segment arch ribs. The present application can reduce the construction risk and cost and shorten the construction period while achieving large-span arch rib installation.

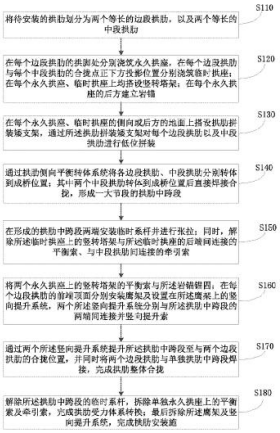


图 9

S110 Divide an arch rib to be installed into two equal-length side-segment arch ribs and two equal-length mid-segment arch ribs

S120 Separately pour a permanent arch abutment at the foot of each side-segment arch rib, and separately pour a temporary arch abutment at a projection position right below a closures point of each side-segment arch rib and the corresponding mid-segment arch rib; erect a vertical-rotation tower on each of the permanent arch abutments and the temporary arch abutments; and install a rock anchor behind each permanent arch abutment

S130 Erect an arch rib assembly low-level scaffolding on the ground beside or behind each of the permanent arch abutments and the temporary arch abutments, and perform low-level assembly of each of the side-segment arch ribs and the mid-segment arch ribs by means of the arch rib assembly low-level scaffolding

S140 Respectively rotate the side-segment arch ribs and the mid-segment arch ribs to as-built bridge positions by means of an arch rib lateral balance rotation system, wherein after being rotated to the as-built bridge positions, the two mid-segment arch ribs are directly welded and closed into a large arch rib mid-span segment

S150 Install a temporary tie rod between two ends of the arch rib mid-span segment formed and tension the temporary tie rod; and at the same time, release balance cables connected between the vertical-rotation towers on the temporary arch abutments and the rear ends of the temporary arch abutments, and traction cables connected between said vertical-rotation towers and the mid-segment arch ribs

S160 Anchor balance cables of the vertical-rotation towers on the two permanent arch abutments with the rock anchors; and separately install a scaffolding and a vertical lifting system disposed on the scaffolding on the front top surface of each side-segment arch rib, wherein the two vertical lifting systems are respectively connected between the two ends of the arch rib mid-span segment and used for vertically lifting the cables

S170 Lift the arch rib mid-span segment to closure positions with the two side-segment arch ribs by means of the two vertical lifting systems, and at the same time, separately weld the two side-segment arch ribs to the arch rib mid-span segment, thereby completing overall closure of the arch ribs

S180 Release the temporary tie rod of the arch rib mid-span segment, and remove the balance cables and the traction cables on the permanent arch abutments, thereby completing arch rib stress system conversion; and finally remove the scaffoldings and the vertical lifting systems, thereby completing installation construction of the arch rib

21: 2025/06100. 22: 2025/07/17. 43: 2026/02/09
51: A61K
71: NANOMI B.V.
72: VERWIJS, Robin, KOETZIER, Henrieke Leonie, VERBIESEN, Tim Franciscus, EDUARDO, Acarilia, FRANSSEN, Okke
33: NL 31: 2033807 32: 2022-12-22
54: PROCESS FOR PREPARING STABLE NANOPARTICLE AND COMPOSITION THEREOF
00: -
The present invention relates to a process of preparing stable nanoparticles and pharmaceutical composition thereof. Moreover, the nanoparticles prepared from the process are with a stable and controlled mean particle size and particle size distribution.

21: 2025/06108. 22: 2025/07/18. 43: 2026/02/23
51: B25B
71: MANTELLA TRADING 310 (PTY) LIMITED
72: ENGELBRECHT, Edward Hermanus, VAN DER MERWE, John
54: HEXAGONAL DRILL STEEL WRENCH
00: -
The invention provides a drill steel wrench suitable for use on a hexagonal drill rod and comprising an elongate wrench handle, and a wrench head connected to the handle and being configured to wrap around the drill rod. The wrench head includes a hexagonal bore extending through the wrench head perpendicularly to an elongate axis of the handle. The wrench head comprises a head end which is immovable secured to the wrench handle, and a head cap which is pivotally connected to the head end. The head cap is displaceable between an open position in which the wrench head is disengaged from a drill rod; and a closed position in which the wrench head may be wrapped around the drill rod, with the hexagonal profile of the bore being arranged in complimentary engagement with the hexagonal profile of the drill rod.

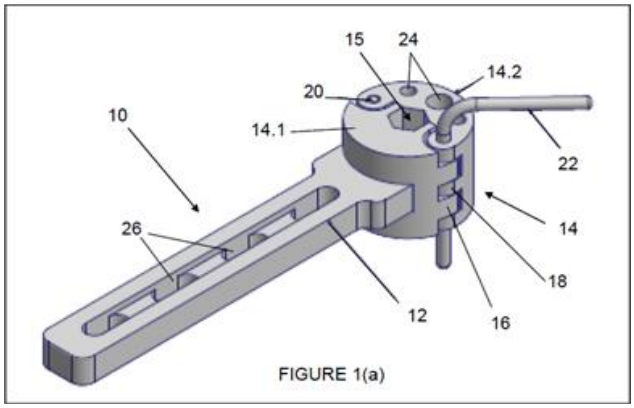


FIGURE 1(a)

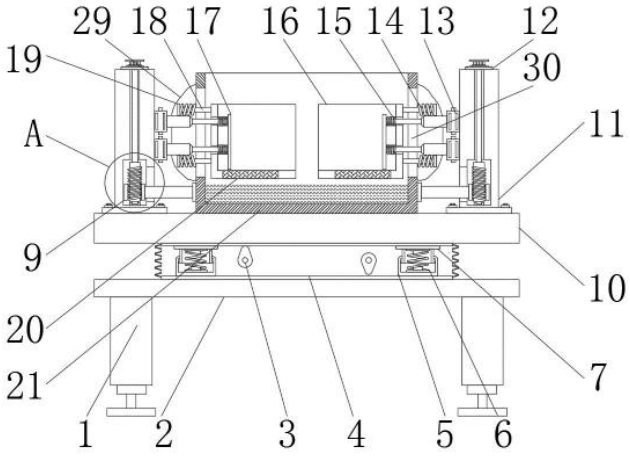
21: 2025/06110. 22: 2025/07/18. 43: 2026/02/23
51: G01N
71: Kunming University of Science and Technology, Geological Geophysical and Chemical Exploration Institute of Yunnan Nonferrous Metals Geological Bureau
72: LIU Henglin, LIU Jie, LI Shibin, WANG Yue, YANG Zhiquan, WANG Xin, FANG Xueming, SUN Wei, XING Ling, GONG Yaping, DU Min, PENG Yang, LI Gen, WANG Qizhong, CUI Haojie, ZHENG Xinru, YANG Qiuxia, ZANG Mei, LIANG Xingxing, LI Jingsheng, YUAN Chengfei, YIN Xinglang, XU Bo,

YANG Wenming, XIONG Jiasheng, YU Xiaochuan, LIU Chunjiang, LIAO Yu

54: DEVICE SUITABLE FOR SIMULATING SHEAR GEOLOGICAL EFFECTS OF DEEP STRIKE-SLIP FAULTS

00: -

The present invention discloses a device suitable for simulating shear geological effects of deep strike-slip faults, including base feet, as well as a pushing structure for simulating soil layer compression, a vibration structure for simulating topographic features during earthquakes, and a lifting structure for simulating high-humidity soil layers. The top of the base feet is equipped with a fixed plate, and the top of the fixed plate is equipped with a rubber soft tank. Both sides of the bottom inside the rubber soft tank are equipped with fixed support grooves, while both sides of the top inside the rubber soft tank are equipped with movable support grooves. The bottom ends of the movable support grooves extend into the fixed support grooves. The invention is equipped with a drive motor. When the drive motor is activated, the active rod begins to rotate, and through the transmission of the active pulley, belt, and driven pulley, the driven rod also starts to rotate, causing two cams with different angles inside the rubber soft tank to rotate. This structure simulates the conditions during an earthquake, facilitating observation of the topography of the soil layer during seismic activity.

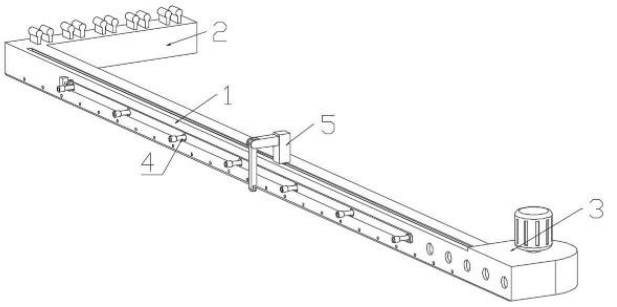


21: 2025/06111. 22: 2025/07/18. 43: 2026/02/23
51: A61B
71: Beijing Children's Hospital, Capital Medical University Baoding Hospital
72: Chen Chen, Peng Ha
33: CN 31: 2025108469646 32: 2025-06-24

54: SURGICAL ROOM WOUND CLEANING AND NURSING DEVICE

00: -

A surgical room wound cleaning and nursing device, which belongs to the field of medical devices, comprising a sealing strip, a reset chamber, a power chamber, an adjustment mechanism, and a water collection mechanism; the reset chamber is arranged at one end of the sealing strip, and the power chamber is arranged at the other end of the reset chamber, the adjustment mechanism is slidably arranged inside the sealing strip, and the water collection mechanism is slidably arranged on a top of the sealing strip; the sealing strip includes a first rubber strip, the first rubber strip is provided with a second sliding groove, and a top and bottom walls of the second sliding groove are provided with auxiliary grooves; the adjustment mechanism includes a second rubber strip, the second rubber strip is slidably arranged in the second sliding groove, and the second rubber strip fits closely with the auxiliary grooves; a side wall of the second sliding groove is provided with water outlets, the water outlets are arranged in a linear array, a guiding pipe is arranged at the water outlet, one end of the guiding pipe faces the power chamber. The invention creates an annular area on the patient's torso, effectively isolates the wound, prevents waste liquid from overflowing, and reduces the operational difficulty for medical staff.



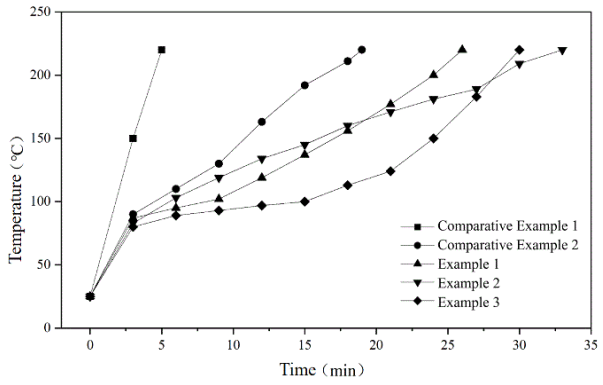
21: 2025/06112. 22: 2025/07/18. 43: 2026/02/23
51: D06M
71: FUZHOU UNIVERSITY
72: Yang Zhengxian, Shen Kai, Lu Lin, Jiang Shanshan, Chen Aoxin
33: CN 31: 202510735585.X 32: 2025-06-04

54: WATER-SOLUBLE SINGLE-COMPONENT INTUMESCENT FLAME RETARDANT AND

PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present disclosure relates to the technical field of flame retardant materials, and specifically to a water-soluble single-component intumescent flame retardant and a method and an application thereof. The water-soluble single-component intumescent flame retardant employs cyanuric chloride as a core skeleton, covalently bonds pentaerythritol phosphate and polyethylene glycol 200 to a triazine ring through a three-step polymerization reaction, thereby forming a molecular structure with high water solubility and a carbon-nitrogen-phosphorus triple-source synergistic flame retardant effect. The water-soluble single-component intumescent flame retardant can be used to prepare amino resin-based intumescent transparent fire-retardant coatings. The raw materials of the amino resin-based intumescent transparent fire-retardant coating, in parts by weight, comprise: 100 parts of film-forming agent solution, 10 to 30 parts of flame retardant solution, and 2 to 3 parts of curing catalyst. The amino resin-based intumescent transparent fire-retardant coating not only ensures the transparency of the coating but also imparts excellent flame retardancy and thermal insulation properties to the coating.



21: 2025/06113. 22: 2025/07/18. 43: 2026/02/23

51: C25B

71: Foreign Language School Attached to Anhui Normal University

72: XU, Liangduo, QIAN, Lianying

54: HYDROGEN PRODUCTION METHOD, HYDROGEN PRODUCTION REACTION MODULE, AND HYDROGEN ENERGY POWER SYSTEM

00: -

Provided are a hydrogen production method, a hydrogen production reaction module and a hydrogen energy power system. The hydrogen production method includes: mixing aluminum, water and a catalyst to produce hydrogen, where the catalyst is a liquid metal; and the water has an initial temperature ranging from 20 degree Celsius to 100 degree Celsius. According to the present invention, by using the liquid metal as the catalyst, the liquid metal can dissolve, based on metal phase interface extraction, the aluminum into a liquid metal system from a surface containing an aluminum oxide film, such that metal activity of aluminum atoms on a surface of the liquid metal is enhanced to accelerate rapid reaction of the aluminum and the water at a normal temperature, thereby improving a hydrogen production rate.

21: 2025/06114. 22: 2025/07/18. 43: 2026/02/23

51: G06K

71: Tongji University

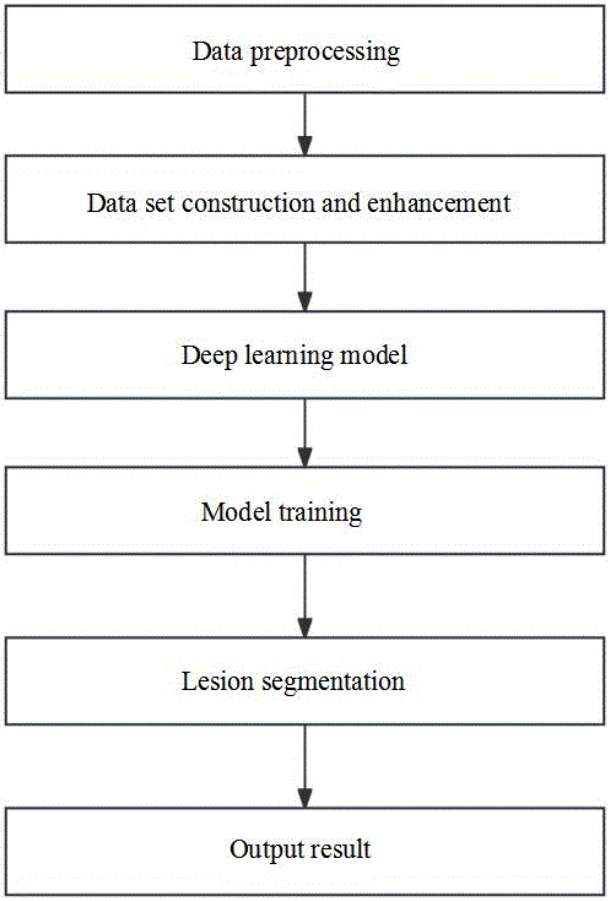
72: Yuxiang Qin

54: METHOD FOR AUTOMATICALLY SEGMENTING MEDICAL ULTRASONIC VIDEO LESIONS BASED ON DEEP LEARNING

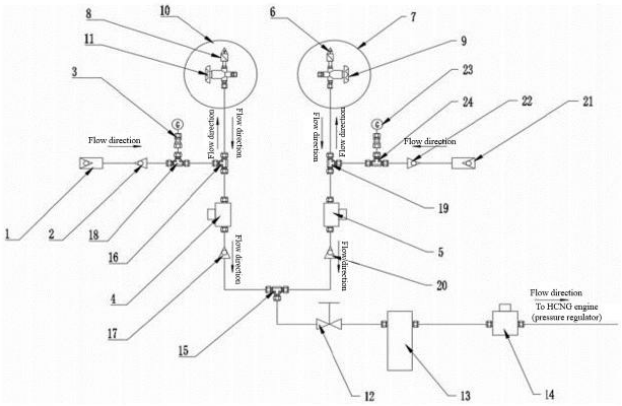
00: -

The invention discloses a method for automatically segmenting medical ultrasonic video lesions based on deep learning, and belongs to the field of medical image processing and computer vision. In the prior art, low contrast, noise interference and neglect of time sequence information lead to unstable segmentation. By combining the attention mechanism and ConvLSTM unit, this method realizes the high-precision segmentation of the lesion area in the ultrasonic video sequence. The attention mechanism module adaptively adjusts the channel and spatial weight of the feature map, highlights the characteristics of the lesion and suppresses the background noise; ConvLSTM unit ensures the sequential consistency of segmentation results and avoids dislocation and flicker through the transmission of hidden state information between frames. The generalization ability and robustness of the model are improved by data enhancement and optimization strategy, and the segmentation boundary is optimized by post-processing technology to remove noise and smooth the contour of the lesion. Experiments show that the method can

effectively improve the stability and accuracy of lesion segmentation, and has a wide clinical application prospect.

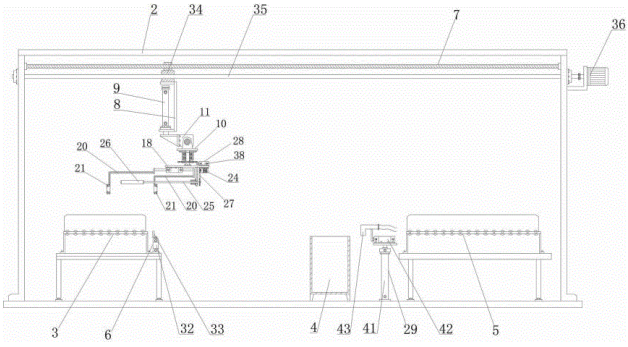


21: 2025/06115. 22: 2025/07/18. 43: 2026/02/24
51: F17C
71: Sinoma Science & Technology(chengdu)Co.,Ltd
72: ZHOU Hong, ZHOU Yin, ZHANG Bin, LIU Lei, ZHANG Chuanghui
33: CN 31: 2024116741515 32: 2024-11-21
54: VEHICULAR HYDROGEN-ENRICHED COMPRESSED NATURAL GAS (HCNG) SUPPLY SYSTEM AND METHOD
00: -
The present invention relates to the technical field of vehicular hydrogen energy power generation, and provides a vehicular hydrogen-enriched compressed natural gas (HCNG) supply system and method. The system includes a main pipeline connected to an automotive HCNG engine, and the other end of the main pipeline is connected to a gaseous natural gas regulation pipeline and a gaseous hydrogen regulation pipeline. The gaseous natural gas regulation pipeline includes a compressed natural gas (CNG) cylinder and a natural gas flow control valve connected to an outlet end of the CNG cylinder; and the gaseous hydrogen regulation pipeline includes a hydrogen cylinder and a hydrogen flow control valve connected to an outlet end of the hydrogen cylinder. The present invention controls the flow rates of CNG and hydrogen in real-time according to demands, achieving precise adjustment of the mixture ratio. It may meet the demands of different HCNG fuel engines and the variable working conditions of the same engine, ensuring the safe and reliable operation of the CNG supply system, and improving the emission performance and economic efficiency of CNG vehicles.

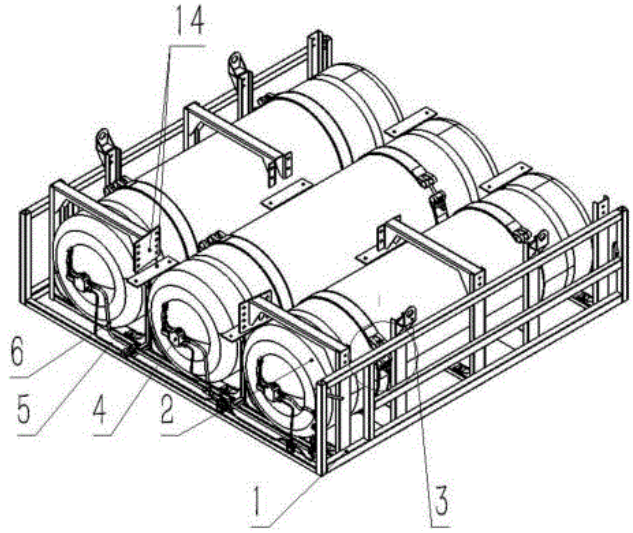


21: 2025/06116. 22: 2025/07/18. 43: 2026/02/24
51: F01N
71: Sinoma Science & Technology (Chengdu) Co., Ltd, China National Building Material Group Co., Ltd.
72: FENG Cunjiang, LI Shihong, LUO Fushun, YI Hao, QI Na, SU Huadong
33: CN 31: 2024119201896 32: 2024-12-25
54: CLEANING LINE AND METHOD FOR AUTOMATICALLY CLEANING VEHICLE-MOUNTED GAS CYLINDERS
00: -
The invention discloses a cleaning line and a method for automatically cleaning vehicle-mounted gas cylinders, and relates to the technical field of cleaning vehicle-mounted gas cylinders. A feeding conveying roller table, a cleaning tank and a discharging conveying roller table are sequentially arranged on the backing plate from left to right, and is characterized in that a blocking mechanism for blocking the vehicle-mounted gas cylinders from moving to the right is arranged on the right side of

the feeding conveying roller table, a lead screw nut pair is arranged on the gantry, a frame is fixedly arranged on the bottom surface of the nut of the lead screw nut pair, a piston rod of the clamping oil cylinder downward penetrates through the bottom wall of the frame, and a cleaning assembly for clamping, rotating and swinging the vehicle-mounted gas cylinder to be cleaned is arranged on the extending end; the top surface of the mounting plate is provided with a swinging mechanism for driving the main shaft to reciprocate around its own axis; and a drying mechanism for drying vehicle-mounted gas cylinders is arranged on the backing plate and between the discharging conveying roller table and the cleaning tank. According to the invention, the efficiency of cleaning the vehicle-mounted gas cylinders can be greatly improved, and oil stains attached to the arc surface of the vehicle-mounted gas cylinders can be thoroughly cleaned.

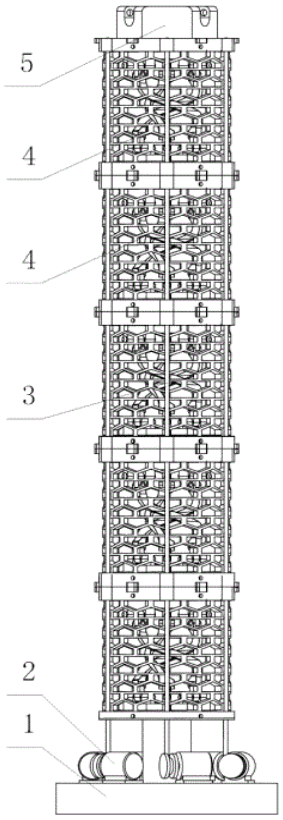


21: 2025/06117. 22: 2025/07/18. 43: 2026/02/24
51: B60K
71: Sinoma Science & Technology (chengdu) Co., Ltd
72: ZHOU Yin, ZHOU Hong, LI Shihong, ZHANG Bin, QI Na, LI Lin
33: CN 31: 2024113007977 32: 2024-09-18
54: TYPE IV BOTTLE HYDROGEN STORAGE SYSTEM FRAME ASSEMBLY AND USE METHOD THEREOF
00: -
The present invention discloses a type IV bottle hydrogen storage system frame assembly and a use method thereof, and it relates to the field of on-board hydrogen storage technology. The invention includes a hydrogen storage frame, and further includes: a Type IV hydrogen storage cylinder detachably mounted on the hydrogen storage frame via a restraint mechanism; the restraint mechanism is installed on the hydrogen storage frame and configured to restrain the Type IV hydrogen storage cylinder; the restraint mechanism includes a cylinder clamping band, a bolt fixing block, a bolt, a heavy-duty spring, and a nut; an upper end of the bolt is threadedly connected to an upper bolt fixing block; a lower bolt fixing block is slidingly engaged with the bolt; a lower end portion of the bolt is threadedly connected to the nut; the heavy-duty spring is sleeved on the bolt and positioned between the lower bolt fixing block and the nut. The invention enables horizontal arrangement of three cylinders within the frame; the cylinders are fixedly connected to the frame using cylinder clamping bands, bolt fixing blocks, bolts, protective pads, heavy-duty springs, spring stop blocks, and nuts, thereby absorbing vehicle vibrations and impacts to prevent failures.



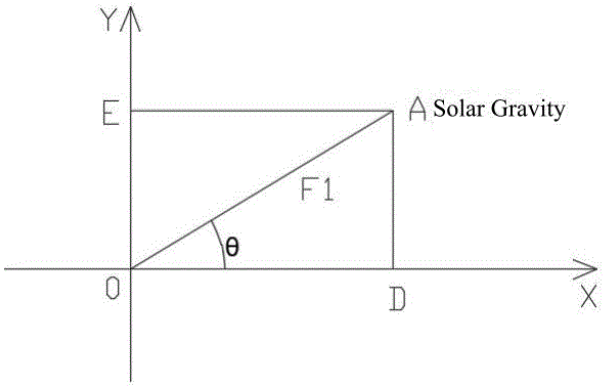
21: 2025/06118. 22: 2025/07/18. 43: 2026/02/23
51: B25J
71: Jiamusi University
72: Qi FANG, Jinglin LIU, Haifeng ZHANG, Xuetong ZHU, Yuhao CUI, Weiwei PEI
54: FLEXIBLE MANIPULATOR BASED ON MECHANICAL SUPERSTRUCTURE
00: -
The invention relates to the field of robot technology, in particular to a flexible manipulator based on mechanical superstructure, including a base, a control device, an execution unit and a number of joint modules in series. The control device includes a driving mechanism and a driving rope. The execution unit is set at the end of the joint module. Each joint module is composed of an upper support

plate, a lower support plate, a connector and a superstructure unit. Both ends of the connector are hinged with the support plate through the first rotating part and the second rotating part respectively, which can realize multi-directional bending and torsion. The superstructure unit includes a fixed ring and a support unit, and is fixedly connected with the upper support plate and the lower support plate through a pin shaft. The driving rope passes through all the joint modules, and the driving mechanism controls the bending motion of the joint module by retracting and releasing the driving rope. The invention solves the problem that the stability and flexibility of the traditional manipulator are difficult to balance, and is suitable for operation in narrow space and unstructured environment.



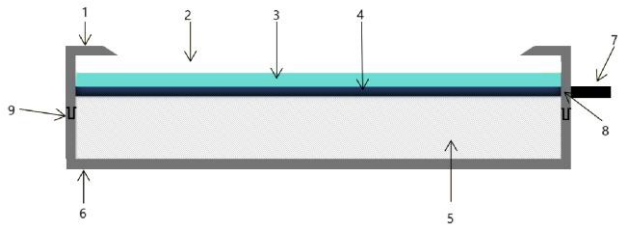
21: 2025/06120. 22: 2025/07/18. 43: 2026/02/23
51: G01V
71: Xiaohong Yi
72: Xiaohong Yi
54: EARTHQUAKE PREDICTION DEVICE AND METHOD
00: -

An earthquake prediction method, which utilizes the gravitational alignment equation of the Sun and Moon to determine the coordinates of induced earthquakes, this method is an efficient and accurate calculation approach that allows for early knowledge of earthquake location coordinates and the ability to predict the location of earthquakes in advance, it solves the problem of accurate early earthquake prediction and makes a significant contribution to global disaster prevention and mitigation efforts.



21: 2025/06121. 22: 2025/07/18. 43: 2026/03/16
51: G01N
71: HANGZHOU ZHEDA DIXUN BIOLOGICAL GENE ENGINEERING CO., LTD.
72: LIU, Yi, WU, Zhoujie, LEI, Wei, CHEN, Shanshan, WU, Shandong, WU, Ting, ZHANG, Xinran, ZHOU, Xiandong, LING, Yun, HE, Sicong, XIAN, Moyi, LI, Yan
33: CN 31: 2025101307157 32: 2025-02-06
54: FLUORESCENCE DIAFILTRATION KIT FOR DETECTING ALLERGEN-SPECIFIC IGE ANTIBODIES
00: -
The present invention relates to the technical field of allergen detection. The present invention provides a fluorescence diafiltration kit for detecting allergen-specific IgE antibodies, where the kit includes a detection membrane, a microporous membrane, a plastic film, absorbent paper, a washing solution and an IgE secondary antibody working solution. According to the present invention, latex microspheres-allergen proteins are coated onto nitrocellulose membranes, when serum containing allergen sIgE antibodies is added to a detection card, sIgE antibodies bind to antigens fixed on the membrane, thereby forming an immune complex of latex microspheres-antigen-sIgE antibodies fixed on the membrane, and the remaining substances that

are not bound are removed by washing steps. Then the IgE secondary antibody working solution is added to the detection card to form a latex microsphere-antigen-sIgE antibody-anti-human IgE antibody-fluorescent labeling complex. After unbound substances are removed by washing, the fluorescence intensity of the detectable point represents the concentration of sIgE antibodies contained in the serum.

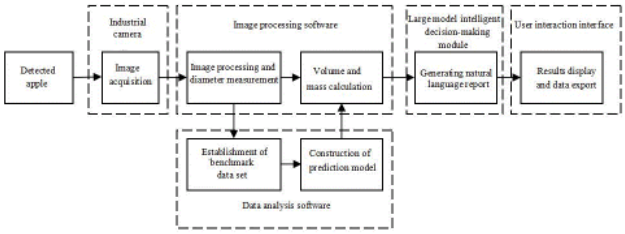


21: 2025/06122. 22: 2025/07/18. 43: 2026/02/23
51: G06T
71: Jiaxing Vocational & Technical College
72: Zhicheng Gong, Wenjun Gu, Yangfan Lu, Peijie Shi

54: APPLE GRADING OPTIMIZATION SYSTEM AND METHOD BASED ON MACHINE VISION AND LARGE MODEL INTELLIGENT DECISION-MAKING

00: -

The invention discloses an apple grading optimization system and method based on machine vision and large model intelligent decision-making, and belongs to the technical field of agricultural automation. In this method, a high-resolution industrial camera is used to collect the apple image, and the apple contour is extracted by denoising, graying and adaptive threshold segmentation techniques. The diameter is accurately measured by combining morphological operation and projection area method, and the benchmark data set of volume and quality is established by drainage method and weighing method, and a polynomial regression model is constructed to realize the rapid prediction of apple volume and quality. Further integrate the intelligent decision-making module of large model, fuse the dynamic market data (such as price fluctuation, order demand) and historical sales records in real time, generate a dynamic grading strategy, and guide the sorting process optimization through natural language reports, forming a "detection-decision-execution" closed loop. The system adopts non-invasive design, supports the access of a variety of large-scale model agents, significantly improves the flexibility and market adaptability of classification, the measurement error is less than 6 percent, and the sorting efficiency is improved by 30 percent. It is suitable for intelligent management of orchards, warehouses and supply chains.



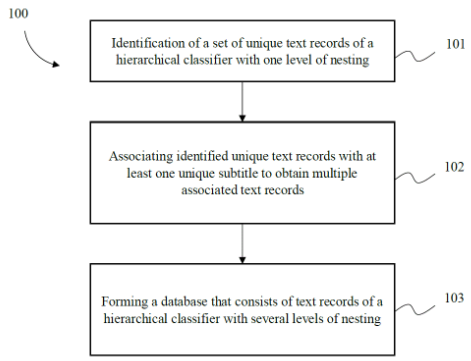
21: 2025/06124. 22: 2025/07/18. 43: 2026/02/23
51: G06F
71: Anna Valerevna Chernyaeva
72: Maxim Andreevich Chernyaev
33: RU 31: 2024128789 32: 2024-09-27

54: METHOD FOR CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING

00: -

The present technical solution relates to the field of digital technologies, in particular to the methods of forming databases of text records of a hierarchical classifier with several levels of nesting. In a preferred embodiment claimed a method is claimed to be executed by the processor of a computer device for forming a database of text records of a hierarchical classifier with several levels of nesting, containing the following steps: identifying a plurality of unique text records of the hierarchical classifier with a single level of nesting, wherein each unique text record is associated with a unique header, each unique header contains a list consisting of at least a plurality of unique subheaders; associating the identified unique text records with one of the mentioned unique subheaders to obtain a plurality of associated text records; forming a database of text records of the hierarchical classifier with multiple levels of nesting, containing at least the plurality of mentioned associated text records, each of which is associated with at least one first linkage characteristic, wherein each first linkage characteristic corresponds to one of the mentioned

subheader and the first linkage characteristic is a unique identifier of one of the subheaders.

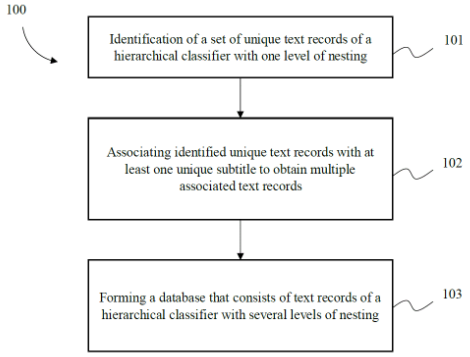


21: 2025/06125. 22: 2025/07/18. 43: 2026/02/23
51: G06F
71: Anna Valerevna Chernyaeva
72: Maxim Andreevich Chernyaev
33: RU 31: 2024128790 32: 2024-09-27

54: METHOD FOR CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING

00: -

The present technical solution relates to the field of digital technologies, in particular to the methods of forming databases of text records of a hierarchical classifier with several levels of nesting. In a preferred embodiment claimed a method is claimed to be executed by the processor of a computer device for forming a database of text records of a hierarchical classifier with several levels of nesting, containing the following steps: identifying a plurality of unique text records of the hierarchical classifier with a single level of nesting, wherein each unique text record is associated with a unique header, each unique header contains a list consisting of at least a plurality of unique subheaders; associating the identified unique text records with one of the mentioned unique subheaders to obtain a plurality of associated text records; forming a database of text records of the hierarchical classifier with multiple levels of nesting, containing at least the plurality of mentioned associated text records, each of which is associated with at least one first linkage characteristic, wherein each first linkage characteristic corresponds to one of the mentioned subheader and the first linkage characteristic is a unique identifier of one of the subheaders, and at least one first unique header is associated with at least one second unique header.



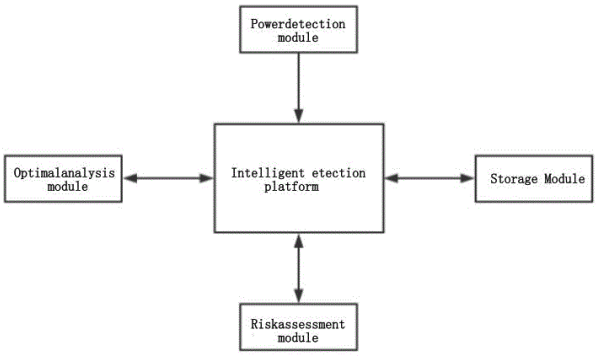
21: 2025/06127. 22: 2025/07/18. 43: 2026/02/23
51: G06F
71: Jiangsu Goldwind Technology Co., Ltd., Hehai University
72: XUE Wenfei, JI Weidong, TAN Hong, LI Rongfu, XU Xiaohua, LIAO Guanghong

54: AN INTELLIGENT DETECTION SYSTEM FOR MARINE DYNAMIC ENVIRONMENT BASED ON DATA ANALYSIS

00: -

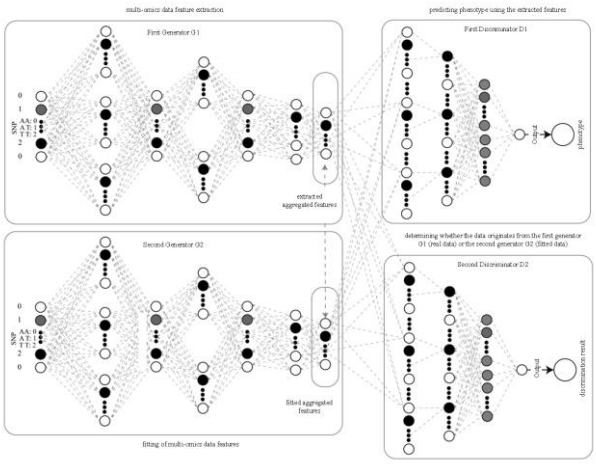
The present invention belongs to the field of ocean dynamics and relates to data analysis technology, which is used to solve the problem that existing intelligent detection systems for ocean dynamics environments cannot evaluate and analyze the conversion priority and conversion risk of ocean dynamics detection areas. Specifically, it is a data analysis based intelligent detection system for ocean dynamics environments, including an intelligent detection platform, which is connected to a power detection module, a selection analysis module, a risk assessment module, and a storage module through communication; The power detection module is used for detecting and analyzing the marine dynamic environment: marking the sea area for marine dynamic environment detection as the detection area, obtaining the sea surface temperature value, sea surface salinity value, and sea surface height value of the detection point; The present invention can detect and analyze the marine dynamic environment, thereby obtaining the dynamic coefficient by analyzing and calculating the dynamic parameters of each detection subregion, and evaluating the dynamic conversion value of the

detection subregion based on the dynamic coefficient.



21: 2025/06128. 22: 2025/07/18. 43: 2026/02/23
51: A23L
71: Shanghai Jiao Tong University
72: DENG Yun, ZHONG Yu, YIN Hao
54: ANTI-FATIGUE PROTEIN BAR BASED ON COFFEE PROCESSING BY-PRODUCTS AND PREPARATION METHOD THEREOF
00: -
The invention develops an anti-fatigue protein bar based on coffee processing by-products and a preparation method thereof. Pea protein is selected as the main raw material, and its botanical characteristics make the product have low allergenicity and high digestibility, and at the same time provide a taste basis. On this basis, coffee pericarp chlorogenic acid extract microcapsules, coffee pericarp pectin, cold-pressed coffee ground oil, oat flour, date palm puree, cocoa powder and natural sweeteners were added, and protein bars were made by low-temperature mixing-cold-pressing molding process. The invention is technically characterized in that pectins from coffee pericarps are used to replace artificial colloid to help protein form a self-supporting structure, the compound system of chlorogenic acid and coffee ground oil polyphenol enhances the antioxidant effect, and pectin fiber prolongs satiety, thus realizing multiple functions of anti-fatigue and improving exercise endurance. Meanwhile, by-products such as coffee pericarps and coffee grounds are fully recycled to achieve the innovative goal of functional and zero waste production.

21: 2025/06133. 22: 2025/07/18. 43: 2026/02/20
51: G16B
71: AGRICULTURAL GENOMICS INSTITUTE AT SHENZHEN, CHINESE ACADEMY OF AGRICULTURAL SCIENCES (GUANGDONG LABORATORY OF LINGNAN MODERN AGRICULTURE SHENZHEN BRANCH)
72: LIU, Yuwen, MA, Wenlong, ZHENG, Weigang, NIU, Shiqi
33: CN 31: 202311601745.9 32: 2023-11-27
54: METHOD FOR CONSTRUCTING GAN MODEL AND METHODS FOR DATA FITTING, PHENOTYPE PREDICTION, SAMPLE AUGMENTATION, AND BREEDING BASED ON THE GAN MODEL
00: -
The present application provides a method for constructing a GAN model and methods for data fitting, phenotype prediction, sample augmentation, and breeding based on the GAN model. The GAN model is first trained by inputting real multi-omics data into a real multi-omics data generator (G1) to extract features, which are then used by a real phenotype discriminator (D1). Subsequently, random noise is input into a fitted multi-omics data generator (G2), and real data is again input into G1. The outputs of G1 and G2 are then used to train a fitted multi-omics data discriminator (D2). The disclosed methods compensate for insufficient data volume and fully leverage the advantages of deep learning algorithms, thereby significantly improving the accuracy of genomic selection.



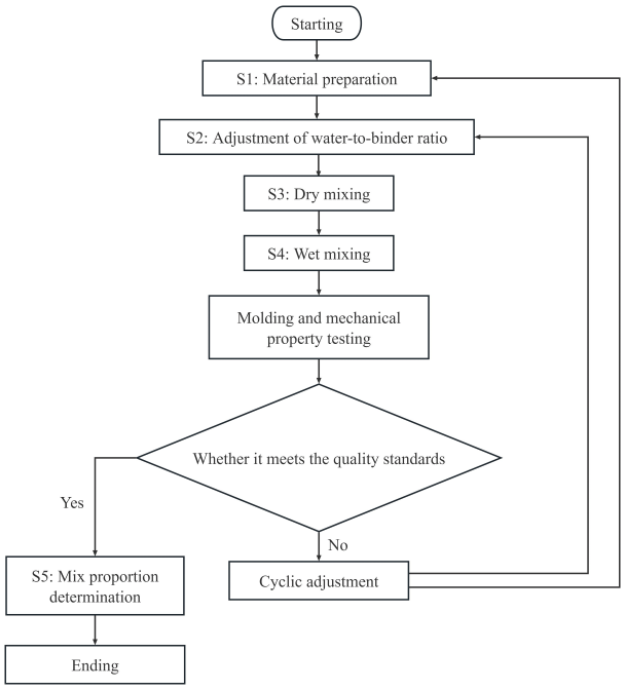
21: 2025/06165. 22: 2025/07/21. 43: 2026/02/23
51: C04B
71: Xinjiang Research Institute of Building Sciences (Co.Ltd)

72: CHEN Ning, GUO Hai, DONG Cun, TIAN Panpan, LIU Hao, NIE Jiawei, ZHANG Zhong, YAO Haibin, ZHAO Huajie, SHAN Zhihan

54: DESERT SAND-BASED HIGH-TOUGHNESS CEMENTITIOUS COMPOSITE MATERIAL AND PRODUCTION METHOD THEREOF

00: -

The present invention discloses a desert sand-based high-toughness cementitious composite material and its production method, belonging to the technical field of building materials. The composite material comprises desert sand, cement, mineral powder, fly ash, silica fume, powdered polycarboxylate superplasticizer, PE fibers, and water. This mortar exhibits excellent compressive strength (greater than or equal to 11.0 N/mm3), flexural strength (greater than or equal to 45.0 N/mm3), equivalent flexural strength (greater than or equal to 11.0 N/mm3), and equivalent flexural toughness (greater than or equal to 170.0 kJ/m3), making it suitable for structural reinforcement, repair, and high-performance construction projects. The production method adopts a step-by-step mixing process: first, dry-mixing cement, mineral powder, fly ash, powdered polycarboxylate superplasticizer, and other materials with desert sand uniformly, then sequentially adding water and fiber components for wet mixing to ensure homogeneous dispersion of all components. The invention not only achieves the resource utilization of desert sand, alleviating environmental pressure, but also significantly improves the ductility and mechanical properties of the mortar, offering excellent economic and environmental benefits.



21: 2025/06166. 22: 2025/07/21. 43: 2026/02/23

51: H05K

71: Guangxi Technological College of Machinery and Electricity

72: WANG Hongguo, LIN Xianxin, WU Yonghui, SU Qian

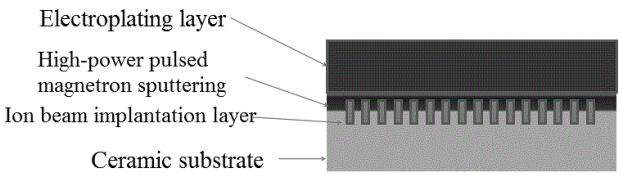
33: CN 31: 2025104517852 32: 2025-04-11

54: CERAMIC COPPER-CLAD PLATE AND PREPARATION METHOD AND APPLICATION THEREOF

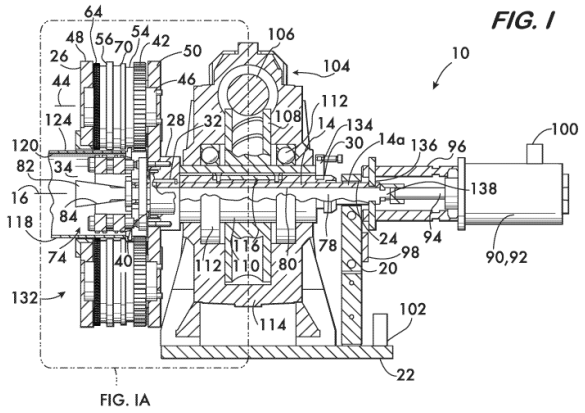
00: -

The present invention discloses a ceramic copper-clad plate, its preparation method and application, belonging to the technical field of electronic packaging. A ceramic copper-clad plate is prepared by successively subjecting a ceramic substrate to electron beam bombardment, ion beam implantation, primary high-power pulsed magnetron sputtering, secondary high-power pulsed magnetron sputtering, and electroplating. The ceramic copper-clad plate includes, from bottom to top: a ceramic substrate, an ion beam implantation layer, a high-power pulsed magnetron sputtering layer, and an electroplating layer. The ceramic copper-clad plate prepared by the preparation method of the present invention has good bonding force and tensile modulus, which can effectively reduce cracking between the ceramic and the copper foil; in addition, the preparation method of the present invention also has the advantages of low

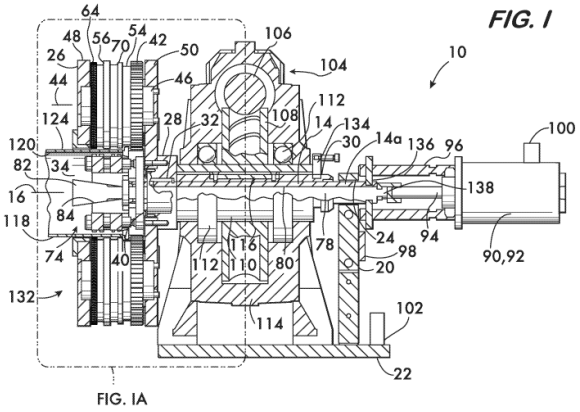
energy consumption, strong practicability, and suitability for mass production, etc.



21: 2025/06169. 22: 2025/07/21. 43: 2026/02/09
51: A62C; B05B; B21B; B21D
71: VICTAULIC COMPANY
72: DOLE, Douglas R.
33: US 31: 62/607,340 32: 2017-12-19
33: US 31: 62/717,086 32: 2018-08-10
54: PIPE GROOVING DEVICE
00: -
A device for forming circumferential grooves in pipe elements uses multiple geared cam bodies mounted on a carriage which rotates about a fixed pinion. The gears engage with the pinion which causes the geared cam bodies to rotate relative to the carriage. Traction surfaces and cam surfaces on the cam bodies traverse the outer surface of the pipe element and impress a circumferential groove therein. To substantially prevent rotation of the pipe element the pitch circle diameter of the pinion equals the outer diameter of the pipe element and the pitch circle diameters of the traction surfaces equal the pitch circle diameters of the gears.

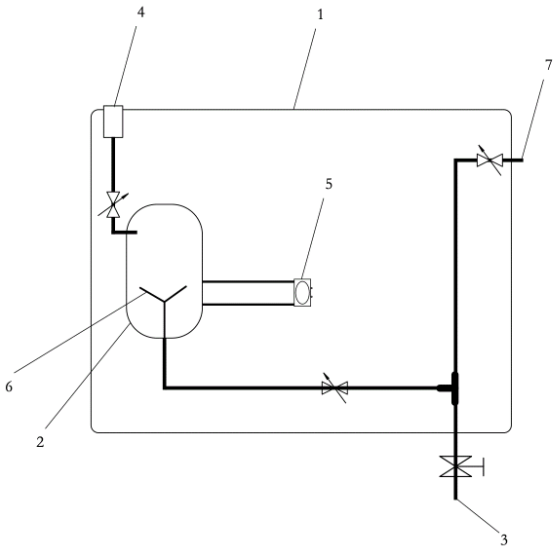


21: 2025/06170. 22: 2025/07/21. 43: 2026/02/09
51: A62C; B05B; B21B; B21D
71: VICTAULIC COMPANY
72: DOLE, Douglas R.
33: US 31: 62/607,340 32: 2017-12-19
33: US 31: 62/717,086 32: 2018-08-10
54: PIPE GROOVING DEVICE
00: -
A device for forming circumferential grooves in pipe elements uses multiple geared cam bodies mounted on a carriage which rotates about a fixed pinion. The gears engage with the pinion which causes the geared cam bodies to rotate relative to the carriage. Traction surfaces and cam surfaces on the cam bodies traverse the outer surface of the pipe element and impress a circumferential groove therein. To substantially prevent rotation of the pipe element the pitch circle diameter of the pinion equals the outer diameter of the pipe element and the pitch circle diameters of the traction surfaces equal the pitch circle diameters of the gears.

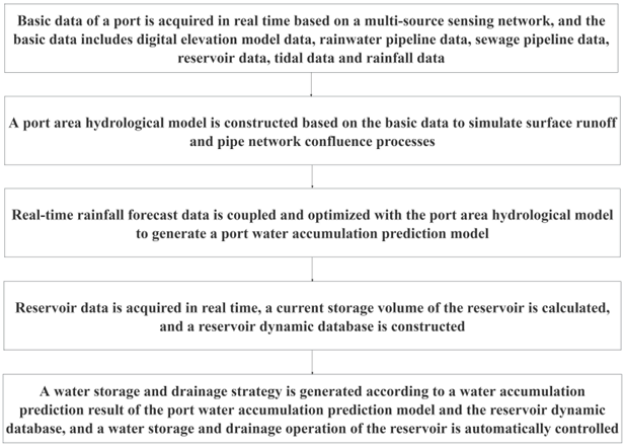


21: 2025/06179. 22: 2025/07/21. 43: 2026/02/23
51: C12M
71: BEIJING GREEN NITROGEN BIOTECHNOLOGY CO., LTD., ZHONGNONG CHUANGDA (BEIJING) ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD.
72: MA, Ruiqiang, CUI, Wenjing, YANG, Yang, HOU, Zhenhua, ZENG, Xianfeng
33: CN 31: 202310943775.1 32: 2023-07-31
54: DIRECTED MICRO-ECOLOGY FERMENTATION DEVICE, FERMENTATION METHOD AND COMPUTER READABLE STORAGE MEDIUM
00: -
A directed micro-ecology expansion apparatus. The apparatus may comprise: a housing; an expansion container disposed in the housing, used to provide a place for expanding a micro-ecology microbial agent; a liquid injection port disposed on the housing and in

communication with the expansion container, used to inject a first liquid into the expansion container; a microbial agent adding unit disposed on the shell and in communication with the expansion container, used to add the micro-ecology microbial agent into the expansion container; a temperature control unit disposed in the shell, used to control the temperature of the first liquid in the expansion container; a stirrer disposed in the expansion container, used to stir the first liquid in the expansion container to promote expansion; and a discharge port disposed on the shell and in communication with the expansion container, used to discharge material in the expansion container after expansion. Also provided are an expansion method for the directed micro-ecology expansion apparatus, a computer-readable storage medium and an electronic device.



21: 2025/06180. 22: 2025/07/21. 43: 2026/02/23
51: G05B
71: TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING.M.O.T.
72: PENG, Shitao, JIA, Jianna, ZHANG, Kailei, QIU, Ning, ZHENG, Peng, AI, Jia, MA, Guoqing
54: INTELLIGENT MANAGEMENT AND CONTROL METHOD AND SYSTEM FOR PORT WATER ACCUMULATION BASED ON MULTI-SOURCE DATA FUSION
00: -
The present application provides a method for low-temperature storage of sugarcane pollen, meeting the requirements of different storage time periods for sugarcane pollen by adjusting the water content of fresh sugarcane pollen, including the following steps: (1) reducing the water content of fresh sugarcane pollen to 25%-30% and storing at 0℃ for 1-5 d, and (2) reducing the water content of fresh sugarcane pollen to about 15%-20% and storing at -20℃ for 5-30 d. The present application can prolong the viability time of sugarcane pollen, solve the problem that the flowering period of sugarcane parents is not met, overcome the time and space limitations in sugarcane hybrid breeding, improve breeding efficiency, provide convenience for germplasm exchange between regions and even internationally, and have the advantages of flexible storage of sugarcane pollen, reliable technology, low cost, safe operation, good effect and the like.



21: 2025/06188. 22: 2025/07/21. 43: 2026/02/24
51: A44B; H01Q
71: EDWARDS-MILLGATE, Kelly Ann
72: EDWARDS-MILLGATE, Kelly Ann
33: US 31: 18/145,447 32: 2022-12-22
54: NEAR FIELD COMMUNICATION HOUSING STRUCTURE
00: -
An embodiment device includes a first housing formed of a first radio-transparent material and having an outer perimeter surface including a first outer perimeter portion and a second outer perimeter portion, the outer perimeter surface having one or more recesses, each of the one or more recesses extending from one of the first outer perimeter portion or the second outer perimeter portion into a body of the first housing, a second housing formed of a second radio-transparent material and secured to the first housing, a near field

communication (NFC) chip disposed between the first housing and the second housing, a link having a first end and a second end extending into the body of the first housing.

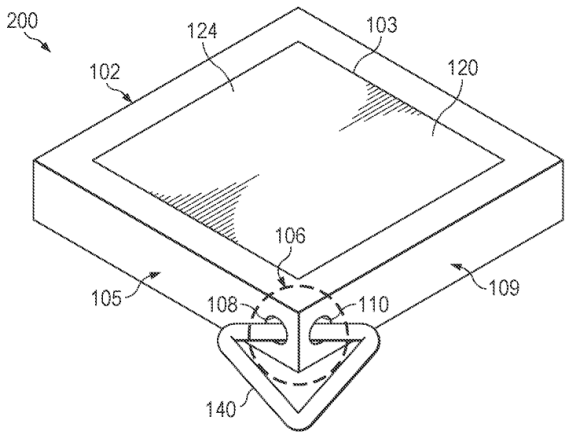
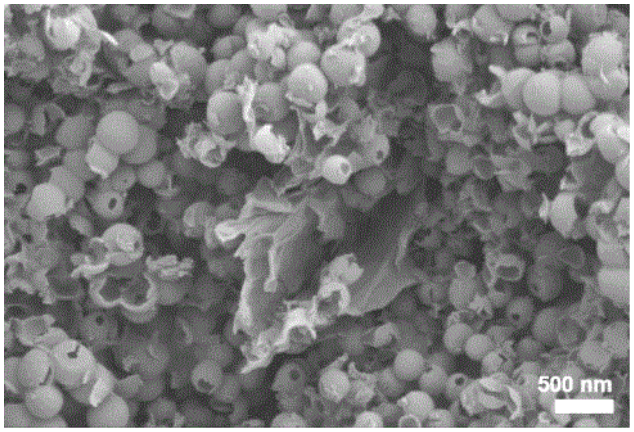
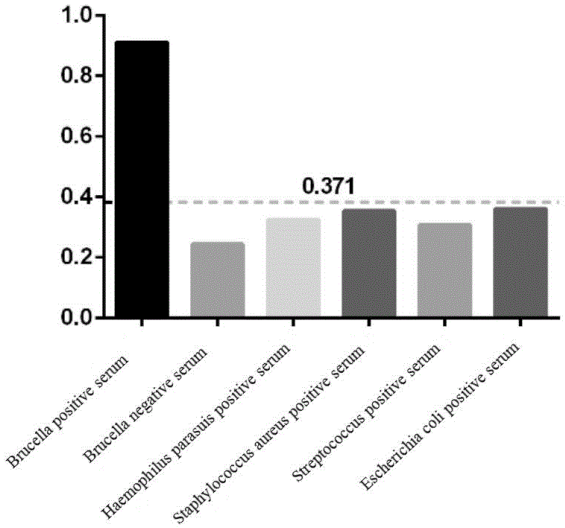


Figure 2A

21: 2025/06194. 22: 2025/07/22. 43: 2026/02/24
51: H01M
71: Taiyuan University of Technology
72: Xiaoming QIU, Xiaomin WANG, Chao MA, Huijun LI
33: CN 31: 2025108427535 32: 2025-06-23
54: PREPARATION AND APPLICATION OF HOLLOW CARBON/GRAPHENE COMPOSITE CARBON
00: -
The present disclosure belongs to the field of electrode material technology, and specifically discloses the preparation and application of a hollow carbon/graphene composite carbon. The preparation includes the following steps: a graphene oxide aqueous solution is prepared; the deionized water is taken, tetraethyl silicate is added, stirring, and the pH value is adjusted with ammonia water; dopamine hydrochloride is added to the tetraethyl silicate hydrolysate, stirred, centrifuged to remove the supernatant, and then vacuum dried; the graphene aqueous solution is taken, the silicon carbon precursor is added; after fully stirring, freezing, and then drying; it is placed in a tube test furnace, carbonized, washed three times with deionization, and then vacuum dried; it is immersed in hydrofluoric acid, wash with deionized water three times, and then vacuum dry. The present disclosure adopts the preparation and application of the hollow carbon/graphene composite carbon, the metal/non-metal co-doped multi-configuration three-dimensional carbon composite material prepared by this preparation method can solve the problem that the existing carbon-based sodium ion battery anode material generally has insufficient chemical kinetic characteristics.



21: 2025/06195. 22: 2025/07/22. 43: 2026/02/24
51: G01N
71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences
72: ZHANG Yuyu, WU Jiaqiang, YU Jiang, ZHAI Kexin, LIU Fei, LI Jianda, DING Luogang, CHEN Zhi, SUN Wenbo
54: ELISA DETECTION KIT FOR BRUCELLOSIS ANTIBODY AND APPLICATION THEREOF
00: -
The present invention discloses an ELISA detection kit for brucellosis antibody and an application thereof, belonging to the field of bioengineering technology. The invention takes OMP31 recombinant protein without signal peptide as coating antigen, optimizes parameters such as coating concentration of 2.5 microgram per milliliter, coating at 37°C for 2 h, serum dilution ratio of 1:200, sealing of 5 percent skimmed milk powder for 90 min, and dilution of secondary antibody of 1:8000, and establishes a multi-species (cattle/sheep/pig) unified detection system. The coincidence rate of clinical verification is 98.54 percent, the sensitivity is 800 times of serum dilution, and the coefficient of variation between batches is less than 10 percent. The invention solves the problems of low sensitivity and poor multi-species compatibility of pig serum detection in the prior art.

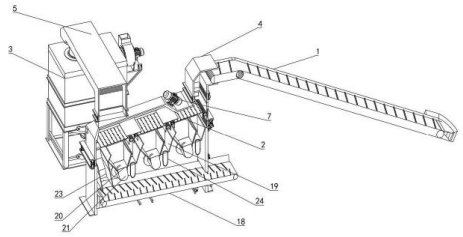


21: 2025/06196. 22: 2025/07/22. 43: 2026/02/24
51: B03B; B07B
71: Tangshan Smart Coal Preparation Technology Co., Ltd
72: Zhiyuan SHI, Dahu LI, Haoxuan YANG, Weiming GE, Qinghai ZHANG, Xinmin WANG, Yuhuan GUAN, Kuiwu GUO, Hao JIANG, Bing LI, Qiang LU, Ruichao HAO, Kuan YAN
33: CN 31: 202510852695.4 32: 2025-06-24

54: MULTISTAGE DUAL-FLOW MINERAL SEPARATOR

00: -

The present invention discloses a multistage dual-flow mineral separator, comprising a feeding assembly, a separation assembly, a dust removal assembly and a machine frame, wherein a top end of the machine frame is provided with the feeding assembly; the separation assembly is arranged inside the machine frame, the separation assembly comprises an inclined multistage separation bed arranged in a step-like shape, and the multistage separation bed comprises at least two stages. The present invention, by arranging a heavy component collection port at the low side of the separation bed, enables continuous or intermittent discharge of heavy components through a discharge assembly, thereby reducing heavy components entering the next stage and fully utilizing the separation capability of the separation bed; the separation assembly may select a continuous discharge assembly, an intermittent discharge assembly, or a gravity discharge assembly.

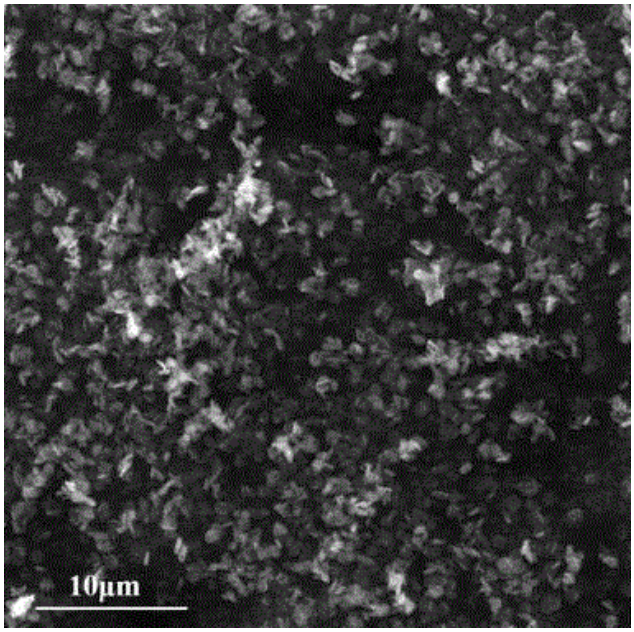


21: 2025/06197. 22: 2025/07/22. 43: 2026/02/24
51: B01J
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: ZHU Ziyi, LI Xue, LIU Feng, QIN Shaojie, ZHANG Yiyong

54: NOBLE METAL-FREE HIGH-ENTROPY CATALYST, PREPARATION METHOD, AND APPLICATION THEREOF

00: -

The present invention relates to a noble metal-free high-entropy catalyst, its preparation method and application. The preparation method of the noble metal-free high-entropy catalyst includes the following steps: weighing nitrates of Fe, Co, Ni, Cr, and Cu in a molar ratio of 40:15:15:15:15, and dispersing them in an ethanol solution; adding carbon powder to the above solution, and evaporating moisture through a solvothermal reaction method to obtain precursor powder; wrapping the precursor powder with graphite paper and then performing Joule heat treatment at a heating temperature of 1400-1650 degrees Celsius; washing the obtained material with ethanol more than twice, and drying it under a protective atmosphere to obtain the high-entropy catalyst. The present invention realizes the uniform distribution of multiple metal elements, effectively regulates the synergistic effect between metals, thereby significantly improving the catalytic activity and stability of the material.

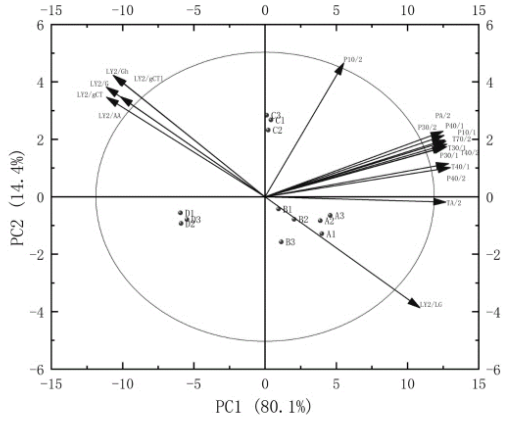


21: 2025/06198. 22: 2025/07/22. 43: 2026/02/24
51: A23L
71: Sichuan Tourism University
72: XU Pei, ZHANG Hao, TANG Yingming, LI Xiang, HOU Zhiyong, LI Yuanle, DU Yichen, GONG Lukun, ZHANG Yin

54: METHOD FOR DETERMINING THE PROCESSING METHOD OF HULAZI CHILI BASED ON DIFFERENTIAL VOLATILE COMPONENTS IN HEADSPACE-GC-IMS

00: -

The present invention provides a method for determining the processing method of Hulazi chili based on differential volatile components in headspace-gas chromatography-ion mobility spectrometry (GC-IMS), belonging to the field of food processing technology. The method comprises: subjecting dried Erjingtiao chili peppers to four processing methods, including Traditional Ash Fire Roasting (TAFR), Slow Frying on Low Heat (SFLH), Lightly Oil Frying (LOF), and Oven Baking (OB); cooling and grinding the processed samples into Hulazi chili; placing the samples into headspace vials for incubation and injection; detecting by GC-IMS to obtain fingerprint spectra; analyzing the spectra to identify characteristic volatile components; and determining the processing method based on the peak intensities of the characteristic volatile components. The method enables rapid, non-destructive determination without complex sample pretreatment, is simple, environmentally friendly, low-cost, and provides intuitive results. It is suitable for batch processing to quickly, objectively, and accurately determine the processing method of Hulazi chili, and may provide critical data support for quality control during production.



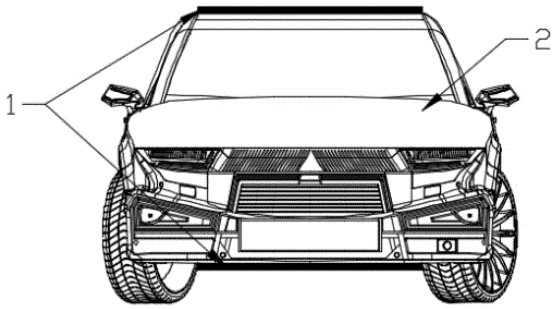
21: 2025/06199. 22: 2025/07/22. 43: 2026/02/24
51: B60L
71: Shengping Cao
72: Shengping Cao
33: CN 31: 202510867755X 32: 2025-06-26

54: WIND RESISTANCE BRAKING POWER GENERATION SYSTEM APPLIED TO VEHICLES

00: -

The invention provides a wind resistance braking power generation system applied to vehicles, comprising wind resistance blades, wherein a plurality of wind resistance blades are provided and embedded in the top and bottom of a vehicle body; when the wind resistance blades extend to the outside of the vehicle, the wind resistance during the vehicle driving is received to assist braking; a power generation mechanism is provided on the wind resistance blades to generate electricity using the kinetic energy of the wind resistance. When the wind resistance blades of the invention are extended, the kinetic energy of the wind resistance can be effectively used to assist braking and slow down the speed of the vehicle. The invention combines a generator, a rectifier, a controller, a battery pack, and a blade assembly. When the wind resistance blades are extended out of the vehicle body, the oncoming wind energy is converted into electrical energy to supplement the additional power supply for the vehicle. This is particularly suitable for the increasingly popular electric vehicles, so that the

newly generated electrical energy can directly provide additional power for the vehicle.

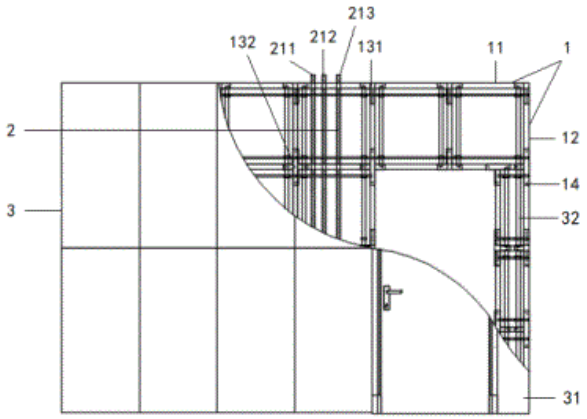


21: 2025/06200. 22: 2025/07/22. 43: 2026/02/24
51: E04B
71: Heilongjiang Institute of Construction Technology
72: Yanli YIN, Yanqing TANG, Jingyang YU, Huan ZHANG, Xiaosong LI, Yang ZHOU, Fan YANG
33: CN 31: 2025109227907 32: 2025-07-04

54: MODULAR PARTITION WALL SYSTEM WITH MORTISE-AND-TENON TELESCOPIC KEEL AND CONCEALED PIPE INTEGRATION

00: -

A modular partition wall system with mortise-and-tenon telescopic keel and concealed pipe integration is disclosed, and relates to the field of manufacturing and mounting of intelligent prefabricated partition walls, including: a mortise-and-tenon telescopic keel, a BIM-MEP concealed pipe assembly, and a grooved panel; the mortise-and-tenon telescopic keel is configured to bear loads and form a wall frame; the BIM-MEP concealed pipe assembly is embedded inside the mortise-and-tenon telescopic keel for concealed mounting and intelligent operation and maintenance of electromechanical pipelines; the grooved panel is located at the outermost layer of the system, mounted on the mortise-and-tenon telescopic keel, and configured to protect the mortise-and-tenon telescopic keel and the BIM-MEP concealed pipe assembly. The invention not only achieves efficient assembly, intelligent integration and precise construction, but also aesthetics and is easy to overhaul by constructing a quantitative adjustable framework of mortise-and-tenon telescopic keel and Building Information Modeling-Mechanical Electrical Plumbing collaborative concealed pipe technology.

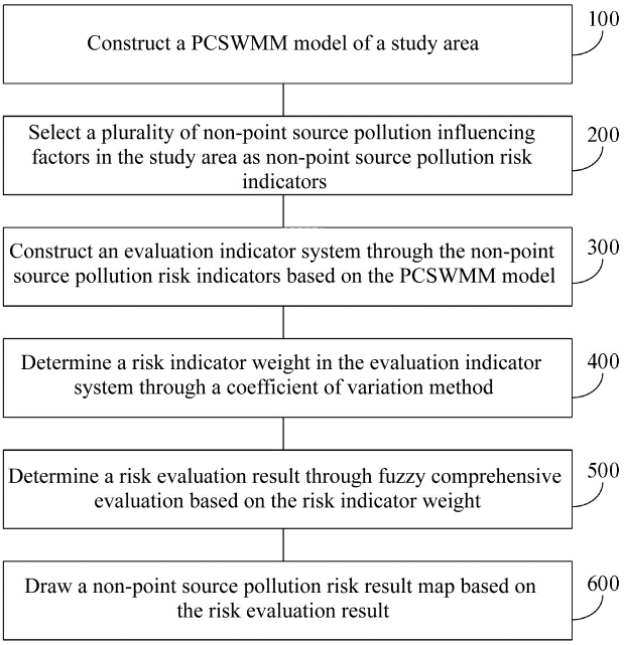


21: 2025/06201. 22: 2025/07/22. 43: 2026/02/24
51: G06Q
71: Beijing Normal University
72: Li Chunhui, Hu Jing, Yi Yujun, Wang Xuan, Liu Qiang
33: CN 31: 2025108547950 32: 2025-06-24

54: METHOD FOR IDENTIFYING CRITICAL RISK ZONE OF NON-POINT SOURCE POLLUTION IN URBAN AREA BASED ON PCSWMM MODEL

00: -

The present disclosure provides a method for identifying a critical risk zone of non-point source pollution in an urban area based on a PCSWMM model. The method includes: constructing the PCSWMM model of a study area; selecting a plurality of non-point source pollution influencing factors in the study area as non-point source pollution risk indicators; constructing an evaluation indicator system through the non-point source pollution risk indicators based on the PCSWMM model; determining a risk indicator weight in the evaluation indicator system through a coefficient of variation method; determining a risk evaluation result through fuzzy comprehensive evaluation based on the risk indicator weight; and drawing a non-point source pollution risk result map according to the risk evaluation result. By combining the PCSWMM model with multi-factor statistical analysis, this method solves the problems of incomplete consideration of influencing factors, strong data dependence and high computational cost, and improves the accuracy of identifying the critical area of non-point source pollution.

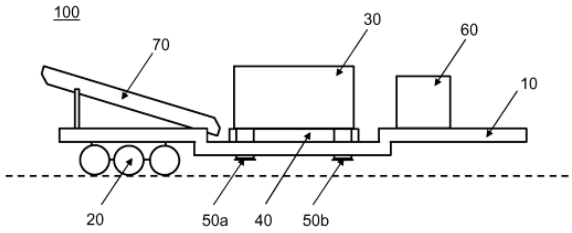


21: 2025/06202. 22: 2025/07/22. 43: 2026/02/09
51: B02C; B07B; B60P
71: METSO FINLAND OY
72: SALO, Lasse, POHJA, Jarno
33: FI 31: 20235101 32: 2023-02-03

54: MINERAL MATERIAL PROCESSING PLANT WITH MULTIFUNCTIONAL SUPPORT LEGS

00: -

A frame arrangement for a mineral material processing plant (100), comprising a transport frame (10) comprising a transport base (20); an actuator frame (40) detachably attached to the transport frame and configured to support an actuator (30) comprising a mineral material crusher or a screen; a set of first support legs, said set of first support legs comprising at least two first support legs (50a, 50b); wherein each first support leg is attached to the actuator frame (40); and each first support leg comprises a hydraulically extendable leg configured to be extended from a transport position to a first position and to a second position; wherein the first position comprises a position in which the transport base (20) is raised from the ground; and the second position comprises a position in which the actuator base (40) is detached from the transport frame (10) and raised above it.

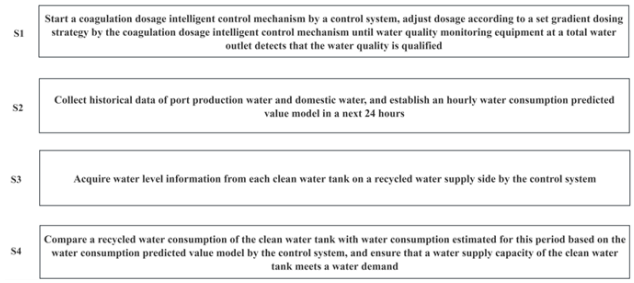


21: 2025/06204. 22: 2025/07/22. 43: 2026/02/24
51: G05D
71: TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING.M.O.T.
72: JIA, Jianna, PENG, Shitao, ZHANG, Kailei, QIU, Ning, ZHENG, Peng, MA, Guoqiang, DONG, Chunming

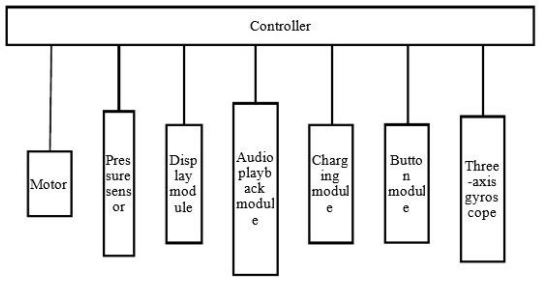
54: METHOD FOR ONLINE MONITORING AND INTELLIGENT CONTROL OF PORT WATER SYSTEM

00: -

Disclosed is a method for online monitoring and intelligent control of a port water system. A control system starts a coagulation dosage intelligent control mechanism, the coagulation dosage intelligent control mechanism adjusts dosage according to a set gradient dosing strategy until water quality monitoring equipment at a total water outlet detects that water quality is qualified. The historical data of port production water and domestic water are collected, and an hourly water consumption prediction model for the next 24 hours is established. The control system acquires water level information from each clean water tank on a water supply side of recycled water. The control system compares recycled water consumption of the clean water tank with the water consumption predicted in the period according to the water consumption prediction model, ensuring that a water supply capacity of the clean water tank can meet the water demand.



21: 2025/06205. 22: 2025/07/22. 43: 2026/02/24
51: A61C
71: DENCARE (CHONGQING) ORAL CARE CO., LTD.
72: Cen LI, Yang ZHOU, Min ZHANG, Qiang LI, Quanfu DENG, Rong DENG, Xiaoxiao ZHANG, Dan ZHENG
33: CN 31: 202410733171.9 32: 2024-06-06
54: ELECTRIC TOOTHBRUSH WITH AUDIO-VIDEO INTERACTION FUNCTION
00: -
The present invention relates to an electric toothbrush with an audio-video interaction function, including: a controller, a motor, a pressure sensor, a display module, an audio playback module, a charging module, a button, and a three-axis gyroscope, where during execution of a tooth-brushing task, the controller performs operations of: setting four tooth-brushing duration thresholds, where three are used for switching tooth-brushing positions, and one is used for indicating an end of tooth-brushing, and when a current tooth-brushing duration reaches each tooth-brushing duration threshold, sending corresponding voice reminder data to the audio playback module; during execution of the tooth-brushing task, monitoring pressure generated between a toothbrush and teeth in real time via the pressure sensor, and when the pressure exceeds a pressure threshold, performing an overpressure reminder; and during the tooth-brushing, monitoring a tooth-brushing position in real time via the three-axis gyroscope, and when a monitored tooth-brushing position does not cover all tooth-brushing positions, sending voice reminder data of a corresponding position not being brushed to the audio playback module. The present invention provides a more intelligent and human-centered user experience.

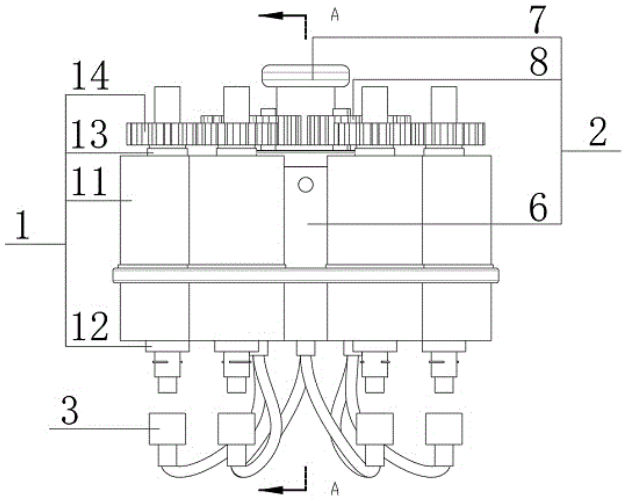


21: 2025/06218. 22: 2025/07/22. 43: 2026/02/09
51: A61K; A61P
71: FLOATING KNIGHT BIOTECH PTE. LTD.
72: MIRSHAFIEY, Abbas, LALANDER, Jacob
33: EP 31: 22216778.5 32: 2022-12-27
54: MANNURONATE, GULURONATE AND GULUMANNURONATE TOPICAL GEL OR CREAM AND METHOD FOR ITS PREPARATION
00: -
The present invention relates to gel or cream formulations for topical use, the formulation comprising ß-D-mannuronic acid or a-L-guluronic acid or a mixture of ß-D-mannuronic acid and a-L-guluronic acid, oligomers thereof, or pharmaceutically acceptable salts thereof, wherein the total amount of ß-D- mannuronic acid or a-L-guluronic acid or the mixture of ß-D-mannuronic acid and a-L-guluronic acid, oligomers thereof, or pharmaceutically acceptable salts thereof is 0.5 g to 40 g based on 100 g gel or cream formulation, and further comprising caffeic acid. Additionally, the invention relates to gel or cream formulations for topical use in a method for treating inflammation and/or any inflammatory reaction, and/or pain, and methods for preparing the gel or cream formulations.

21: 2025/06219. 22: 2025/07/22. 43: 2026/02/09
51: A61K; A61P
71: FLOATING KNIGHT BIOTECH PTE. LTD.
72: MIRSHAFIEY, Abbas, LALANDER, Jacob
33: EP 31: 22216779.3 32: 2022-12-27
54: MANNURONATE, GULURONATE AND GULUMANNURONATE TABLET, CAPSULE OR AMPOULE FORMULATION AND METHOD FOR ITS PREPARATION
00: -
The present invention relates to tablet, capsule and ampoule formulations for oral and/or injectable use, the formulation comprising ß-D-mannuronic acid or a-L-guluronic acid or a mixture of ß-D- mannuronic acid and a-L-guluronic acid, oligomers thereof, or

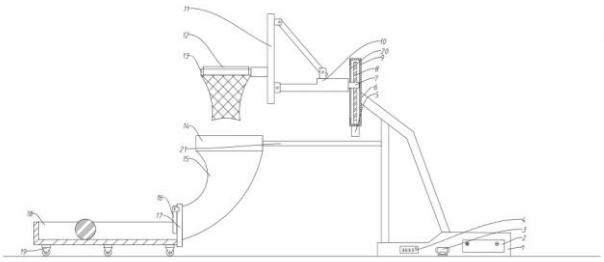
pharmaceutically acceptable salts thereof, wherein the total amount of ß-D-mannuronic acid or a-L-guluronic acid, or their mixture, oligomers thereof, or pharmaceutically acceptable salts thereof is 10 wt.-% to 99.999 wt.-% based on the total weight of the tablet or capsule, or 20 wt.-% to 60 wt.-% based on the total weight of the ampoule formulation, wherein the tablet, capsule or ampoule formulation further comprises caffeic acid or a salt thereof, for example in powder form, preferably in an amount of 0.001 wt.-% to 1 wt.-%, more preferably 0.01 wt.-% to 0.5 wt.-%, more preferably 0.05 wt.-% to 0.3 wt.-%, based on the total weight of the tablet, capsule or ampoule formulation. Additionally, the invention relates to tablet, capsule and ampoule formulations for oral and/or injectable use, preferably as a supplement or medication, in a method for treating neurodegeneration, inflammatory reactions, pain, cancer, aging, diabetes, and/or cadiopathy, and methods for preparing such formulations.

21: 2025/06231. 22: 2025/07/23. 43: 2026/02/24
51: A61M
71: Tianjin 4th Central Hospital
72: Ruitao Wang, Zhiling Jia, Kai Chen
33: CN 31: 2025103254031 32: 2025-03-19
54: ONCOLOGY DRUG DELIVERY DEVICE
00: -
An oncology drug delivery device includes powder injection fusion devices, a mixed liquid pushing cavity and an insertion connection component. Through the connection between the proposed multiple powder injection fusion devices and the mixed liquid pushing cavity, the invention realizes simultaneous dissolution of multiple powder injection powders. Moreover, through the effective pulling of the pull component in the fusion cavity component, a negative pressure environment in the fusion cavity tube is created, which increases the contact area between the powder injection powder and the mixed liquid, improves the fusion effect of the powder injection powder and the mixed liquid, shortens the time required for fusion, and enhances the fusion efficiency of the powder injection powder and the mixed liquid.

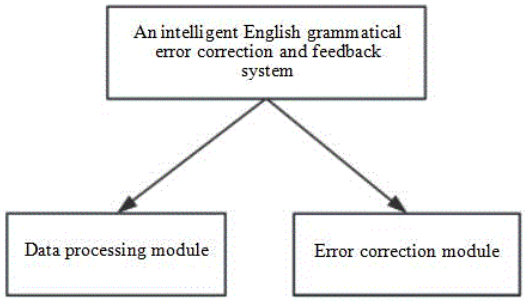


21: 2025/06232. 22: 2025/07/23. 43: 2026/02/24
51: E04F
71: Guangdong Carpoly Science and Technology Material Co., Ltd., Carpoly Chemical Group Co., Ltd.
72: Zhengwei Cai, Hengzhi Hu, Zhaoqiang He
33: CN 31: 2025101102320 32: 2025-01-23
54: ANTI-SCRATCH AND NON-BLACKENING WATER-BASED LATEX PAINT AND PREPARATION METHOD THEREOF
00: -
The present disclosure provides an anti-scratch and non-blackening water-based latex paint and a preparation method thereof, which pertain to the technical field of coatings. The anti-scratch and non-blackening water-based latex paint includes the following raw materials in parts by weight: 10 parts to 30 parts of water, 20 parts to 60 parts of an emulsion, 16 parts to 24 parts of a hard filler powder, 1 part to 5 parts of a soft filler powder, and 2.0 parts to 12 parts of an additive; where the emulsion is a large-particle-size acrylic emulsion, with a polymer particle size greater than 1,200 nm; the hard filler powder is a powder material with a Mohs hardness greater than or equal to 6; and the soft filler powder is a powder material with a Mohs hardness less than 6. Based on the prior art, this technique addresses the limitation of conventional techniques that restrict addition of the soft filler powder. By adopting the large-particle-size acrylic emulsion, the force directly acting on the filler powders is significantly reduced. This ensures that a paint film formed with the soft filler powder resists blackening under mechanical stress, thereby endowing the prepared latex paint with outstanding anti-scratch and non-blackening properties.

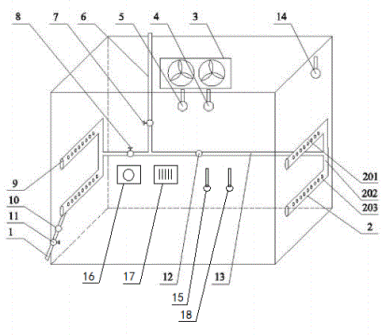
21: 2025/06233. 22: 2025/07/23. 43: 2026/02/24
51: A63B
71: Shanghai University of Political Science and Law
72: YUE Ming
54: BASKETBALL HOOP DEVICE FOR BASKETBALL SHOOTING TRAINING
00: -
The invention belongs to the technical field of basketball hoop devices, and particularly relates to a basketball hoop device for basketball shooting training. The device comprises a base, wherein the top end of the base is fixedly connected with a vertical column, the top end of the vertical column is provided with a lifting mechanism, the execution end of the lifting mechanism is fixedly connected with a support seat, the support seat is fixedly connected with a backboard, the backboard is vertically arranged, one side of the backboard, which is far away from the support seat, is fixedly connected with a hoop, the inner wall of the hoop is provided with a hoop assembly, and the hoop assembly is used for controlling the inner diameter size of the hoop, and the position right below the hoop is provided with a collection mechanism, and the collection mechanism is used for basketballs passing through the hoop. The invention can be used by trainees of different age groups, can improve the difficulty of shooting training, and saves the time for picking up balls.



21: 2025/06234. 22: 2025/07/23. 43: 2026/02/24
51: G06F
71: Rongjun Zhang
72: Rongjun Zhang
54: INTELLIGENT ENGLISH GRAMMATICAL ERROR CORRECTION AND FEEDBACK SYSTEM
00: -
An intelligent English grammatical error correction and feedback system includes a data processing module and an error correction module; the system establishes a knowledge framework by comprehensively constructing a corpus and a rule base, which can help learners deeply understand the applicable contexts of grammar and consolidate the foundation of grammar learning.

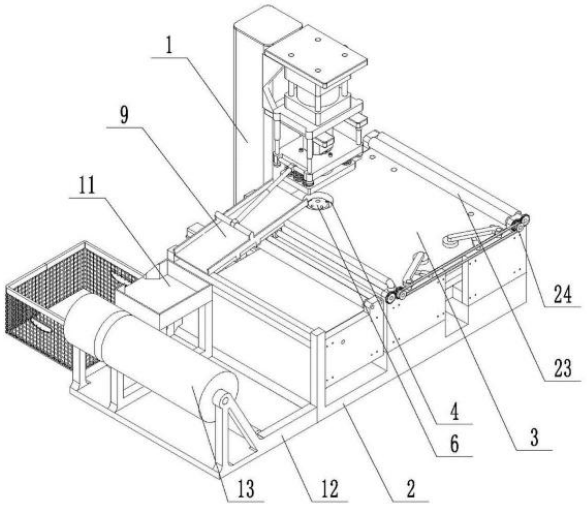


21: 2025/06235. 22: 2025/07/23. 43: 2026/02/24
51: F24F
71: Shanxi Agricultural University, Shanxi Yuhai Fruit Industry Co., Ltd.
72: FENG, Zhihong, ZHANG, Xinxian, ZHAO, Lian, ZHAO, Hailiang
54: INTELLIGENT ENVIRONMENT REGULATION AND CONTROL SYSTEM USED IN FRUIT AND VEGETABLE FRESH-KEEPING STOREHOUSE
00: -
An intelligent environment regulation and control system used in a fruit and vegetable fresh-keeping storehouse includes an air cooler and a diversion pipeline, where the diversion pipeline includes a bent pipe I and a bent pipe II, a straight pipeline I is connected between the bent pipe I and the bent pipe II, a first electromagnetic valve and a pipeline fan I are arranged on the straight pipeline I, a straight pipeline II is arranged between the first electromagnetic valve and the pipeline fan I, a second electromagnetic valve is arranged on the straight pipeline II, the straight pipeline II is in communication with the outside, a straight pipeline III is connected to a pipe end of the bent pipe I, a pipeline fan II and a third electromagnetic valve are arranged on the straight pipeline III, and the straight pipeline III is in communication with the outside.



21: 2025/06236. 22: 2025/07/23. 43: 2026/02/24
51: B21D
71: Shandong Zhongdao Fire Equipment Co., Ltd.
72: Zhen Li
33: CN 31: 202510629589.X 32: 2025-05-16
54: A FIRE EXTINGUISHER HEAD STAMPING FORMING MACHINE
00: -

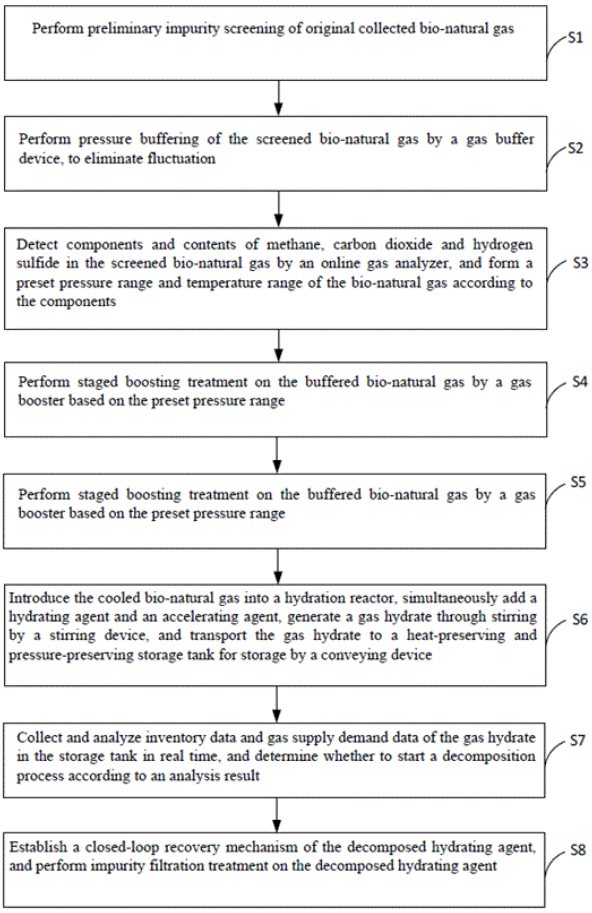
The invention discloses a fire extinguisher head stamping forming machine, which relates to the field of stamping equipment. It aims to solve the problems of difficult demolding of stamped parts during the stamping process and poor coordination between the stamping equipment and the receiving device, which severely restrict production efficiency and factory capacity improvement. The machine includes a frame fixedly connected to a bearing rack. A bearing plate is fixedly connected on the bearing rack, and a stamping hole is arranged on the bearing plate. An electromagnetic punch is arranged above the stamping hole, and a mold sleeve is fixedly connected inside the stamping hole. The mold sleeve is fixedly connected to a bearing rod, which is equipped with a demolding component. A blanking plate is arranged on the side of the stamping hole, and a discharge chute is arranged below the blanking plate. A collection box, cooperating with the blanking plate, is arranged on the left side of the discharge chute. The collection box is fixedly connected to a receiving rack, and a receiving roller is rotatably connected to the receiving rack.The advantage lies in: the cooperation between the demolding component and the air vent effectively avoids the vacuum adsorption effect caused during stamping, thereby reducing the difficulty of demolding and preventing material jamming.



21: 2025/06237. 22: 2025/07/23. 43: 2026/02/24
51: F24F
71: Lanzhou University of Technology
72: Xuemin Zhang, Huan Sun, Jiacheng Liu, Xinying Lan, Jinping Li, Yingmei Wang, Yetao Zhang
33: CN 31: 2025106973239 32: 2025-05-28
54: INTELLIGENT REGULATION, STORAGE AND UTILIZATION METHOD FOR BIO-NATURAL GAS
00: -

The present invention relates to the field of bio-natural gas energy utilization, and provides an intelligent regulation, storage and utilization method for bio-natural gas, including: performing preliminary impurity screening of original bio-natural gas, performing pressure buffering by a gas buffer device, detecting components, presetting pressure and temperature ranges, mixing with a hydrating agent and an accelerating agent to generate a gas hydrate for storage after staged boosting treatment and sectional cooling treatment, determining whether to start a decomposition process according to inventory and demand data, and establishing a closed-loop recovery mechanism of the hydrating agent. In the present invention, intelligent management of the whole process from purification and storage to gas supply of bio-natural gas is realized, the hydration reaction efficiency and the storage system stability are improved, the continuity and flexibility of gas supply are guaranteed, and meanwhile, operation cost and resource consumption are reduced, through pretreatment means such as impurity screening, pressure buffering, staged boosting and sectional cooling, and

in combination with dynamic regulation of decomposition processes based on real-time data and a recycling mechanism of the hydrating agent.

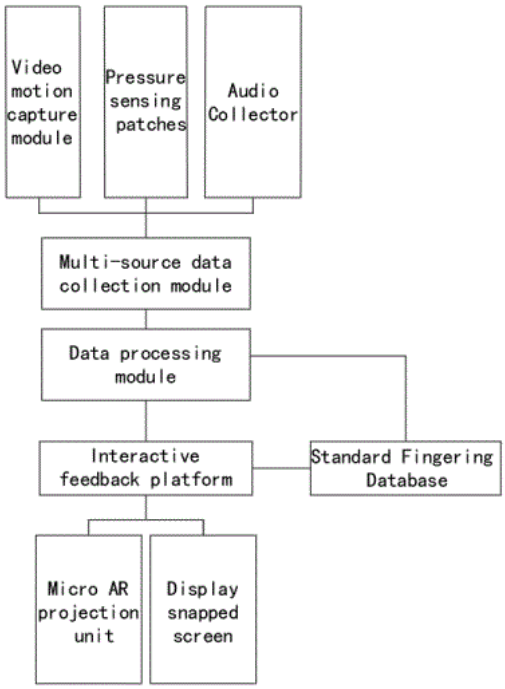


21: 2025/06238. 22: 2025/07/23. 43: 2026/02/24
51: G09B
71: Xinyu University
72: Meiqing Yuan

54: A FINGERING AUXILIARY TRAINING SYSTEM AND METHOD FOR PIPA PERFORMANCE EDUCATION

00: -

The invention discloses a fingering auxiliary training system for pipa performance education, comprising a multi-source data acquisition module, a data processing module connected to the multi-source data acquisition module, and an interactive feedback platform. The multi-source data acquisition module is configured to collect the left-hand string-pressing movements, right-hand plucking movements, and accompanying audio data of the performer. The interactive feedback platform further integrates a standard fingering database, which is connected to a teacher port for modifying the data therein. The data processing module dynamically compares user data with the standard fingering database. Compared to the prior art, the advantages of the invention lie in providing a convenient-to-operate fingering auxiliary training system and method for pipa performance education, which enables multi-source data acquisition and comparison, as well as real-time feedback and reminders.



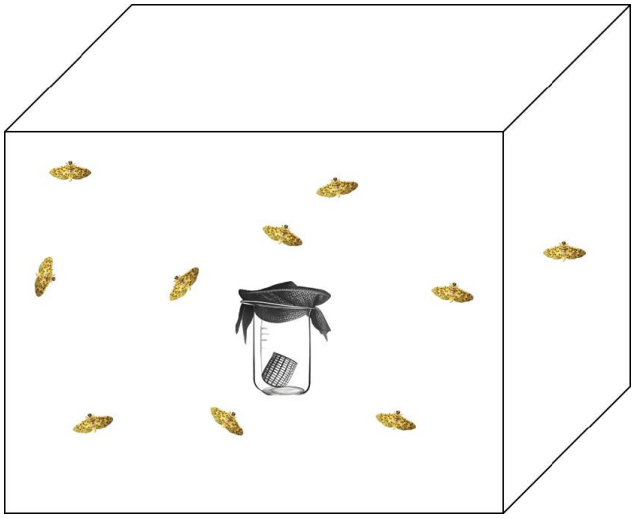
21: 2025/06241. 22: 2025/07/23. 43: 2026/02/24
51: A01K
71: SHANDONG INSTITUTE OF POMOLOGY
72: Ganyu, ZHANG, Ruihong, SUN, Yong, ZHANG, Yanan, MA, Haibin, WU, Rui, GAO, Sumin, QI

54: METHOD FOR COLLECTING EGGS OF CONOGETHES PUNCTIFERALIS AND RAPIDLY IDENTIFYING AND COUNTING OVIPOSITION QUANTITY

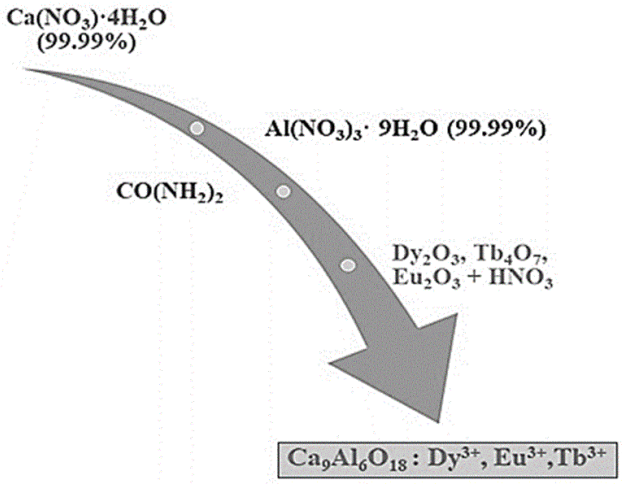
00: -

The present invention relates to the field of biotechnology, and particularly relates to a method for collecting eggs of Conogethes punctiferalis and rapidly identifying and counting oviposition quantity. The method includes the following steps: (1) placing sugar solution-soaked cotton in a rearing cage, followed by introducing emerged adults of Conogethes punctiferalis; and (2) placing a host plant into a glass container on the second day,

covering an opening of the glass container with a black nylon mesh cloth, securing the nylon mesh cloth over the opening with a rubber band, and placing the glass container into the rearing cage. The method of the present invention is not only simple and low-cost, but also enables rapid visual identification and counting of eggs on the oviposition substrate, thereby facilitating investigations into the oviposition preference of Conogethes punctiferalis induced by different host plant volatiles.



21: 2025/06242. 22: 2025/07/23. 43: 2026/02/24
51: C09K
71: YERPUDE, Atul N., NANDANWAR, Chandrahasya M., BANSOD, Amit R., ZAKDE, Kranti R., DHOBLE, Sanjay J.
72: YERPUDE, Atul N., NANDANWAR, Chandrahasya M., BANSOD, Amit R., ZAKDE, Kranti R., DHOBLE, Sanjay J.
54: A SYNTHESIS PROCESS OF DY, EU, TB ACTIVATED CA9AL6O18 PHOSPHOR FOR LIGHT EMITTING DIODE
00: -
The present invention is related to a synthesis process of Dy, Eu, Tb activated Ca9Al6O18 phosphor for light emitting diode. The invention presents a luminescent phosphor material designed for use in light-emitting diodes (LEDs). This phosphor, comprised of a Ca9Al6O18 host matrix doped with rare earth ions, namely Dy3+, Eu3+, and Tb3+, has been engineered to overcome the limitations of traditional LED technology. The primary objectives of this invention are to enhance color rendering, achieve superior thermal stability, and develop efficient red phosphors for use in white LED applications. The phosphor's emission characteristics are carefully tailored through the precise adjustment of the concentrations of Dy3+, Eu3+, and Tb3+ ions. The result is a phosphor material that produces high-quality white light emission. This innovative technology not only contributes to improved LED performance but also advances the field of lighting technology by offering a promising solution for efficient, color-accurate, and thermally stable LED illumination.



21: 2025/06243. 22: 2025/07/23. 43: 2026/02/24
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, SAKHARE, Sachin R., MALI, Manisha, BOGIRI, Nagaraju, CHOUGULE, Aditya Manoj, LAD, Kshitij, MAHAJAN, Bhavesh Prakash, NORE, Ammar Ashfaque
54: A PREDICTIVE ANALYTICS SYSTEM FOR CROP SELECTION AND YIELD OPTIMIZATION IN AGRICULTURE
00: -
The present invention is related to a predictive analytics system for crop selection and yield optimization in agriculture. This system optimizes crop recommendation (selection) and predict yield by the use of machine learning. The system correctly predicts based on environmental and historical data and integrates a user-friendly interface with fertilizers and pesticide recommendations. The invention improves decision-making and agricultural productivity through generation of insights from data.

21: 2025/06244. 22: 2025/07/23. 43: 2026/02/24

51: G06F
71: CHATI, Satyajit D., NARKHEDKAR, Pragati D., DHOBLE, Satvik K., CHOPRA, Vibha, DHOBLE, Sanjay J.
72: CHATI, Satyajit D., NARKHEDKAR, Pragati D., DHOBLE, Satvik K., CHOPRA, Vibha, DHOBLE, Sanjay J.

54: A METHOD FOR OPTIMIZING THE SELECTION PROCESS OF DOMESTIC LIGHTING DEVICES

00: -

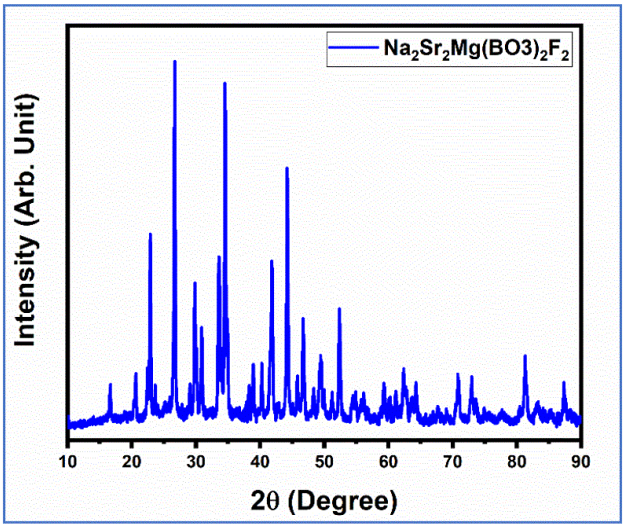
The present invention is related to a method for optimizing the selection process of domestic lighting devices. a comprehensive method on the selection process of domestic lighting devices by society, with a focus on current LED marketing trends. the evolution of artificial lighting technologies, emphasizing the advantages of LED lighting in terms of energy efficiency, longevity, and environmental impact. The invention explores various aspects influencing lighting choices, including functional requirements, aesthetic preferences, psychological implications, and financial considerations, it addresses the sources of lighting available for domestic use, societal awareness regarding energy-efficient technologies, and parameters used to measure lighting efficiency. The invention underscores the importance of eco-friendliness, availability, and affordability in lighting solutions, while also considering the influence of marketing strategies on consumer decisions, it offers insights into the multifaceted factors shaping society's adoption of lighting devices, highlighting the significance of LED technology in meeting diverse needs and sustainability goals.

21: 2025/06245. 22: 2025/07/23. 43: 2026/02/24
51: C09K
71: GAIKWAD, Amruta, PARAUHA, Yatish R., DESHMUKH, Radhika G., DABRE, Kamlesh V., DHOBLE, Sanjay J.
72: GAIKWAD, Amruta, PARAUHA, Yatish R., DESHMUKH, Radhika G., DABRE, Kamlesh V., DHOBLE, Sanjay J.

54: SOLID-STATE SYNTHESIS OF NOVEL MULTI-PHASE BLUE-EMITTING PHOSPHOR FOR LIGHTING APPLICATIONS

00: -

This invention provides, solid state reaction synthesis method of multiphase phosphor having formula Na2Sr2Mg(BO3)2F2 doped with either Dyor Ce or combination thereof in different concentrations.The Dy concentration varied from 0.5 mol% to 3 mol% and Ce concentration varied from 1 mol% to 15 mol%. Na2Sr1.95-xMg (BO3) 2F2:Ce0.05,Dyx phosphor material under the excitation of 350 nm shows excellent narrow-band emission with maximum in blue region at 436 nm and small peak at 580 nm.

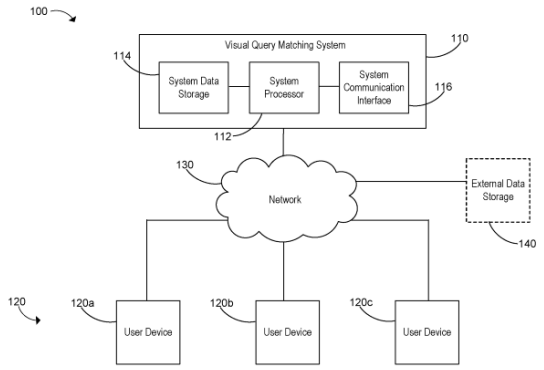


21: 2025/06266. 22: 2025/07/24. 43: 2026/02/24
51: G06F
71: TANAR CORP.
72: KASHYAP, Arun

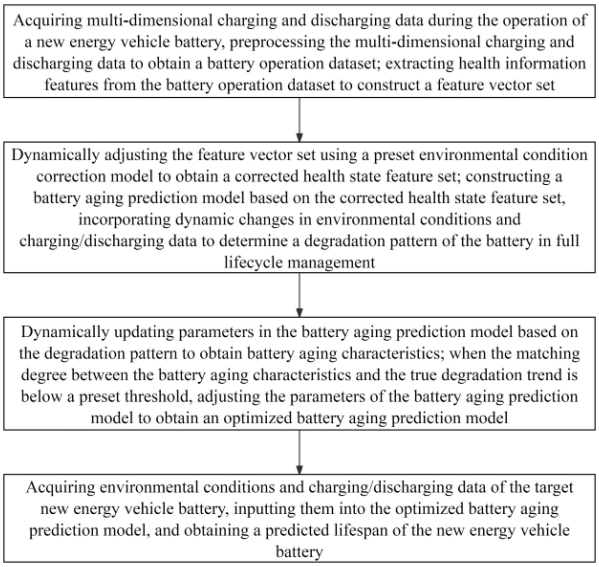
54: COMPUTER-IMPLEMENTED VISUAL QUERY MATCHING METHODS, AND SYSTEMS FOR IMPLEMENTING THEREOF

00: -

The embodiments described herein are directed to computer-implemented visual query matching methods and systems for implementing thereof. An example method includes storing first query data including queries associated with a first set of users, wherein each query includes selected criteria from multiple query criteria and first filter data for the multiple query criteria; storing second query data including metadata and queries associated with a second set of users, wherein each query includes selected criteria from the multiple query criteria and second filter data for the multi-ple query criteria; determining, by a processor, matching users from the second set of users for a first user of the first set of users; and providing, by the processor to the first user, a dashboard display including a matrix of the matching users.

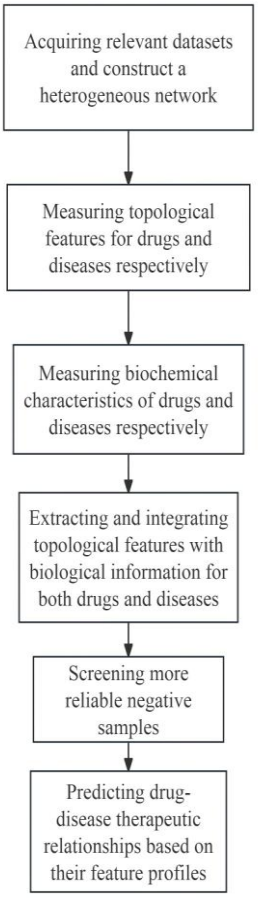


21: 2025/06267. 22: 2025/07/24. 43: 2026/02/24
51: G01R
71: XINYU UNIVERSITY
72: HUANG Yulong, LIU Zhe, LI Wei, ZHAI Diguo
54: METHOD AND SYSTEM FOR PREDICTING BATTERY LIFE OF NEW ENERGY VEHICLES BASED ON MACHINE LEARNING
00: -
The present invention discloses a method and a system for predicting the battery life of new energy vehicles based on machine learning, including: acquiring multi-dimensional charging and discharging data during battery operation, preprocessing the multi-dimensional data to obtain a battery operation dataset; when the matching degree between prediction results and actual degradation trends falls below a preset threshold, performing parameter adjustment on the prediction framework through iterative optimization methods to obtain an optimized prediction model; based on the optimized prediction model, generating corresponding lifecycle management strategy datasets according to the health state characteristics of the battery at different stages, and determining the remaining useful life range of the battery under specific operating conditions; through continuous monitoring and updating of the lifecycle management strategy datasets, combined with real-time environmental condition variations and charging/discharging data, dynamically adjusting the output results of the prediction model to obtain the final battery lifespan prediction. The invention effectively improves the accuracy and adaptability of battery lifespan prediction.



21: 2025/06269. 22: 2025/07/24. 43: 2026/02/24
51: G06F
71: XINYU UNIVERSITY
72: WU Guangsheng, HUANG Jianqiu, LI Shuliang, HUANG Yulong, LIU Kai
33: CN 31: 2024113374726 32: 2024-09-25
54: METHOD FOR DRUG REPOSITIONING BASED ON TOPOLOGICAL AND BIOCHEMICAL INFORMATION
00: -
The present application relates to a method for drug repositioning based on topological and biochemical information, including the following steps: acquiring datasets to construct a heterogeneous network; calculating and obtaining comprehensive topological information matrices and biochemical affinity matrices for both drugs and diseases, as well as drug feature matrices and disease feature matrices; extending meta-paths in the heterogeneous network to screen more reliable negative samples; and employing an ensemble learning classifier for prediction, outputting probabilities of therapeutic relationships between drug-disease pairs as prediction results. The invention overcomes limitations of existing drug repositioning technologies in insufficient utilization of heterogeneous network information by optimizing biochemical information from multiple perspectives to achieve more comprehensive feature representation; simultaneously addressing the lack of definitive negative samples for drug-disease associations, it thoroughly considers various interaction possibilities

between drugs and diseases to identify reliable negative samples, thereby improving prediction accuracy.

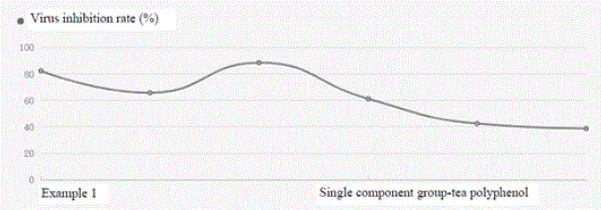


21: 2025/06270. 22: 2025/07/24. 43: 2026/02/24
51: A61K
71: Hebei Keyi Hospital Management Co., Ltd
72: Lei, Yongquan
33: CN 31: 2025110012624 32: 2025-07-21

54: TRADITIONAL CHINESE PATENT MEDICINE FOR PREVENTING COLD VIRUS AND PREPARATION METHOD FOR

00: -

The present invention provides a traditional Chinese patent medicine (TCPM) for preventing cold virus and a preparation method thereof, falling with the technical field of medicine. The TCPM includes chief herb of tea polyphenol, deputy herb of Rhizoma Zingiberis extract and assistant/guide herb of Radix Glycyrrhizae extract in parts by weight. The tea polyphenol is extracted from green tea, the Rhizoma Zingiberis extract and Radix Glycyrrhizae extract are prepared by biological extraction technology. The preparation method for the TCPM comprises the steps of: extracting tea polyphenol, a Rhizoma Zingiberis extract and a Radix Glycyrrhizae extract, and the three extracts are mixed in proportion to make different dosage forms including tablets, capsules and granules. In the present invention, based on the chief-deputy-assistant-guide theory in traditional Chinese medicine, the effect of synergistic prevention of cold virus is realized through the broad-spectrum antiviral effect of tea polyphenol, the immune enhancement effect of Rhizoma Zingiberis extract and the harmonizing effect of Radix Glycyrrhizae extract. TCPM has the characteristics of simple formula, remarkable curative effect and high safety, and is suitable for the prevention and early intervention of respiratory virus infection.



21: 2025/06272. 22: 2025/07/24. 43: 2026/02/09
51: A61K; A61P
71: BEIJING ZANGWEIXINKANG PHARMACEUTICAL R&D CO., LTD.
72: HU, Jun, LU, Licun, LIU, Feng, ZHANG, Yong, ZHANG, Xue
33: CN 31: 202310000643.5 32: 2023-01-03

54: TRACE ELEMENT COMPOSITION, PREPARATION METHOD THEREFOR, AND USE THEREOF

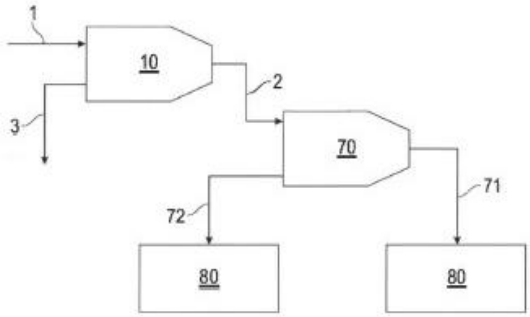
00: -

A stable trace element composition, a preparation method therefor, and the use thereof. The trace element composition comprises a main material and an auxiliary material; the main material consists of medicinal organic acid salts of ferrum element, zinc element, copper element and manganese element, medicinal salts of fluorine element, iodine element, selenium element and molybdenum element, and a medicinal organic acid salt or inorganic salt of chromium element; and the auxiliary material consists of water for injection and a pH regulator, the pH regulator being an inorganic acid. The pH value of the trace element composition is 2.0-3.5. For per 10 mL of the composition, the amount of each trace element satisfies (unit: μmol): 17.8-21.5 of ferrum,

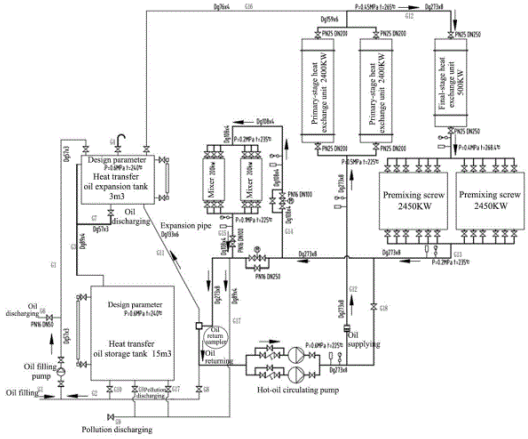
40-100 of zinc, 4.7-9.6 of copper, 1 of manganese, 25-60 of fluorine, 0.5-1.2 of iodine, 0.75-1.27 of selenium, 0.2-0.26 of molybdenum and 0.2-0.4 of chromium.



21: 2025/06274. 22: 2025/07/24. 43: 2026/02/24
51: B03B; C02F
71: Somerset International Finance Designated Activity Company
72: OSBORNE, David, GRAHAM, James, ORR, Geoff, Fisher, II, James C.
33: US 31: 63/482,185 32: 2023-01-30
54: METHODS AND SYSTEMS FOR CLASSIFICATION AND RECOVERY
00: -
Methods and systems for classification and recovery of certain solids from streams, such as liquid waste streams. Methods including classification with at least one solid bowl centrifuge, followed by a valorization procedure. The valorization procedure may be a flotation procedure, which may include a single-step or two-step procedure.



21: 2025/06288. 22: 2025/07/25. 43: 2026/02/24
51: C25C
71: Shaanxi Nonferrous Yulin New Materials Co., Ltd, Central South University
72: YANG, Guoping, TU, Fubing, SONG, Daqing, CHEN, Wei, LI, Hesong, WANG, Jianjun, ZHANG, Yongbi, CHEN, Xu, YANG, Shilin
54: CLOSED HEAT TRANSFER OIL SYSTEM FOR GREEN ANODE
00: -
Disclosed is a closed heat transfer oil system for green anode, relating to the technical field of heat transfer oil heating and including an oil filling system, a main circulating system, an overflow system, an exhaust system and an oil discharging system. The oil filling system includes an external oil source or a heat transfer oil storage tank for providing heat transfer oil, an oil filling pump and oil filling and discharging pipes G1, G2, and G8. The main circulating system includes a circulating pump, a heat exchange unit, heat-consuming equipment, an oil-gas separator, a y-type filter and pipeline valves arranged on connecting pipelines of the circulating pump, heat exchange unit, heat-consuming equipment, oil-gas separator and y-type filter. The closed heat transfer oil system for green anode avoids overheating and oxidative degradation of heat transfer oil, extends equipment maintenance cycles, and improves production efficiency.



21: 2025/06289. 22: 2025/07/25. 43: 2026/02/24
51: A61K
71: Shuming Zhou, Shenghua Zhou
72: Shuming Zhou, Shenghua Zhou
54: CHINESE MEDICINE COMPOSITION FOR BONE SETTING AND WOUND HEALING AND PREPARATION METHOD THEREOF
00: -
An Chinese medicine composition for bone setting and wound healing and a preparation method thereof, wherein the herbal composition comprises

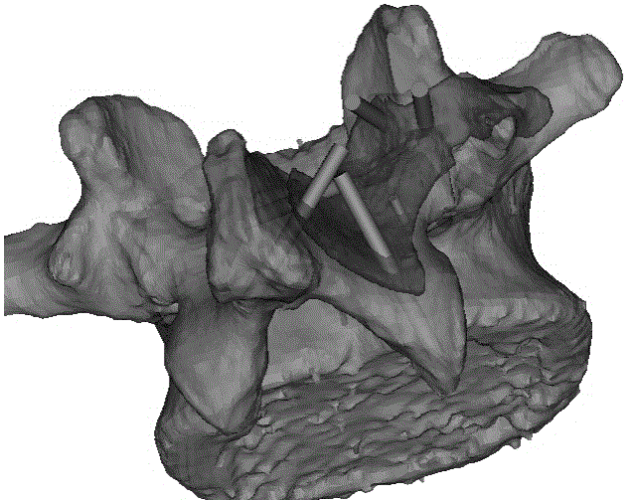
the following Chinese medicinal materials in parts by weight: 15 parts to 25 parts of prepared Sichuan aconite root, 15 parts to 25 parts of prepared kusnezoffii aconite root, 15 parts to 25 parts of dahurian angelica root, 10 parts to 20 parts of zedoary rhizome, 10 parts to 20 parts of ground beetle, 10 parts to 20 parts of astragalus root, 10 parts to 20 parts of amber, 10 parts to 20 parts of Yulingzi, 10 parts to 20 parts of dragon bone, 10 parts to 20 parts of oyster shell, 10 parts to 20 parts of frankincense, 10 parts to 20 parts of notopterygium root, 10 parts to 20 parts of costus root, 10 parts to 20 parts of achyranthes root, 10 parts to 20 parts of rhubarb root, 10 parts to 20 parts of coptis root, 10 parts to 20 parts of safflower, 10 parts to 20 parts of dragon's blood resin, 10 parts to 20 parts of native copper, 10 parts to 20 parts of polygonum multiflorum; based on soaking in 3-8 pounds of corn wine for 8-15 days before use, it can be taken orally. The traditional Chinese medicine composition for bone healing of the invention has the most significant effect on treating bone healing, and can also be used to treat diseases such as falls, joint pain, and trauma.

21: 2025/06290. 22: 2025/07/25. 43: 2026/02/24
51: A61B
71: Quzhou People's Hospital (Quzhou Central Hospital)
72: Yancheng Li, Lei Tong, Ziru Zhao, Lei Li, Enjie Wang

54: THREE-DIMENSIONAL PRINTED PERSONALIZED METAL FIXATION PLATE FOR REPAIRING LUMBAR SPONDYLOLYSIS AND PREPARATION METHOD THEREOF

00: -

The invention proposes a three-dimensional printed personalized metal fixation plate for repairing lumbar spondylolysis and a preparation method thereof. The preparation method comprises acquiring CT data of the patient’s lumbar spine before surgery; using Mimics software for three-dimensional reconstruction and virtually removing the broken ends of the lumbar spondylolysis to design a virtual template closely fitting the physiological anatomical structures at both ends of the lumbar spondylolysis; designing seven internally threaded screw holes at both ends of the virtual template, wherein the directions of the screws corresponding to the seven screw holes do not interfere with each other and are provided in a spatial fixation layout; exporting as a three-dimensional printing file, and manufacturing the metal fixation plate through three-dimensional printing. The metal fixation plate is of an integrated structure, and its surface closely fits the bone surface at the lumbar spondylolysis of the patient; threads in a fixed direction are provided in the screw holes on the metal fixation plate; the threads can be engaged with a guider for screwing in, and the screw holes are of hollow structure to facilitate drilling operations. The invention uses personalized design to make the metal fixation plate accurately adapt to the patient's spondylolysis condition, achieve three-dimensional fixation, help improve the stability and success rate of spondylolysis repair, reduce surgical trauma and complications, and provide a better solution for the treatment of spondylolysis.



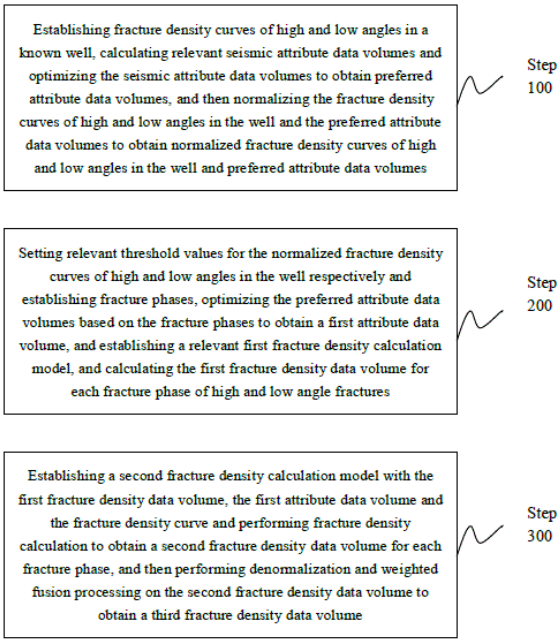
21: 2025/06291. 22: 2025/07/25. 43: 2026/02/25
51: E21B
71: Chongqing University of Science and Technology, Chengdu Caledon Oil & Gas Technology Development Co., Ltd
72: YU, Xinan, WANG, Meng, DUAN, Xingming, ZHANG, Chi, LIU, Jun, QI, Zhenqian
33: CN 31: 2024119105352 32: 2024-12-24

54: METHOD FOR CALCULATING FRACTURE DENSITY DATA VOLUME

00: -

The present invention provides a method, device, medium and program product for calculating fracture density data volume, the method comprising: obtaining normalized fracture density curves at high and low angles in a well and preferred attribute data

body; setting a threshold value for the fracture density curve and establishing a fracture phase, optimizing the preferred attribute data body based on the fracture phase to obtain a first attribute data body, establishing a first fracture density calculation model to calculate the first fracture density data body; establishing a second fracture density calculation model with the first fracture density data body, the first attribute data body and the fracture density curve and calculating the second fracture density data body of each fracture phase, and performing inverse normalization and weighted fusion processing on the second fracture density data body to obtain a third fracture density data body. The present invention can realize the calculation of fracture density values of different fracture development scales in the target layer section, improve the fracture prediction precision and accuracy of the target layer in the relevant exploration area, thereby reducing drilling risks and improving the economic benefits of oil and gas exploration.

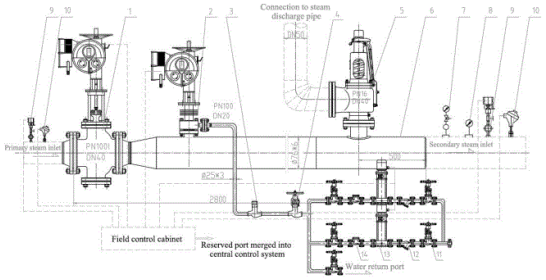


21: 2025/06292. 22: 2025/07/25. 43: 2026/02/25
51: C25C
71: Shaanxi Nonferrous Yulin New Materials Co., Ltd, Central South University
72: SONG, Daqing, CHEN, Wei, TU, Fubing, WANG, Jianjun, LI, Hesong, ZHANG, Yongbi, CHEN, Xu

54: STEAM TEMPERATURE AND PRESSURE REDUCTION SYSTEM FOR GREEN ANODE ASPHALT HEAT INSULATION

00: -

A steam temperature and pressure reduction system for green anode asphalt heat insulation is provided, and relates to the technical field of asphalt heat insulation. The system includes a pressure reducing valve for regulating pressure, a desuperheater for atomizing desuperheating water, a desuperheating water system for providing and controlling the desuperheating water, a control system, a safety valve, a pipeline, and a flange. The control system is electrically connected to the pressure reducing valve, the desuperheater, the desuperheating water system, and the safety valve. The consumption amount of heat transfer oil is reduced, the production costs are saved, and oxidation, leakage and other problems of the heat transfer oil are effectively eliminated, so that the system is of great importance to safe production, energy conservation, and consumption reduction of enterprises, and environmental protection.



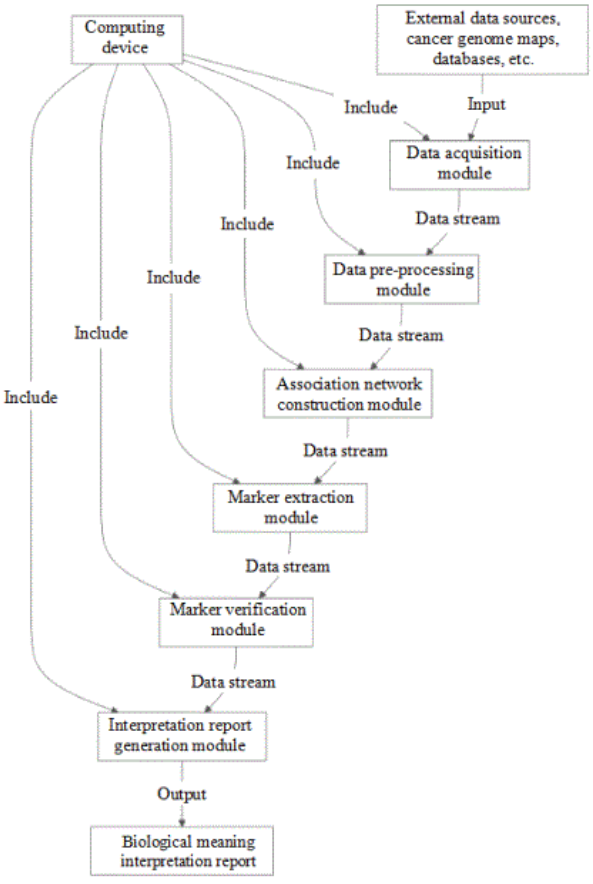
21: 2025/06293. 22: 2025/07/25. 43: 2026/02/25
51: G01N
71: The First People's Hospital of Zhenjiang City, Jiangsu Province (Suqian) Hospital
72: Yu Fan, Xiaoyan Wang, Zhenwei Mao, Yong Pu, Changfeng Man, Dandan Gong

54: SYSTEM FOR MINING MARKERS OF GASTROINTESTINAL TUMOR LIVER METASTASIS BASED ON MULTI-OMICS DATA FUSION

00: -

The present invention relates to the technical field of bioinformatics, and provides a system for mining markers of gastrointestinal tumor liver metastasis based on multi-omics data fusion, including the following steps: acquiring multi-omics data; pre-processing the multi-omics data to generate a

standardized multi-omics data set; constructing a multi-omics association network based on the standardized multi-omics data set to screen co-expression modules associated with liver metastasis of gastrointestinal tumors; extracting candidate biomarkers from the co-expression modules; validating the candidate biomarkers to generate a validation result; and generating a biological meaning interpretation report of the candidate biomarkers based on an interpretable artificial intelligence method. In the present invention, through adaptive multi-omics data fusion and proprietary screening algorithms, the system can mine genome, transcriptome, and proteome markers highly related to gastrointestinal tumor liver metastasis, and fuse multi-omics data to significantly improve marker specificity and prediction accuracy.

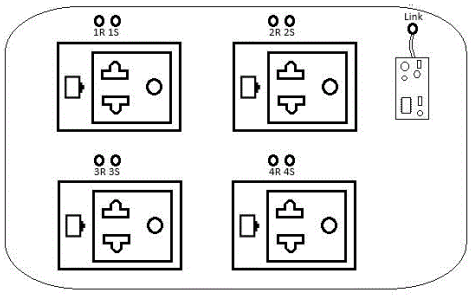


21: 2025/06295. 22: 2025/07/25. 43: 2026/02/25
51: G05B
71: Xiamen Ocean Vocational College
72: TI, YEN-WU, CHENG, REI-HENG, LEE, CHIA-WEN, CHUANG, FENG-CHIA

54: SYSTEM INTELLIGENT SWITCH SOCKET

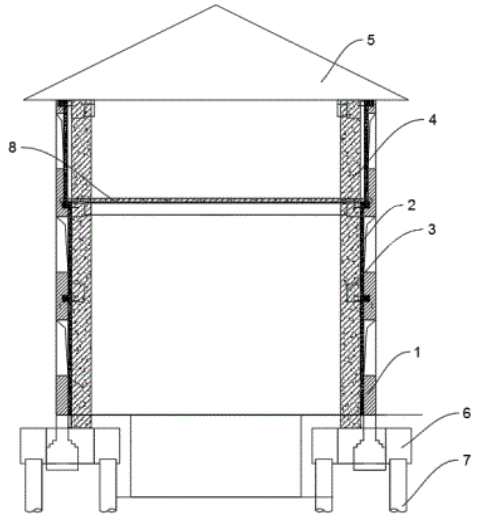
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The present invention belongs to the technical field of smart sockets and particularly relates to a system intelligent switch socket. In the present invention, a second judgment module determines status information of a power interface, a network cable interface, and a signal module, and transmits the status information to an external control part via the signal module. A user obtains the status information of the power interface, the network cable interface, and the signal module and, based on personal needs, transmits a control signal through the external control part. The signal module receives the control signal transmitted by the external control part, a first judgment module determines the type of control signal received by the signal module, and a control module controls the connection or disconnection of the power interface and/or the network cable interface according to the type of control signal, thereby achieving remote control. The present invention allows the external control part to check the status information of the socket part and control the connection or disconnection of the power interface and the network cable interface through the external control part, making usage more convenient. Meanwhile, integrating the power interface and the network cable interface into a single socket part reduces installation costs.

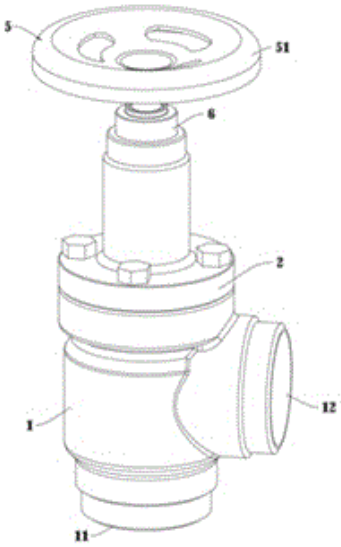


21: 2025/06300. 22: 2025/07/25. 43: 2026/02/25
51: E04G
71: CHINA CONSTRUCTION SEVENTH ENGINEERING BUREAU DECORATION ENGINEERING CO., LTD.
72: WU, Dongchang, ZHANG, Liwei, WANG, Caifeng, WANG, Litao, LIU, Huadong, ZHAO, Yongbo, WANG, Ran, HU, Huihui
33: CN 31: 202510379802.6 32: 2025-03-28

54: STRENGTHENING CONSTRUCTION METHOD FOR RENOVATED FLOOR OF OLD BUILDING
00: -
The present invention relates to a strengthening construction method for a renovated floor of an old building. On the premise of retaining original styles and features of external walls, a building with a residential attribute can be changed into a building with a commercial attribute, internal walls are demolished, and a pile foundation, frame columns and frame beams are newly added to form a supporting frame system, such that transformation of a stress system is completed, and the problem that traditional masonry structure construction methods mostly do not change structural stress systems thereof is solved. The method of the present invention prolongs service life of the building, reduces a cost of demolition and reconstruction, reduces a construction period by optimizing the construction technology, ensures efficiency and safety of a construction process, and has a wide application prospect.

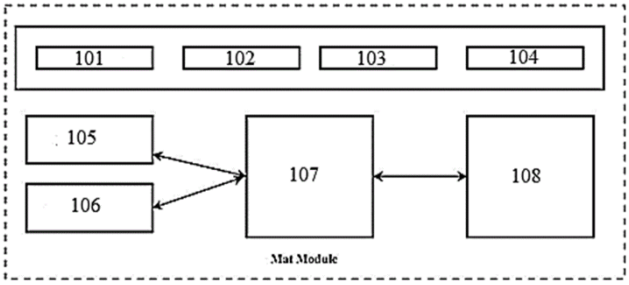


21: 2025/06309. 22: 2025/07/25. 43: 2026/02/25
51: F16K
71: CHANGZHOU AMG REFRIGERATION EQUIPMENT CO., LTD.
72: ZHOU, MINJIE, XU, YANZHANG, XU, DANWEN
33: CN 31: 202510514590.8 32: 2025-04-23
54: ANTI-JAMMING SOFT UPPER-SEAL GLOBE VALVE FOR CRYSTALLINE SILICON PRODUCTION REFRIGERATION EQUIPMENT
00: -
The present application relates to an anti-jamming soft upper-seal globe valve for crystalline silicon production refrigeration equipment. The present application improves upon conventional designs where the valve stem is prone to jamming, thereby effectively reducing the occurrence of jamming of the valve stem.



21: 2025/06314. 22: 2025/07/28. 43: 2026/02/25
51: G06Q
71: GUPTA, Amardeep, DHOBLE, Sanjay J.
72: GUPTA, Amardeep, DHOBLE, Sanjay J.
54: A REAL TIME TRACKING SHOE SYSTEM FOR STUDENT MONITORING AND BEHAVIOR ANALYSIS
00: -
The present invention relates to Equipped with RFID tags and a range of sensors (104), the shoes track various parameters such as weight, size, and pressure, providing real-time data on student presence and movement. This data is transmitted wirelessly to an automatic receiver device and subsequently processed and stored in a server unit. Utilizing deep learning technology, individual-specific models are formulated to accurately detect and analyze student behavior. Additionally, the system features a mobile application for user interface and parental monitoring, along with radio frequency technology for intruder detection. With a Raspberry Pi-powered computing/storage device, the system ensures efficient data processing and analysis. Overall, this innovative shoe system offers comprehensive insights into student behavior, aiding

in enhancing safety, security, and educational outcomes within school premises.

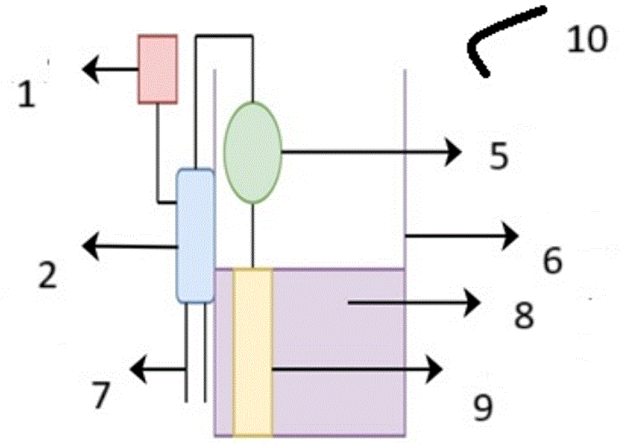


21: 2025/06316. 22: 2025/07/28. 43: 2026/02/25
51: G01N
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Dr. Nithyanandam Thangavelu, Prathish Mayavan, Nithin Varudharaju, Praneeth Ravichandran

54: A CHEMICAL POLLUTION CONTROL SYSTEM

00: -

The present invention discloses a chemical pollution control system (10) for eliminating the raising of temperature, odour and diseases, due to excessive chemicals in the air. The chemical pollution control system comprises a power source and a plurality of sensors. The plurality of sensors operatively coupled with the power source for detecting the one or more chemical parameters in the outdoor environment. The plurality of sensors can be positioned in one or more locations for identifying the chemical pollution by means of chemical concentrations in the air. The AI module is operatively connected by the plurality of positioned sensors. The said AI module is receiving the detected/analysed information from the set of sensors for taking the decisions to control the chemical concentration. The IMC controller is configured to control the operations of the motor sprayer. The motor sprayer sprays the chemical in the atmosphere for diluting the chemical concentration based on the predefined instruction of the AI module. The present invention (10) eliminates the chemicals from the atmospheric air for controlling the pollution in the environment.

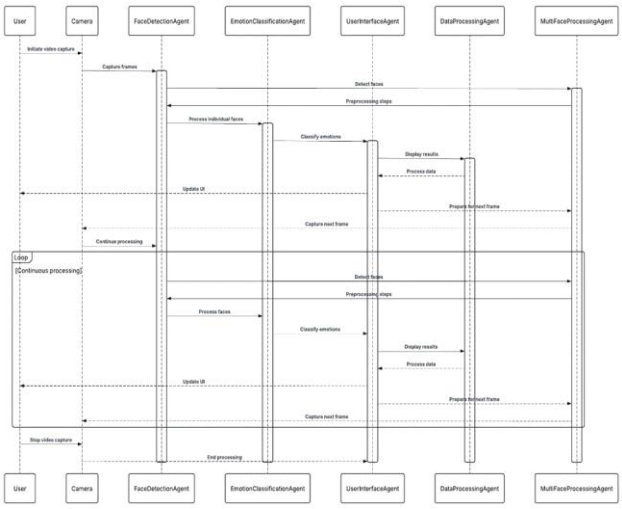


21: 2025/06317. 22: 2025/07/28. 43: 2026/02/25
51: G06F
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Dr Dhivya Ramasamy, Sujan Palanisamy, Sathyaseelan Kannal, Sachin Arulan, Sriramkrishna Velusamy

54: A SYSTEM FOR MANAGING OPERATIONS OF MULTIPLE FACES IN EMOTION DETECTION PROCESS

00: -

The present invention discloses a system for managing operations of multiple faces in emotion detection process to reduce the errors and time delay. The system comprises an input module is provided for capturing and pre-processing the video stream. The said module uses a webcam or live video source to continuously capture frames. The frames are pre-processed by the grayscale conversion. The converted frame is resized to 48x48 pixels for ensuring uniformity in the data fed into the model, improving accuracy and speed during classification. The processing module to perform the operations of face detection and emotion classification using the Open CV's Haar Cascade Classifier for efficient and real-time face localization. The module also classifies the detected face into one of the seven emotions, such as happy, sad, angry, surprised, fearful, disgusted and neutral. The output module is configured to handle the visual representation of the detected emotions by means of the real-time display. The module overlays the detected emotion label and confidence score on each face in the video feed. The module efficiently handles multiple faces in a single frame, displaying individual emotions above each face.

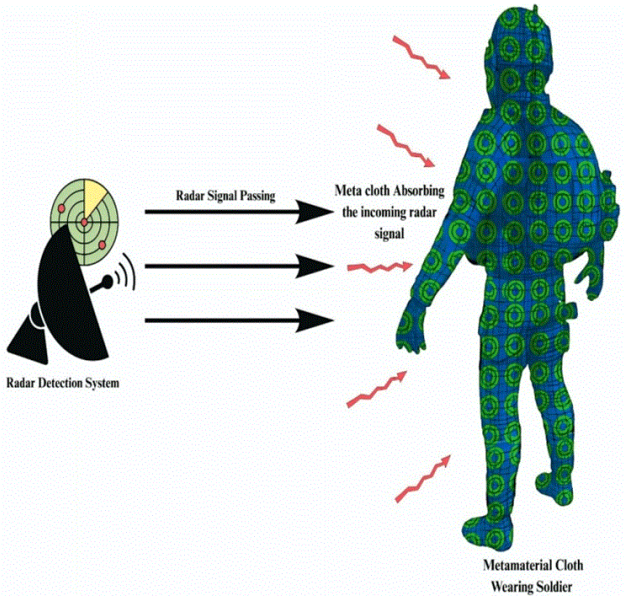


21: 2025/06318. 22: 2025/07/28. 43: 2026/02/25
51: A41D
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Dr. Jeyakumar Pitchaikani, Dr. Jegadeesan Subramani, Sanjay Subramani, Saravanan Rajamurugan, Selvakumaran Kunjammal Shanmugam, Senthilbalaji Manikkam

54: A FLEXIBLE METAMATERIAL BASED WEARABLE SUIT FOR ABSORBING RADAR WAVES

00: -

The present invention discloses a flexible metamaterial based wearable suit for absorbing radar waves without harming the wearer. The wearable fabric is made of flexible substrate. The fabric specializes a resonant structure. The resonant structure is configured to manipulate electromagnetic waves to minimize reflection and maximize absorption. The said structure features a split ring resonator is for absorbing and manipulating electromagnetic waves. The said split ring resonator configured to act as a frequency selective surface that enhances absorption and minimizes radar reflections by tuning the metamaterial's electromagnetic response. The metamaterial structure absorption coverts the electromagnetic energy into heat. The thermal management system houses a thermal dissipation layer which is configured to dissipate the absorbed heat using the metamaterial structure for maintaining the constant required temperature of the wearer. The present invention provides a flexible suit for absorbing the radar waves without changing the wearers' comfortability.



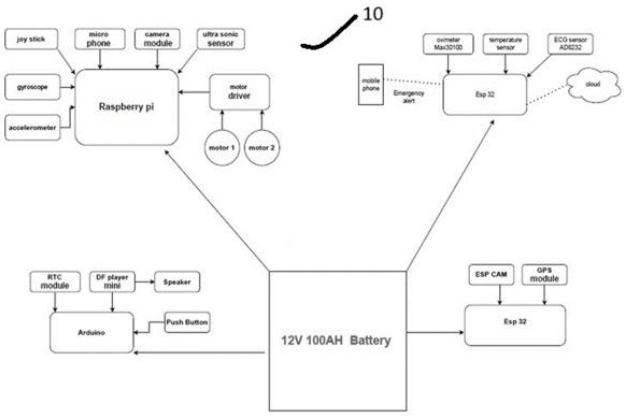
21: 2025/06319. 22: 2025/07/28. 43: 2026/02/25
51: A61G
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: SHEIKDAVOOD KAITHBEER, VIGNESH ESWARAN, SUDHAKAR KARUPPANNAN, SUGESHAN SIVAKUMAR, VIGNESHWARAN ARUNNANDA, VENNILA VELLAISAMY, VISHNU BHARATHI JAYABALAN

54: AN INTEGRATED SYSTEM FOR MONITORING AND CONTROLLING THE OPERATIONS OF A WHEELCHAIR

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The present invention discloses an integrated system (10) for monitoring and controlling the operations of a wheelchair based on the real-time conditions of the user, to control the accidents and the like. The integrated system is operable by the power source. A first set of sensors coupled with the wheelchair. The first set of sensors configured to analyse the health conditions of the user by using one or more sensors. The one or more sensors configured to measure the temperature, ECG and the like signal for measuring the health parameters based on the predefined instructions. The second set of sensors configured to identify the correct location of wheelchair along with live streaming features for analysing the real-time environment of the area. The control system comprises a motion control module, accident prevention module and a decision making module. The motion control module is operable by the physical as well as wireless devices for controlling the movement of the

wheelchair in various directions. The accident prevention module is operatively coupled with the plurality of sensory devices for automatically controlling the wheelchair operation in the autonomous mode. The decision making module provides the strategic control to the device for protecting the wheelchair as well as user from the accidents.

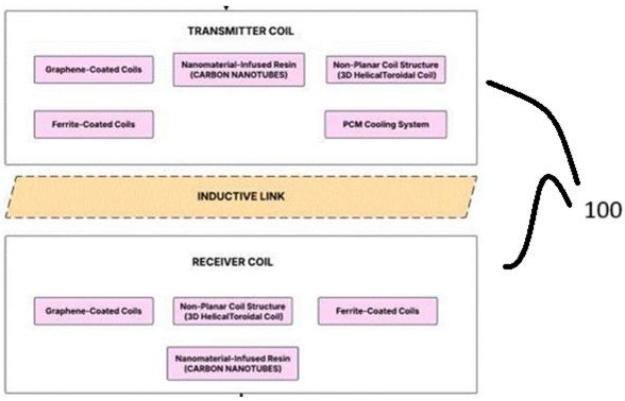


21: 2025/06320. 22: 2025/07/28. 43: 2026/02/25
51: H02J
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Mrs. Ramya Nallusamy, Shiyamhasan Sountza, Sowndhaar Velur Ramesh, Sriram Suresh, Vishal Senthil

54: A TOROIDAL STRUCTURE BASED TRANSMITTER AND RECEIVER COIL FOR WIRELESS CHARGING SYSTEM

00: -

The present invention discloses a nested toroidal helical coil structure based transmitter and receiver coil for wireless power transfer. The system (100) comprises a nested toroidal helical coil structure and it can be positioned in both transmitter and receiver coils. The nested toroidal helical coil structure is configured to concentrate the magnetic field within the core for reducing the electromagnetic interference and enhancing the energy transfer efficiency. The nested toroidal helical coil structure is having a graphene and ferrite coating. The graphene coating is configured to enhance the conductivity and reduce the resistive losses. The ferrite coating is provided for improving magnetic flux concentration and minimizing energy losses. The nanomaterial infused resin protects the toroidal helical coil from mechanical and thermal degradations. The phase change material is infused inside the coil which is configured to passively absorb excess heat for ensuring stable operation without requiring external cooling mechanism. The present invention (100) reduces the energy losses, temperature and time consumption of energy transfer in an effective manner.



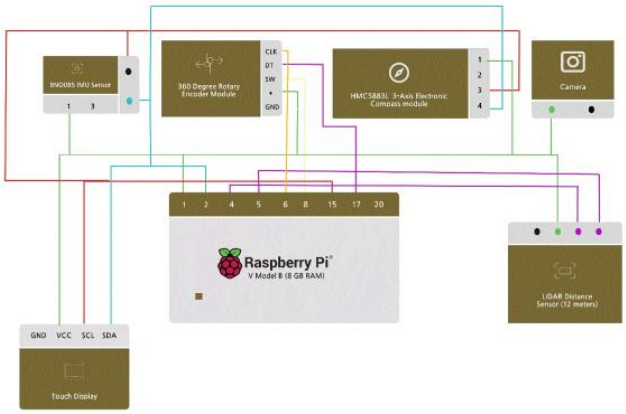
21: 2025/06321. 22: 2025/07/28. 43: 2026/02/25
51: G06Q
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Dr. Jeyakumar Pitchaikani, Dr. Jegadeesan Subramani, Manoj Vishwanathan, Jeevith Selursellappampalayam Mahalingam, Jeeva Ashokkumar, Harish Raja, Kiruthivarma Senthilnathan

54: A SMART NAVIGATION SYSTEM FOR GPS DENIED AREAS

00: -

The present invention discloses a smart navigation system for GPS denied areas to provide accurate and continuous positional information to the user. The system comprises a power source, plurality of sensors, processing unit, map matching module and a touch display interface. The plurality of sensors configured to measure one or more real-time parameters from the users' location for identifying the accurate and continuous positional information of the user. The processing unit comprises a Raspberry Pi. The Raspberry Pi is configured to receive the sensor information, and execute navigation algorithm, data fusion technique, and decision making routine, for providing the accurate results to the users. The map matching module is configured to align with preloaded map data or previously learned routes. The said module allows the system to self-correct and re-localize when minor navigation errors accumulate or when sensor inputs

become temporarily unreliable. The touch display interface is configured to receive the input from the user, show the sensor measurements, and direct the user based on the control of processing unit. The touch display interface shows the continuous and accurate positional information to the user based on the request of the said user. The present invention will help to avoid the time delay and accidents due to unavailability of GPS during the travel time.

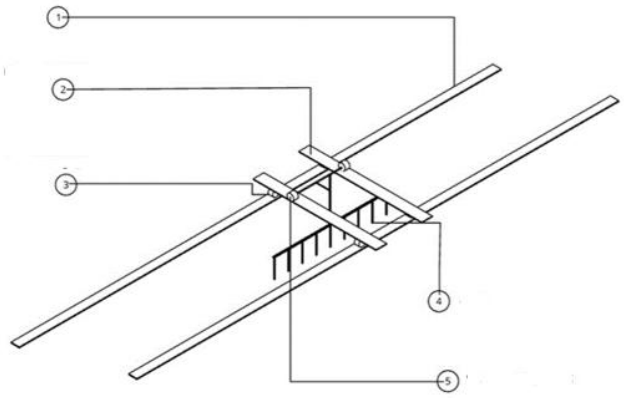


21: 2025/06322. 22: 2025/07/28. 43: 2026/02/25
51: A01K
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Banumathi Sembanan, Mokish Jayaraman, Vignesh Ponnusamy, Surendar Chandrasekaran

54: AN AUTOMATIC FORK SYSTEM FOR REDUCING THE MORTALITY OF CHICKENS IN POULTRY FARM

00: -

The present invention discloses an automatic fork system (10) for reducing the mortality of chickens in poultry farm. The system comprises a power source, one or more sensors, controller and at least two fixed frames. The moveable frame is movably positioned perpendicular to the fixed frames. The moveable frame (2) is enabling the movement to the mixing system in forward and reverse directions. The moving arm is located over the moveable frame for enabling the movement in left to right directions using the motor rotation. The fork (4) is operatively coupled with the moving arm for mixing the loaded materials with the one or more wastes to control the spreading of diseases and the like. The automatic retrieval and extension mechanism (8) is configured to open/close the tarpaulin sheets based on the climatic conditions of the particular poultry farm. The present invention will control the temperature as well as mortality of chickens in poultry farms in an effective manner.



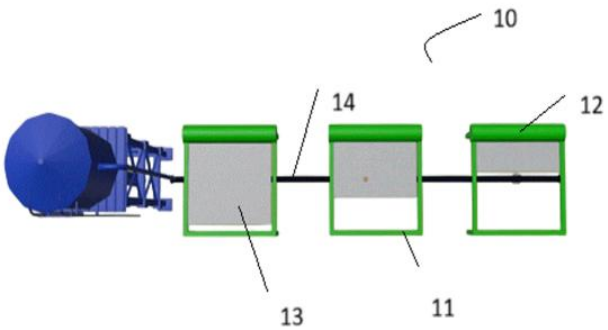
21: 2025/06323. 22: 2025/07/28. 43: 2026/02/25
51: A61P
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: SHEIKDAVOOD KAITHBEER, SURYANARAYANAN ADHINARAYANAN, VIGNESH ESWARAN, SUGESHAN SIVAKUMAR

54: A SYSTEM FOR REGULATING TEMPERATURE OF THE NESTS TO INCREASE THE HATCHING RATIO

00: -

The present invention discloses a system for regulating temperature of the nests to increase the hatching ratio without manual inspection. The system comprises a plurality of sensors configured to continuously monitor the temperature of one or more nests. The rectangular frame with roller houses the bundle of white cloth at its one end. The roller is operatively coupled with a rotating element. The white cloth is configured to cover the nest area during the detection of excessive temperature by means of sunlight. The nozzles configured to spray the water over the nests during the detection of excess temperature. The solar system is configured to harvest the energy from the sunlight and which supplies the power to the electrical parts/components of the system. The control unit is configured to receive the sensor notification to identify the present temperature of the nests, operate the roller to cover the nest area, and to operate the pump to spray the water to control the temperature. The cloud interface is configured to provide the real-time monitoring of the nests to one or more locations. The said interface also allows the

authenticated users to adjust the settings of the control unit based on the requirements.

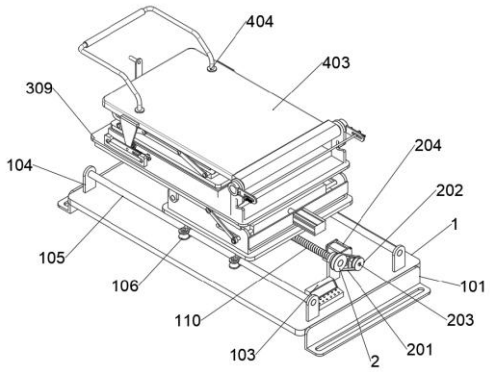


21: 2025/06326. 22: 2025/07/28. 43: 2026/02/25
51: B32B
71: ZHEJIANG HEADING ENVIRONMENT TECHNOLOGY CO., LTD.
72: WANG, Daolong, SUN, Lifeng, ZHAO, Liya, HU, Xianlin, JIANG, Henglong
33: CN 31: 202411396837.2 32: 2024-10-09

54: A MULTI-LAYER NEEDLE PUNCHED FELT PRODUCTION PRESSING DEVICE

00: -

The present invention discloses a multi-layer needle punched felt production pressing device, which relates to the field of needle punched felt processing technology. The device comprises a bottom plate, and support plates are fixedly connected on both sides of the bottom plate. The support plates are provided with installation holes, and a control console is fixedly installed on the bottom plate. The top surface of the bottom plate is fixedly connected to two pairs of first shaft seats, and a bottom rod is fixedly connected between the first shaft seats. A pulley is slidably connected to the bottom rod, and the pulley is rotatably connected to the support seat. The top end of the support seat is fixedly connected to the pallet, and a sleeve seat is fixedly connected to the middle part of the bottom surface of the pallet. The sleeve seat is threaded on the screw rod. The structure of the present invention is reasonable, and it is convenient to open the top plate through a limiting component. Then, the needle punched felt is placed on the storage board, and the top plate is rotated to the top position of the storage board. The needle punched felt is pressed by a pressure plate.



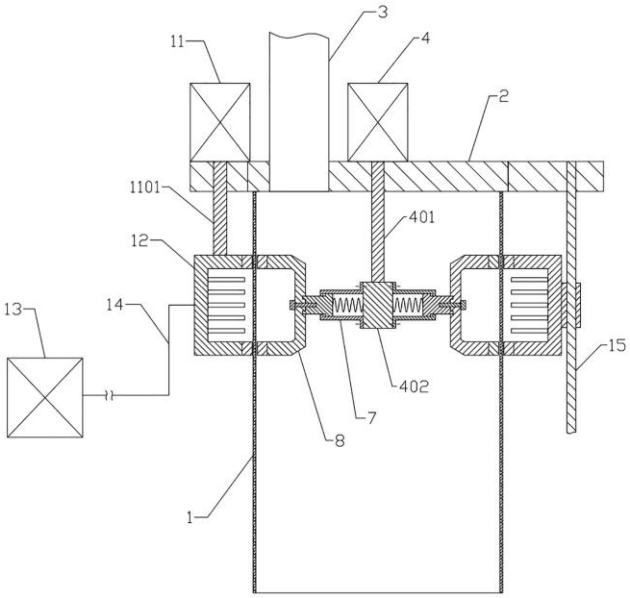
21: 2025/06336. 22: 2025/07/28. 43: 2026/02/25
51: B01D
71: ZHEJIANG HEADING ENVIRONMENT TECHNOLOGY CO., LTD.
72: WANG, Daolong, CHEN, Bin, LI, Biyou, BAO, Changyang
33: CN 31: 202411981329.0 32: 2024-12-31

54: A SELF-CLEANING COMPONENT AND METHOD FOR A CEMENT GRINDING COAL DUST REMOVAL FILTER BAG TECHNICAL FIELD

00: -

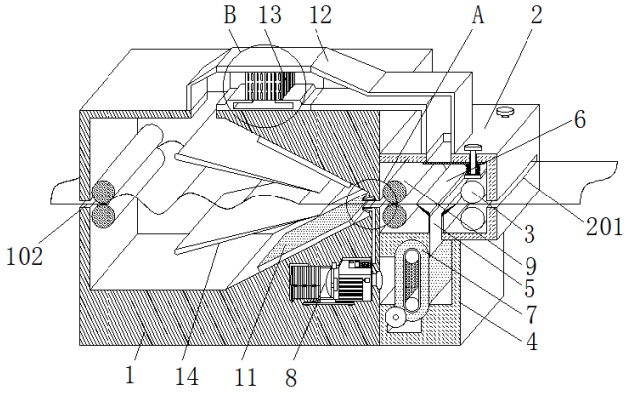
The present invention discloses A self-cleaning component and method for a cement grinding coal dust removal filter bag, which relates to the technical field of dust removal and filtration. In the present invention: The bottom end of the first shaft of the first expansion joint is connected to a multi-faceted installation block. Each installation surface of the multi-faceted installation block is provided with a fixed sleeve box containing an open installation cavity and a guiding through groove. There is a tension spring in the open installation cavity. The movable plug-in is placed in the open installation cavity and the guiding through groove and protrudes outward. The side end of the movable plug-in is fixed with a C-shaped magnetic attraction. The bottom end of the second shaft of the second expansion joint is connected to the annular gas injection part. The upper and lower ends of the annular gas injection part are also fixed with electromagnetic rings that cooperate with the magnetic attraction part. Inside the annular gas injection part, there are multiple horizontal air outlet pipes surrounding the dust removal filter bag. The air outlet is directly facing the filter bag and is connected to the air supply pipeline, which is connected to the air supply mechanism. The present invention realizes the dynamic cleaning of the dust removal filter bags,

avoiding the problem that the production system stops working due to the need for cleaning the dust removal filter bags.



21: 2025/06338. 22: 2025/07/28. 43: 2026/02/25
51: F26B
71: ZHEJIANG HEADING ENVIRONMENT TECHNOLOGY CO., LTD.
72: ZHAO, Yewang, WANG, Daolong
33: CN 31: 202411848874.2 32: 2024-12-16
54: AN ADJUSTABLE DRYING OVEN FOR NON-WOVEN FABRIC PROCESSING
00: -

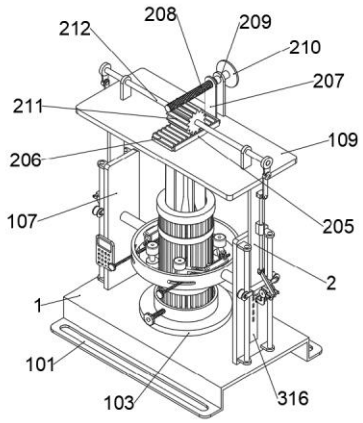
The present invention discloses an adjustable drying oven for non-woven fabric processing, belonging to the field of non-woven fabric processing technology, comprising a box body, a first feeding port located at the front end of the box body, and a discharge port located at the rear end of the box body and on the same horizontal plane as the first feeding port. The present invention installs a high-pressure fan at the bottom of the box body, and sets strip-shaped nozzles that are connected to the output end of the high-pressure fan on the upper and lower sides of the first feeding port. During the process of conveying and drying the fabric, the gas discharged from the strip-shaped nozzle can be respectively adhered to the upper and lower surfaces of the fabric and discharged in the direction of the fabric conveying. The fabric is in a loose state inside the box body, which can control the fabric to shake in a ripple shape inside the box body. This not only improves the drying rate, but also ensures that the fabric is not affected by the tensile force during conveying, ensuring the quality of the fabric after drying.



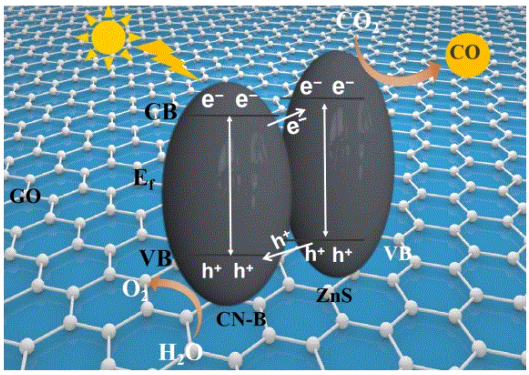
21: 2025/06339. 22: 2025/07/28. 43: 2026/02/25
51: B01D; B08B
71: ZHEJIANG HEADING ENVIRONMENT TECHNOLOGY CO., LTD.
72: WANG, Daolong, ZHANG, Jianmin, XING, Libin, CHEN, Lifei, PANG, Maozhi
33: CN 31: 202411382673.8 32: 2024-09-30
54: AN INNER PERIPHERAL SURFACE SCRAPING AND WASHING DEVICE FOR PROCESSING DUST REMOVAL FILTER CARTRIDGES
00: -

The present invention discloses an inner peripheral surface scraping and washing device for processing dust removal filter cartridges, which relates to the technical field of dust removal filter cartridges, including a base, the bottom position of the base is provided with an installation hole, the middle position of the base is rotatably connected with a main shaft, the top end of the main shaft is fixedly connected with a tray, the top surface of the tray is fixedly connected with a retaining ring, and the retaining ring is threadedly connected with a bolt The bottom end of the main shaft is fixedly connected to the output end of the drive motor. Side plates are fixedly connected to both sides of the top surface of the base. A control panel is fixedly installed on the surface of the side plates, and a top plate is provided at the top position of the side plates. The structure of the present invention is reasonable. The bottom of the filter cartridge is initially fixed by the bolts on the retaining ring, and then the middle position of the filter cartridge is fixed by the fastening assembly.

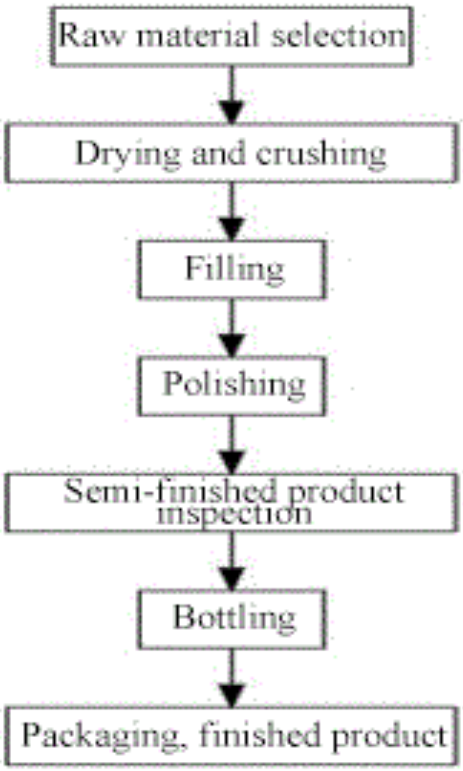
The scraper on the limit rod extends into the interior of the filter cartridge, and the dust on the inner wall is easily cleaned by the scraper through the rotation of the filter cartridge.



21: 2025/06346. 22: 2025/07/29. 43: 2026/02/25
51: B01J
71: Henan University of Urban Construction, jiangsu university
72: Yan Xu, Li Baixin, Mao Yanli, BaiWenyu, YanYan, Zhu Zhi, Huo Pengwei, Kang Haiyan, Geng Hongchao, Wang Chaohai, Wang Mengdi, Ma Yaojie, WangJingpei, Ling Huifang
33: CN 31: 2025109122089 32: 2025-07-03
54: A PREPARATION METHOD, PRODUCT, AND APPLICATION OF A COMPOSITE PHOTOCATALYST
00: -
The present invention relates to the field of photocatalytic CO2 reduction, and particularly to a preparation method, product, and application of a composite photocatalyst. The preparation method of the CN-B ZnS GO composite photocatalyst comprises the following steps: Step 1: Urea is mixed with fluorescein magenta B and then calcined to obtain CN-B; Step 2: CN-B is mixed with water to prepare a suspension; zinc acetate solution and thioacetamide solution are sequentially added to the suspension, and after thorough mixing, a hydrothermal reaction is performed to obtain CN-B ZnS; Step 3: Graphene oxide is dispersed in water, and then the obtained CN-B ZnS is added and mixed uniformly, followed by another hydrothermal reaction to obtain the CN-B ZnS GO composite photocatalyst. The method of the present invention is simple, uses readily available raw materials, and has relatively low cost. The CN-B ZnS GO composite photocatalyst prepared by this method exhibits excellent photocatalytic activity and good cycling stability.



21: 2025/06347. 22: 2025/07/29. 43: 2026/02/25
51: A61K
71: Huaxian Department of orthopedics hospital
72: Xinjie Ming, Xinhui Ming, Xinyue Ming, Xintang Ming
54: A THIRTEEN-INGREDIENT MUSCLE AND BONE RECOVERY CAPSULE AND ITS PREPARATION METHOD
00: -
The invention relates to the technical field of traditional Chinese medicine capsules and provides a Thirteen-Ingredient Muscle and Bone Recovery Capsule, which comprises the following raw materials by weight: 22–23g of Kudzu Root (Pueraria), 22–23g of Cimicifuga, 14–16g of Siler, 14–16g of Angelica, 37–38g of Black-Striped Snake, 1–2g of Silver Ring Snake, 24–26g of Pearl Peristrophe Herb, 34–36g of Clematis Root, 24–26g of Scorpion, 17–18g of Vinegar-Processed Trogopterus Dung, 14–16g of Dragon's Blood Resin, 14–16g of Ground Beetle, and 7–8g of Licorice. After preparation, the contents are filled into empty capsules, with the contents appearing as a brownish-yellow powder and tasting slightly bitter. The capsule prepared by the invention has the effects of activating blood circulation and removing blood stasis, dispelling wind and dampness, dredging meridians and relieving pain, relaxing tendons and alleviating obstruction, as well as regulating qi and nourishing blood. Clinically, it is used for lumbar and leg pain, lumbar disc herniation, lumbar degenerative diseases, ankylosing spondylitis, knee osteoarthritis, lumbar muscle strain, limb numbness, and various types of neuropathic pain.

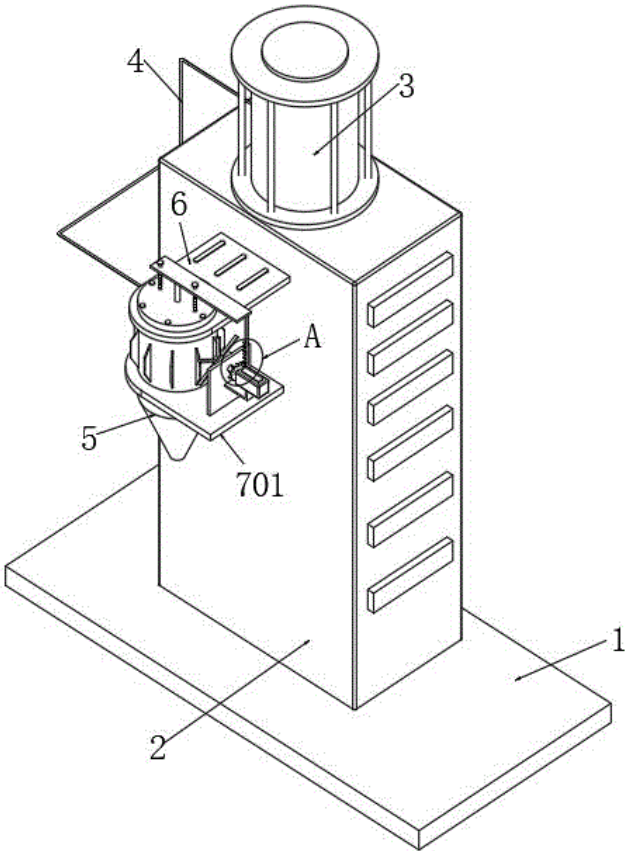


21: 2025/06348. 22: 2025/07/29. 43: 2026/02/25
51: C23C
71: Anhui Technical College of Mechanical and Electrical Engineering
72: Wei Gu, Dewei Wang
33: CN 31: 202520818561.6 32: 2025-04-28

54: A SUPER AUSTENITIC LASER CLADDING REPAIR DEVICE

00: -

The invention discloses a super austenitic laser cladding repair device, which comprises a base, wherein a support frame is fixedly connected to the upper end of the base; a feed box, which is fixedly mounted on the upper end of the support frame; a powder feeding nozzle, which is connected to the feed box through a conveying pipe and is fixedly mounted on the outer side of the support frame through a connecting plate; a heat dissipation component, which is arranged on the outer side of the powder feeding nozzle; and an unclogging component, which is arranged on the inner side of the powder feeding nozzle. The super austenitic laser cladding repair device increases the heat dissipation area by installing heat dissipation fins at equal angles on the outer side of the powder feeding nozzle, thereby quickly conducting away the heat from the inner side of the nozzle. Then, the drive motor is activated, and the output end of the drive motor drives the fan blades to rotate, generating airflow. The generated airflow accelerates the air circulation around the outer side of the powder feeding nozzle, thus achieving rapid cooling, and preventing overheating inside the nozzle, which could otherwise lead to powder caking or uneven delivery.



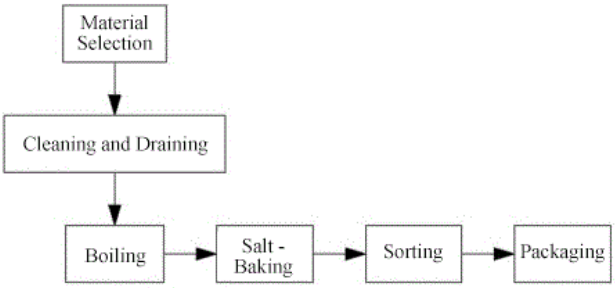
21: 2025/06349. 22: 2025/07/29. 43: 2026/02/25
51: A23L
71: Henan Xinqilin People's Catering Management Co., Ltd.
72: Haoliang Han, Lina Fang, Yutong Han

54: A PREPARATION PROCESS FOR SALTED AND BAKED PEANUTS

00: -

The invention is applicable to the technical field of food processing and provides a preparation process for salted and baked peanuts, comprising the following steps:S1. Selection of peanut kernels;S2. Pour the peanut kernels into a container for cleaning, and drain them;S3. Add water, spices, and salt into a cooking pot. After boiling, pour in the drained peanut kernels and simmer over low heat for

20 minutes;S4. Dry the boiled peanut kernels;S5. Add salt into a frying pan and heat it. Pour the dried peanut kernels into the pan and stir-fry slowly over low heat;S6. Place the stir-fried peanut kernels on a sorting table, and manually remove burnt kernels and any mixed impurities;S7. Pack the sorted and cooled peanut kernels into vacuum packaging bags, 250 grams per bag. Place one piece of food-grade desiccant in each bag, and use a vacuum packaging machine to perform vacuum sealing.The peanuts prepared by the invention have a unique flavor, crispy texture, stable quality, and long shelf life.

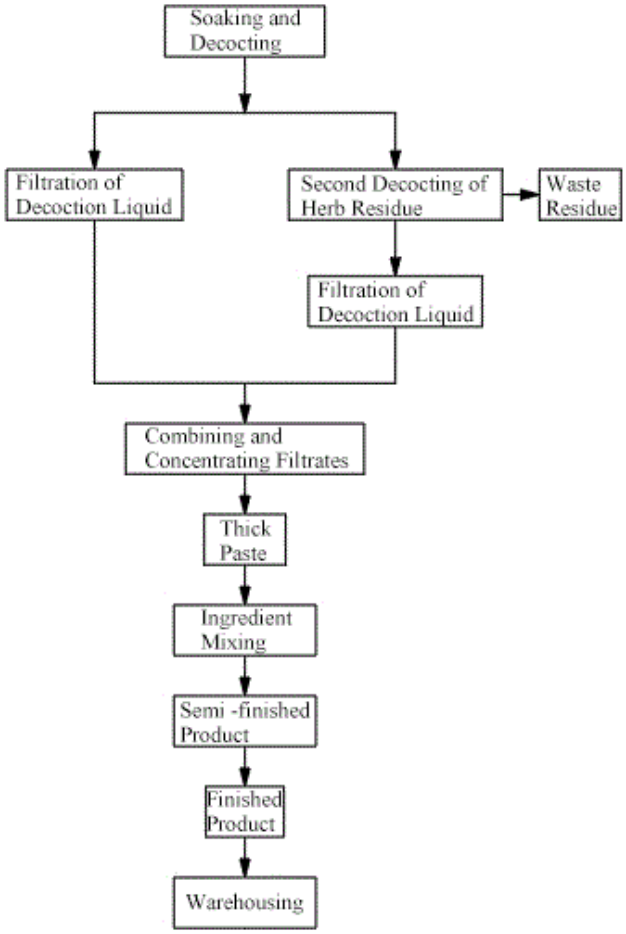


21: 2025/06350. 22: 2025/07/29. 43: 2026/02/25
51: A23L
71: Huaxian Department of orthopedics hospital
72: Xinjie Ming, Xinhui Ming, Xinyue Ming, Xintang Ming

54: A BONE-JOINING AND TENDON-REPAIRING GRANULE PREPARATION AND ITS PREPARATION METHOD

00: -

The invention relates to the technical field of traditional Chinese medicine granules and provides a bone-joining and tendon-repairing granule preparation. It comprises the following raw materials: 110–130g of Rehmannia glutinosa, 80–100g of Acanthopanax, 80–100g of Red Peony Root, 80–100g of Achyranthes bidentata, 50–70g of Ligusticum chuanxiong, 30–50g of Safflower, 80–100g of Astragalus, 80–100g of Angelica sinensis, 80–100g of Eucommia ulmoides, 80–100g of Dipsacus asperoides, 80–100g of Drynaria fortunei, 50–70g of Dragon's Blood, 310–320g of sucrose, and 150–160g of dextrin. The prepared granules appear brownish-yellow to brownish-brown in color, with a mild aroma, sweet taste, and slight bitterness. The granule preparation developed in this invention has the effects of tonifying qi and promoting blood circulation, joining bones and repairing tendons. Clinically, it can be used for treating traumatic injuries, tendon and bone damage, nonunion of fractures, and for promoting bone healing.



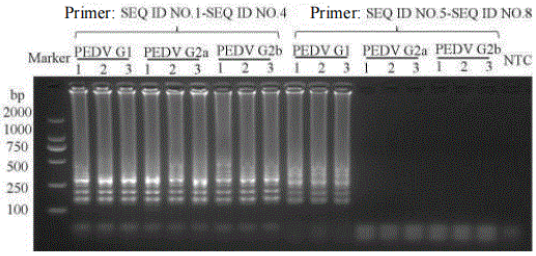
21: 2025/06351. 22: 2025/07/29. 43: 2026/02/25
51: C12Q
71: Jiangxi Agricultural University
72: SONG, Deping, LIU, Zhong, FANG, Mengtao, LI, Jieqiong, WU, Qi, YE, Yu, HUANG, Dongyan, WAN, Gen
33: CN 31: 202411420119.4 32: 2024-10-12

54: PRIMER GROUP AND KIT FOR SIMULTANEOUSLY IDENTIFYING CLASSICAL STRAIN AND VARIANT STRAIN OF PEDV

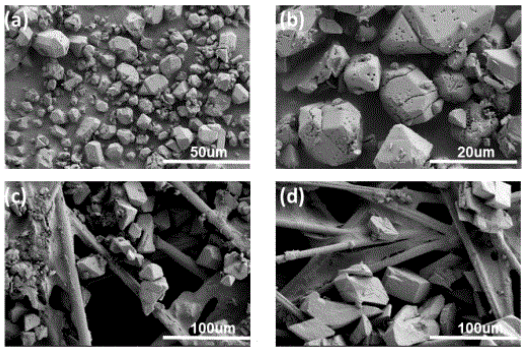
00: -

The present invention belongs to the technical field of biological detection, and particularly relates to a primer group and a kit for simultaneously identifying a classical strain and a variant strain of a porcine epidemic diarrhea virus (PEDV). The primer group includes a primer group I and a primer group II; nucleotide sequences of the primer group I are shown as SEQ ID NO.1 to SEQ ID NO.4

respectively; and nucleotide sequences of the primer group II are shown as SEQ ID NO.5 to SEQ ID NO.8 respectively. According to the present invention, a universal reverse transcription loop-mediated isothermal amplification (RT-LAMP) rapid detection method for the PEDV is established by taking a relatively conservative M gene of the PEDV as a target fragment and constructing a standard plasmid.

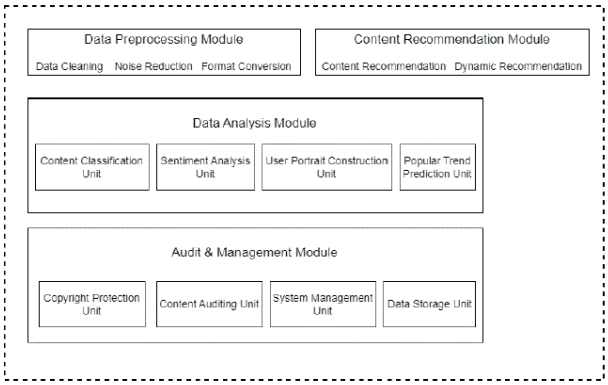


21: 2025/06352. 22: 2025/07/29. 43: 2026/02/25
51: C25B
71: Henan University of Urban Construction, jiangsu university
72: Yan Xu, BaiWenyu, Mao Yanli, YanYan, Zhu Zhi, Kang Haiyan, Huo Pengwei, Geng Hongchao, Wang Chaohai, Wang Mengdi, Ma Yaojie, WangJingpei, Ling Huifang
33: CN 31: 2025109144834 32: 2025-07-03
54: A PREPARATION METHOD, PRODUCT, AND APPLICATION OF A COPPER-BASED CATALYS
00: -
The present invention relates to the technical field of carbon dioxide reduction reactio electrocatalysts, and more specifically, to a preparation method, product, and application of a copper-based catalyst. The preparation method of the copper-based catalyst of the present invention comprises the following steps: a copper salt solution is mixed with a ligand solution to obtain a mixed solution; the mixed solution undergoes a reaction to yield the copper-based catalyst; the ligand in the ligand solution is 1,3,5-tris(4-carboxyphenyl)benzene. In the present invention, 1,3,5-tris(4-carboxyphenyl)benzene is used as a ligand to synthesize a copper-based catalyst (MOF), and the preparation method is simple. The copper-based catalyst prepared by the method of the present invention is used for electrocatalytic carbon dioxide reduction reactio, exhibiting high C2+ selectivity and low hydrogen evolution.



21: 2025/06353. 22: 2025/07/29. 43: 2026/02/25
51: H04N
71: Zhejiang Industry and Trade Vocational College
72: Wu Yang
54: DATA PROCESSING SYSTEM FOR NETWORK AUDIOVISUAL NEW MEDIA
00: -
The invention provides a data processing system for network audiovisual new media, and relates to the technical field of network audiovisual new media. The data processing system comprises a data preprocessing module, a data analysis module, a content recommendation module and an auditing management module; the data preprocessing module is configured to pre-process the data acquired from the network audiovisual new media platform; and the data analysis module is configured to perform content classification, sentiment analysis, user portrait construction, and popular trend prediction on the preprocessed data by using a deep learning algorithm and a machine learning algorithm; the content recommendation module is used for providing personalized content recommendation information for the user; the auditing management module is used for automatically auditing the uploaded audiovisual content, identifying and processing the violation content, and performing copyright identification and protection on the audiovisual content, and is also used for configuration, monitoring and management of the system.

monitoring and management of the system.

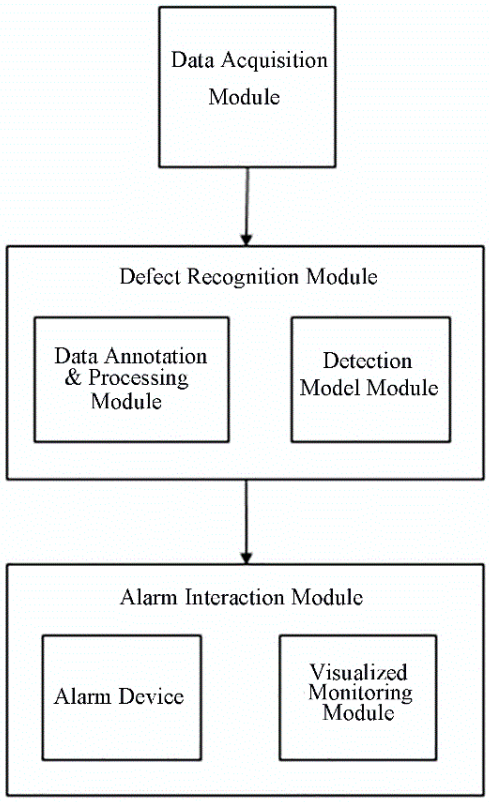


21: 2025/06354. 22: 2025/07/29. 43: 2026/02/26
51: G01N
71: Zhejiang Industry and Trade Vocational College
72: Xiang Chaohui, Qian Yuezhong, Qiu Jianshu, Chen Hancheng, Ding Jinqiao

54: IC CHIP APPEARANCE DEFECT DETECTION SYSTEM BASED ON CHANNEL SPACE INTERACTION ATTENTION

00: -

The invention provides an IC chip appearance defect detection system based on channel space interaction attention, and relates to the technical field of industrial vision detection. The system comprises a data acquisition module, a defect recognition module and an alarm interaction module; the data acquisition module is used for acquiring chip image data, performing image preprocessing on the chip image data, and inputting the preprocessed image information into the defect recognition module for defect type identification; further configured to construct a defect detection model based on the ResNet network model of the channel space interaction attention, and perform defect type recognition through the trained defect detection model; and the alarm interaction module is configured to perform alarm reminding on the chip defect type according to the defect detection result, and is further configured to perform visual monitoring on the defect detection data According to the invention, the recognition precision and efficiency of the chip tiny defects are higher, the adaptability is high, and the method can be applied to actual production on a large scale.



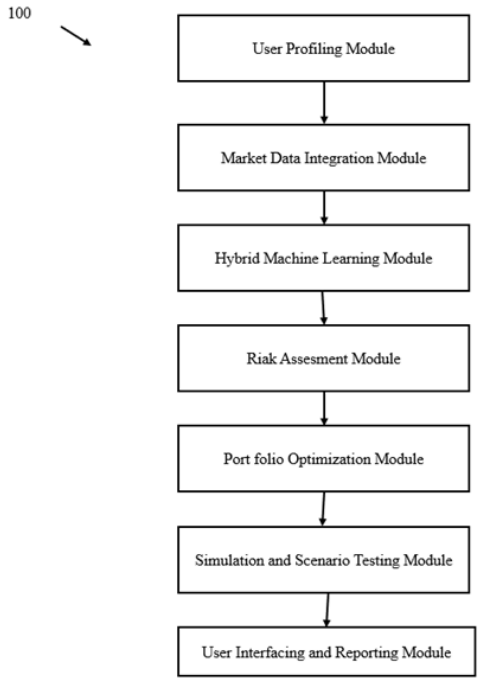
21: 2025/06357. 22: 2025/07/29. 43: 2026/02/26
51: G06Q
71: Ameya Anil Patil, Dr. Shriram Savaleram Dawkhar, Ankita Bhatt, Karan Randive
72: Ameya Anil Patil, Dr. Shriram Savaleram Dawkhar, Ankita Bhatt, Karan Randive

54: AUTOMATED INVESTMENT RISK ASSESSMENT AND PORTFOLIO OPTIMIZATION SYSTEM USING HYBRID MACHINE LEARNING MODELS

00: -

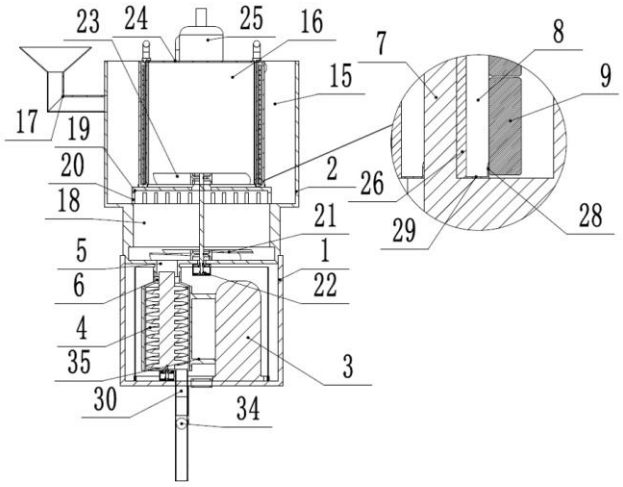
The present invention provides an automated investment risk assessment and portfolio optimization system utilizing hybrid machine learning models to deliver intelligent, adaptive, and personalized financial decision-making. The system integrates supervised and unsupervised learning algorithms to analyze investor profiles and real-time market data for accurate risk classification and dynamic portfolio construction. A user profiling module captures financial goals and behavior, while a data engine processes market trends, sentiment, and macroeconomic indicators. The system continuously learns via feedback loops, updates investor risk scores, and rebalances portfolios using multi-objective optimization methods. Scenario

simulations and stress testing ensure robust performance under diverse market conditions. The system offers real-time insights and recommendations through a secure, interactive interface, and can be deployed as a cloud-based advisory platform or integrated into financial applications.



21: 2025/06374. 22: 2025/07/29. 43: 2026/02/26
51: F25C
71: NINGBO HUIKANG INDUSTRIAL TECHNOLOGY CO., LTD
72: CHEN, Yuepeng, WANG, Zhengcong, LI, Guoqing, HU, Jifeng, WANG, Wei
33: CN 31: 202410965927.2 32: 2024-07-18
54: HYBRID SEAWATER ICE MAKER
00: -

The present invention relates to the technical field of ice making machines, and discloses a hybrid seawater ice making machine, comprising an ice making module and a filtering module, wherein a compressor and an ice making bucket for making crushed ice are fixedly arranged in the ice making module, a filtering module is arranged above the ice making module, a rectangular filter plate is arranged in the filtering module, a filtering cavity is arranged in the filter plate, a plurality of rotating filter elements are arranged in the filtering cavity, a first transmission chain for linking the rotating shafts in a plurality of vertical directions is arranged between the rotating shafts, a second transmission chain for linking the rotating shafts on opposite sides of the filter plate is arranged between the rotating shafts on both sides, an adjusting button is fixedly arranged on the uppermost rotating shaft among the plurality of rotating shafts, and the structure can adjust the filtering degree and filtering speed of the filtering module by adjusting the rotating angle of the rotating filter element, so that the ice making machine can adapt to environments with different seawater qualities to achieve the best filtering effect and speed.

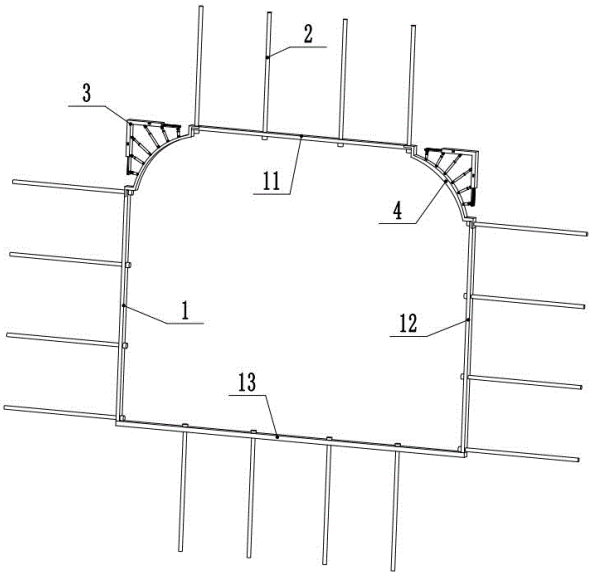


Cross-section A-A

21: 2025/06385. 22: 2025/07/30. 43: 2026/02/26
51: E21D
71: Jiangsu Vocational Institute of Architectural Technology
72: YANG Ning, ZHANG Haoze, ZHAO Meixia, GUO Dongqin
54: A DEVICE AND METHOD FOR CONTROLLING DEFORMATION AND FAILURE OF SURROUNDING ROCK IN A RECTANGULAR ROADWAY
00: -

The invention discloses a device and method for controlling deformation and failure of surrounding rock in a rectangular roadway, which comprises protective plates, anchor rods and arc-shaped plates. The protective plates include a bottom protective plate, side protective plates and a top protective plate, which are distributed in a rectangular shape. Anchor rod holes are evenly arranged on the protective plates, and anchor rods

are inserted through the anchor rod holes. The lower ends of the side protective plates are vertically and fixedly connected with the bottom protective plate, and arc-shaped plates are connected between the upper ends of the side protective plates and the two ends of the top protective plate through inserted anchor rods. A control device is arranged on the outer side of the arc-shaped plates, and the outer side of the control device is attached to the wall surface of the surrounding rock of the roadway.The adjusting mechanism of the invention facilitates adjusting the stress supporting force between the right-angle sleeves and the arc-shaped plates; the locking mechanism facilitates locking after the adjustment of the adjusting mechanism is completed; the right-angle sleeves and the retractable and adjustable toothed plates inside them can be adjusted and matched according to the vertex angles of surrounding rocks of different sizes, and are connected with the arc-shaped plates through the adjusting mechanism, so as to avoid damage to the vertex angle control structure and help enhance the local stress supporting force.

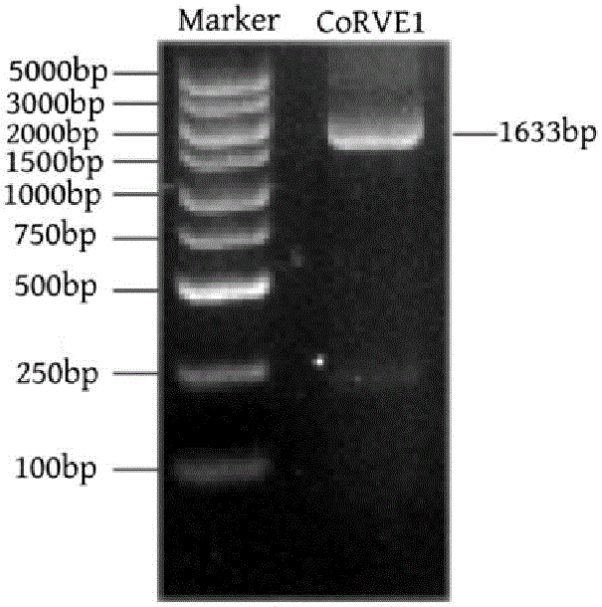


21: 2025/06386. 22: 2025/07/30. 43: 2026/02/26
51: C12Q
71: Hunan Academy of forestry
72: HE Zhilong, WANG Rui, MA Xiaofan, ZHANG Ying, ZHANG Zhen, XUN Chengfeng, MA Yushen, WANG Xiangnan, WAN Zhentao, DENG Xuemei, CHEN Yongzhong
33: CN 31: 202510918319.0 32: 2025-07-03

54: CAMELLIA OLEIFERA REVEILLE1 GENE FOR PLANT DROUGHT RESISTANCE AND APPLICATION THEREOF

00: -

The present invention provides a Camellia oleifera REVEILLE1 (CoRVE1) gene for plant drought resistance and an application thereof. The CoRVE1 gene for plant drought resistance has a sequence as shown in SEQ ID NO.1



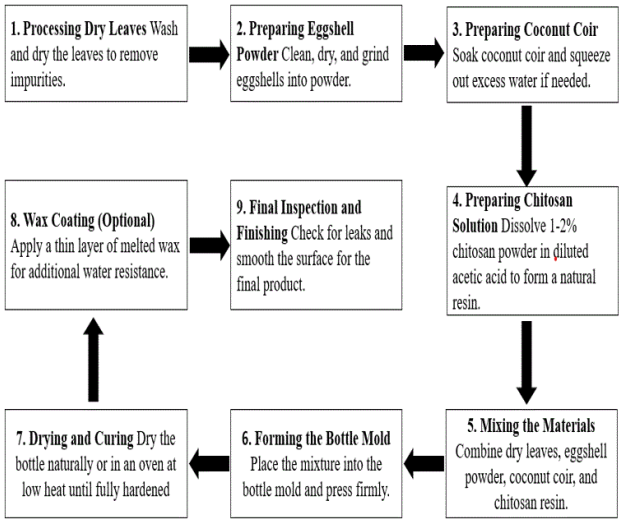
21: 2025/06387. 22: 2025/07/30. 43: 2026/02/26
51: B65D
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Kavitha Shanmugam, Thanisha Kannan, Swetha Muthusamy, Swathi Devasenapathi, Swetha Marirajan

54: A METHOD OF PREPARATION OF BIODEGRADABLE BOTTLE FROM DRY LEAVES

00: -

The present invention discloses a method of preparation of biodegradable bottle from dry leaves for reducing the usage of plastic bottle in the environment. The preparation method comprising the steps of: Collecting the one or more type of dry leaves; Washing and drying the leaves to remove the impurities; Preparing the eggshell powder by means of cleaning, drying and grinding the collected eggshell; Preparing of coconut coir by means of soaking of coir and squeezing it out the excess water; Dissolving of 1-2% chitosan powder in diluted acetic acid to form a natural resin; Mixing of dry

leaves, egg shell powder, coconut coir and chitosan resin for preparing the mixture; Forming the bottle mould; Placing the said mixture into the bottle mould and pressing it firmly; Drying the bottle naturally or in an oven at low temperature until fully hardening; and, Applying a thin layer of melted wax over the bottle for providing the water proof coating. The present invention will reduce the usage of harmful plastic bottles in an effective manner.

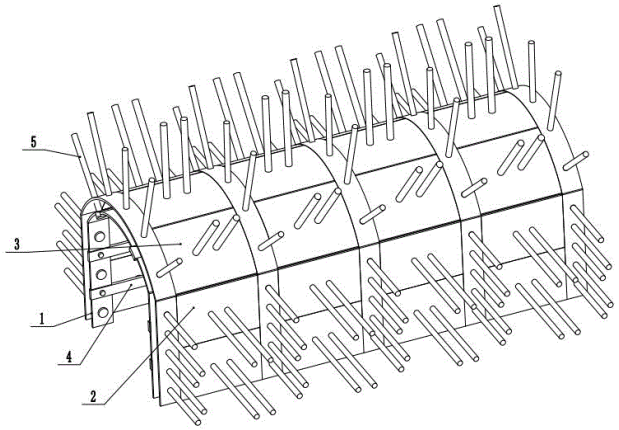


21: 2025/06388. 22: 2025/07/30. 43: 2026/02/26
51: E21D
71: Jiangsu Vocational Institute of Architectural Technology
72: YANG Ning, ZHANG Haoze, ZHAO Meixia, GUO Dongqin

54: A LARGE DEFORMATION CONTROL DEVICE AND CONTROL METHOD FOR SURROUNDING ROCK IN HIGH-STRESS MINE ROADWAYS

00: -

The present invention discloses a large deformation control device and control method for surrounding rock in high-stress mine roadways. The device includes a support module and a protection module. The support module consists of a top support module and side support modules, with buffer mechanisms installed inside. The top support module and side support modules are adjustably connected through a rotational adjustment mechanism. The protection module is positioned between the outer support plates of the two support modules, and a limiting device is installed between the inner support plates. Anchor rods are inserted through both the support module and the protection module, with their outer ends fixed to the surrounding rock of the roadway. The buffer mechanism of the present invention serves to cushion and relieve stress, reducing damage to the device, enhancing protection effectiveness, and lowering maintenance costs. The protection module prevents soil from falling in the protected space, providing auxiliary protection. The limiting device facilitates the fixation of multiple inner support plates, preventing deformation. This structure improves installation convenience through splicing and is easy to transport.



21: 2025/06389. 22: 2025/07/30. 43: 2026/02/26
51: C02F
71: SHANDONG FANGDA ENGINEERING CO., LTD
72: JIA, Zhenqing, ZHENG, Weibo, SU, Yuanwei, TIAN, Xinliu, PENG, Zuling, TIAN, Lei, LU, Hongbin, YAN, Fei, LI, Yingbin, LIANG, Qingyu
33: CN 31: 202411684724.2 32: 2024-11-22

54: WASTE WATER TREATMENT SYSTEM FOR BUILDING CONSTRUCTION

00: -

The present invention relates to a waste water treatment system for building construction. The system includes a reaction tank, an aeration assembly, a flow divider and a base. The aeration assembly includes a lower aeration unit and an upper aeration unit. The flow divider includes an outer cylinder, at least one inner cylinder, and a central column. Inner tooth portions are formed on inner circumferential surfaces of the outer cylinder and the inner cylinders, and outer tooth portions are formed on outer circumferential surfaces of the inner cylinders and the central column. Intervals are formed between tips of the inner tooth portions and

the outer tooth portions and the opposite circumferential surfaces. Aeration pipe openings of the aeration units are distributed above and below of the flow divider respectively.

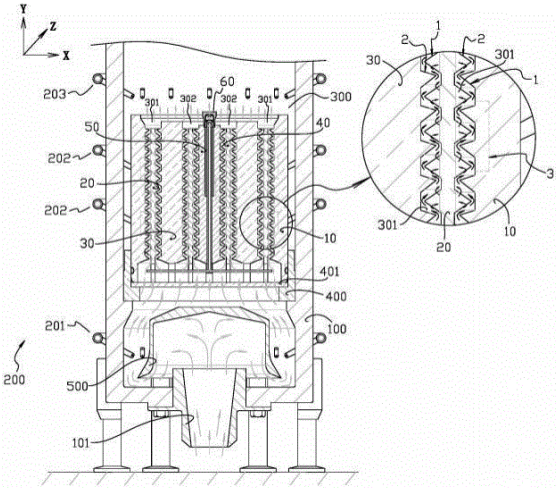
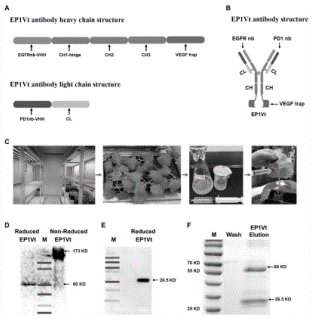


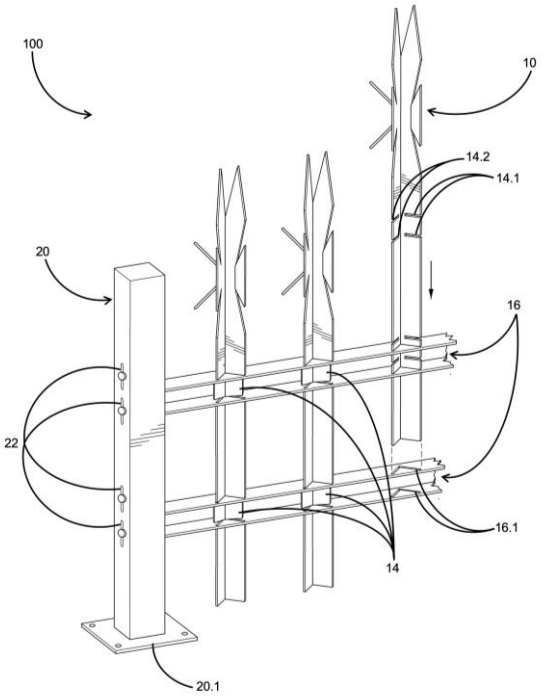
FIG. 1

21: 2025/06390. 22: 2025/07/30. 43: 2026/02/26
51: C05F; C07H
71: CELLBURST (PTY) LTD
72: GOOSEN, Neill Jurgens, POTT, Robert William McClelland, MAMPANA, Richard Leseja
33: ZA 31: 2024/05853 32: 2024-07-30
54: VALORISATION OF INDUSTRIAL KELP
00: -
Oligosaccharides are extracted from seaweed biomass by solubilisation of oligosaccharides directly from the seaweed biomass by hydrolysing the seaweed biomass with ascorbic acid.

21: 2025/06392. 22: 2025/07/30. 43: 2026/02/26
51: C07K
71: Valterra Platinum Marketing Limited
72: YANG, Ming, SU, Yingying, FANG, Mingli, CHEN, Duoduo, GAO, Haicheng
54: ANTI-TUMOR MULTISPECIFIC ANTIBODY TARGETING EGFR/PD1/VEGF AND PREPARATION METHOD THEREOF
00: -
The invention discloses an innovative anti-tumor multispecific antibody targeting Epidermal Growth Factor Receptor (EGFR), programmed death protein 1 (PD 1) and Vascular Endothelial Growth Factor (VEGF), and an efficient preparation method thereof. The antibody can be accurately and simultaneously combined with three key tumor-related targets, namely EGFR, PD1 and VEGF, in a specific manner by virtue of a unique structural design. The compound inhibitor inhibits the growth and proliferation of tumor cells by blocking an EGFR signal channel, relieves the inhibiting effect of PD1 on immune cells to enhance the anti-tumor immune response of an organism, and inhibits VEGF-induced tumor angiogenesis at the same time, thereby cutting off the nutrient supply of tumors, exerting the synergistic effect of multiple targets, effectively inhibiting the growth, metastasis and recurrence of the tumors, and bringing a brand new hope for tumor treatment.

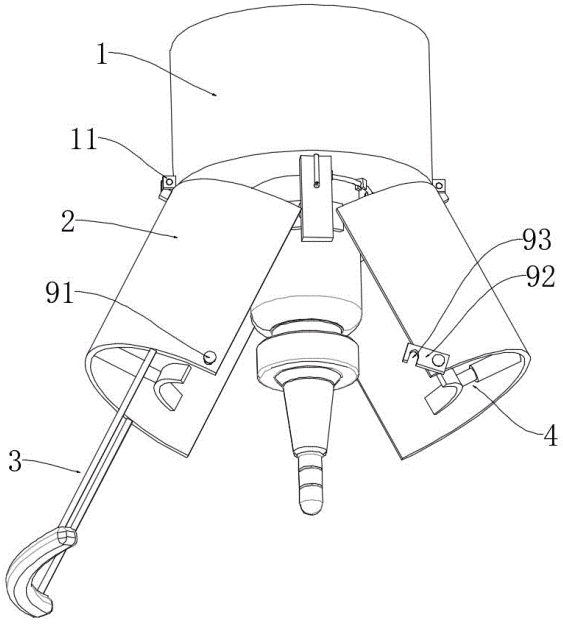


21: 2025/06393. 22: 2025/07/30. 43: 2026/02/26
51: E04H
71: MALAN, Francois
72: MALAN, Francois
54: FENCING
00: -
This invention relates to a fence. In particular, the invention relates to a fencing assembly which utilises fence pales configured to engage with crossmembers without the use of fasteners or welding, thereby simplifying installation and maintaining security. The fence assembly kit includes anchored posts on opposing ends of the fence panel, crossmembers extending horizontally between the posts, and deformable fence pales inserted into slots provided on the crossmembers to laterally support the inserted pales. Each fence pale includes deformation zones on the elongated body, which are deformable to alter the cross-sectional profile of the pale such that vertical withdrawal of the deformed pale from the crossmembers is prevented, thereby eliminating the need for fasteners or welding. The fence assembly kit further includes a bending tool configured to engage with the deformation zone of the pale and deform it by application of physical force.



21: 2025/06394. 22: 2025/07/30. 43: 2026/02/26
51: A61F
71: Mudanjiang Aier Ophthalmology Hospital Co., Ltd.
72: Yingmei Jiang, Yunfeng Li, Ran Gu
33: CN 31: 2024111819852 32: 2024-08-27
54: OPHTHALMIC CARE LIQUID DRIPPING DEVICE
00: -

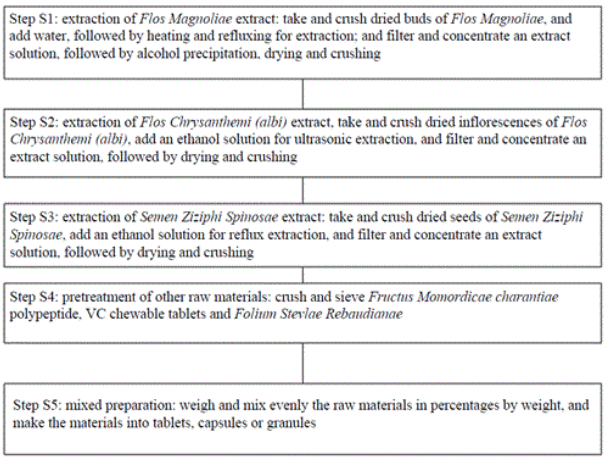
The invention belongs to the technical field of medical devices, and in particular to an ophthalmic care liquid dripping device, comprising a cylindrical base, wherein hinge supports are symmetrically and fixedly provided at both lower ends of the cylindrical base; semi-ring covers are hingedly provided on the hinge supports, and one of the semi-ring covers is fixedly provided at its lower end with an eyelid pressing mechanism; a clamping and positioning mechanism is fixedly provided at lower inner sides of the semi-ring covers; a memory alloy driven pressing mechanism is provided inside the semi-ring covers at a lower end of the cylindrical base; a switch slot is provided at a central upper end of the cylindrical base; a battery compartment is horizontally provided on one side of the cylindrical base; a touch switch is fixedly provided in the switch slot; a button battery is clamped in the battery compartment; a gravity horizontal triggering power supply module is provided between the memory alloy driven pressing mechanism. The dropper tip can be precisely aligned with the conjunctival sac through horizontal positioning; the eye drop operation can be easily completed via a touch switch; a dual-safety triggering mechanism combining horizontal positioning and touch control is employed to prevent accidental operation.



21: 2025/06395. 22: 2025/07/30. 43: 2026/02/26
51: A61K
71: Hebei Keyi Hospital Management Co., Ltd
72: Lei, Yongquan
33: CN 31: 2025110461110 32: 2025-07-29
54: TRADITIONAL CHINESE PATENT MEDICINE FOR TREATING RHINITIS AND PREPARATION METHOD THEREFOR
00: -

The present invention provides a traditional Chinese patent medicine (TCPM) for treating rhinitis and a preparation method therefor, falling within the technical field of traditional Chinese medicine. The TCPM is prepared from Flos Magnoliae extract, Flos Chrysanthemi (albi) extract, Semen Ziziphi Spinosae extract, Fructus Momordicae charantiae polypeptide, vitamin C (VC) chewable tablets and Folium Stevlae Rebaudianae in percentages by weight. The preparation method includes: extracting a Flos Magnoliae extract, a Flos Chrysanthemi (albi) extract, and a Semen Ziziphi Spinosae extract, and

pretreating other raw materials, followed by mixing and making into tablets, capsules or granules. In the present invention, based on the chief-deputy-assistant-guide theory in traditional Chinese medicine, the effect of treating rhinitis is realized through the effects of Flos Magnoliae in clearing nasal orifices and dispelling cold, the effects of Flos Chrysanthemi (albi) in clearing away heat and toxic materials, dispelling wind and dissipating heat, and the synergistic effects of Semen Ziziphi Spinosae, Fructus Momordicae charantiae polypeptide, VC and Folium Stevlae Rebaudianae. The TCPM has the characteristics of simple formula, remarkable curative effect and high safety, and is suitable for the treatment of allergic rhinitis and chronic rhinitis.

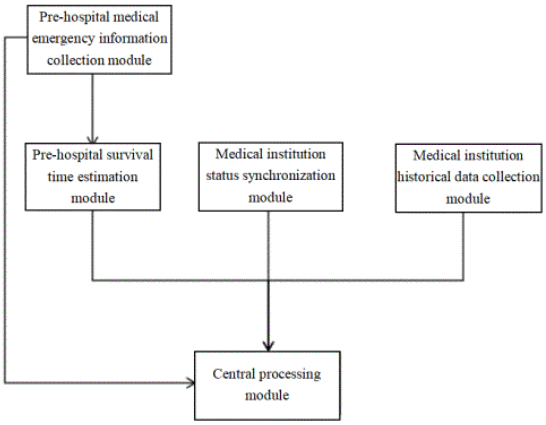


21: 2025/06396. 22: 2025/07/30. 43: 2026/02/26
51: G06Q
71: Zhongwei People's Hospital
72: Wenjuan Li, Jia Wang, Guoxia Fan, Jing Wang, Xiaoli Chen

54: EMERGENCY RESPONSE MANAGEMENT SYSTEM FOR PUBLIC HEALTH INCIDENTS BASED ON BIG DATA

00: -

An emergency response management system for public health incidents based on big data evaluates the pre-hospital survival time of patients and the type of vehicles required by patients through a pre-hospital survival time estimation module. A central processing module adopts an ambulance dispatching genetic algorithm model to formulate a target ambulance dispatching plan with the goal of minimizing the number of pre-hospital deaths, thereby improving the overall dispatching efficiency. It also uses a public health incident referral genetic algorithm model to formulate a target referral plan with the goal of minimizing the maximum emergency occupancy rate to prevent medical resource crunch. The invention realizes emergency response management that aims to minimize the number of pre-hospital deaths and can prevent medical resource crunch by combining the attention mechanism, multi-task learning, and genetic algorithm.



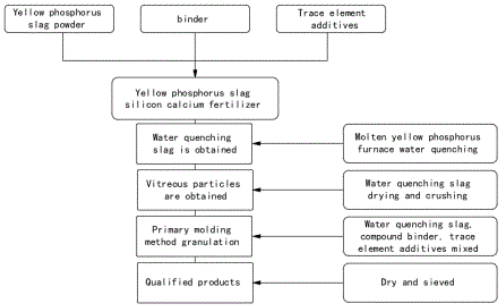
21: 2025/06397. 22: 2025/07/30. 43: 2026/02/26
51: C05G
71: Hainan Xunneng Technology Co., Ltd.
72: Wei Wang

54: A SILICON-CALCIUM FERTILIZER BASED ON YELLOW PHOSPHORUS SLAG AND ITS PREPARATION METHOD

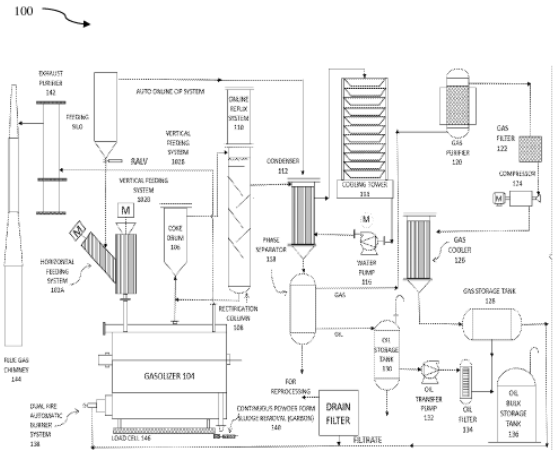
00: -

The invention discloses a silicon-calcium fertilizer based on yellow phosphorus slag and a preparation method thereof. The fertilizer comprises the following components: water-quenched yellow phosphorus slag powder, a binder, and a trace element additive. The effective silica content of the silicon-calcium fertilizer is greater than or equal to 28%, the effective calcium oxide content is greater than or equal to 35%, the fluorine content is less than or equal to 0.1%, and the pH value is 8-10. The invention also discloses the application of the silicon-calcium fertilizer in improving acidic soil or rice cultivation. The preparation method includes the following steps: S1: subjecting molten yellow phosphorus slag to water quenching for rapid cooling to obtain water-quenched slag; S2: drying and crushing the water-quenched slag obtained in S1; S3: mixing the crushed water-quenched slag with a composite binder and trace element additive,

and granulating using a one-step molding method; S4: drying and sieving the granulated product. Compared with the prior art, the advantages of the invention are as follows: it provides a convenient-to-use silicon-calcium fertilizer with specific effective component contents and physicochemical properties, using water-quenched yellow phosphorus slag powder as the main raw material, which can effectively improve acidic soil and promote the growth of crops such as rice, as well as its preparation method.

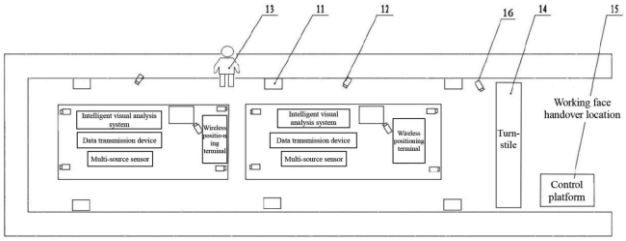


21: 2025/06402. 22: 2025/07/30. 43: 2026/02/26
51: C10G
71: INAMDAR, Mr. Nilesh
72: INAMDAR, Mr. Nilesh
33: IN 31: 202321078670 32: 2023-11-20
54: AN AUGMENTED PROCESS OF CONVERTING A POLYMER TO HYDROCARBON PRODUCTS
00: -
The present disclosure discloses an assembly of an augmented attachments integrated with the process for converting a polymer to one or more hydrocarbon products and the process thereof. The said assembly aims to improve the process efficiency by suitably modifying and introducing new components to the said assembly as compared to existing similar process or technologies in the market.

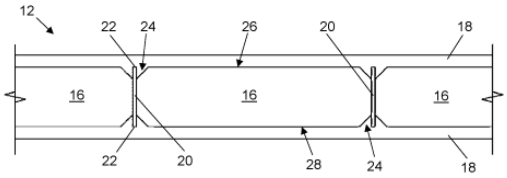


21: 2025/06419. 22: 2025/07/30. 43: 2026/02/26
51: E21F
71: SHANXI TIANDI COAL MINING MACHINERY CO., LTD., CCTEG TAIYUAN RESEARCH INSTITUTE CO., LTD.
72: GAO, Xubin, DU, Chunhui, HUO, Yaobin, YANG, Kai, XUE, Shuqiang, GUO, Yonghui, XIE, Cheng, YIN, Dongxu, WANG, Qiang, GAO, Yuan, XU, Lianbing, CAO, Jianwen, JIANG, Ming, JIN, Xueqi, HU, Wenfang
33: CN 31: 2024105771682 32: 2024-05-10
54: WORKING FACE HUMAN-MACHINE COLLABORATIVE OPERATION SAFETY MONITORING AND EARLY WARNING SYSTEM AND METHOD
00: -
The present disclosure belongs to the field of multi-equipment safety management and control for personnel and equipment clusters at underground coal mine heading faces, which solves the problem of safety risks arising from human-machine collaborative operations due to the improved mechanization level of underground equipment. Provided are a working face human-machine collaborative operation safety monitoring and early warning system and method. The system includes a working face mobile equipment safety management and control system, configured to perform real-time perception of the position, orientation, and environment of each single equipment unit, and analysis of driver behaviors; working face collaborative intelligent wearable devices, configured to perform a perception of an environment around workers and the single equipment unit and acquire motion postures of the workers in real time; and a working face output control subsystem, configured to

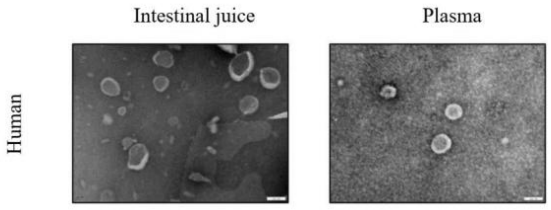
perform entry and exit identification management for the workers, position monitoring for the workers and the single equipment unit, worker behavior recognition and monitoring and working environment monitoring, and generate corresponding alarm instruction information. The present disclosure achieves safety management and control between personnel and equipment, and between equipment during multi-equipment collaborative operations in heading faces.



21: 2025/06420. 22: 2025/07/30. 43: 2026/02/26
51: E04C
71: CITRA GROUP AG
72: BAUR, Joel, BÜELER, Benno, GRAF, Andreas
33: ZA 31: 2023/08056 32: 2023-08-21
33: GB 31: 2301325.3 32: 2023-01-30
54: STRUCTURE AND CONSTRUCTION METHOD
00: -
A core wall structure is assembled by attaching together elements of lightweight thermal insulation material (16) and elements of mineral board (20), positioned between them to serve as webs (20) at spaced intervals. Opposing edges (22) of the webs (20) are exposed on outer surfaces (26,28) of the core wall structure, with recesses (24) around them. Skins (18) of cement-based plaster are applied to the outer surfaces (26,28) to cover the core wall structure at least in part and to embed the exposed edges (22) of the webs (20) at least in part in the cement-based plaster.

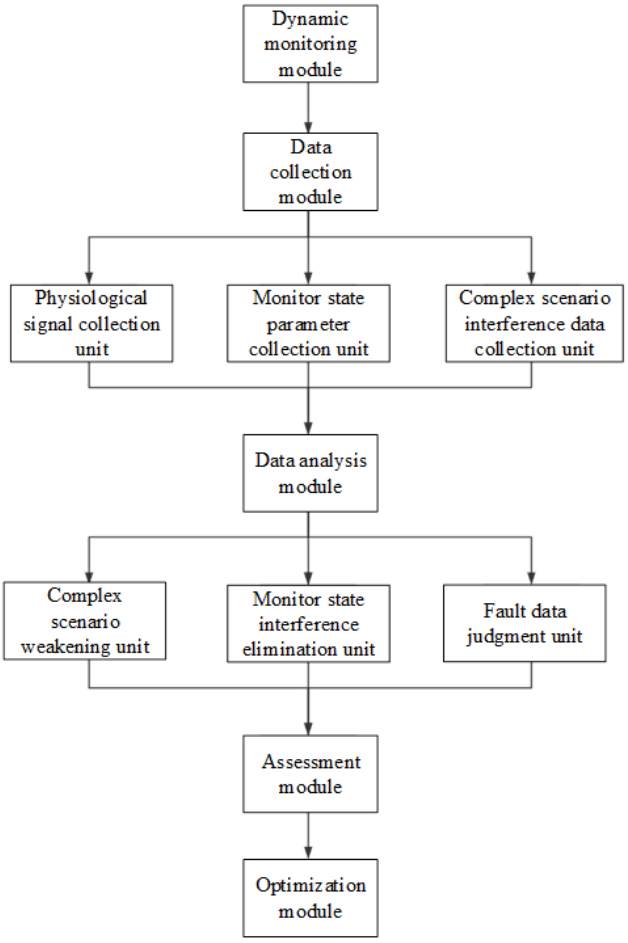


21: 2025/06434. 22: 2025/07/28. 43: 2026/02/26
51: G01N
71: THE THIRD PEOPLE`S HOSPITAL OF CHENGDU
72: LIU, Lei, GUO, Yuanbiao, LI, Yan, SUN, Xiaobin, FAN, Ruiling, YANG, Jingwei
33: CN 31: 202411835782.0 32: 2024-12-13
54: MARKER, ASSAY REAGENT AND KIT FOR GASTRIC JUICE EXOSOMES, AND APPLICATION
00: -
The present invention relates to the technical field of biology, in particular to a marker, a detection reagent and a kit for gastric juice exosomes, and an application, and the marker for gastric juice exosomes is at least one of TFF2 protein and AKR1B10 protein. The specific biomarker of the gastric juice exosome is screened out, and an identification basis is provided for stomach disease diagnosis based on the exosome.



21: 2025/06435. 22: 2025/07/28. 43: 2026/02/26
51: A61B
71: THE FIRST AFFILIATED HOSPITAL OF SOOCHOW UNIVERSITY
72: XIAO, Chengjiao, BI, Guorong, WANG, Gang, XU, Qiya, YANG, Xiu, YANG, Yufan, JI, Fuhai, PENG, Ke, LIU, Huayue, SHAN, Xisheng, MENG, Xiaowen, ZHAO, Weiming, WANG, Yichan
54: FAULT DIAGNOSIS SYSTEM FOR INTELLIGENT ARTERIAL BLOOD PRESSURE MONITOR
00: -
The present invention relates to the technical field of medical apparatuses and intelligent diagnosis, and discloses a fault diagnosis system for an intelligent arterial blood pressure monitor. The fault diagnosis system includes a dynamic monitoring module, a data collection module, a data analysis module, an assessment module, and an optimization module. The dynamic monitoring module is configured for real-time monitoring of an operating state of the intelligent arterial blood pressure monitor. The data collection module is configured to acquire various types of parameter information monitored during a working process of the dynamic monitoring module and protect the collected data through an encryption algorithm. The data analysis module is configured to

calculate a monitor state deviation degree Yv, a complex scenario influence coefficient Fz, and a fault warning index Sj. The assessment module is configured to assess the operating state of the intelligent arterial blood pressure monitor based on the fault warning index Sj, and perform warning grading based on an assessment result. The optimization module is configured to automatically adjust and optimize a system parameter based on the assessment result. The above modules cooperate with one another to ensure stable operation of the intelligent arterial blood pressure monitor in complex environments.

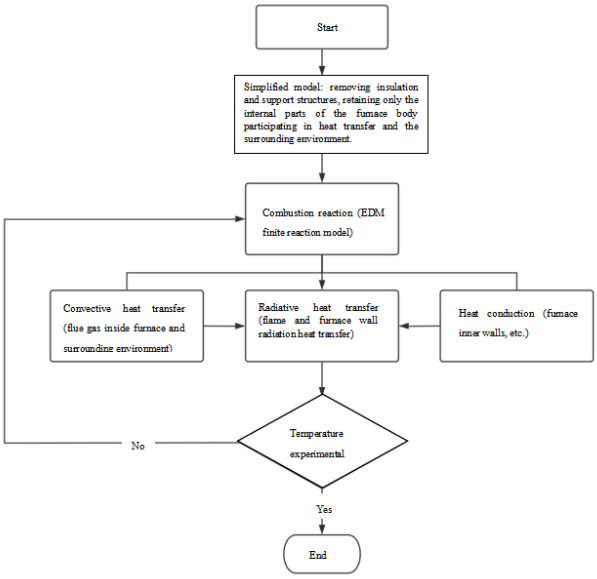


21: 2025/06436. 22: 2025/07/28. 43: 2026/02/26
51: G06Q
71: University of Electronic Science and Technology of China, Zhongshan Institute
72: Li Zhang, Jianting Zhang
33: CN 31: 2025109775530 32: 2025-07-15

54: NUMERICAL SIMULATION METHOD FOR HEAT TREATMENT FURNACES

00: -

The present invention belongs to the field of numerical simulation technology and discloses a numerical simulation method for heat treatment furnaces, comprising: performing simulation modeling on an actual heat treatment furnace to obtain a heat treatment furnace model, then simplifying the heat treatment furnace model to obtain a simplified model; simulating the combustion reaction process of the simplified heat treatment furnace model while coupling multiple heat transfer modes inside the furnace and in the surrounding environment to perform numerical simulation and obtain simulation data, wherein the simulation data includes temperature field data and flow field distribution data inside the furnace; conducting experimental tests on the temperature field and flow field distribution inside the actual heat treatment furnace to obtain experimental data, comparing the experimental data from preset temperature measurement points with simulation data under same conditions, and re-running the simulation if the results differ, or concluding the simulation if the results match. The technical solution of the present invention comprehensively considers multiple heat transfer methods, making it closer to actual conditions.



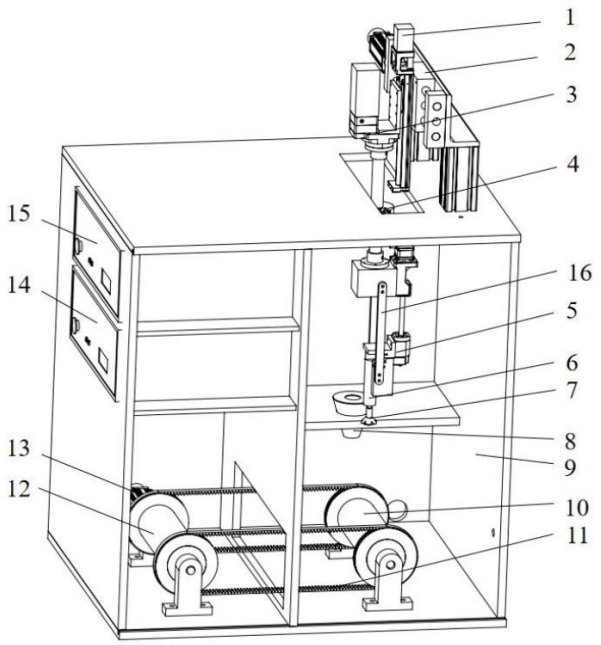
21: 2025/06437. 22: 2025/07/28. 43: 2026/02/26
51: D01D
71: Tiangong University

72: Liu Jian, Wang Chenghao, Dong Shoujun, Liu Yongru, Pan Shanshan

54: A YARN PREPARATION DEVICE AND METHOD OF ELECTROSPINNING NANOFIBER BY SELF-ROTATING

00: -

The invention provides a yarn preparation device and method of electrospinning nanofiber by self-rotating belonging to the field of nanometer fiber preparing technology. It includes an electrospinning nozzle, which is installed at the injection end of the solution injector. The propulsion end of the solution injector is connected to the solution suction and push mechanism. The liquid is sucked and ejected through the drive of the solution suction and push mechanism. The electrospinning nozzle self-rotating mechanism drives the solution suction and push mechanism, solution injector and electrospinning nozzle to rotate; the electrospinning nozzle self-rotating mechanism is installed on the electrospinning nozzle lifting mechanism, and the electrospinning nozzle lifting mechanism is installed on the electrospinning nozzle traverse mechanism; a yarn receiving roller is provided below the electrospinning nozzle. The electrospinning nozzle of the present invention cooperates with the electrospinning nozzle traverse mechanism, the electrospinning nozzle self-rotating mechanism and the yarn receiving roller to realize self-rotating twisting and direct yarn formation, so as to ensure the original functions and inherent advantages of nanofibers.



21: 2025/06438. 22: 2025/07/28. 43: 2026/02/26

51: A01G

71: Hongyun Guo

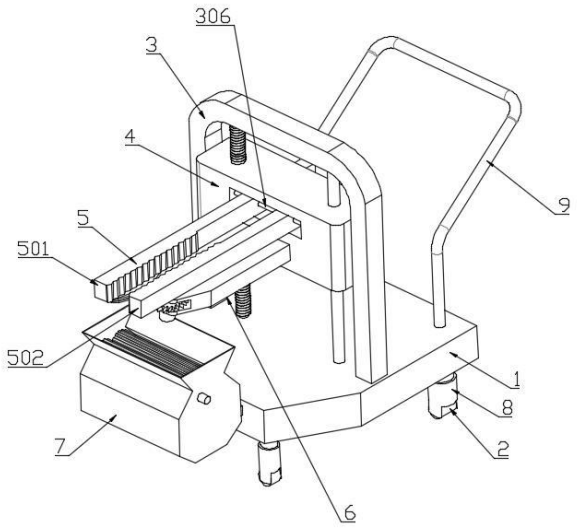
72: Hongyun Guo, Shanpu Han, Xuerong Huang, Xiaohua Li, Dan Rong, Qianting Xu, Zhirui Zeng, Zhaokun Guo

54: MULBERRY TREE PRUNING MACHINE

00: -

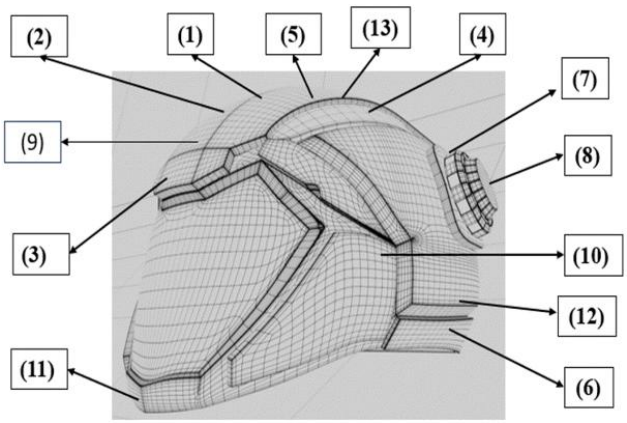
The present invention discloses a mulberry tree pruning machine, comprising a base, wherein walking wheels are respectively provided at the four corners of the bottom of the base, a vertical adjustment mechanism is provided at the upper part of the base, and a moving block is cooperatively provided on the vertical adjustment mechanism. The moving block is provided with a branch clamping component and a pruning component, and a branch crushing component is provided at the lower part of the pruning component; The present invention integrates vertical adjustment, horizontal clamping, cutting, and crushing functions to achieve automation of the entire process of positioning, clamping, cutting, and crushing, without the need for manual transfer of branches, resulting in high efficiency; The design of bidirectional screws and electric telescopic rods is suitable for different tree heights and terrains; Anti slip raised board enhances clamping stability, especially suitable for the soft and slippery characteristics of mulberry branches; The crushing component directly crushes the branches into debris, which can be directly returned to the field or used

as biomass raw materials to avoid environmental pol lution caused by the accumulation of branches after t raditional pruning.



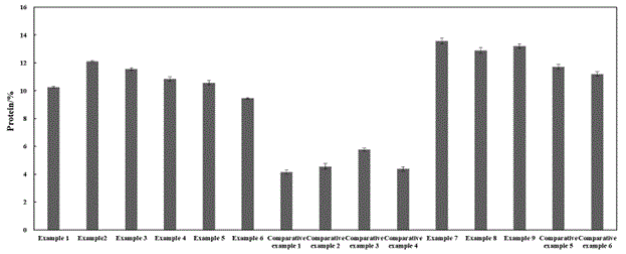
21: 2025/06439. 22: 2025/07/28. 43: 2026/02/26
51: C05G
71: Suzhou University
72: Yaofang Wang, Weihong Lu
54: GROWTH REGULATOR FOR ENHANCING LOW-TEMPERATURE RESISTANCE IN PEPPER PLANTS
00: -
A growth regulator for enhancing the low-temperature resistance of pepper plants, wherein comprises the following raw materials in parts by weight: 5-8 parts of trehalose, 3-5 parts of glycine betaine, 0.01-0.03 parts of nano-selenium, 0.005-0.01 parts of melatonin, 2-4 parts of proline, 1-2 parts of polyglutamic acid, 0.05-0.1 parts of ammonium molybdate, a surfactant, and 81-88 parts of deionized water, the preparation method comprises the following steps: the growth regulator for improving low-temperature resistance in pepper plants provided by the invention can significantly enhance the adaptability of pepper plants under low-temperature stress. This regulator can effectively protect the structural integrity of cell membranes, improve the activity of antioxidant enzymes, and enhance osmotic regulation functions, thereby improving the physiological condition of pepper plants in low-temperature environments. This formulation has multiple target sites and stable efficacy, can significantly increase the survival rate of pepper plants under low-temperature conditions, promote normal growth and development, and markedly improve fruit-setting rate and fruit quality, it provides reliable technical support for pepper cultivation in cold regions and off-season planting.

21: 2025/06440. 22: 2025/07/28. 43: 2026/02/26
51: A42B
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: AMSA MURUGESAN, NARESH DHARMARAJ, MUKESH MANORANJITHAN, NITHISHA BALAKRISHNAN, MONISHA RAMALINGAM
54: A HELMET BASED DRIVING CONTROL AND ACCIDENT PREVENTION SYSTEM FOR TWO-WHEELER VEHICLE
00: -
The present invention discloses a helmet based driving control and accident prevention system (14) for two wheeler vehicle. The said system comprises a pressure sensor (1) and IR sensor (2) verify helmet usage, allowing the bike's ignition to activate only when the helmet is worn. The Accelerometer (4), gyroscope (5), and vibration sensors (6) continuously monitor accident conditions, triggering an emergency alert system that sends the rider's GPS (7) location via a GSM (8) module if no response is detected. The helmet features a rear vehicle detection system running on an NVIDIA board to identify approaching vehicles. The said feature detects turn indicators via infrared sensors (2), providing real-time haptic feedback vibrations on the corresponding side to alert the rider. The buzzer and optional heads-up display enhance situational awareness, while a rechargeable battery (9) ensures uninterrupted operation. The present invention executes the real-time safety enhancements for significantly improving two-wheeler rider protection.



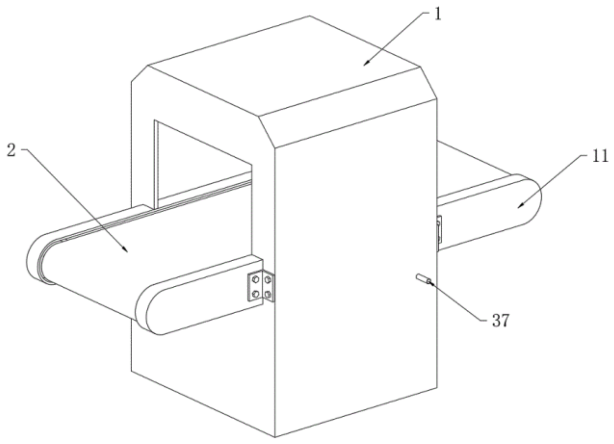
21: 2025/06450. 22: 2025/07/31. 43: 2026/02/27
51: A23L
71: CIIMBIO (SUZHOU) Co., Ltd.
72: Songlin Yang, Junhu Li
54: PREPARATION METHOD FOR ENZYMOLYSIS-BASED GINKGO FRUIT CONCENTRATES AND APPLICATION THEREOF
00: -

The present invention provides a preparation method and application for enzymolysis-based ginkgo fruit concentrates (GFCs), including liquid, powdered and microencapsulated forms. The method involves: curing ginkgo fruits, grinding into powder, and adding water and enzymes for enzymolysis, followed by high-temperature enzyme inactivation, filtration, concentration and sterilization to yield a liquid GFC; drying the liquid GFC to yield a powdered GFC; and adding sodium alginate, stachyose, and edible oil to the powdered GFC, grounding in a colloid mill, homogenizing under high pressure, and drying to yield a microencapsulated GFC. These concentrates are rich in protein and possess antioxidative, anti-inflammatory, and free radical scavenging properties, making them suitable for developing ginkgo-based foods, pharmaceuticals, or health care products. The present invention advances the ginkgo industry from primary to advanced processing, enhancing market competitiveness through increased active ingredient content, significantly promoting industry chain extension and upgrade.

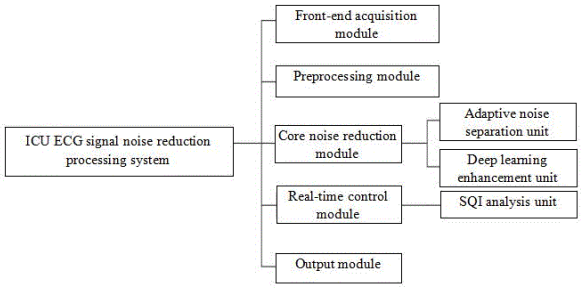


21: 2025/06451. 22: 2025/07/31. 43: 2026/02/27
51: F16M
71: Hefei Technology College
72: Yang Jinxin, Wang Cen, Zhao Hong, Fu Xiaolan, Wang Huan
54: A BIG DATA-BASED TOURISM SERVICE DEVICE
00: -

The invention discloses a tourism service device based on big data, which relates to the technical field of security inspection equipment. It includes a security inspection machine shell and a conveyor belt bracket. The conveyor belt bracket is installed on the security inspection machine shell, a conveyor belt is arranged on the conveyor belt bracket, and an X-ray imager is installed on the top inner wall of the security inspection machine shell; a cleaning mechanism, which is installed at the bottom of the conveyor belt bracket and used to clean the surface of the conveyor belt. The cleaning mechanism includes a first cleaning box, a second cleaning box and two motors. The first cleaning box is installed at the bottom of the conveyor belt bracket, and an air cylinder is installed on the side wall of the security inspection machine shell and below the conveyor belt. The invention is provided with the cleaning mechanism, which can clean the surface of the conveyor belt during the process of security inspection of luggage and packages by the security inspection machine, provide a clean conveyor belt for subsequent tourists' luggage and packages, prevent stains on the luggage and packages of previous tourists from adhering to the luggage and packages of subsequent tourists, and improve the quality of tourism services.



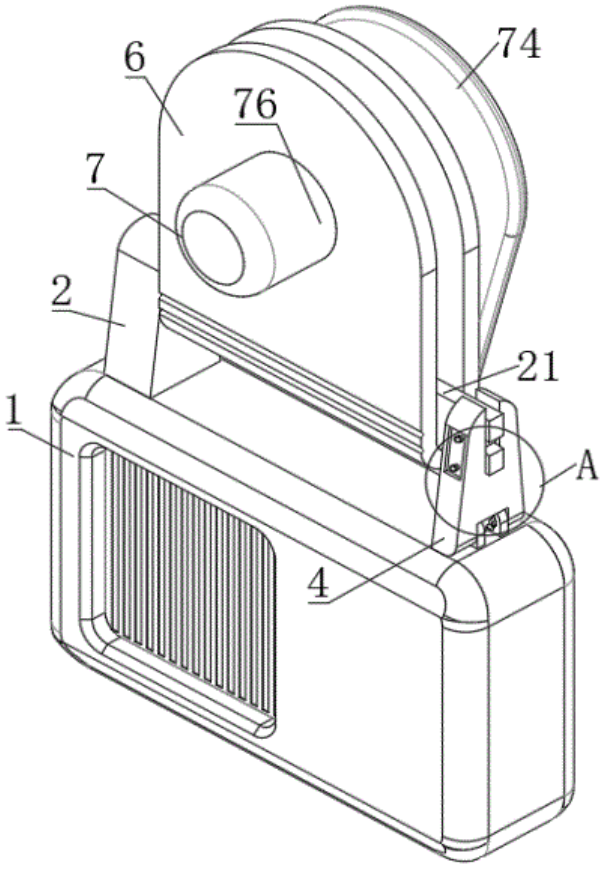
21: 2025/06452. 22: 2025/07/31. 43: 2026/02/27
51: A61B
71: Shanxi Fenyang Hospital
72: Yanmei Zhang
54: ICU ECG SIGNAL NOISE REDUCTION PROCESSING SYSTEM
00: -
An ICU ECG signal noise reduction processing system is designed with a multi-module collaborative denoising architecture for complex medical environments, including: a front-end of the system uses differential electrodes and electromagnetic shielding wires, and integrates an RLD circuit to suppress power frequency interference; a preprocessing module configures a 0.05Hz-150Hz band-pass filter and dynamic threshold detection to filter out myoelectric noise, baseline drift, and motion artifacts; a core noise reduction module integrates improved independent component analysis (ICA) algorithm and a lightweight a lightweight convolutional neural network (CNN, with parameters less than 500KB). The former realizes dynamic noise separation based on the ICU noise feature library, while the latter enhances residual noise removal through training with real noise data; a real-time control module introduces signal quality index (SQI) analysis to automatically switch between strong and weak noise reduction strategies (ICA + CNN is enabled when SQI < 0.6, and only the filter is used when SQI > 0.85). The system hardware adopts an STM32H743 main controller and a 24-bit ADC, supporting 10ms-level real-time processing. It is also equipped with an anti-interference PCB layout, which can seamlessly interface with the hospital information system (HIS), and is suitable for high-precision ECG monitoring in ICU intensive care scenarios.



21: 2025/06453. 22: 2025/07/31. 43: 2026/02/27
51: A01C; C05F
71: SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
72: ZHAO, Xu, SONG, Jiping, YANG, Ning, WANG, Xiao
54: ISOLATED CULTIVATION METHOD OF ORGANIC NUTRIENT SOIL SUITABLE FOR VEGETABLE PLANTING
00: -
The present application discloses an organic nutrient soil suitable for vegetable planting, including raw materials for preparation in parts by weight: 70-100 parts of crop waste, 20-35 parts of garden soil, 10-20 parts of clay, 10-15 parts of livestock and poultry manure and 2-4 parts of a bacterial agent. The present application further discloses an isolated cultivation method using the organic nutrient soil, which makes reasonable use of agricultural waste, provides a suitable soil environment and rich and balanced nutrient components for crop growth and development, not only reduces costs, but also minimizes a large amount of resource waste. The method is simple, convenient and easy to operate, and is conducive to widespread popularization and improvement of agricultural production efficiency.

21: 2025/06454. 22: 2025/07/31. 43: 2026/02/27
51: A01K
71: Tibet Qingyang Agricultural Technology Co., Ltd.
72: Li Shuhua, Zhu Dianlan
33: CN 31: 2025215060352 32: 2025-07-17
54: ELECTRONIC EAR TAG FOR PLATEAU ANIMAL HUSBANDRY
00: -
The invention relates to the technical field of animal husbandry, in particular to an electronic ear tag for plateau animal husbandry, which comprises an

electronic ear sample, wherein the top of the electronic ear sample is fixedly provided with an L-shaped plate; the top of the electronic ear sample is rotatably installed with a clamping seat through a hinge assembly; the upper end of the clamping seat is movably connected with the right end of the transverse plate of the L-shaped plate through the clamping assembly; when the circuit board and other assemblies in the electronic ear sample fail, two groups of columnar buttons can be simultaneously pressed by pinching the two sides of the clamping seat to release the clamping of the clamping seat, so that the clamping seat can be rotated to separate the rubber plate from the L-shaped plate, and the electronic ear sample can be detached separately for replacement without disassembling the male and female buckle assemblies fixed on the animal ear, which is convenient to disassemble and can effectively avoid touching and damaging the animal ear during disassembly.

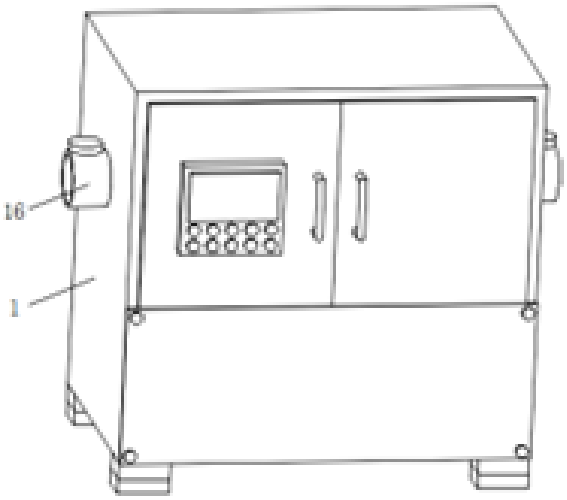


21: 2025/06462. 22: 2025/07/31. 43: 2026/02/27
51: A01C
71: YIBIN UNIVERSITY
72: LI, Jia, GOU, Caiming, ZHANG, Litian, TAN, Zhaoyun, CHEN, Bo

54: CORN SEED VITALITY DETECTION DEVICE

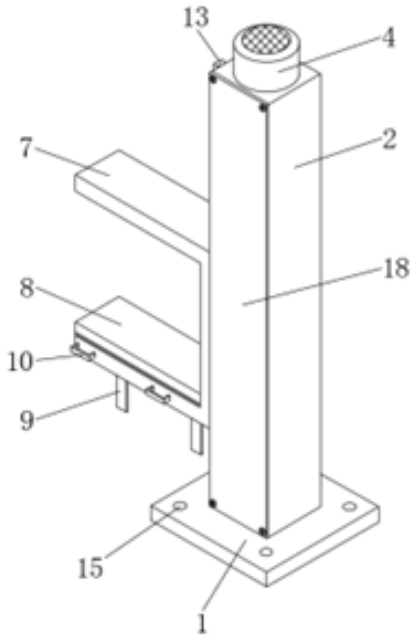
00: -

The invention discloses a device for detecting the vitality of corn seeds, relating to the field of seed germination and vitality testing. The device includes a germination box with a partition plate fixed to its inner bottom surface. A rotatable column is mounted centrally via a bearing, with its top connected to a positioning cylinder. A pin column is inserted into the inner surface of the positioning cylinder. A seed storage plate with seed storage holes holds soaked corn seeds. A reduction motor, driving gear, and driven gear enable horizontal rotation of the column, positioning cylinder, and seed plate. This design allows uniform repositioning of corn seeds during germination, ensuring consistent exposure to environmental conditions and improving germination efficiency. The system solves the problem of positional adjustment during germination and enhances seed vitality testing by providing controlled and adjustable conditions for multiple seeds simultaneously.



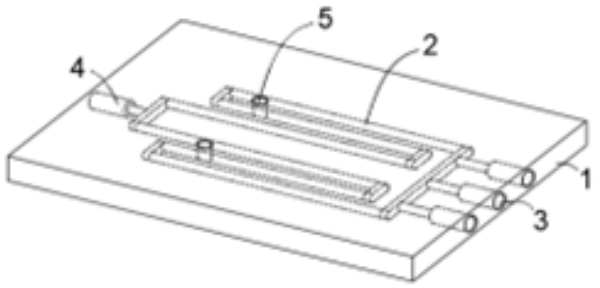
21: 2025/06463. 22: 2025/07/31. 43: 2026/02/27
51: A61H
71: ANYANG HOSPITAL OF TRADITIONAL CHINESE MEDICINE
72: ZHENG, Mingjuan, ZHU, Hua, ZHANG, Yandong

54: CHINESE MEDICINE ACUPUNCTURE POSITIONING DEVICE FOR TREATING PRURITUS SKIN DISEASES
00: -
Disclosed is a Chinese medicine acupuncture positioning device for treating pruritus-related skin diseases. The device includes a bottom plate connected to a driving box. A threaded rod is rotatably mounted inside the driving box, driven by a servo motor connected to its top. A rectangular plate and driving plate cooperate to enable vertical adjustment. The device features concave plates, protective pads, straps, and binding frames that securely position and support a patient's limbs during acupuncture, preventing unintended movement. This structure enhances safety and accuracy during treatment, meeting clinical needs while reducing risk. The servo-driven adjustment mechanism allows convenient and precise control of the limb support height, facilitating effective acupuncture positioning. The device improves treatment efficiency, reduces manual labor for caregivers or parents, and ensures that acupuncture is delivered accurately and comfortably. It's particularly suitable for use in medical settings focusing on skin disease therapies based on traditional Chinese medicine practices.



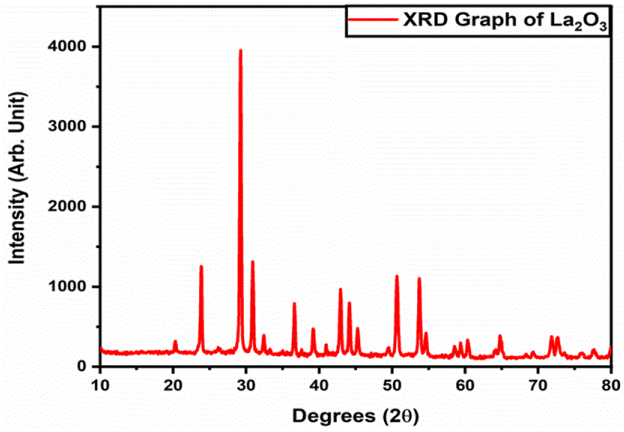
21: 2025/06464. 22: 2025/07/31. 43: 2026/02/09
51: A61K; C07K
71: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
72: MCLELLAN, Jason, HSIEH, Ching-Lin, RUSH, Scott, WANG, Nianshuang
33: US 31: 63/089,978 32: 2020-10-09
54: PREFUSION-STABILIZED HMPV F PROTEINS
00: -
Provided herein are engineered hMPV F proteins. In some aspects, the engineered F proteins exhibit enhanced conformational stability and/or antigenicity. Methods are also provided for use of the engineered F proteins as diagnostics, in screening platforms, and/or in vaccine compositions.

21: 2025/06465. 22: 2025/07/31. 43: 2026/02/27
51: B01L
71: DALIAN INTERNATIONAL TRAVEL HEALTHCARE CENTER (DALIAN CUSTOMS PORT CLINIC)
72: GE, Teng, LI, Siyao, LI, Xuejun, ZHAO, Liang
54: MICROFLUIDIC CHIP AND ITS PREPARATION METHOD
00: -
The invention discloses a microfluidic chip and its preparation method. The chip comprises a chip substrate with an internal fluid channel, featuring a sample inlet and outlet at each end, and a microstructure switching port on the top surface. The preparation method includes five steps: material preparation, 3D model design, printing, channel release, and encapsulation. Using photopolymerization-based 3D printing and IsT-VPP (Intelligent Spatiotemporal Voxel Projection Photopolymerization) technology, the process avoids traditional mold and bonding steps, enabling direct fabrication of microfluidic structures with sub-10μm resolution. The intelligent occlusion exposure method effectively prevents microchannel blockage. This approach significantly reduces design-to-manufacture cycle times and enhances production efficiency. The resulting microfluidic chips are suitable for biomedical analysis, chemical detection, and lab-on-chip applications, offering precision, reliability, and scalability in microvolume fluid handling.



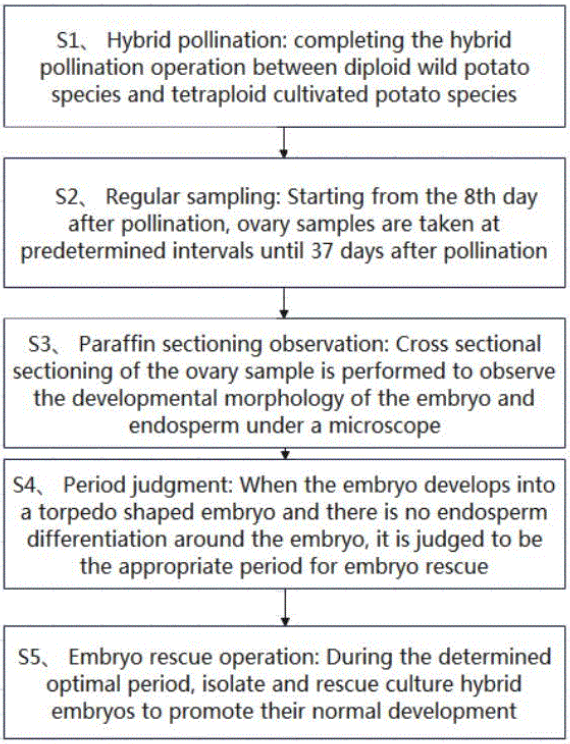
21: 2025/06466. 22: 2025/07/31. 43: 2026/02/09
51: A61K; C07K
71: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
72: MCLELLAN, Jason, HSIEH, Ching-Lin, RUSH, Scott, WANG, Nianshuang
33: US 31: 63/089,978 32: 2020-10-09
54: PREFUSION-STABILIZED HMPV F PROTEINS
00: -
Provided herein are engineered hMPV F proteins. In some aspects, the engineered F proteins exhibit enhanced conformational stability and/or antigenicity. Methods are also provided for use of the engineered F proteins as diagnostics, in screening platforms, and/or in vaccine compositions.

21: 2025/06467. 22: 2025/07/31. 43: 2026/02/27
51: C09K
71: KHODE, Praful P., CHARDE, Priyanka R., DURAGKAR, Arati, BISHNOI, Swati, NIKOLAY, Naumov G., DHOBLE, Sanjay J.
72: KHODE, Praful P., CHARDE, Priyanka R., DURAGKAR, Arati, BISHNOI, Swati, NIKOLAY, Naumov G., DHOBLE, Sanjay J.
54: A METHOD FOR SYNTHESIS OF LA2O3:EU3+ WHITE LIGHT EMITTING PHOSPHOR
00: -
The present invention relates to a method for synthesis of La2O3:Eu3+ white light emitting phosphor using an eco-friendly approach with orange juice as a precursor. Lanthanum nitrate and europium oxide are dissolved, mixed with varying concentrations of orange juice, and subjected to stirring, drying, and annealing processes. Characterization studies reveal distinct structural and morphological properties of the synthesized phosphors using X-ray diffraction (XRD) and scanning electron microscopy (SEM). Optical properties are evaluated through UV-visible and photoluminescence (PL) spectroscopy, demonstrating broad excitation and emission bands suitable for white light emission. The phosphors exhibit promising potential for applications in white LEDs and display devices, with optimization possibilities to enhance their photoluminescence efficiency and color rendering performance. This environmentally friendly synthesis method offers a sustainable approach for producing phosphors with tailored optical properties.

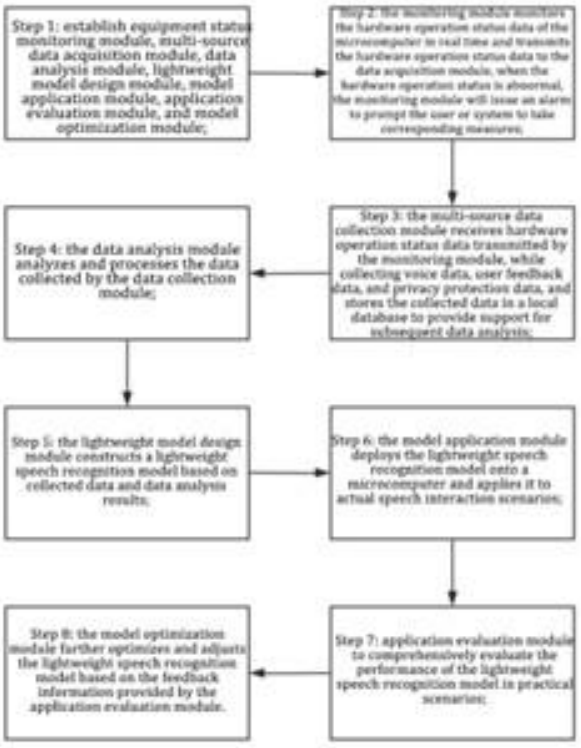


21: 2025/06468. 22: 2025/07/31. 43: 2026/02/27
51: A01G
71: Hebei North University
72: XIE Jiahui, LUO Yating, QI Lipan, WU Guili, WANG Kuan, FENG Yan, YIN Jiang
54: A METHOD FOR DETERMINING THE RESCUE PERIOD OF POTATO DISTANT HYBRID EMBRYOS
00: -
The present invention patent discloses a method for determining the rescue period of potato distant hybrid embryos, specifically related to the field of agricultural biotechnology. Including the following steps: S1. Hybrid pollination: completing the hybrid pollination operation between diploid wild potato species and tetraploid cultivated potato species; S2, Regular sampling: Starting from the 8th day after pollination, ovary samples are taken at predetermined intervals until 37 days after pollination; S3, Paraffin sectioning observation: Cross sectional sectioning of the ovary sample is performed to observe the developmental morphology of the embryo and endosperm under a microscope; S4, Period judgment: When it is observed that the embryo develops into a torpedo shaped embryo and there is no endosperm differentiation around the embryo, the appropriate

period for embryo rescue is judged. The technical solution of the present invention has solved the problem of breeding failure caused by embryo abortion during the hybridization process, and improved the success rate of potato distant hybridization.

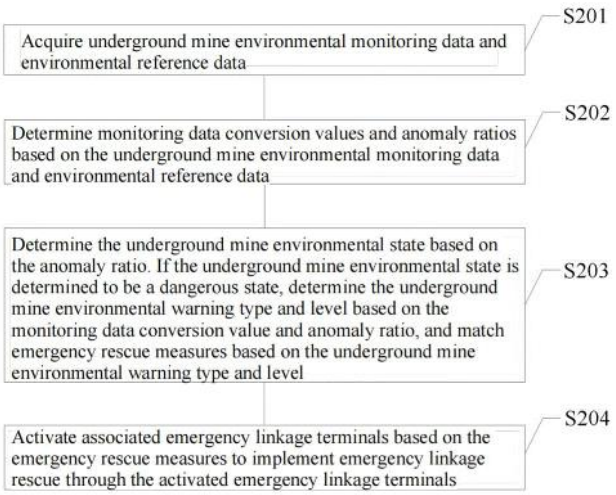


21: 2025/06469. 22: 2025/07/31. 43: 2026/02/27
51: G01L
71: XIANYANG NORMAL UNIVERSITY
72: KONG, Xiangyu, WANG, Zhen, ZHANG, Yonghong, WANG, Chunfeng
54: SPEECH RECOGNITION METHOD AND SYSTEM BASED ON MICROCOMPUTER
00: -
The invention discloses a speech recognition method and system based on a microcomputer, relating to artificial intelligence technology. The system comprises a device status monitoring module, multi-source data acquisition module, data analysis module, lightweight model design module, model application module, application evaluation module, and model optimization module. The monitoring module tracks real-time hardware status data from the microcomputer. The data acquisition module collects hardware status, voice inputs, user feedback, and privacy data. The data analysis module processes these inputs, and the lightweight model design module constructs a compact voice recognition model. The model application module deploys this model onto the microcomputer for use in real-world speech interaction. The application evaluation module assesses the model's performance, and the optimization module refines it based on feedback. The invention enables efficient, privacy-conscious speech recognition using limited computational resources, making it suitable for embedded AI systems and edge computing applications.



21: 2025/06470. 22: 2025/07/31. 43: 2026/02/27
51: E21F
71: Shandong Zeming Energy Technology Co., Ltd
72: LI, Xin, WANG, Tao, ZHANG, Mingming, LIU, Bingchao, GUO, Peng, SHI, Wenkang, LU, Yiyang
54: MINE GEOTECHNICAL ENGINEERING EMERGENCY LINKAGE MONITORING METHOD AND SYSTEM BASED ON PRECISE POSITIONING
00: -
The present invention discloses a mine geotechnical engineering emergency linkage monitoring method and system based on precise positioning, which

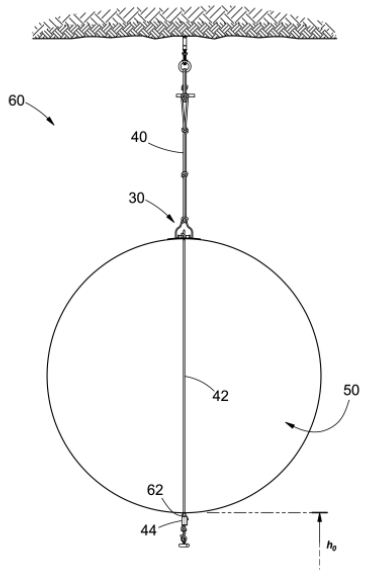
belongs to the technical field of mine data monitoring and processing. The method includes acquiring underground mine environmental monitoring data and environmental reference data, and determining monitoring data conversion values and anomaly ratios based on the acquired data. If the anomaly ratio indicates that the underground mine environmental state is in a dangerous state, then an underground environment warning type and warning level are determined according to the monitoring data conversion value and the anomaly ratio. Emergency rescue measures are matched according to the warning type and warning level, and associated emergency linkage terminals are activated to implement emergency rescue linkage according to the emergency rescue measures. This technical solution improves the accuracy of the data detected by the sensors, ensures recognition precision, reduces the false alarm rate, and can automatically generate emergency rescue plans according to the warning type and warning level, and invoke relevant emergency rescue resources to implement emergency linkage rescue, thereby enhancing the response speed of emergency linkage rescue.



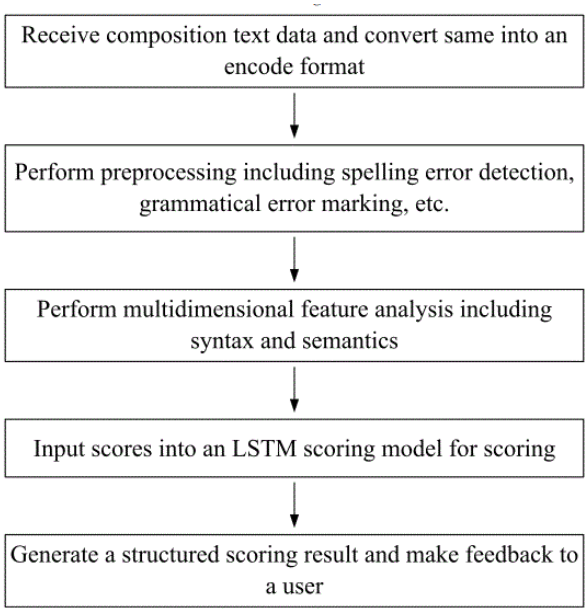
21: 2025/06471. 22: 2025/07/31. 43: 2026/02/27
51: B63B
71: Jianguo SANG
72: Jianguo SANG
33: CN 31: 202411019826.2 32: 2024-07-29
54: METHOD FOR REMOVING MARINE ATTACHING ORGANISMS FROM THE BOTTOM OF SHIPS
00: -

Disclosed is a method for removing marine attaching organisms from the bottom of ships. By precisely controlling the temperature at the hull bottom and maintaining it within a range unfavorable for the survival and attachment of organisms like barnacles, the method achieves the purpose of preventing and removing attaching organisms. The invention comprises four steps: installing a temperature regulation device, setting and maintaining a temperature range, continuous monitoring and adjustment, and high-temperature removal of attached organisms. The advantages of the invention compared to the prior art include: high-efficiency antifouling, economy and energy savings, extended ship service life, improved navigation efficiency, and environmental benefits.

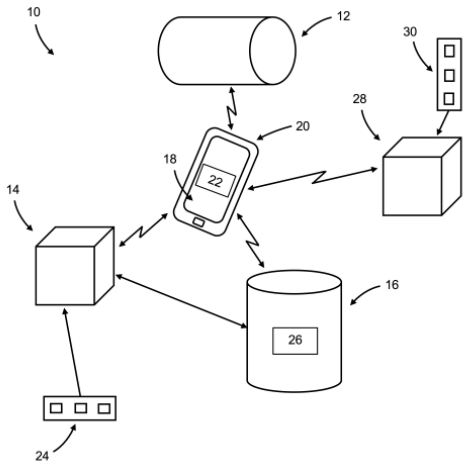
21: 2025/06486. 22: 2025/07/28. 43: 2026/02/27
51: F24F
71: TERRAVENT (PTY) LTD
72: VAN SCHOOR, Martin John
33: ZA 31: 2024/05804 32: 2024-07-29
54: VENTILATION DUCT
00: -
This invention relates to a ventilation duct. More specifically, the invention relates to a conductive material, to a ventilation duct, to a ventilation duct kit, and to a ventilation installation. The conductive material includes a woven material of which the weaving filaments contain a conductive additive mixture, and a non-woven material laminated onto the woven material with a polypropylene polymer. The ventilation duct includes a circular woven body of the conductive material, with the electrically conductive woven material forming the operative inside of the ventilation duct. The ventilation duct kit includes the ventilation duct; a conductive installation hanger attachable to the connection means and an overhead support from which the ventilation duct can be supported. The ventilation installation includes the ventilation duct kit installed onto a structure and in flow communication with a ventilation blower at one end and a ventilation outlet at an opposed end.



21: 2025/06500. 22: 2025/08/01. 43: 2026/03/02
51: G06F
71: Jinggangshan University
72: LIU, Rui, GAO, Fei
54: ENGLISH COMPOSITION SCORING SYSTEM BASED ON NATURAL LANGUAGE PROCESSING
00: -
Disclosed is an English composition scoring system based on natural language processing. The system includes a composition input module, a text preprocessing module, a multidimensional feature analysis module, a dynamic weight scoring module and a comprehensive score output module. The composition input module receives text and converts the text into an encode format, the text preprocessing module detects spelling errors, marks grammatical errors, and performs text standardization processing, the multidimensional feature analysis module analyzes the text from syntactic complexity, semantic coherence, lexical diversity, and topic relevance, the dynamic weight scoring module dynamically allocates weights of various dimensions according to preset or self-defined parameters by using a bidirectional long short term memory (LSTM) scoring model and an attention mechanism, and the comprehensive score output module generates a structured result including a total score, confidence, a contribution degree distribution graph and recommendations for modification, and makes visual feedback to a user.



21: 2025/06503. 22: 2025/08/01. 43: 2026/03/02
51: G06F
71: REYNDERS, Johan Hendrik
72: REYNDERS, Johan Hendrik
33: ZA 31: 2024/03391 32: 2024-05-02
33: ZA 31: 2025/03597 32: 2025-04-29
54: ADVANCED SECURITY FRAMEWORK FOR PROTECTING HIDDEN DATA AND APPLICATIONS IN DIGITAL ENVIRONMENTS
00: -
This invention relates to an advanced security framework for protecting hidden data and applications in digital environments. In particular, the invention relates to a system for securing digital environments, and a method for enhancing digital security. The system includes a security integration module that embeds a security protocol into a digital platform without altering its user interface; an input detection module that detects covert inputs distinct from standard authentication; and a protection activation module that activates a stealth protection layer, invisible to unauthorised users. The method involves integrating a passive security system, monitoring user inputs via a custom device driver to detect a covert trigger, and activating an invisible security protocol to protect data without disrupting the user experience.



21: 2025/06512. 22: 2025/08/01. 43: 2026/02/09
51: B65D; C12G; C12H; C12L
71: POPA, Vitalie, AURIC BARRELS D.O.O.
72: POPA, Vitalie, GANTENBRINK, Bruno Alexander
33: EP 31: 23156790.0 32: 2023-02-15
54: A BARREL FOR FERMENTING FOODS OR BEVERAGES IN A CONTROLLED ATMOSPHERE
00: -
A barrel (100, 200) for fermenting foods or beverages in a controlled atmosphere and in the absence of additives and preservatives. The barrel (100) comprising a container including a barrel body (102), a barrel bottom plate (104) and a barrel top plate (106), wherein the barrel body (102) comprises a plurality of staves (110) and is connected along a longitudinal axis (101) to the barrel bottom plate (104) and the barrel top plate (106) in a sealing manner, a device (108) connected to the container in a sealing manner, wherein the device (108) is configured to control the pressure inside the barrel and to pressurize, respectively depressurize, the barrel; retaining elements (112) arranged around the barrel body (102) along the longitudinal axis (101), wherein each of the retaining elements (112) are configured to be adjusted; first sealing elements arranged between the barrel body (102) and the barrel bottom and top plates (104, 106), wherein the barrel top plate (106) comprises a window (128) for exposing light into the barrel (100); and second sealing elements (126) arranged between every two neighboring staves of the plurality of staves (110) of the barrel body (102).

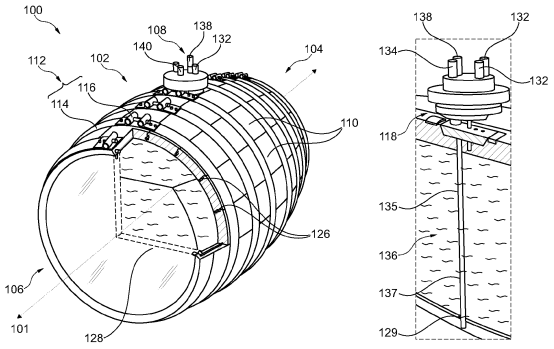
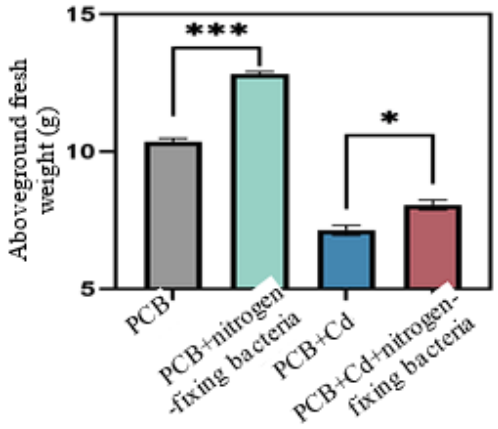


Fig. 1

21: 2025/06534. 22: 2025/08/04. 43: 2026/02/26
51: A23B; B65D
71: CHEMPAC (PTY) LTD
72: Christiaan Otto FRIELINGSDORF
33: ZA 31: 2024/05999 32: 2024-08-05
54: CROP TREATMENT METHOD
00: -
The invention discloses a crop treatment method which includes the step of combination or co-application of SO2 and 1-MCP for the post-harvest treatment of crop to maintain fruit quality, reduce post-harvest disease and/or reduce rachis browning. The invention also discloses a crop treatment method, which includes the step of application of 1-MCP for the pre-harvest treatment of crop to maintain fruit quality, reduce post-harvest disease and/or reduce rachis browning. The crop can be table grapes. The use of 1-MCP in the pre-harvest and/or post-harvest treatment of table grapes can reduce ethylene production; retarding ripening; and/or reducing the rachis browning. The combination of 1-MCP with SO2 can provide an additional synergistic effect on retarding rachis browning in table grapes.

21: 2025/06535. 22: 2025/08/04. 43: 2026/03/02
51: B09C
71: ZHEJIANG UNIVERSITY
72: DAI, Zhongmin, WANG, Sixian, HE, Dan, HUANG, Shuyi
54: METHOD FOR REMEDIATING CONTAMINATED SOIL USING NITROGEN-FIXING BACTERIA
00: -
The present invention relates to the technical field of soil remediation, and in particular to a method for remediating contaminated soil using nitrogen-fixing bacteria. The remediation method of the present

invention includes the following steps: (1) mixing nitrogen-fixing bacteria with the combined contaminated soil to obtain mixed soil; and (2) planting soybean seedlings in the mixed soil for culture. The combined contaminated soil in the step (1) includes cadmium chloride and polychlorinated biphenyls; a concentration of the cadmium chloride in the combined contaminated soil is 1.0-2.0 mg/kg; and a concentration of the polychlorinated biphenyls in the combined contaminated soil is 1.5-3.5 mg/kg. The method of the present invention may immobilize cadmium and degrade polychlorinated biphenyls, simultaneously improving soil fertility and promoting plant growth, and provides a novel microorganism regulation strategy for agricultural soil management and plant nutrition.

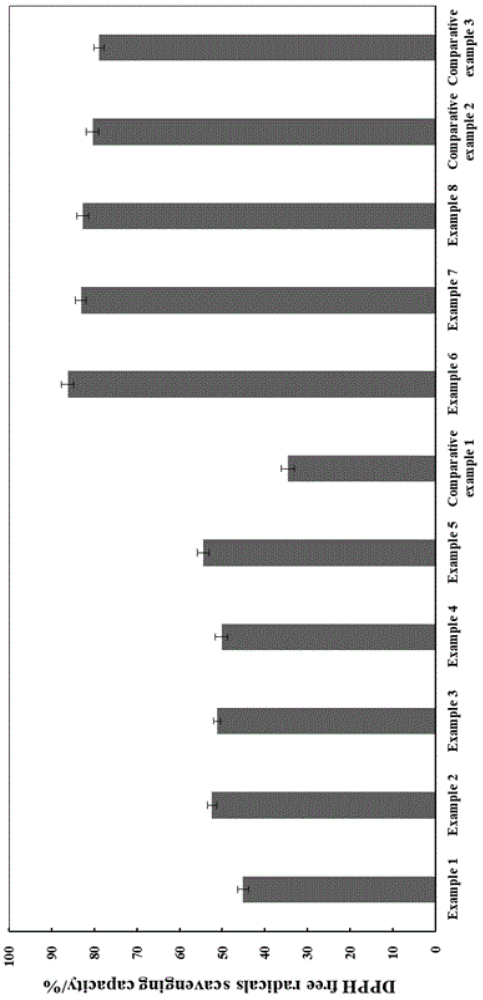


21: 2025/06536. 22: 2025/08/04. 43: 2026/03/02
51: A61K
71: CIIMBIO (SUZHOU) Co., Ltd.
72: Songlin YANG, Junhu LI

54: PREPARATION METHOD FOR ENZYMATICALLY HYDROLYZED CONCENTRATE OF PHYLLANTHUS EMBLICA AND APPLICATION THEREOF

00: -

Provided are a preparation method for an enzymatically hydrolyzed concentrate of Phyllanthus emblica and an application thereof. The enzymatically hydrolyzed concentrate of Phyllanthus emblica includes Phyllanthus emblica concentrated liquid, Phyllanthus emblica concentrated powder, and Phyllanthus emblica microcapsules. The preparation method includes the following steps: sorting and washing Phyllanthus emblica, performing squeezing and crushing, adding glycoside hydrolase to an obtained whole fruit pulp for enzymatic hydrolysis treatment, cooling, and then performing filtration and concentration to prepare the Phyllanthus emblica concentrated liquid; drying to prepare the Phyllanthus emblica concentrated powder; and then, embedding with beta cyclodextrin and chitosan, and adding mogroside III to prepare the Phyllanthus emblica microcapsules. The Phyllanthus emblica concentrated liquid, or the Phyllanthus emblica concentrated powder, or the Phyllanthus emblica microcapsules have antioxidant, anti-inflammatory, and free radicals scavenging capacities, and can be applied in development of related foods, medicines or health care products.



21: 2025/06537. 22: 2025/08/04. 43: 2026/03/02
51: C07K
71: CIIMBIO (SUZHOU) Co., Ltd.
72: Songlin YANG, Junhu LI

54: PREPARATION METHOD OF EEL BONE PEPTIDE AND APPLICATION THEREOF

00: -

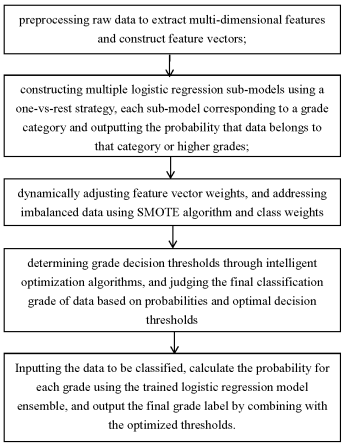
Provided are a preparation method of an eel bone peptide and an application thereof. The preparation method comprises the following steps: pyrolyzing eel bones, adding a protease for enzymatic hydrolysis and filtering to prepare an eel bone peptide crude filtrate, performing concentration and fine filtration to prepare an eel bone peptide refined filtrate, then performing drying and magnetic separation to prepare an eel bone peptide powder, embedding the eel bone peptide powder with chitosan and sodium alginate, and adding epigallocatechin gallate to prepare an eel bone peptide nanoparticle. The eel bone peptide refined filtrate or the eel bone peptide powder or the eel bone peptide powder nanoparticle have the effects of scavenging DPPH free radicals, inhibiting ACE and protecting vascular endothelium, and can be applied in the development of relevant foods, medicaments, or health care products. This disclosure not only realizes efficient resource utilization of eel bones, but also confers excellent biological activity and stability to the eel bones through technical innovation, thereby providing a cost-effective natural raw material solution to the relevant field, and combining ecological benefits with commercial values.

21: 2025/06538. 22: 2025/08/04. 43: 2026/03/02
51: C12Q; G16H
71: COSCO SHIPPING TECHNOLOGY(BEIJING) CO., LTD.
72: WU, Xiaofeng, YANG, Tao, TAN, Yan, YUAN, Meng, REN, Xin, ZHANG, Chaohui, WEI, Mingming, SUN, Zhe, XIE, Miaomiao, LI, Aicheng, YAO, Lianjie, ZHANG, Hui, LI, Haoning, LIU, Wenwen
33: CN 31: 2025108173581 32: 2025-06-18

54: METHOD, SYSTEM, AND MEDIUM FOR MULTI-DIMENSIONAL DATA CLASSIFICATION AND GRADING BASED ON LOGISTIC REGRESSION

00: -

The embodiments of the present invention disclose a multi-dimensional data classification and grading method, system, and medium based on logistic regression. The method comprises: preprocessing raw data to extract multi-dimensional features and construct feature vectors; constructing multiple logistic regression sub-models using a one-vs-rest strategy, each sub-model corresponding to a grade category and outputting the probability that data belongs to that category or higher grades; dynamically adjusting feature vector weights while addressing imbalanced data using SMOTE algorithm and class weights; determining grade decision thresholds through intelligent optimization algorithms and judging the final classification grade based on probabilities and optimal decision thresholds; inputting data to be classified, computing probabilities for each grade through the trained logistic regression model ensemble, and outputting the final grade label based on optimized thresholds. This method achieves fusion of multi-digit features, adaptive threshold optimization, and high-precision classification and grading, making it suitable for complex business scenarios with promising application prospects in the field of multi-dimensional data processing.



21: 2025/06540. 22: 2025/08/04. 43: 2026/03/02
51: G06Q
71: Shan LIU
72: Shan LIU
33: CN 31: 2025106082287 32: 2025-05-13

54: METHOD FOR ONLINE EVALUATION OF DATA RESOURCE VALUE

00: -

The invention relates to a pricing method for the intrinsic value of structured data, aiming to solve the problem of the lack of standardized models for data asset pricing. The core of the invention includes: establishing a data processing scale measurement index system based on tuple cardinality and attribute numbers; designing a function point scale algorithm model (arithmetic/geometric progression growth) and

introducing a scale adjustment factor (CF) to reflect algorithmic complexity; establishing a socially necessary labor time (UE) model: UE = C×POWER(S, a)×E×IL×Q×SL×CS ×CR×A÷(8 × 21.75) wherein C refers to labor productivity, S refers to function point scale, and E~A refer to adjustment factors; proposing a unit labor value model: v = (1 + c/v + m/v) combining a hyperscale data coefficient pricing method (when tuple count >350, labor productivity is multiplied by graded factors). This method realizes value quantification throughout the data processing workflow, promoting the capitalization of data assets. The invention constructs a multidimensional evaluation index set and acquires metadata and market dynamic information of the data to be evaluated through a distributed interface in real time; based on a dynamic weighting algorithm, the invention assigns weights to the index set, generates a weight coefficient set, and builds a value calculation model; after standardizing and preprocessing the collected raw data, the invention inputs the data into the model to calculate an initial value estimation; based on a timeliness decay factor and a data scarcity factor, the invention dynamically corrects the initial value estimation to generate a final value estimation and evaluation report. The invention achieves automated evaluation of data value through multidimensional index construction, dynamic weighting algorithms, standardized preprocessing, and dual-factor correction, solves the problems of single-dimensional indicators, static weighting, and neglect of timeliness and scarcity in traditional methods, improves real-time performance and scientificity, and provides quantitative decision-making basis for data capitalization.

Serial Number	Digital scale Labor Productivity	350 Tuples	Coefficient	1,000 Tuples	Coefficient	10,000 Tuples	Coefficient	100,000 Tuples	Coefficient	1 Million Tuples	Coefficient	10 Million Tuples	Coefficient	100 Million Tuples
(1)	(2)	(3)	(4)	(5) (3)× (4)	(6)	(7) (5)× (6)	(8)	(9) (7)× (8)	(10)	(9)× (10)	(11)	(11)× (12)	(13)	(13)× (14)
	Formula													
1	P25	5.61	2	11.21	2	22.42	2	44.85	2	98.7	2	179.39	2	358.79
2	P50	9.46	1.9	17.97	1.9	34.15	1.9	64.89	1.9	123.29	1.9	234.24	1.9	445.06
3	P75	16.58	1.8	29.85	1.8	53.73	1.8	96.72	1.8	174.1	1.8	313.38	1.8	564.08

21: 2025/06541. 22: 2025/08/04. 43: 2026/03/02
51: G06Q
71: Shan LIU
72: Shan LIU
33: CN 31: 2025107825681 32: 2025-06-12
54: DIGITAL ECONOMIC STATISTICS SYSTEM AND METHOD
00: -

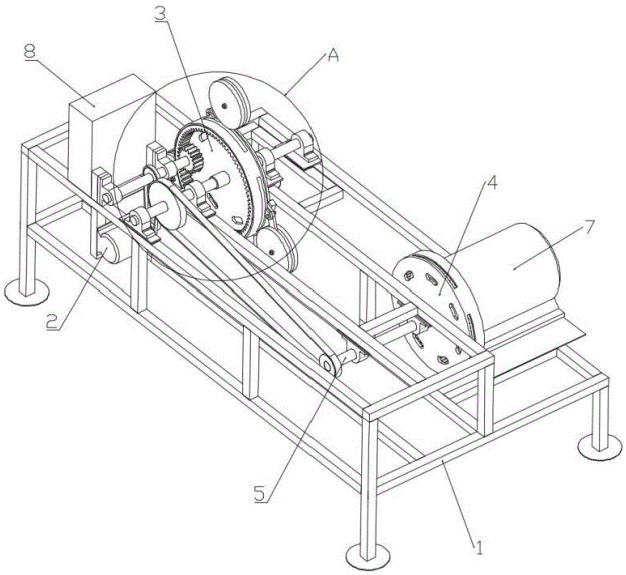
Total factor pricing formula: integrates costs from hardware construction to software development, covering the entire lifecycle of digital transformation. This method solves the technical problem of traditional pricing's inability to quantify innovation, reusability, and socially necessary labor time. The data acquisition module acquires multi-source heterogeneous data, and the preprocessing module processes the data using a timestamp alignment algorithm and industry knowledge graphs. The dynamic weight allocation module determines industry weights based on multiple factors. The real-time economic indicator calculation module defines indicators such as the digital consumption index and the industry resilience index and calculates them in real time. The regional economic profile generation module uses GIS and LSTM to visualize and predict the regional economy. This invention achieves efficient processing of multi-source data and accurate calculation of economic indicators, effectively generating regional economic profiles and providing comprehensive, real-time data support for economic analysis and decision-making.

Serial Number	Reuse Degree	Reuse Factor
(1)	(2)	(3)
1	High	1/3
2	Medium	2/3
3	Low	1

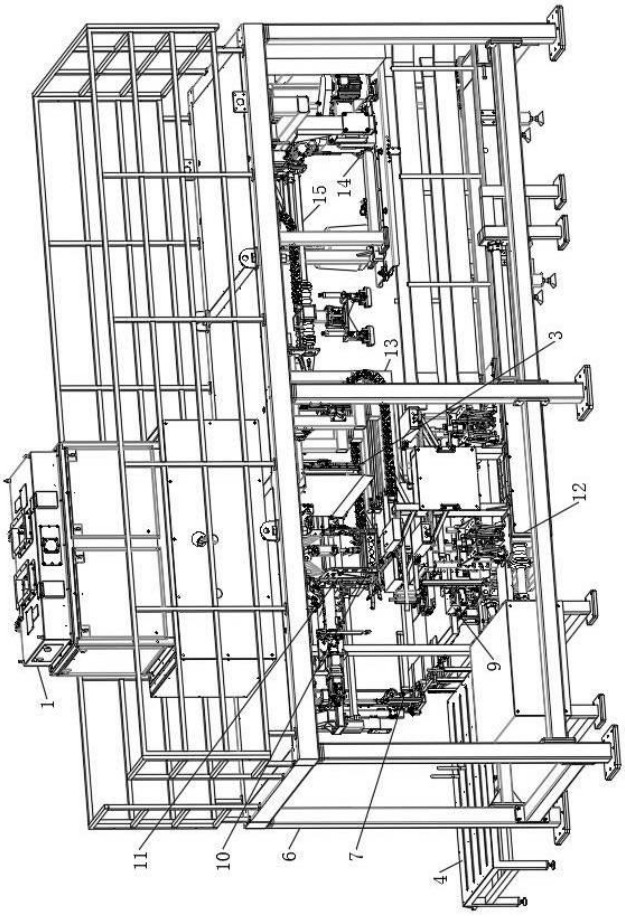
21: 2025/06544. 22: 2025/08/04. 43: 2026/03/03
51: F04D
71: LI Mingbo
72: LI Mingbo
54: CENTRIFUGAL MECHANICAL POWER ENHANCER
00: -

The present invention relates to the technical field of power machinery, and provides a centrifugal mechanical power enhancer, which includes a bracket, in a symmetrical support structure, one end being fixedly arranged with a reinforcement unit, the other end being rotatably connected to a gear plate II, and a middle part bearing a driving device; a driving device, adopting a motor structure, located at a lower part of the bracket, and connected to a drive shaft through a chain in a transmission way to provide initial rotational power; and a reinforcement unit, a core power reinforcement unit, including: a gear plate I, coaxially sleeved with a connecting

shaft, an inner gear ring being meshed with a drive gear, and mounting positions of centrifugal iron casting parts being uniformly distributed on an outer periphery; a positioning plate, arranged coaxially with the gear plate I and keeping a distance, and rotatably connected to the bracket through a bearing to provide a reaction force fulcrum for centrifugal iron casting parts; and the centrifugal iron casting parts, arranged symmetrically in three groups, each group containing a centrifugal iron casting body of 24 kg. In the present invention, the structure is compact, the transmission is efficient, the power is enhanced by the cooperation of the centrifugal iron casting parts and the gear plates, the electric control cabinet can be accurately regulated, adapted to different loads and has strong stability.

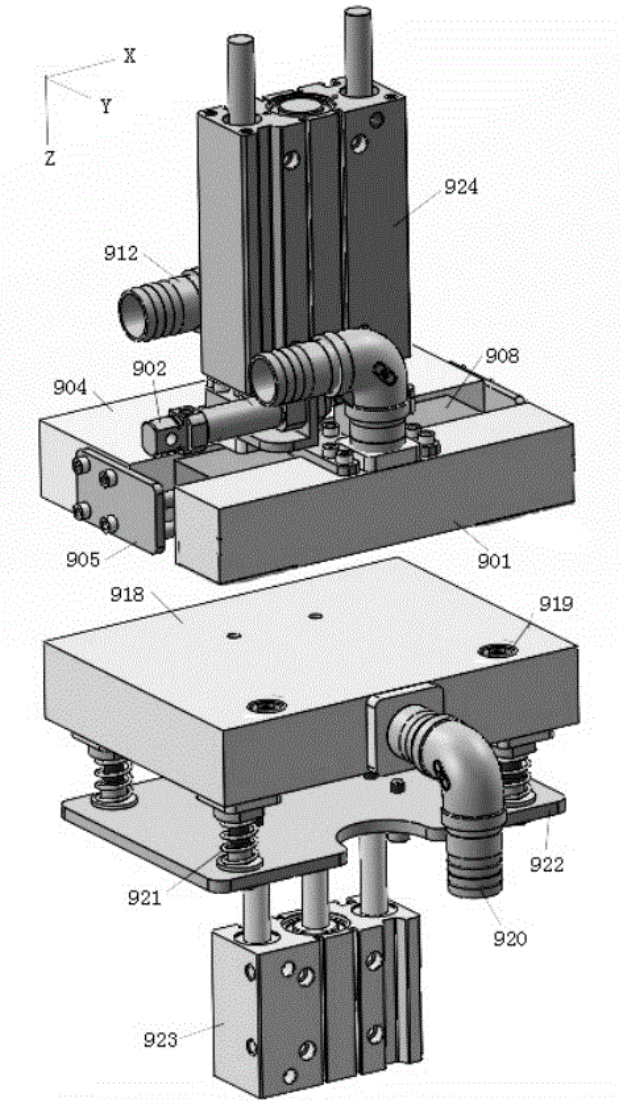


21: 2025/06545. 22: 2025/08/04. 43: 2026/03/03
51: B65G
71: Guangxi Machinery Industry Research Institute Co., Ltd.
72: WU Xiangning, CHEN Yishi, ZHOU Li, MAO Jun, HUANG Lixian, MO Dongwei, DU Yongyi
33: CN 31: 2025107602397 32: 2025-06-09
54: PACKAGED FULLY-AUTOMATIC PACKAGING ROBOT FOR INNER AND OUTER BAGS AND METHOD THEREFOR
00: -
The invention discloses a packaged fully-automatic packaging robot for inner and outer bags and a method therefor, which belongs to the technical field of packaging and control technology. The robot includes a main frame, and a bag taking mechanism, a suction cup mechanism, a bag loading mechanism, a feeding mechanism, a package delivery mechanism, a heat-sealing and opening outer bag mechanism, a bag mouth transfer mechanism, and a sewing mechanism which are sequentially mounted on the main frame, so as to realize bag taking, feeding and sewing operations. Moreover, the material bag can be held tightly and transferred, and an upper movable suction cup group and the lower movable suction cup group can rub packaging bags.



21: 2025/06546. 22: 2025/08/04. 43: 2026/03/03
51: B65B
71: Guangxi Machinery Industry Research Institute Co., Ltd.
72: WU Xiangning, CHEN Yishi, HUANG Lixian, MO Dongwei, DU Yongyi
33: CN 31: 202510760240X 32: 2025-06-09
54: BAG OPENING SUCTION CUP DEVICE
00: -
The invention discloses a bag opening suction cup device, which belongs to the technical field of

packaging and control technology. An upper telescopic member can drive the upper movable suction mount to move up and down between an initial position, a contact position and a suction position; the upper movable suction mount presses a packaging bag onto a lower suction mount at the suction position so that movable upper and lower suction cup groups suction upper and lower surfaces of the packaging bag respectively, and a transverse telescopic member can drive the upper movable suction mount to reciprocate in a transverse direction to drive both sides of the packaging bag to move relative to each other, thereby realizing an operation of the upper movable suction cup group and the lower movable suction cup group to rub the packaging bag to form wrinkles between a double-layer packaging bag (film) for easily opening the packaging bag.

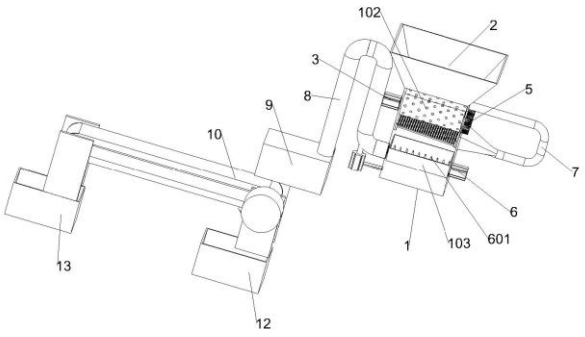


21: 2025/06567. 22: 2025/08/05. 43: 2026/02/26
51: A01G; A01H; B42D; Y02A
71: HJMFT T/A ANKERKAROO (PTY) LTD, BONVIGNE (PTY) LTD
72: Juan-Pierree BENCE
33: ZA 31: 2024/06000 32: 2024-08-05
54: PLANTING ARRANGEMENT
00: -

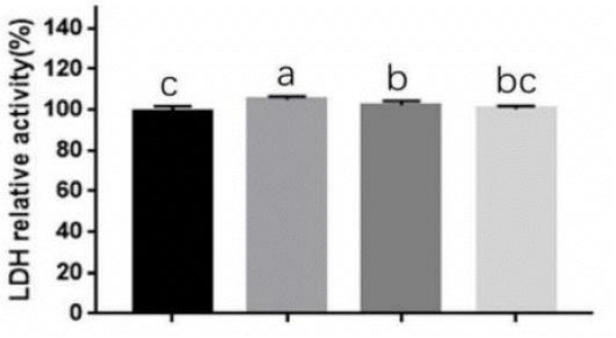
The invention discloses a planting arrangement which includes root growth influencing means adapted to mechanically influence and/or guide a plant's roots to grow outwardly. The growth influencing means has a narrow shape at the top and widens to the bottom and is located in the soil and under the plant thus forcing the plant's roots to grow outwardly. The growth influencing means have a cone and/or prism shape. The growth influencing

means have a base and/or hole at the top on which the plant can be seated.

21: 2025/06568. 22: 2025/08/05. 43: 2026/03/03
51: B09B
71: NINGBO POLYTECHNIC UNIVERSITY
72: HUANG, Yuliang
54: LITHIUM BATTERY RECYCLING APPARATUS
00: -
A lithium battery recycling apparatus is disclosed. The apparatus includes a sealed housing, a feed hopper mounted on top of the sealed housing, and a sealed door positioned between the housing and the hopper. A crushing assembly is installed within the sealed housing. Below the crushing assembly is a material discharge assembly connected to a drying device. A magnetic separator is located below the material discharge side of the drying device. A first hopper is positioned below the terminal end of the magnetic separator, and a second hopper is positioned below the magnetic separator. A vibrating screen mechanism is situated between the crushing assembly and the material discharge assembly. The sealed housing is filled with a solution, which displaces oxygen to prevent explosion and combustion during the crushing process, thereby enhancing safety and operational efficiency.

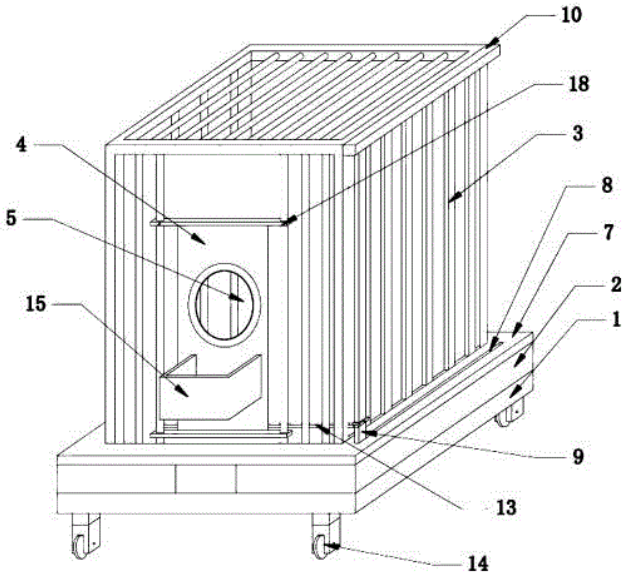


21: 2025/06569. 22: 2025/08/05. 43: 2026/03/03
51: A61K
71: Henan University of Urban Construction
72: HUANG, Weiwei, LIU, Chaoqi, WANG, Yuzhe, GUO, Hongwei, WU, Xianchao, XU, Yunxiang
54: A COMPOSITION FOR TREATING INTESTINAL CELL DAMAGE CAUSED BY MYCOTOXINS AND ITS APPLICATION
00: -
The present invention relates to the field of biomedical technology, and specifically provides a composition for treating intestinal cell damage caused by mycotoxins and its application. The composition provided by the present invention can effectively alleviate epithelial cell damage caused by aflatoxin B1 (AFB1) and zearalenone (ZEA), maintain the integrity of the intestinal mucosal epithelial structure, and improve the body's immunity.

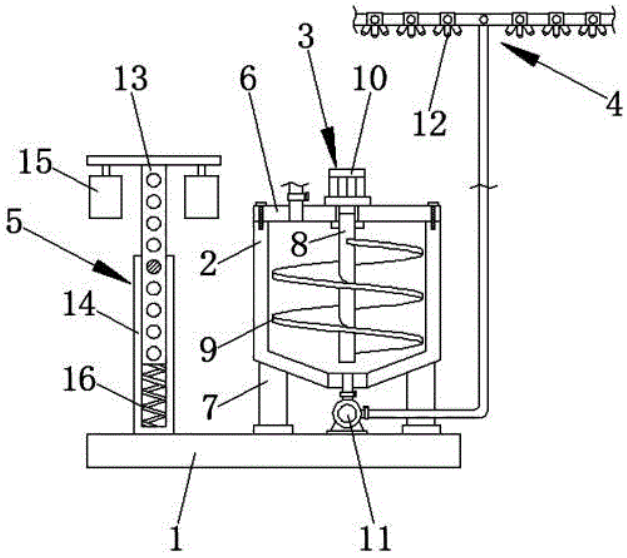


21: 2025/06570. 22: 2025/08/05. 43: 2026/03/03
51: A01K
71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences, Anchee (Shandong) Animal Nutrition Research Institute Co., Ltd.
72: GUO Jianfeng, DU Yushi, XIE Qingzhu, LIU Xiaohui, LIAO Yuxue, WANG Ran, ZHAO Xueyan, LIN Haichao, WANG Huaizhong
54: PIG WEIGHING CAGE WITH CONVENIENTLY OPERABLE DOOR
00: -
The present invention provides a pig weighing cage with a conveniently operable door, comprising a support plate, a weighing scale, and a cage body, where the weighing scale is arranged on the upper end of the support plate, the cage body is arranged on the upper end of the weighing scale, one side of the cage body is provided with a side baffle, and holes are provided on the side baffle, the opposite sides of the cage body and the side baffle are equipped with a switchable door; the lower end of the cage body has a bottom plate that fits closely with the upper surface of the weighing scale, one side of the bottom plate is provided with a sliding groove at its upper end, and a measuring ruler is placed within the sliding groove, the upper end of the cage body is equipped with a limiting plate, and a limiting slot is provided on the limiting plate at a position corresponding to the sliding groove to restrict the position of the measuring ruler, the

measuring ruler is sleeved with a movable sleeve, and one side of the movable sleeve is provided with a rotatable measuring rod, the lower end of the support plate is equipped with universal wheels, a feeding trough is arranged on the outer side of the side baffle below the holes. The pig weighing cage with the conveniently operable door provided by the present invention has a simple structure, is easy to use, and ensures accurate measurements.

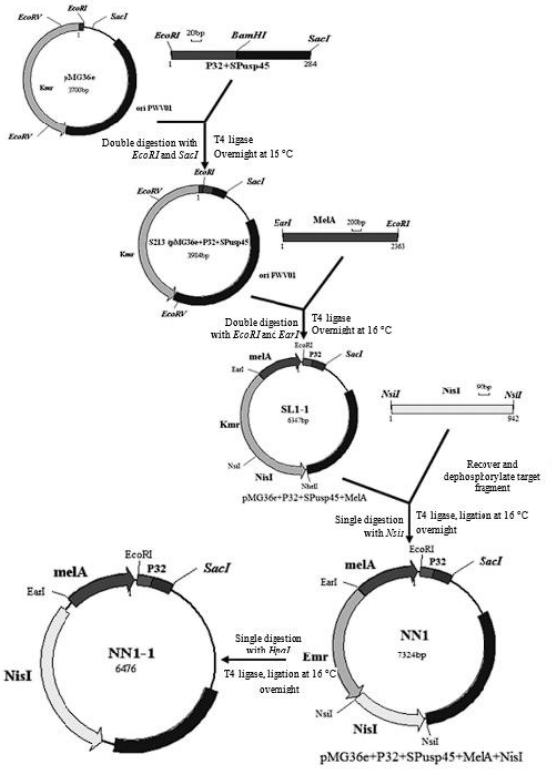


21: 2025/06573. 22: 2025/08/05. 43: 2026/03/03
51: A01K
71: Anchee (Shandong) Animal Nutrition Research Institute Co., Ltd., Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences
72: DU Yushi, XIE Qingzhu, GUO Jianfeng, LIU Xiaohui, LIAO Yuxue, WANG Ran
54: DETACHABLE ODOR-REMOVAL AND INSECT-REPELLING DEVICE FOR PIGSTIES
00: -
The present invention discloses a detachable odor-removal and insect-repelling device for pigsties, comprising a fixed base, a mixing tank, a mixing device, an odor-removal device, and an insect-repelling device. The top of the fixed base is provided with the mixing tank, and the top of the mixing tank is equipped with a cover plate via fixing bolts. The mixing device, connected to the cover plate, is arranged inside the mixing tank. A liquid inlet is formed on the top of the cover plate away from the mixing device, and a liquid inlet pipe is installed in the liquid inlet via screws. Four support legs are fixedly welded at the bottom of the mixing tank. A liquid outlet is formed at the center of the mixing tank bottom, and a liquid outlet pipe is installed in the liquid outlet via screws. One end of the liquid outlet pipe away from the mixing tank is connected to the odor-removal device. The bottom and top of the odor-removal device are connected to the top of the fixed base and the top of the external pigsty, respectively. The insect-repelling device is arranged on one side of the fixed base away from the mixing tank. This odor-removal and insect-repelling device for pigsties improves odor-removal efficiency while allowing adjustable operation as needed.



21: 2025/06574. 22: 2025/08/05. 43: 2026/03/03
51: A61K
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCES
72: SU, Shaofeng, QI, Buri, ZHAO, Xiaoqing, YANG, Bin, GAO, Wa, YUE, Linfang, SUN, Lin, HUANG, Yao, HAN, Pingan, WANG, Xiao, YU, Biao, MA, Jie, GAO, Tian, LIU, Boying, HE, Lei, ZHANG, Enxi, REN, Gangqiang
54: RECOMBINANT LACTOCOCCUS LACTIS NZ9000 AND USE THEREOF
00: -
The present invention provides a recombinant Lactococcus lactis NZ9000 and use thereof, and belongs to the technical field of biological engineering. According to the present invention, the recombinant Lactococcus lactis NZ9000 is obtained by transforming a dual-selection marker secretory

expression vector containing a fusion gene of a P32 promoter and a Usp45 secretory protein, a dual-selection marker of a melA gene and nisI gene, a replicon of a plasmid pWV01 and a multiple cloning site, so that the expression level of endoglucanase is remarkably improved.

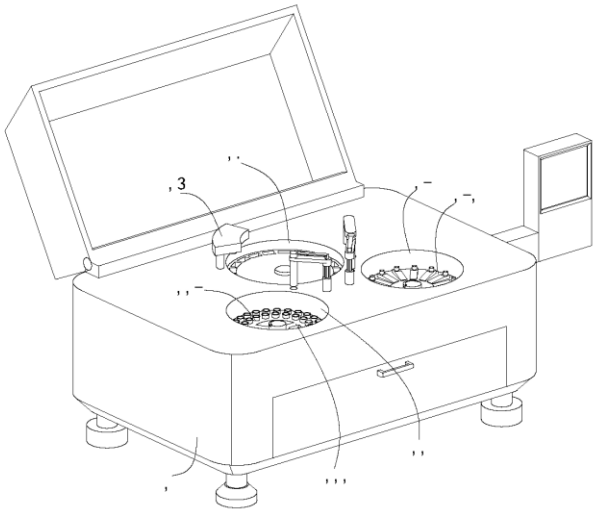


21: 2025/06575. 22: 2025/08/05. 43: 2026/03/03
51: F41H; G01N
71: HANGZHOU ZHEDA DIXUN BIOLOGICAL GENE ENGINEERING CO., LTD.
72: WU, Shandong, LIU, Yi, WU, Zhoujie, ZHU, Mingzhi, WANG, Yifei, YANG, Xukai, JIANG, Xuehan, WANG, Jiping, WU, Jianye

54: UNATTENDED FULL-AUTOMATIC IMMUNOBLOTTING DETECTION SYSTEM AND METHOD

00: -

The present invention relates to the technical field of immunoblotting detection, and more specifically, to an unattended full-automatic immunoblotting detection system and method. After a sample adding needle is cleaned, a part of the cleaning liquid is left on a surface of the sample adding needle. In this case, since the sample adding needle needs to move upward to reset after cleaning, a mounting tube and a cleaning plate are in a static state during the upward movement of the sample adding needle, and the sample adding needle, the mounting tube and the cleaning plate are in a relative motion state, so that the sample adding needle moves upward in a through hole in the middle of the cleaning plate. During this process, an inner wall of the through hole is in close contact with an outer side of the sample adding needle, so that the cleaning plate scrapes off the cleaning liquid on the surface of the sample adding needle, which avoids cross infection when a to-be-tested sample is sampled by the sample adding needle, thereby improving the detection precision.



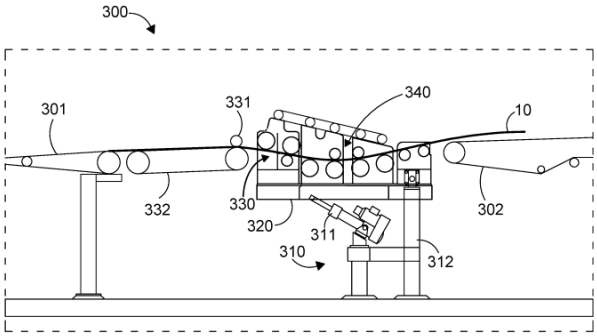
21: 2025/06585. 22: 2025/08/05. 43: 2026/03/03
51: B28B; B31F; E04C
71: SAINT-GOBAIN PLACO
72: ROSTRON, Tom
33: EP 31: 23305401.4 32: 2023-03-23

54: APPARATUS FOR CRACKING A GYPSUM MATRIX OF A GYPSUM-BASED PANEL

00: -

Lightweight construction panels, such as plasterboard, (e.g. gypsum plasterboard) are commonly used to provide internal partitions in buildings. Due to the use of plasterboard as in internal partition, it is desirable for plasterboard to absorb and block sound energy, such that sound from one room is not easily heard in an adjacent room. It has been found that providing micro cracks in the gypsum matrix of a gypsum-based panel improves the acoustic characteristics of the panel. Apparatus (300) is provided for cracking a gypsum matrix of a gypsum-based panel (10), the apparatus

(300) comprising: a roller assembly (320), the roller assembly (320) configured to receive the panel (10) at an entrance of the roller assembly (320) and convey the panel (10) from the entrance to an exit of the roller assembly (320), wherein, between the entrance and the exit, the roller assembly (320) is configured to bend the panel (10) in a first direction.



21: 2025/06591. 22: 2025/08/06. 43: 2026/03/03
51: A01N
71: SHANDONG ACADEMY OF AGRICULTURAL SCIENCE
72: SONG, Jiping, YANG, Ning, ZHAO, Xu, WANG, Xiao, WEN, Dan, HAN, Yujuan

54: METHOD FOR PREVENTING EARLY POWDERY MILDEW OF CUCUMIS MELO L.

00: -

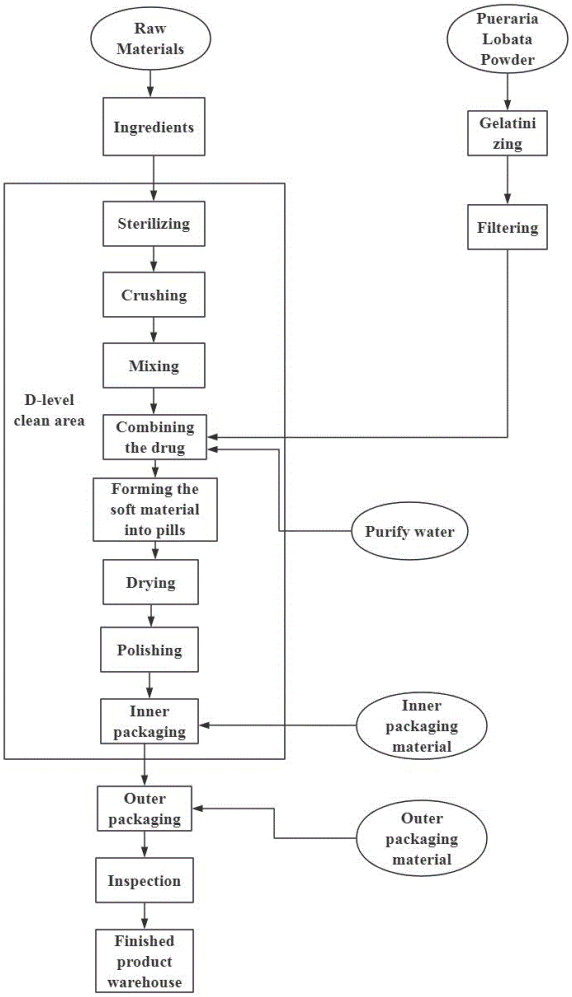
The present application discloses a method for preventing early powdery mildew of Cucumis melo L., belonging to the technical field of agricultural planting. The method specifically includes the following steps: agricultural prevention and control: variety selection, field management, field sanitation; physical prevention and control: high-temperature sterilization and spraying of barrier agent; biological prevention and control: microbial preparations and induced disease resistance agent; and chemical prevention and control: preventive medication and therapeutic medication. According to the present application, green prevention and control are achieved through comprehensive measures of disease-resistant variety selection, scientific field management, physical isolation, biological induction and chemical prevention and control, with emphasis on prevention first and early intervention. The risk of powdery mildew may be effectively reduced and the yield and quality may be guaranteed by improving environmental conditions, enhancing plant resistance and reducing pathogen transmission.

21: 2025/06592. 22: 2025/08/06. 43: 2026/03/03
51: A61K
71: Shuzhong WANG
72: Shuzhong WANG
33: CN 31: 202510528502X 32: 2025-06-26

54: CHINESE MEDICINE FOR IMPROVING THE TREATMENT OF TYPE II DIABETES AND PREPARATION METHOD THEREOF

00: -

A Chinese medicine for improving the treatment of type II diabetes and a preparation method thereof, wherein it is made from the following raw: Rehmannia glutinosa, Astragalus membranaceus, Atractylodes macrocephala, Poria cocos, Salvia miltiorrhiza, Ligusticum chuanxiong, Prunus persica, Carthamus tinctorius, Panax ginseng, Aconitum carmichaelii, Cornus officinalis, Dioscorea opposita, Magnolia officinalis, Aurantii Fructus, Zingiber officinale, Glycyrrhiza uralensis. In summary, the invention utilizes a holistic approach of "regulating five zang-organs and coordinated treatment" to comprehensively improve and treat type II diabetes. Through the combined actions of all the herbs, the formula achieves the goals of clearing heat and relieving irritability, generating body fluids and replenishing qi, unblocking the triple energizer, harmonizing the five zang organs, treating the condition in a coordinated and systematic manner, thereby effectively improving and treating type II diabetes.

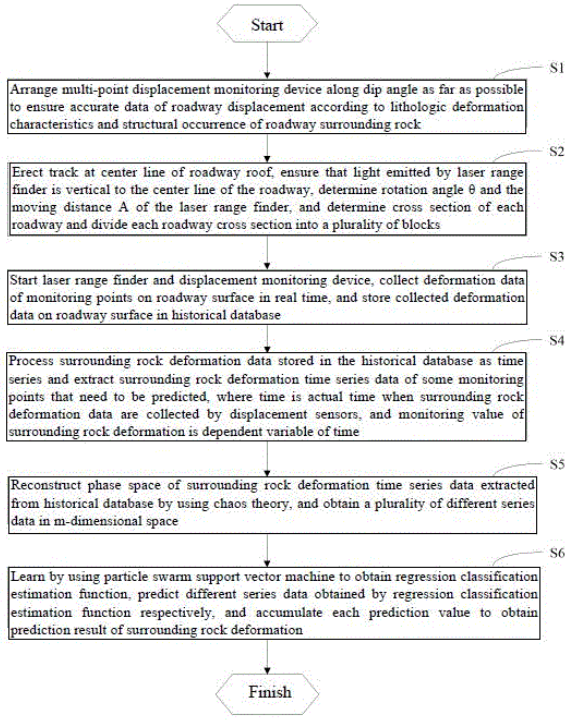


21: 2025/06593. 22: 2025/08/06. 43: 2026/03/03
51: G01D
71: Shaanxi Xunyi Qinggangping Mining Co., Ltd, North China Institute of Science and Technology
72: Dong Haofu, Li Nan, Kong Lingtao, Fan Hongqing

54: DATA ACQUISITION AND ANALYSIS METHOD FOR ROADWAY SURFACE DISPLACEMENT

00: -

The present invention provides a data acquisition and analysis method for roadway surface displacement. The data acquisition and analysis method for roadway surface displacement includes two non-contact measurement acquisition methods, namely, a multipoint displacement monitoring device and a laser range finder, to monitor displacement of roadway surface and collect data. Workers can master a law of roadway surface displacement more comprehensively and carefully, and the laser range finder is configured to observe roadways at different positions and angles of roadway cross sections at close ranges, to realize real-time continuous monitoring and record the roadway surface displacement data. With timely and high accuracy data recording, nondestructive and non-contact monitoring of surrounding rock deformation can be realized.



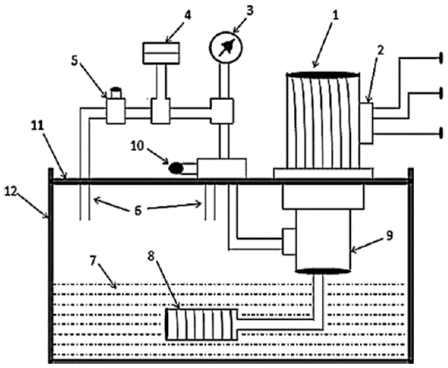
21: 2025/06595. 22: 2025/08/06. 43: 2026/03/03
51: B21D
71: Dr. Binayaka Nahak, Shailesh Pratap Vishwakarma, Puneet Kumar Sonker, Dr. Harinder Singh
72: Dr. Binayaka Nahak, Shailesh Pratap Vishwakarma, Puneet Kumar Sonker, Dr. Harinder Singh
33: IN 31: 202511057748 32: 2025-06-16

54: A HYDRO-MECHANICAL DRAWING SYSTEM AND METHOD FOR INVESTIGATING DEFORMATION BEHAVIOUR OF ALLOYS

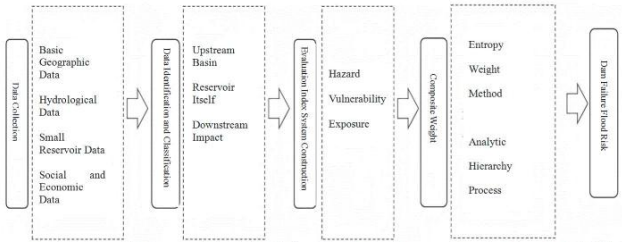
00: -

The present invention relates to a portable hydro-mechanical drawing system for evaluating the deformation behaviour of steel EN10130, aluminium 8011, copper C12200 alloys and red brass sheet. A custom experimental setup comprising an inverted die, hydraulic punch, silicon-sealed blank holder, and a pressure-regulated fluid system was

developed using locally available materials. The setup deforms thin metallic sheets into hemispherical cups under variable fluid pressures, and dome heights are measured using a laser sensor. Copper C12200 achieved the highest dome height at without rupture. Aluminium 8011 and steel EN10130 followed, with distinct rupture thresholds and strain profiles. The system introduces novel features including silicon-sealed die holders, inverted drainage, and modular, portable design. This invention offers a low-cost, robust alternative to commercial hydroforming setups for research, education, and prototyping.



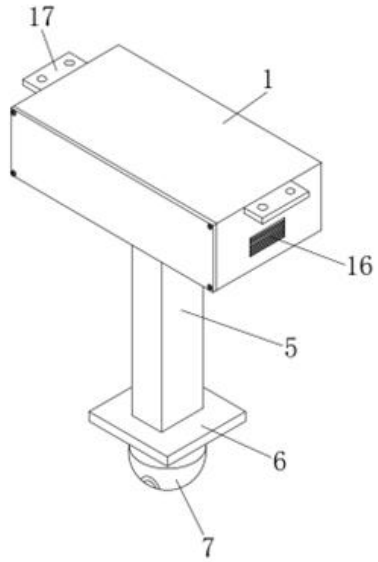
21: 2025/06635. 22: 2025/08/07. 43: 2026/03/03
51: G06F
71: China Institute of Water Resources and Hydropower Research, Tianjin University
72: WANG Gang, YANG Ning, WU Nan, ZHANG Cheng, BI Wuxia, ZHANG Jintang, ZHANG Hongbin, ZHAO Liping
54: FLOOD RISK ASSESSMENT METHOD AND SYSTEM FOR SMALL RESERVOIRS
00: -
The present invention discloses a flood risk assessment method and system for small reservoirs, including the following steps: constructing a three-dimensional index system of hazard-vulnerability-exposure according to the actual situation of small reservoirs; performing dimensionless processing on index data according to the characteristics of each index; determining the weights of each index using the analytic hierarchy process and the entropy weight method respectively, and fusing them to obtain comprehensive weights; based on the comprehensive weights and the dimensionless index data, evaluating to obtain the comprehensive flood control risk index of the small reservoir, and then determining the flood control risk level; formulating targeted flood control plans and emergency response measures according to the evaluation results; dynamically updating the evaluation results and flood control plans to adapt to changes in the reservoir operation status and external environment. Through low-cost, high-efficiency, full-process, and multi-scenario risk assessment means, the present invention provides reliable technical support for the safe operation and flood control decision-making of small reservoirs and similar engineering facilities.



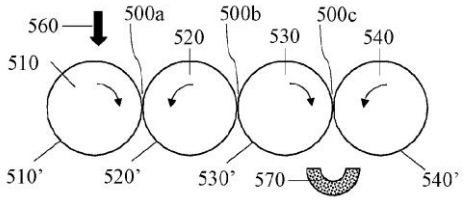
21: 2025/06636. 22: 2025/08/07. 43: 2026/03/04
51: A61K
71: Nanfang Hospital, Southern Medical University
72: ZOU Binhua, LIU Gang, REN Pinzhen
54: COMPOSITION AND APPLICATION THEREOF IN PREPARATION OF OSTEOCLAST DIFFERENTIATION INHIBITOR
00: -
The present invention discloses a composition and an application thereof in the preparation of an osteoclast differentiation inhibitor, belonging to the field of biomedicine. The present invention provides a composition consisting of dihydroberberine and equisetin, and also provides the use of the composition in the preparation of an osteoclast differentiation inhibitor. Dihydroberberine and equisetin may directly inhibit osteoclasts, so that they may be used for preparing osteoclast differentiation inhibitors, thereby treating bone destruction-related diseases.

21: 2025/06640. 22: 2025/08/07. 43: 2026/03/04
51: G08B
71: TAIZHOU UNIVERSITY
72: MIAO, Xinghua, SHEN, Chunlong, XING, Xiaoyang, YIN, Yue, YANG, Bin, WANG, Xiaoyang
54: SAFETY MONITORING DEVICE FOR AUTOMOBILE ASSEMBLY PRODUCTION LINE
00: -
Disclosed is a safety monitoring device for automobile assembly production line, comprising a

protective box. A rotating shaft is connected between the front and back of the inner cavity of the protective box through bearings. The outer surface of the rotating shaft is fixedly connected to a gear, and the bottom of the gear is fixedly connected to a vertical plate. The bottom of the vertical plate extends below the protective box and is slidably connected to an extension frame. The present invention provides a vertical plate, an extended frame, an installation plate, a monitoring camera, and a limit component to facilitate the adjustment of the installation height of the monitoring camera. By setting a protective box, a rotating shaft, gears, a concave plate, a gear plate, and a spring, it is easy to tilt and protect the monitoring camera from compression and impact.



21: 2025/06646. 22: 2025/08/07. 43: 2026/03/04
51: A23G; A23L; A23P
71: Lot FoodTech Ltd
72: FEFFERMAN, Guy, LEVIN, Aleksey Elisha
33: GB 31: 2302788.1 32: 2023-02-27
33: GB 31: 2316241.5 32: 2023-10-24
54: METHOD AND APPARATUS FOR PREPARING FLAKES
00: -
There is disclosed a method of manufacturing flakes, comprising: a) providing a liquid stock comprising at least one solid material dissolved or dispersed in a liquid; b) applying the liquid stock to a first movable surface, so as to form thereon a thin film of liquid stock; c) cyclically i) evaporating at least a part of the liquid from the thin film, so as to increase the concentration of solid particles, and ii) applying pressure to the film by passing it through at least one nip formed by urging opposed surfaces towards one another, so as to progressively form a layer comprised of relatively dry flakes consisting of agglomerated and/or compacted solid particles. Flakes made thereby and an apparatus for producing the same are also disclosed, as well as uses and advantages of such flakes.



21: 2025/06647. 22: 2025/08/07. 43: 2026/03/04
51: B42C; B42D
71: PELEMAN INDUSTRIES NV
72: PELEMAN, Guido Frans M.
33: BE 31: 2023/5113 32: 2023-02-16
54: JACKET FOR A COVER AND METHOD FOR APPLYING IT
00: -
A jacket (1) for a cover (2) of a book whereby the jacket comprises a sheet (8) that is divided into zones on the interior surface, comprising a central zone (3) which in use covers the spine of the cover, two outer panel zones (4) which in use each at least partially cover the exterior surface of the front panel and the back panel of the cover respectively and each consisting of two or more strips (4a,4b) which in use extend from the bottom to the top of the cover, whereby on the interior surface of the sheet only the outer panel zones are provided with a layer of self-adhesive material (7) which in every strip of every outer panel zone is covered by a separate piece of removable release paper (6), and whereby the strip (4a) of the two or more strips (4a,4b) of every outer panel zone (4) bordering the central zone (3) is narrower than the sum of the widths of the other strips (4b) of the two or more strips.

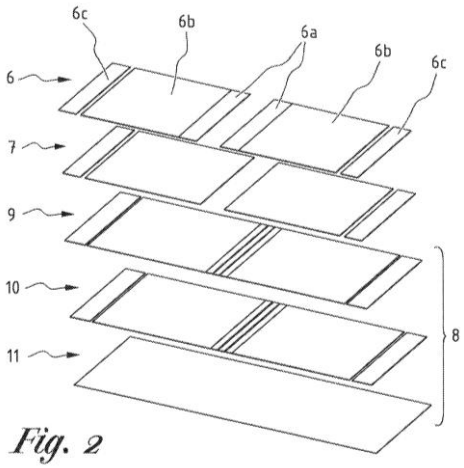


Fig. 2

21: 2025/06654. 22: 2025/08/07. 43: 2026/03/04
51: B01J; H05B
71: THE CYPRUS INSTITUTE
72: BISKOS, George

54: METHOD FOR GENERATING HIGH PURITY AND FINELY DISPERSED NANOPARTICLES BY INDUCTIVE LOCAL HEATING

00: -

The objective of this document is to introduce a novel method for generating high-purity aerosol nanoparticles of well-defined size and chemical composition to use as building blocks in nanomaterial synthesis for various applications. The method employs inductive heating to produce metal vapors from a target electrode, which are subsequently carried away and cooled down by a gas stream to yield atomic clusters and nanoparticles (singlets and agglomerates) by nucleation and subsequent growth by condensation and coagulation. The novelty of the method relies on the fact that the only material in the heating zone is the target electrode, avoiding any holders which can unintentionally emit impurities upon heating either directly by the inductive heater or indirectly by the heated target electrode. This is highly advantageous as it ensures that only vapors from the target material are produced in the carrier gas, resulting in the formation of atomic clusters and subsequently nanoparticles of extremely high purity. Furthermore, the magnetic field produced by the inductor coil is focused on the tip of the electrode which is sharpened in a way that the carrier gas flowing around it does not become turbulent. The focused magnetic field ensures very local heating at, and thus emission of the metal vapors from, the tip of the electrode, whereas by maintaining flow laminarity around the electrode tip ensures that the resulting vapors downstream have the same history, and consequently yield particles of the same size (monodisperse).

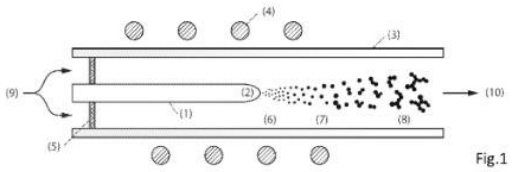


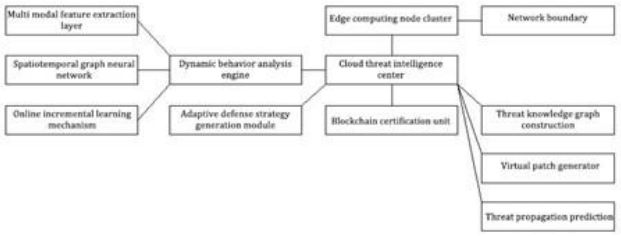
Fig.1

21: 2025/06655. 22: 2025/08/07. 43: 2026/03/04
51: G06F
71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY
72: CHEN, Xuemin, JIAO, Xuesong, CAO, Hao, ZHAO, Weiwei, LV, Yajie, ZHANG, Mengmeng
33: WO 31: PCT/CN2025/105102 32: 2025-06-28

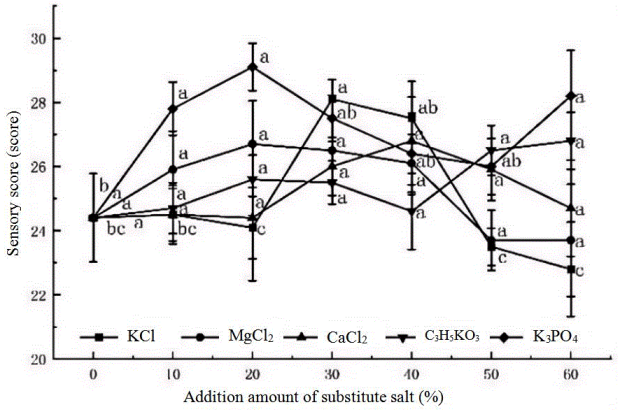
54: NETWORK SECURITY SYSTEM BASED ON CLOUD COMPUTING AND ARTIFICIAL INTELLIGENCE

00: -

The invention discloses a network security system based on cloud computing and artificial intelligence, including a cloud threat intelligence center, an edge computing node cluster deployed at the user network boundary to perform lightweight threat detection, a dynamic behavior analysis engine based on the deep reinforcement learning model to learn and predict the behavior mode of attackers in real time,the adaptive defense strategy generation module dynamically adjusts the protection rules according to the threat level, and the blockchain certificate storage unit is used to record attack events and response logs without tampering, solve the contradiction between data privacy and real-time by combining federated learning and edge computing, accurately identify advanced threats such as APT attacks, reduce the false alarm rate, and use ST-GNN to model the spatio-temporal behavior characteristics of attackers, and the adaptive defense engine adjusts policies in real time, such as isolation and traffic cleaning.



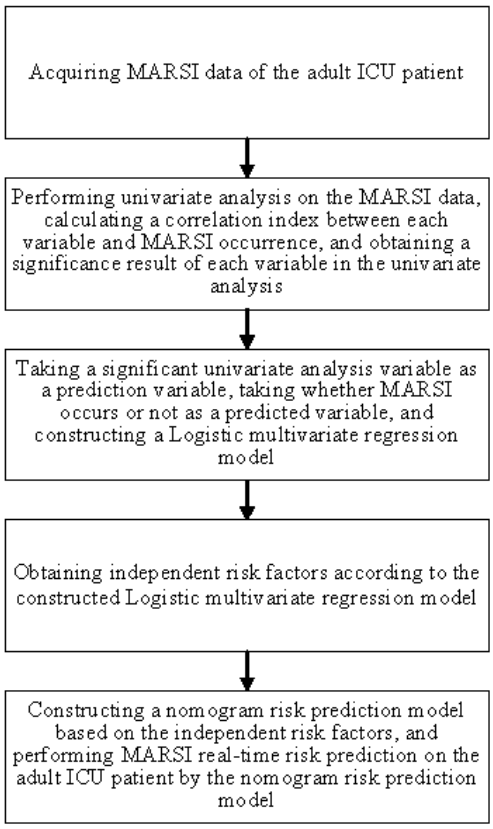
21: 2025/06663. 22: 2025/08/08. 43: 2026/03/04
51: A23L
71: Sichuan Tourism University, Key Laboratory of Sichuan Cuisine Artificial Intelligence, Sichuan Tourism College
72: HUA Ling, DENG Xing, JIANG Xueqin, CHEN Xuanlin, DUAN Rong, QIN Tianyu
33: CN 31: 202411136641X 32: 2024-08-19
54: LOW-SALT BRAISED GOOSE FORMULA AND BRAISING METHOD THEREOF
00: -
The present invention discloses a low-salt braised goose formula and a braising method thereof, including goose meat, low-sodium salt and other ingredients; the optimal weight ratio of goose meat, low-sodium salt and other ingredients is 100:9.5-10.5:39.5-40; the low-sodium salt consists of potassium chloride, magnesium chloride and potassium phosphate; the other ingredients include tea tree oil, monosodium glutamate, white sugar, star anise, dried chili, pepper, cinnamon, bay leaf, fennel, garlic, green onion, ginger, light soy sauce, dark soy sauce and cooking wine. Compared with traditional braising, edible salt is replaced with low-sodium salt, and the low-sodium salt is composed of three components, i.e., potassium chloride, magnesium chloride and potassium phosphate, with a ratio of (25-30):(18-21):(20-25). Under this ratio, the color, taste, flavor and texture of the goose meat reach the best, making it more suitable for the elderly and patients with hypertension.



21: 2025/06670. 22: 2025/08/08. 43: 2026/03/04
51: C05C; C05F
71: UPM-KYMMENE CORPORATION, GREEN INNOVATION GMBH
72: PIETARINEN, Suvi, HÜBSCH, Christian, LEONARDI, Giuliano, MACCHIA, Vito
33: IT 31: 102023000002589 32: 2023-02-15
54: USE OF A COMPOSITION OF TRICHODERMA AND LIGNIN FRACTION AS A BOOSTER OF NITROGEN FERTILIZERS
00: -
It is disclosed the use of a composition comprising a fungus of Trichoderma genus and a lignin fraction, as a booster of nitrogen fertilizers. In particular, it was observed that said composition surprisingly enhances the uptake of nitrogen by plant seeds from nitrogen fertilizers, so that the overall amount of the latter to be applied can be advantageously reduced down to at least 50% of the recommended amount.

21: 2025/06688. 22: 2025/08/06. 43: 2026/03/04
51: G16H
71: SICHUAN PROVINCIAL PEOPLE'S HOSPITAL
72: DU, Jie
33: CN 31: 202411192363X 32: 2024-08-28
54: MARSI RISK PREDICTION METHOD AND SYSTEM FOR ADULT ICU PATIENT
00: -
The present invention discloses an MARSI risk prediction method and system for an adult ICU patient, and relates to the technical field of MARSI risk assessment. The MARSI risk prediction method comprises: acquiring MARSI data of an adult ICU patient; performing univariate analysis on the data to obtain a significance result of each variable in the univariate analysis; constructing a Logistic multivariate regression model; obtaining independent risk factors according to the

constructed Logistic multivariate regression model; and constructing a nomogram risk prediction model based on the independent risk factors, and performing real-time risk prediction by the nomogram risk prediction model. According to the present invention, a risk prediction model is constructed and external verification is performed by analyzing risk factors of MARSI in adult ICU patients, so that a screening tool is provided for early identifying medical adhesive-related skin injury risks in ICU patients, the occurrence of medical adhesive-related skin injury in the ICU patients is reduced, the economic burden of the patients is relieved, and the satisfaction degree of the patients is improved.

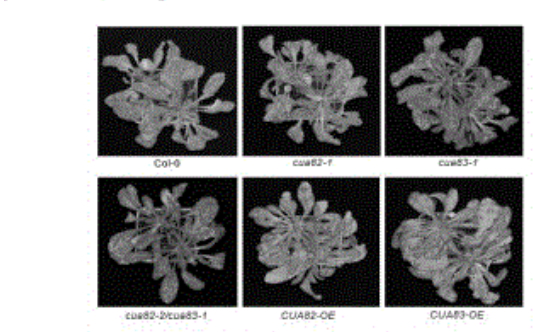


21: 2025/06689. 22: 2025/08/07. 43: 2026/03/04
51: C10L
71: JINZHONG UNIVERSITY
72: Jianwei, HAO, Shuang, LIU, Biaoli, LI, Libin, ZHANG, Xuelin, GUO, Shimin, GAO
54: A METHOD FOR SEQUENTIAL CONVERSION OF FOOD WASTE USING THREE ENVIRONMENTAL INSECTS
00: -

A method for sequential conversion of food waste using three environmental insects, the method contains four steps: step1: collection of food waste and preliminary treatment, step2: conversion of solids by yellow mealworms, step3: conversion of liquids by both black soldier flies and white-spotted flower chafers; step4: product utilization. The technical advantages of the present invention include: 1.complete conversion within 10 days, significantly faster than traditional methods.2.provides high-value outputs: Insect protein for animal feed, and bio-fertilizer for sustainable agriculture.3.no complex pretreatment or chemicals, minimizing costs and secondary pollution.4.fully transforms waste into marketable products, aligning with circular economy principles.

21: 2025/06691. 22: 2025/08/11. 43: 2026/03/04
51: C12N
71: Henan Napu Biotechnology Co., LTD, Henan Academy of Sciences
72: JING, Teng, GOU, Mingyue, JIA, Xiaolin, CHEN, Shizhan, WANG, Wei, CHEN, Fei, ZHOU, Yong
33: CN 31: 202411550506.X 32: 2024-11-01
54: PLANT IMMUNE REGULATION-RELATED CUA GENE AND ORTHOLOGOUS GENE THEREOF, AND USE THEREOF IN MOLECULAR BREEDING FOR DISEASE RESISTANCE
00: -

Disclosed is a plant immune regulation-related CUA gene and an orthologous gene thereof, and use thereof in molecular breeding for disease resistance. A nucleotide sequence of the CUA gene contains a nucleotide sequence of the AT5G52750 gene and/or a nucleotide sequence of the AT5G52760 gene. The nucleotide sequence of the AT5G52750 gene is represented by SEQ ID NO. 1, and the nucleotide sequence of the AT5G52760 gene is represented by SEQ ID NO. 2. The use of the CUA gene includes: use of the CUA gene or the orthologous gene of the CUA gene in molecular breeding for disease resistance in a plant. The technical solutions of the present invention provide new genetic resources and a theoretical basis for molecular breeding for disease resistance in a plant.

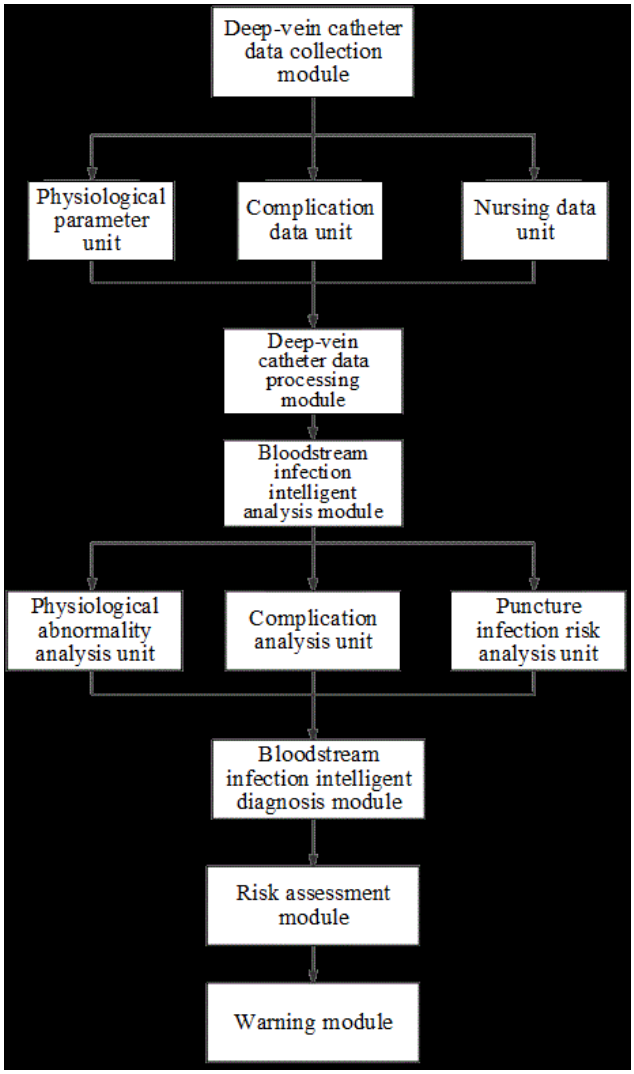


21: 2025/06692. 22: 2025/08/11. 43: 2026/03/04
51: A61B
71: THE FIRST AFFILIATED HOSPITAL OF SOOCHOW UNIVERSITY
72: XIAO, Chengjiao, BI, Guorong, YANG, Xiu, WANG, Gang, YANG, Yufan, JI, Fuhai, PENG, Ke, LIU, Huayue, SHAN, Xisheng, MENG, Xiaowen, MA, Zhengmin, ZHAO, Dan

54: INTELLIGENT WARNING SYSTEM FOR DEEP-VEIN CATHETER-RELATED BLOODSTREAM INFECTION

00: -

The present invention relates to the technical field of medical treatments, and discloses an intelligent warning system for a deep-vein catheter-related bloodstream infection. The system includes a deep-vein catheter data collection module, a deep-vein catheter data processing module, a bloodstream infection intelligent analysis module, a bloodstream infection intelligent diagnosis module, a risk assessment module, and a warning module. The system integrates patient physiological parameters, catheter usage, and nursing operation records to calculate a physiological abnormality score Ex, a catheter-induced complication infection risk index Qz, and a puncture infection risk index Qy, to achieve standardized processing and dynamic analysis of data. Therefore, the system can identify early abnormal signals of infection in real time, accurately classify low-, medium-, and high-risk grades, and take corresponding measures of routine monitoring, strengthened nursing, and emergency intervention. This effectively solves the problems of difficult early warning of bloodstream infections, lagging in risk assessments, and a lack of targeted intervention measures, thereby reducing the incidence of deep-vein catheter-related bloodstream infections, and improving the timeliness of clinical infection prevention and control.



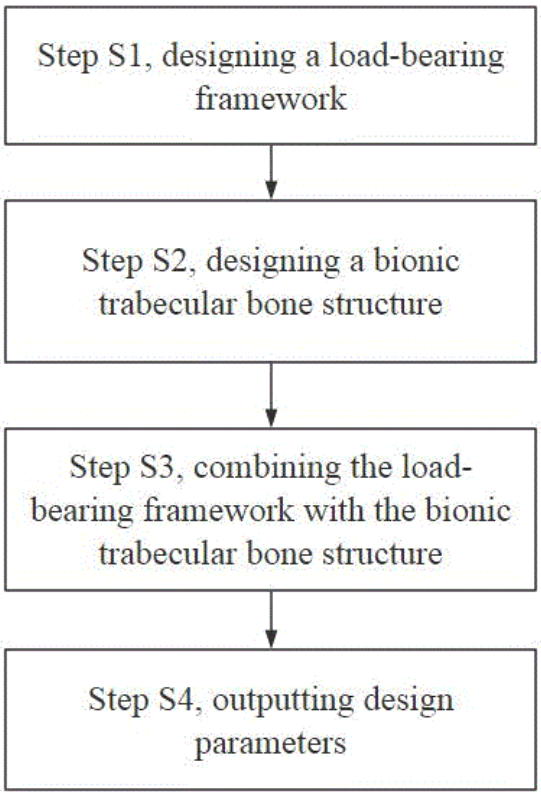
21: 2025/06693. 22: 2025/08/11. 43: 2026/03/04
51: A61F
71: HONGHUI HOSPITAL
72: LI Jialiang

54: DESIGN METHOD AND PREPARATION PROCESS FOR CERVICAL INTERVERTEBRAL FUSION CAGE BASED ON 3D PRINTING TECHNOLOGY

00: -

The present invention discloses a design method and preparation process for a cervical intervertebral fusion cage based on 3D printing technology, including Step S1, designing a load-bearing framework; designing a load-bearing framework adapted to human vertebral bodies based on the patient's cervical intervertebral disc imaging data and research on the direction of cervical mechanical

conduction; Step S2, designing a bionic trabecular bone structure; designing the bionic trabecular bone structure through a Voronoi method based on scaling factors and seed point density; Step S3, combining the load-bearing framework with the bionic trabecular bone structure; combining the load-bearing framework as the boundary and the bionic trabecular bone structure as the filling; Step S4, outputting design parameters; outputting the obtained design parameters for convenient subsequent production. The present invention is more suitable for the human cervical spine in mechanical bearing, conducive to reconstructing physiological mechanical conduction, and has better stimulation for cell and bone tissue growth. It can process complex structures, reduce costs, improve production efficiency, and has broad development prospects in the field of orthopedics.

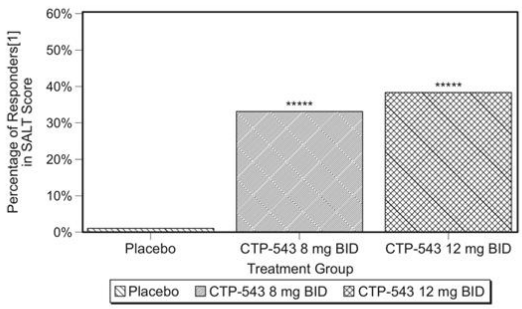


21: 2025/06696. 22: 2025/08/11. 43: 2026/02/09
51: A61K; C07B; C07D; A61P
71: SUN PHARMACEUTICAL INDUSTRIES, INC.
72: BRUMMEL, Christopher L., CASSELLA, James V., HOLDEN, Meghan A.
33: US 31: 63/543,470 32: 2023-10-10
33: US 31: 63/543,885 32: 2023-10-12
33: US 31: 63/625,125 32: 2024-01-25
33: US 31: 63/673,600 32: 2024-07-19
33: US 31: 63/675,577 32: 2024-07-25
33: US 31: 63/697,634 32: 2024-09-23

54: METHOD OF TREATING HAIR LOSS DISORDERS

00: -

The disclosure relates to treatment of Alopecia Areata comprising the administration of Compound (I) or a pharmaceutically acceptable salt thereof.



BID = twice daily; SALT = Severity of Alopecia Tool
NOTE: Percentages were based on observed data. *P* values were based on the Mantel-Haenszel estimate stratified by baseline scalp hair loss (partial vs complete/near-complete) for each treatment group compared to placebo.
Missing values were imputed using MI under MAR assumptions.
[1] Responders are subjects with SALT score ≤20.
*****P value ≤0.0001

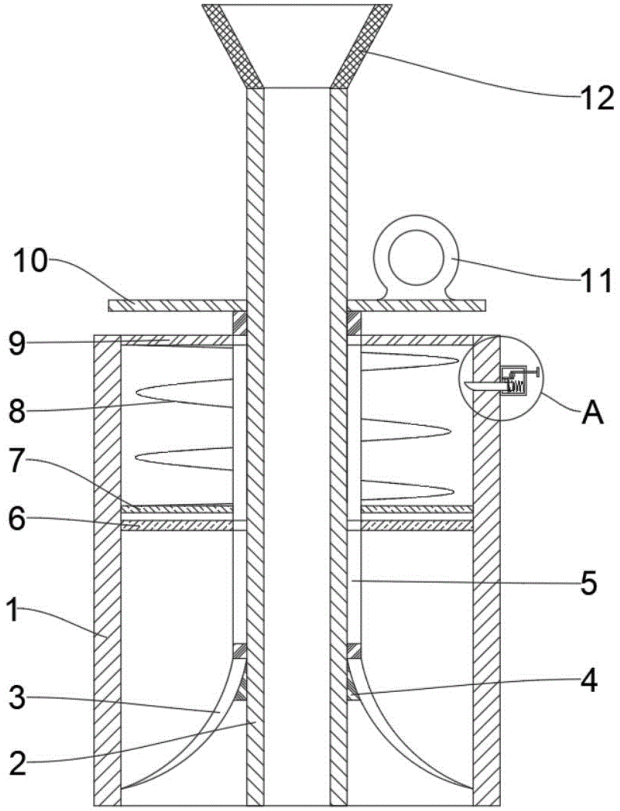
21: 2025/06697. 22: 2025/08/11. 43: 2026/03/04
51: A01H
71: Dezhou Academy of Agricultural Sciences
72: DUAN Qingqing, HAN Meimei, ZHANG Luqi, ZHANG Zikun, CHANG Peipei, WANG Jingjing, LI Tengfei, ZHANG Shaoli, WANG Youping

54: STABLE POLLINATION DEVICE FOR PEPPER BREEDING

00: -

The invention belongs to the technical field of pepper pollination, and particularly relates to a stable pollination device for pepper breeding. When the device works, an outer tube is sleeved on the outer side of sepals and corolla, a stigma extends into a pollination tube to position and fix a flower, at this time, a plurality of flexible blades are in a contracted state, an inner tube moves down, the flexible blades move down along with the inner tube, and at the same time, the flexible blades open under the action of a guide block to cut off the sepals and corolla; pollination is performed on the stigma through the pollination tube, after pollination is completed, the outer tube is taken down, and a plastic film is wrapped on the stigma to complete the pollination work. The device is capable of achieving closed

pollination, preventing anthers from entering during the cutting process, thereby maintaining the stability of cross-pollination; flowers are positioned and fixed through the combined action of the outer tube and the pollination tube; sepals and anthers are circumcised through the flexible blades to realize emasculation, and the device is simple in structure and convenient to use.

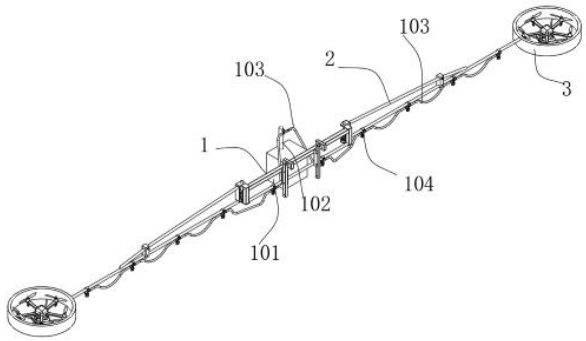


21: 2025/06698. 22: 2025/08/11. 43: 2026/03/04
51: A01C
71: INSTITUTE OF INDUSTRIAL CROPS, HENAN ACADEMY OF AGRICULTURAL SCIENCES
72: Zhu Jiacheng, Cao Jinhua, Zhang Shufa, Cai Dongfang, He Junping, Zhao Lei, Wang Dongguo, Zhang Shufen, Liu Yizi
33: CN 31: 202411455510.8 32: 2024-10-18

54: A BACKPACK-TYPE RAPESEED SEEDING DEVICE

00: -

This invention discloses a backpack-type rapeseed seeding equipment, specifically relating to the field of seeding equipment technology. It includes a nylon bracket, on which a seeding assembly is arranged. The seeding assembly comprises a storage box set on the nylon bracket, and the storage box is equipped with a feeding roller for extracting seeds. This invention adjusts the flow rate of seeds ejected by the spreader, ensuring more uniform seeding. It also adjusts the angle of the extension frame to enhance diversity during seeding. Moreover, the backpack-type seeding method can adapt to different complex terrains. The protective ring can be raised to support the nylon bracket and extension frame, making the device lighter to carry on the body, reducing work intensity and improving seeding efficiency.



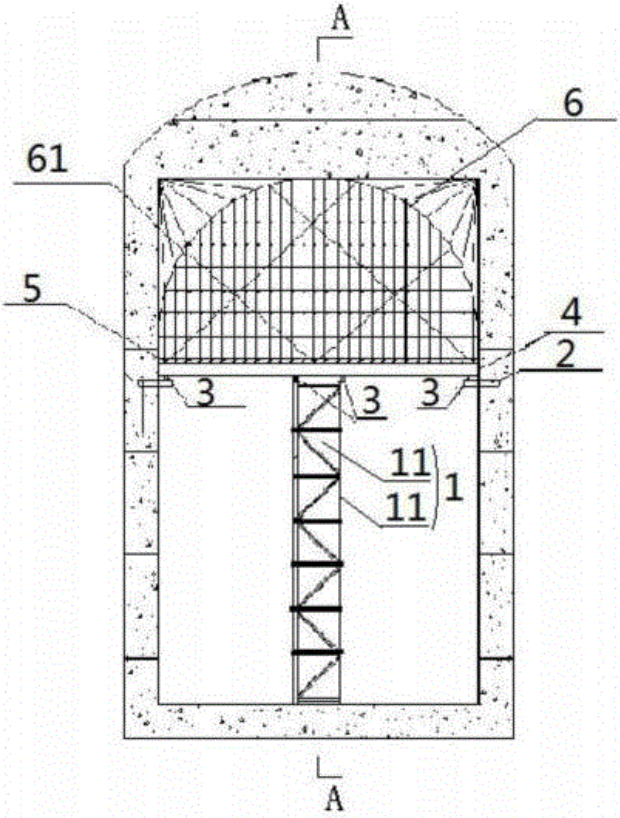
21: 2025/06699. 22: 2025/08/11. 43: 2026/03/04
51: E21D
71: Kunming University of Science and Technology
72: SHEN Chunying, WANG Mingming, YE Ming, REN Changchun, XU Cundong, HE Jinxing, XU Qiang, ZHANG Guohui, ZHANG Hongbo

54: SUPPORTING DEVICE SUITABLE FOR LINING OF ARCH CROWN OF SPECIAL-SHAPED TUNNEL

00: -

The invention discloses a supporting device suitable for lining of arch crown of special-shaped tunnel, which includes a steel column (1), a plurality of pre-embedded I-steels (2), four make-up beams (3), a plurality of main beam I-steels (4), a plurality of bamboo springboards, a plurality of channel steels (5) and a load-bearing framing (6). The steel column (1) is supported on the foundation surface of the special-shaped tunnel; the plurality of pre-embedded I-steels (2) are vertically pre-embedded at intervals in the upper parts of the two side walls of the special-shaped tunnel; two make-up beams (3) are laid flat on the tops of the pre-embedded I-steels (2), and the other two make-up beams (3) are laid flat on the upper end surface of the steel column (1); the plurality of main beam I-steels (4) are erected on the

tops of the make-up beams (3); the plurality of bamboo springboards are fully laid on the tops of the main beam I-steels (4); the plurality of channel steels (5) are respectively laid on the construction platform; the load-bearing framing (6) is erected on the tops of the channel steels (5). The supporting device has the advantages of fast erection speed, low construction cost, recyclability and the like.



21: 2025/06700. 22: 2025/08/11. 43: 2026/03/04
51: A61K
71: VETERINARY RESEARCH INSTITUTE OF XINJIANG ACADEMY OF ANIMAL SCIENCES (ANIMAL CLINICAL MEDICINE RESEARCH CENTER OF XINJIANG ACADEMY OF ANIMAL SCIENCES)
72: MI, Xiaoyun, WEI, Yurong, WU, Jianyong, WEI, Jie, MIAO, Shukui, WANG, Qi, SU, Zhanqiang, HURCHA, LU, Guili, MAYA, Zhen, SU, Guicheng, SHI, Yi, DING, Jian, GUO, Houjun

54: METHOD FOR PREPARING HYBRIDOMA CELL LINE PRODUCING MONOCLONAL ANTIBODY AGAINST SEROTYPE A FOOT-AND-MOUTH DISEASE ANTIGEN

00: -

The present invention provides a method for preparing a hybridoma cell line producing monoclonal antibody against serotype A foot-and-mouth disease antigen. The present invention obtains splenocytes secreting antibodies against whole FMDV serotype A antigen by processing whole-virus antigen of foot-and-mouth disease virus serotype A and immunizing Balb/c mice; and generates hybridoma cell lines producing anti-FMDV-A monoclonal antibodies through fusion of said splenocytes with SP2/0 myeloma cells. The present invention establishes an essential basis for differentiating between FMDV serotype A vaccine-induced infection and natural infection, as well as for detecting whole foot-and-mouth disease virus serotype A virions.

	1	2	3	4	5	6	7	8	9	10	11	12
A	1.629	1.641	1.015	1.105	0.793	0.856	0.752	0.742	0.439	0.525	0.364	0.382
B	0.214	0.154	0.135	0.145	0.107	0.108	0.081	0.081	0.071	0.065	0.054	0.064
C	1.42	1.42	0.848	0.917	0.686	0.814	0.624	0.631	0.46	0.475	0.316	0.33
D	0.204	0.19	0.125	0.132	0.096	0.1	0.078	0.081	0.071	0.067	0.059	0.06
E	0.064	0.053	0.05	0.049	0.049	0.05	0.049	0.049	0.042	0.041	0.042	0.041
F	0.063	0.059	0.055	0.049	0.047	0.048	0.048	0.047	0.05	0.05	0.054	0.051
G	0.063	0.06	0.059	0.057	0.05	0.047	0.048	0.051	0.051	0.052	0.05	0.051
H	0.063	0.055	0.051	0.048	0.05	0.051	0.052	0.049	0.05	0.049	0.051	0.049

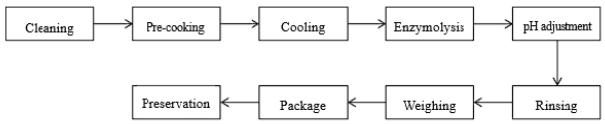
21: 2025/06701. 22: 2025/08/11. 43: 2026/03/05
51: G06Q
71: SOUTHWEST UNIVERSITY
72: LI, Hongjun, HE, Zhifei

54: METHOD FOR MECHANICALLY AND CONTINUOUSLY PROCESSING HOT POT TRIPE THROUGH ENZYMOLYSIS

00: -

The present invention belongs to the technical field of food processing, and discloses a method for mechanically and continuously processing hot pot tripe through enzymolysis. The method includes: placing fresh tripe, salted tripe or dried tripe on a continuous processing production line, pre-cooking the tripe in boiling water, cooling the tripe, performing a first-stage pre-cooking in a composite food enzyme solution for enzymolysis and swelling, then performing a second-stage pre-cooking, adjusting a pH value to 7.5-9.0, and finally rinsing, weighing and packaging. According to the present invention, the hot pot tripe is mechanically and continuously processed, and all links from tripe raw materials to finished products are automatically transmitted through a conveyor belt, which saves manpower and material resources and improves the production efficiency of hot pot tripe. The present invention performs enzymolysis processing on the hot pot tripe by enzyme engineering technology,

thereby maintaining the appearance and taste of the product, improving the hygiene and safety of the hot pot tripe, and meeting the requirements of consumers.

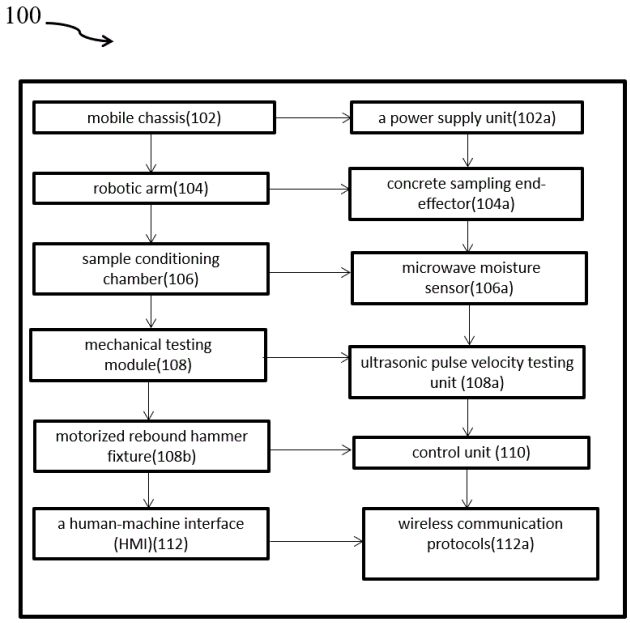


21: 2025/06702. 22: 2025/08/11. 43: 2026/03/05
51: G01M
71: 1XL Infra & Real Estate Development L.L.C
72: Shubham Dhadiwal, Parag Dhadiwal

54: APPARATUS FOR AUTOMATED CONCRETE QUALITY ASSESSMENT IN ON-SITE CONSTRUCTION

00: -

The present invention relates to an apparatus and system for the automated assessment of concrete quality during on-site construction operations. The invention integrates a mobile robotic platform equipped with a multi-degree-of-freedom articulated arm for concrete sampling, a sample conditioning and homogenization chamber embedded with sensor arrays, and a mechanical testing module configured for non-destructive strength estimation. The system utilizes microwave moisture sensing, rotational viscometry, thermistor-based temperature monitoring, ultrasonic pulse velocity (UPV) analysis, and rebound hammer testing, all controlled and interpreted through an embedded microcontroller interfaced with a GPU-enabled artificial intelligence engine. The collected sensor data is processed in real time by a machine learning model trained on historical concrete performance datasets to generate accurate quality assessments and classifications. The system further includes wireless communication modules, GPS-based geotagging, and a touchscreen interface for on-site visualization and control.

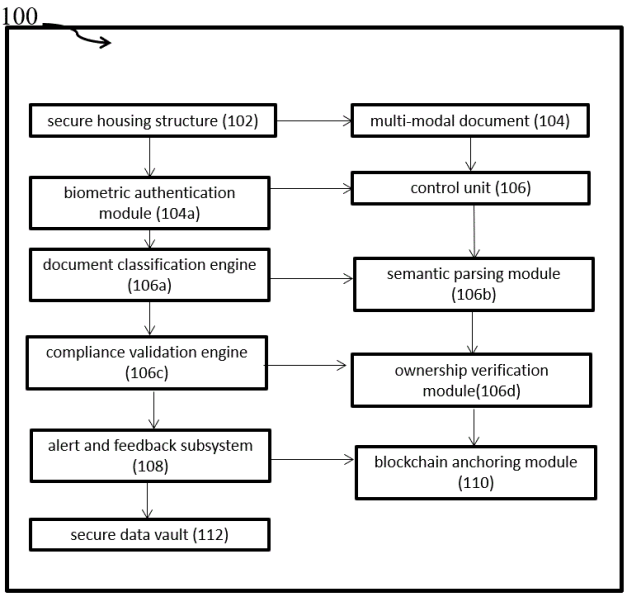


21: 2025/06703. 22: 2025/08/11. 43: 2026/03/05
51: G06Q
71: 1XL Infra & Real Estate Development L.L.C
72: Dhiraj Kantilal Jain, Mamata Dhiraj Jain

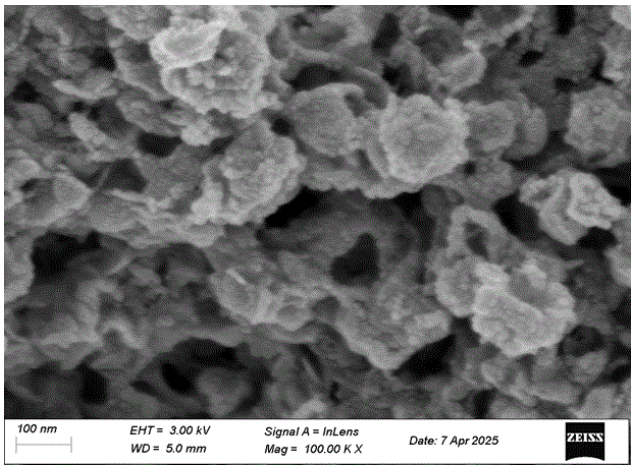
54: APPARATUS FOR AUTOMATED DOCUMENTATION AND COMPLIANCE MANAGEMENT IN REAL ESTATE TRANSACTIONS

00: -

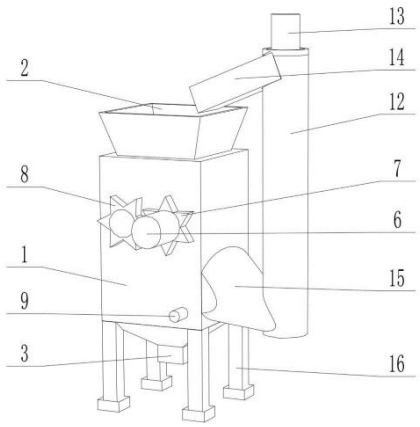
The present invention relates to an integrated apparatus for automated documentation and compliance management in real estate transactions. The apparatus combines multiple hardware and software subsystems within a secure housing to streamline the end-to-end processing of property-related documentation. It features a multi-modal document intake interface that supports physical scanning, biometric authentication, and digital document uploads. A control unit governs the operation of a document classification engine, a semantic parsing module using natural language processing, and a multi-tiered compliance validation engine configured to cross-verify documents against legal, financial. The apparatus includes API-based integration with government databases for real-time title verification and tax compliance, and a blockchain anchoring module ensures auditability and tamper resistance by hashing transaction checkpoints into a distributed ledger.



21: 2025/06706. 22: 2025/08/11. 43: 2026/03/05
51: C22C
71: HAINAN NORMAL UNIVERSITY
72: Chunyan DAI, Xi LIU, Linhua ZHU, Ziqi ZHANG, Tiyan YU, Anfei LI, Yuting FU
33: CN 31: 2025108394669 32: 2025-06-23
54: USE AND PREPARATION METHOD OF MOLYBDENUM-DOPED COBALT TETROXIDE
00: -
This disclosure discloses use of molybdenum-doped cobalt tetroxide and a preparation method thereof. The molybdenum-doped cobalt tetroxide has a structural formula of CoMoO4. The molybdenum-doped cobalt tetroxide can be used for catalytic oxidative desulfurization. The specific method is as follows: the sulfur-containing oil is mixed with molybdenum-doped cobalt tetroxide, subjected to ultrasonic treatment, and then air is introduced by bubbling to react, thereby achieving deep desulfurization of the sulfur-containing oil. The catalyst of this disclosure can achieve the best catalytic effect without stirring and with the minimal catalyst dosage, significantly improving the efficiency of catalytic oxidative desulfurization. In addition, the catalyst is readily recoverable and reusable, greatly reducing the cost of use.



21: 2025/06727. 22: 2025/08/12. 43: 2026/03/05
51: B02C
71: SHANXI INSTITUTE OF ENERGY
72: ZHANG Liying, ZHOU Jianguo, GAO Yonghong, GUO Hantao, LI Yan, ZHANG Chen, ZHANG Yun, WEN Guifeng, SUN Lifang
54: HIGH-EFFICIENCY COAL CRUSHER SUITABLE FOR SMALL COAL MINES
00: -
The invention discloses a high-efficiency coal crusher suitable for small coal mines, belonging to the technical field of coal mining equipment. The crusher includes a crushing box, with a feed inlet at the top and a discharge outlet at the bottom. Inside the box, there are sequentially arranged a crushing mechanism, a screening mechanism, and a reflux component. The crushing mechanism achieves coal crushing through the relative rotation of two crushing rollers equipped with crushing teeth. The screening mechanism employs an inclined and elastically connected screening plate, driven by a vibration assembly, to screen the crushed coal. The reflux component returns coal that does not meet the particle size requirements to the crushing mechanism for re-crushing. The invention efficiently completes coal crushing, screening, and the reflux treatment of unqualified materials, with excellent crushing effects and high efficiency, meeting the demands of coal mining for crushing operations.

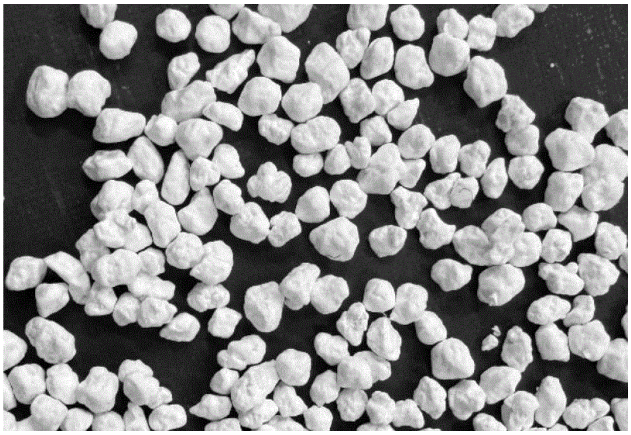


21: 2025/06728. 22: 2025/08/12. 43: 2026/03/05
51: C04B
71: University of Science and Technology Beijing
72: CHEN Deping, YU Zehua, WEI Ping, YANG Jinxi, ZHAO Qingkai, LI Zihan, HUANG Feifei

54: CEMENT EARLY STRENGTH AGENT WITH HIGH STRENGTH, CONTROLLED RELEASE, AND EARLY STRENGTH EFFECTS BASED ON NESQUEHONITE AND ACTIVATED MAGNESIUM OXIDE

00: -

The present invention provides a cement early strength agent with high strength, controlled release, and early strength effects based on nesquehonite and activated magnesium oxide, relating to the technical field of cement-based material preparation. The preparation steps include: stirring and mixing nesquehonite powder, activated magnesium oxide slurry with water or an alkaline solution, followed by rolling; placing the rolled material in a disc granulator to obtain near-spherical granules; curing the near-spherical granules under sealed conditions; immersing the cured granules in a calcium stearate suspension, then allowing them to stand for solidification; and sieving to obtain the cement early strength agent. The present invention utilizes the synergistic effect of activated magnesium oxide and nesquehonite, and in-situ reaction generates a thin layer of phase on the surface of nesquehonite crystals, which not only improves the strength of the cement early strength agent but also inhibits the flash setting phenomenon caused by the rapid dissolution of nesquehonite in the cement slurry. The prepared cement early strength agent has high strength, controlled release, and early strength effects.

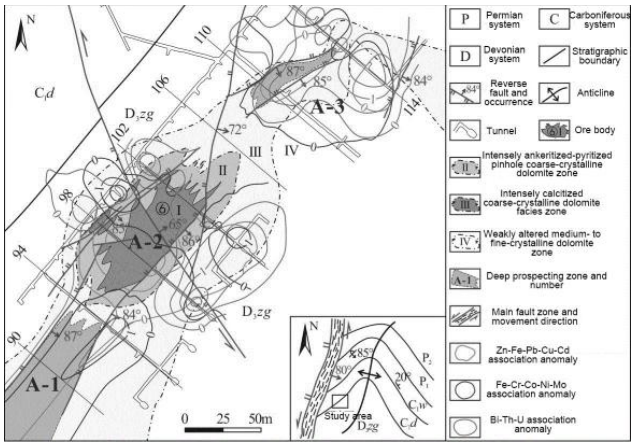


21: 2025/06731. 22: 2025/08/12. 43: 2026/03/05
51: G01N
71: Kunming University of Science and Technology
72: Han Runsheng, Zhang Yan, Huang Baosheng, Wei Pingtang, Hu Ticai, Liu Hongwei, Wang Lei

54: METHOD FOR RAPIDLY CAPTURING DEEP MINERALIZATION INFORMATION OF HYDROTHERMAL ORE DEPOSIT

00: -

Disclosed in the present invention is a method for rapidly capturing deep mineralization information in a hydrothermal ore deposit. According to the method, on the basis of a new concept of "a structural system controlling a hydrothermal ore-forming system, and an information exploration system mapping the hydrothermal ore-forming system", the difficulty of extracting mineralization information from deep and peripheral or exploration areas of the hydrothermal ore deposit is solved through the operation procedures including the identification of ore-forming structures within the hydrothermal ore deposit or exploration areas, profile measurement, collection and processing of structural altered rock samples and multi-element quantitative analysis, capture of deep mineralization information, and delineation of mineralization anomalies. The method provides a crucial basis for delineating target prospecting areas and deploying exploration engineering in a deep part of the ore deposit or in the exploration areas.

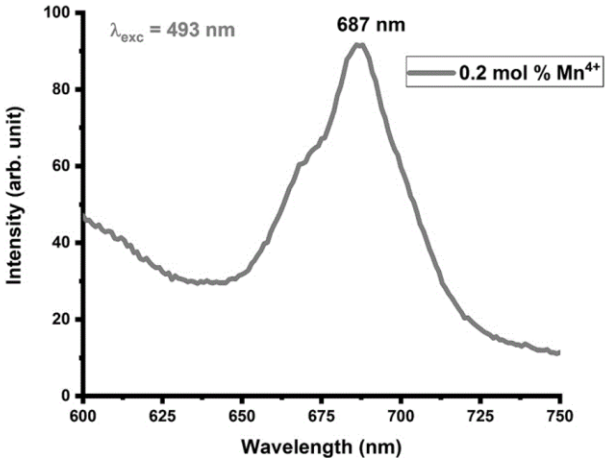


21: 2025/06732. 22: 2025/08/12. 43: 2026/03/05
51: A01G
71: HELODE, Sanket J., KAMDI, Vedang H., MANAPURE, Rasika C., BANSOD, Amit R., DHOBLE, Sanjay J.
72: HELODE, Sanket J., KAMDI, Vedang H., MANAPURE, Rasika C., BANSOD, Amit R., DHOBLE, Sanjay J.

54: SYNTHESIS PROCESS OF NACALA0.9998WO6: 0.0002 MN4+ PHOSPHOR FOR PLANT CULTIVATION

00: -

The present invention is related to synthesis process of NACALA0.9998WO6 0.0002 MN4+ phosphor for plant cultivation, exhibiting deep-red/far-red emission optimized for plant cultivation lighting. The phosphor is synthesized via a high-temperature solid-state reaction at 950 °C in air using environmentally safe precursors, avoiding toxic fluoride processes and expensive rare-earth activators. The resulting material demonstrates a broad excitation range from 250–600 nm with prominent peaks at 357 nm and 493 nm, and a narrow emission band from 650–750 nm, peaking at 687 nm. The emission spectrum strongly overlaps with the absorption bands of chlorophyll B and phytochrome PFR, enabling efficient energy utilization in photosynthesis and photomorphogenesis. Photometric characterization yields CIE coordinates of (0.7290, 0.2710) with 100% color purity, confirming suitability for plant growth LEDs. This invention offers a cost-effective, stable, and environmentally friendly phosphor for controlled-environment agriculture, enhancing yield and quality through optimized light spectra.

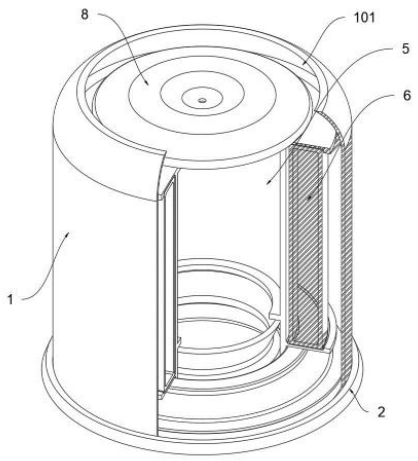


21: 2025/06733. 22: 2025/08/12. 43: 2026/03/05
51: B63B
71: Dalian Maritime University
72: Bai Jun, Yu Jiajia

54: PRACTICAL LIFESAVING DEVICE FOR OCEAN-GOING VESSEL

00: -

The present invention belongs to the technical field of vessel lifesaving devices, and specifically to a practical lifesaving device for an ocean-going vessel. The device includes a gas tank body, an opening is disposed at a middle part of an upper end face of the gas tank body, outward-folded ends are arranged at a bottom of the gas tank body away from the opening, and a sealing bottom cover is fixedly mounted on a lower surface of the gas tank body. Through the dual-sealing and elastic compression design of sealing lock kits, the gas leakage rate is dramatically reduced, maximizing the utilization of generated gas for the inflation process. Through a fitting design between a lower surface of a life raft and a gas vent of a gas-generating cylinder, combined with an abutting structure between a bottom conduit of an airbag and the gas vent, gas transmission losses are minimized, achieving rapid inflation deployment of the life raft and inflatable bags. By using this high-efficiency gas generation and utilization pattern, the time from emergency onset to lifesaving device readiness is drastically cut, providing a person in distress with valuable time for escape and awaiting rescue.



21: 2025/06752. 22: 2025/08/13. 43: 2026/03/05
51: C06B
71: Inner Mongolia Baotou Steel Jitai Chemical Co., Ltd, BGRIMM Explosives & Blasting (Cangzhou) Technology Co., Ltd., BGRIMM Explosives & Blasting Technology Co., Ltd.
72: Liu Feng, Wang Ming, Fan Haolin, Ye Hui, Zhang Xin, Ma Ping, Tan Benling, Cui Gang, Wang Zhaozhong, Hao Huijuan, Zhang Wei, Tang Liting, Chai Xueping, Song Lei, Zhao Wei, Wang Jianjun
33: CN 31: 2025104576865 32: 2025-04-11
54: OIL PHASE MATERIALS AND THEIR PREPARATION METHODS, INCLUDING THE INVENTIONS IN EXPLOSIVE PREPARATION
00: -
This invention provides an oil phase material and its preparation method, an explosive comprising the oil phase material and its preparation method. The oil phase material is a homogeneous dispersion containing composite surfactants, chelating stabilizing agents, organic alcohols, higher fatty acids, water, oil, and pour point depressant. Based on 100 parts by weight, the weight of composite surfactants is 5 to 20 parts, the weight of chelating stabilizing agents is 1 to 5 parts, the weight of organic alcohols is 10 to 30 parts, the weight of higher fatty acids is 1 to 40 parts, the weight of water is 1 to 50 parts, the weight of oil is 1 to 50 parts, and the weight of pour point depressant is 0.2 to 2 parts. The oil phase material according to the embodiments of the present invention has good dispersibility and adsorption, compatibility with porous granular ammonium nitrate, low temperature stability, storage stability, and good flowability. It can be tightly combined with ammonium nitrate with porous structure, thereby greatly improving the detonation performance and storage stability of ANFO explosive.

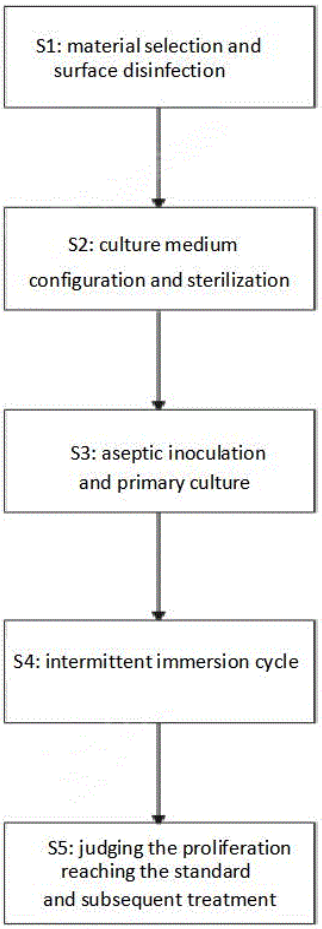
21: 2025/06753. 22: 2025/08/13. 43: 2026/03/05
51: C06B
71: Inner Mongolia Baotou Steel Jitai Chemical Co., Ltd, BGRIMM Explosives & Blasting (Cangzhou) Technology Co., Ltd., BGRIMM Explosives & Blasting Technology Co., Ltd.
72: Wang Ming, Liu Feng, Ye Hui, Fan Haolin, Zhang Xin, Ma Ping, Tan Benling, Cui Gang, Wang Zhaozhong, Hao Huijuan, Zhang Wei, Tang Liting, Chai Xueping, Song Lei, Zhao Wei, Wang Jianjun
33: CN 31: 2025104576812 32: 2025-04-11
54: OIL PHASE MATERIAL FOR ANFO EXPLOSIVE, ITS PREPARATION METHOD, AND ANFO EXPLOSIVE CONTAINING THE SAME
00: -
The present invention provides an oil phase material for ANFO explosive and its preparation method, as well as an ANFO explosive comprising the oil phase material and its preparation method. The oil phase material is a solution including a dual solubility additive, a solubilization additive, an interface stabilization additive, water, oil, and a pour point depressant. Based on a weight of 100 parts, the weight of the dual solubility additive is 10 to 30 parts, the weight of the solubilization additive is 1 to 30 parts, the weight of the interface stabilization additive is 1 to 10 parts, the weight of water is 1 to 70 parts, the weight of oil is 10 to 70 parts, and the weight of the pour point depressant is 0.1 to 5 parts. Under the effect of a dual-solubility auxiliary agent and a solubilization-enhancing agent, the oil phase material can achieve mutual solubility with water. By adjusting the content of each component, an oil phase material with polarity close to that of porous granular ammonium nitrate is obtained. The oil phase material is easy to adsorb and can tightly bind with porous granular ammonium nitrate, thereby greatly improving the detonation performance and storage stability of ANFO explosive.

21: 2025/06755. 22: 2025/08/13. 43: 2026/03/05
51: A01H
71: EXPERIMENTAL CENTER OF TROPICAL FORESTRY CHINESE ACADEMY OF FORESTRY
72: Runmei Duan, Hongyan Jia, Jihuang Xu, Hongguo Li, Pei Zhang, Hao Fu, Honghui Chen, Qiyao Zeng, Guangjin Liu, Qingxiang Lao

54: PROLIFERATION CULTURE METHOD OF EUCALYPTUS PELLITA TISSUE CULTURE SEEDLINGS BY INTERMITTENT IMMERSION IN LIQUID

00: -

The invention discloses a proliferation culture method of Eucalyptus pellita tissue culture seedlings by intermittent immersion in liquid, and relates to the field of rapid propagation of forest clones. In order to solve the problems of slow proliferation of Eucalyptus pellita in solid matrix, easy vitrification and browning in continuous liquid, high cost of special equipment and complicated maintenance, a method of intermittent immersion in liquid proliferation only relying on Petri dishes was proposed: short-term immersion and long-term non-immersion circulation were carried out on explants in liquid culture medium, and the gas phase was kept in light during non-immersion period, and the temperature was controllable. The culture medium was conventional MS with cytokinin and auxin. This method decouples nutrient supply and gas exchange with time rhythm, which significantly improves proliferation multiple and uniformity, reduces vitrification, browning and pollution, and reduces transfer and cost. Structurally, it consists of a Petri dish, a liquid culture medium and intermittent operation steps, and the process is simple and easy to popularize.



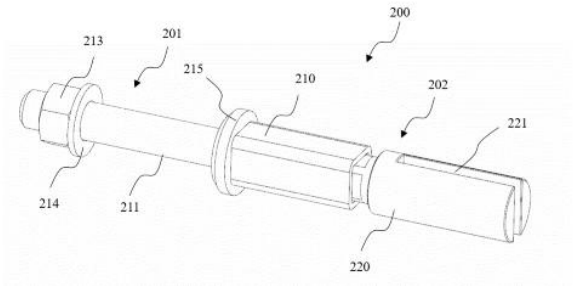
21: 2025/06757. 22: 2025/08/13. 43: 2026/03/05
51: A63B
71: Maxim Andreevich Chernyaev
72: Maxim Andreevich Chernyaev
33: RU 31: 2025108907 32: 2025-04-10

54: RESISTANCE BAND ANCHOR FOR POWER RACK

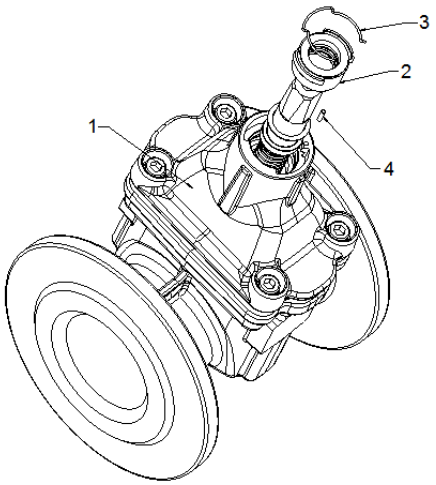
00: -

The claimed device relates to sports equipment, particularly to anchors for resistance bands for doing exercises using a power rack. The objective of the invention is to make it possible to adjust the resistance provided by a resistance band by wrapping it over an anchor placed on a power rack. An anchor for a resistance band that is placed into a hole in a power rack, the anchor comprised of two metallic parts, namely male and female parts, wherein the female part comprises a tail cylindrical part with a thread fastened by a nut, and a counterpart for the male part in the form of a bushing, wherein the male part comprises a square-sectioned tail part for coupling with the female part

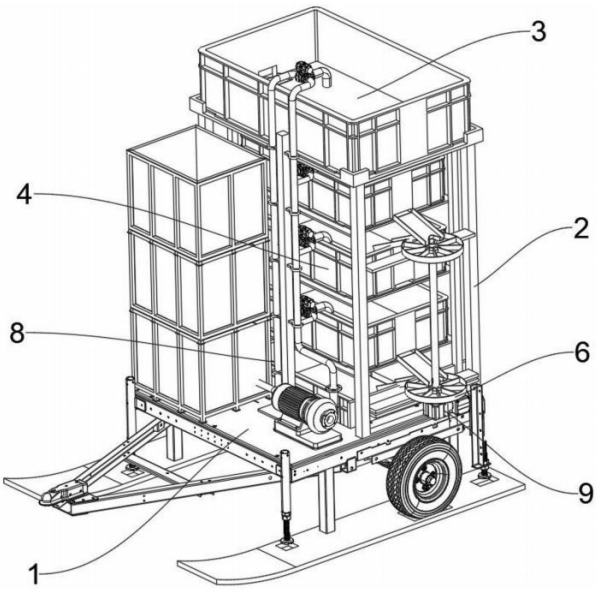
and a head part with an opening, and wherein the male part and the female part are coupled via a square slot.



21: 2025/06758. 22: 2025/08/13. 43: 2026/03/05
51: H01G
71: SHANGHAI JOHNSON VALVE INDUSTRIES CO., LIMITED
72: REN, Zhe
33: CN 31: 2025212926457 32: 2025-06-24
54: A NOVEL UNIVERSAL VALVE COVER STRUCTURE
00: -
The disclosure relates to the technical field of valve covers, specifically disclosing a novel universal valve cover structure which comprises: a valve cover, a copper sealing sleeve, a rotation-preventing snap ring, and a fixing pin, wherein, the valve cover having two 90° fan-shaped grooves symmetrically cast arranged on its inner wall, the copper sealing sleeve having two 90° fan-shaped lugs corresponding to the fan-shaped grooves of the valve cover symmetrically arranged on its outer wall, the valve cover having a ring groove processed along its upper edge, and the copper sealing sleeve axially installed into the valve cover through its fan-shaped lugs along the fan-shaped grooves of the valve cover, then rotating by 90 degrees to engage the fan-shaped lugs into the ring groove along the upper edge of the valve cover. The rotation of the copper sealing sleeve is restricted by the rotation-preventing snap ring. This structure enhances the reliability and machining convenience of the internal sealing sleeve in the valve cover, simplifies the product assembly process, reduces raw material consumption, streamlines machining procedures, shortens assembly time, and thereby improves work efficiency.

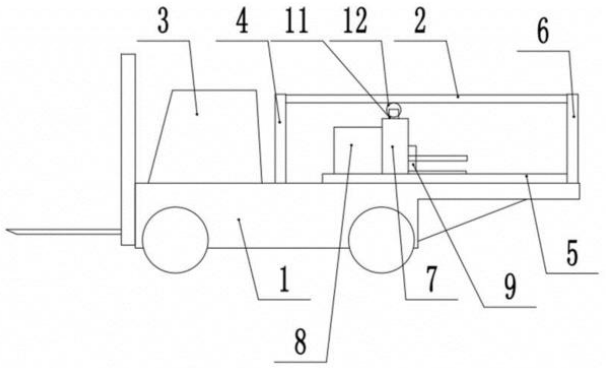


21: 2025/06759. 22: 2025/08/13. 43: 2026/03/05
51: G06Q
71: JIANGSU OCEAN UNIVERSITY, JIANGSU HAILINGHU ECOLOGICAL TECHNOLOGY DEVELOPMENT CO., LTD
72: GE, Hongxing, PANG, Sujing, DOU, Qiang, DONG, Zhiguo, NI, Qian, SUN, Yanming
54: DEVICE FOR RELEASING FRY ON BEACH FOR FISHERY-TOURISM USE
00: -
The present invention relates to the technical field of marine fishery breeding, and discloses a device for releasing fry on a beach for fishery-tourism use. According to the present invention, since a plurality of fry guiding mechanisms are provided, the fry may be evenly distributed inside a separator when entering the separator from a fry inlet trough, so that the fry are separated to prevent the accumulation of the fry. The evenly distributed fry may be gradually discharged from a fry outlet trough inside the separator, and then may gradually enter a next transition chamber or a release chamber, so that a rate of releasing the fry may be reduced. With the provision of the plurality of fry guiding mechanisms, the effects of the fry guiding mechanisms may be superimposed, so that the rate of releasing the fry is further reduced, the distribution breadth of the fry in a water body where the fry need to be released is increased, the release density of the fry is reduced, and the survival rate of the fry may be more effectively ensured.



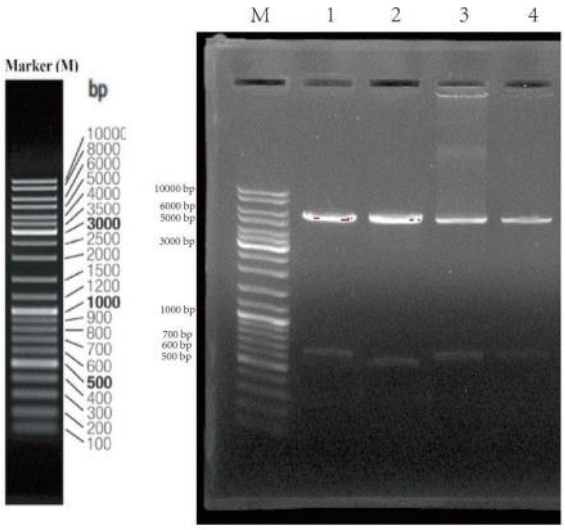
21: 2025/06768. 22: 2025/08/13. 43: 2026/03/05
51: A01N; C07K; A01P
71: BIOCONSORTIA, INC.
72: WILLIAMS, Thomas, MALIN, John, ZHU, Hong, ALFORD, Betsy, REIMCHE, Courtney, CURTIS, Damian
33: US 31: 63/489,771 32: 2023-03-12
54: ENHANCED DIAZOTROPHIC MICROORGANISMS FOR USE IN AGRICULTURE
00: -
The disclosure relates to genetically modified microorganisms, for the improvement of phenotypes of plants, for example nitrogen availability for leguminous plants. Included are novel strains of the microorganisms, microbial consortia, and agricultural compositions comprising the same. Furthermore, the disclosure teaches methods of utilizing the described microorganisms, microbial consortia, and agricultural compositions comprising the same, in methods for imparting beneficial properties to target plant species. In particular aspects, the disclosure provides methods of increasing desirable plant traits in agronomically important species, for example nitrogen fixation, utilization, regulation, uptake, acquisition, tolerance, and/or processing in plants.

21: 2025/06783. 22: 2025/08/14. 43: 2026/03/05
51: B66F
71: Linyi Vocational University of Science and Technology
72: ZHANG, Wentao
54: FORKLIFT
00: -
A forklift comprising a forklift chassis and a rack, with a cab fixed, a first support column, a guide rail, and a second support column fixed on the top surface. The guide rail has a main counterweight assembly, a secondary counterweight assembly, and a stacked counterweight assembly. The main counterweight assembly includes a counterweight block, a driving device, and a gear. The gear has a top end of the main counterweight block and meshes with the rack. The driving device can drive the gear to rotate. The secondary counterweight assembly includes an installation box and several secondary counterweight blocks. The installation box is fixedly connected to the main counterweight block, and the secondary counterweight block is used to be placed in the installation box. The stacked counterweight assembly includes several stacked counterweight blocks, which are stacked on the main counterweight block.



21: 2025/06785. 22: 2025/08/14. 43: 2026/03/05
51: C07K
71: Inner Mongolia Minzu University
72: WANG, Xingya, ZHAI, Jingbo, ZHANG, Shuai, WU, Yangtao, WANG, Hui, YANG, Yuanchao, GAO, Shuonan, XIAO, Renfang
33: CN 31: 202510858516.8 32: 2025-06-24
54: SIGNAL PEPTIDE FOR PROMOTING OMP25 EXPRESSION, FUSION PROTEIN CONTAINING SIGNAL PEPTIDE, AND APPLICATION THEREOF
00: -
The present invention provides a signal peptide for promoting OMP25 expression, a fusion protein containing the signal peptide, and application thereof. The signal peptide includes a tPAa signal peptide or a tPAs signal peptide. An amino acid sequence of the tPAa signal peptide is shown in SEQ ID NO.2, and an amino acid sequence of the

tPAs signal peptide is shown in SEQ ID NO.3. The present invention significantly enhances secretion efficiency of an outer membrane protein OMP25 of Brucella in a eukaryotic expression system through the signal peptide. In addition, the fusion protein containing the signal peptide enhances an antigen presentation ability of macrophages, induces Th1-type immune response, and drives the macrophages to be polarized to an M1-type phenotype, so as to significantly improve immunogenicity of the OMP25. The present invention provides an efficient method for preparing an antigen for Brucella vaccine development, which has significant practical value.

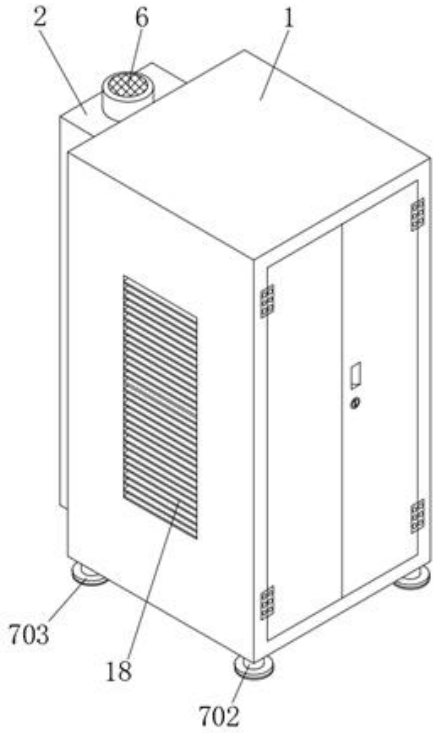


21: 2025/06786. 22: 2025/08/14. 43: 2026/03/05
51: G09B; H05K
71: NINGXIA NORMAL UNIVERSITY
72: CHEN, Peng, GU, Yusha

54: PROTECTIVE SERVER FOR SMART CLASSROOMS

00: -

Disclosed is a protective server for smart classrooms, comprising a server cabinet. A bellows is embedded on the left side of the server cabinet. The top and bottom of the wind box cavity are connected by rotating bearings with positive and negative threaded rods. The upper and lower positions of the outer surface of the positive and negative threaded rods are threaded with rectangular plates. The present invention facilitates the support of server cabinets and support components, while adjusting their horizontal state. By setting wind box, positive and negative threaded rods, rectangular plates, cooling fans, servo motors, PLC controllers, relays, and temperature sensors, it is easy to monitor the temperature inside the server cabinet and cool it down by blowing air. The heat dissipation protection effect can be improved, meeting the needs of customers, avoiding heat accumulation, and affecting the service life of electrical components.



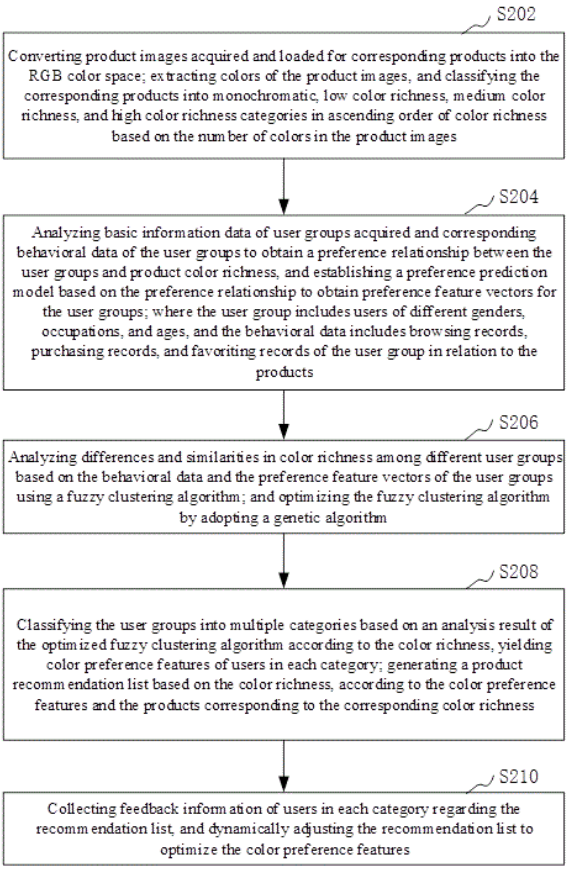
21: 2025/06787. 22: 2025/08/14. 43: 2026/03/05
51: G06Q
71: Guangzhou Maritime University
72: Zhihui ZHU, Ling XIANG, Zichen MA, Mengchi LI
33: CN 31: 202411190700.1 32: 2024-08-28

54: PERSONALIZED E-COMMERCE RECOMMENDATION SERVICE METHOD BASED ON GENETIC FUZZY CLUSTERING

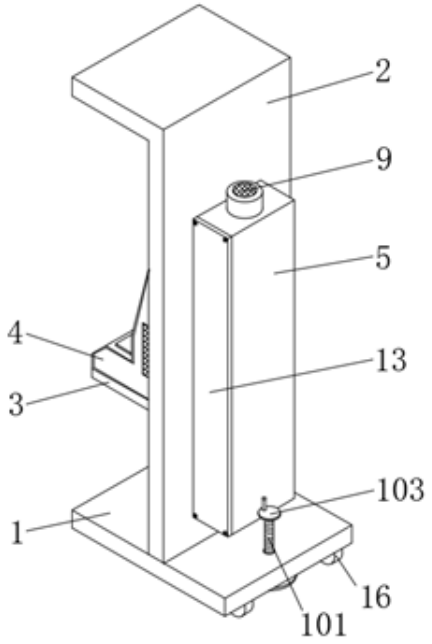
00: -

Disclosed is a personalized e-commerce recommendation service method based on genetic fuzzy clustering, including: classifying products in ascending order according to color richness; analyzing and obtaining a preference relationship between user groups and product color richness, and establishing a preference prediction model based on the preference relationship to obtain preference feature vectors of the user groups; analyzing differences and similarities in color richness among different user groups based on

behavioral data and preference feature vectors of the user groups; classifying the user groups into multiple categories according to the color richness, yielding color preference features of users in each category; generating a product recommendation list based on the color richness, according to the color preference features and the products corresponding to the color richness; and dynamically adjusting the recommendation list based on user feedback. The present application effectively improves user experiences during product selection.

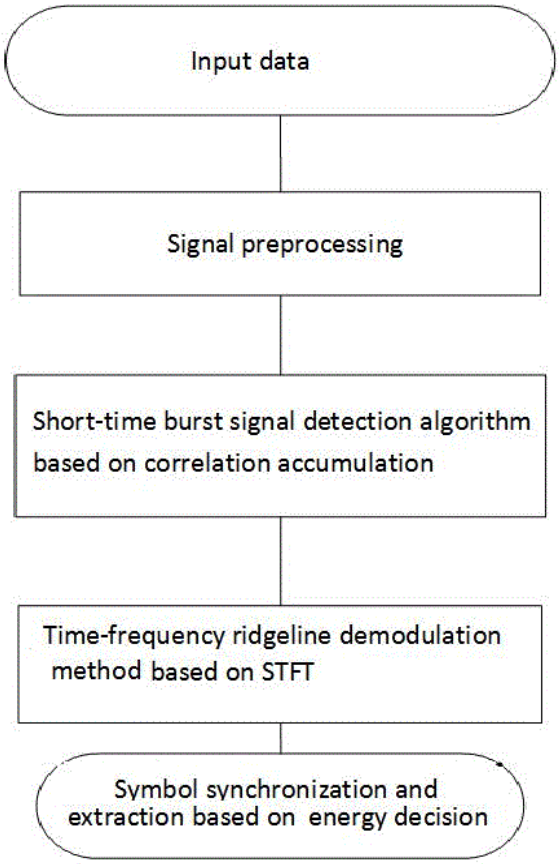


21: 2025/06790. 22: 2025/08/14. 43: 2026/03/05
51: G06F
71: XINYU UNIVERSITY
72: YANG, Wanqin, ZHANG, Yi, LI, Minyi, HU, Hongxia, HE, Wei, ZHOU, Yi
54: COMPUTER VISION BASED LIBRARY AI INTELLIGENT AUTOMATIC QUERY TERMINAL
00: -
The invention relates to library technology and discloses a computer vision-based AI intelligent automatic query terminal. The device includes a counterweight plate connected to an L-shaped plate, with an L-shaped frame slidably mounted inside. The AI query terminal body is fixed within the L-shaped frame. A driving box, threaded rod, rectangular plate, driving plate, and servo motor allow height adjustment for optimal positioning. A limit component enables pressing, adsorption, and locking to prevent unintended movement. The structure simplifies installation and positioning, allowing flexible adjustments to accommodate users of different heights and usage scenarios. The integration of computer vision enables automated identification of readers or books, enhancing query efficiency. The system combines mechanical adjustability with intelligent interaction, meeting diverse reader needs, improving ergonomics, and avoiding restrictions in use. The invention is particularly suited to modern libraries seeking advanced, user-friendly, and adaptive information retrieval solutions.



21: 2025/06791. 22: 2025/08/14. 43: 2026/03/05
51: G06F
71: Jiaxing Vocational & Technical College
72: Chunfang Gao
54: DEMODULATION METHOD OF LINK4A DATA LINK SIGNALS BASED ON STFT
00: -
The invention discloses a demodulation method of LINK4A data link signals based on STFT, which mainly solves the problem that the forward open-

loop demodulation error rate of the LINK4A data link signal is high, especially under the condition of low signal-to-noise ratio, the detection and demodulation of the LINK4A data link signal are extremely difficult. The method comprises the following steps: 1) signal preprocessing to obtain a discrete signal sampling sequence s(n); 2) a short-time burst signal detection algorithm based on correlation accumulation is used to obtain the effective data segment of the LINK4A data link signal; 3) a time-frequency ridgeline demodulation method based on STFT is used to obtain a digital baseband signal; 4) symbol synchronization and extraction based on energy decision to obtain a bit stream. On that premise that the signal-to-noise ratio is high than 7dB, the invention quickly realizes the demodulation of the LINK4A data link signal, and the demodulation accuracy rate can reach more than 98%. It provides a reliable bit stream for the subsequent interpretation work and can be used in the integrated communication and reconnaissance system.



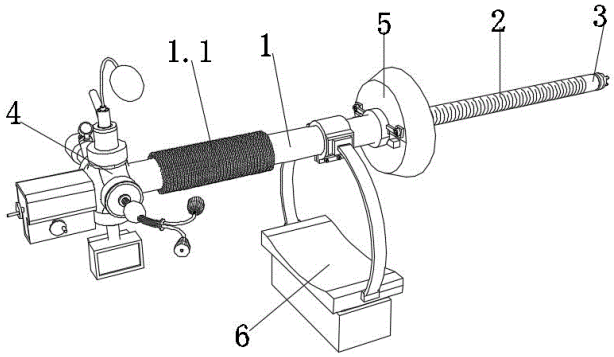
21: 2025/06792. 22: 2025/08/14. 43: 2026/03/06

51: A61M
71: Dianjiang County People's Hospital, Chongqing
72: HUANG Jianbin, WEI Chuan

54: MULTI FUNCTIONAL ENDOTRACHEAL INTUBATION CATHETER

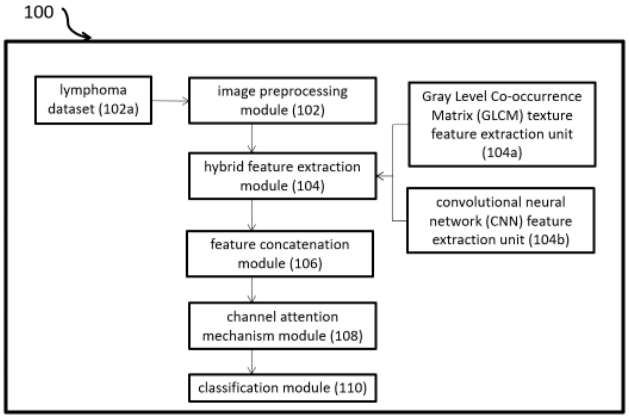
00: -

The present invention discloses a multifunctional endotracheal intubation catheter, which relates to the field of clinical medical technology. The outer tube body, reinforced steel wire and other components are used. The front end of the outer tube body is connected to a flexible hollow tube, and the front end of the tube is equipped with an oral fixing clamp. The front end has a head height adjustment mechanism, and the rear end is connected to a four-way valve through a moldable hose section. The flexible hollow tube is equipped with a reinforced steel wire in the center, surrounded by gastrointestinal decompression tube, suction tube, trachea and monitoring connecting wires. There is an insertion depth scale on the outside and a pipeline positioning disk on the inside. There is a guide positioning column inside the front end of the tube, and the front end is connected to a flexible round blunt end. There is a guide limit column sleeve on the side of the tube Shaped groove, reinforced steel wire front end connected to guide positioning column, rear end driven by steel wire drive box worm and other transmission, gastrointestinal pressure reducing tube and other front end threaded through guide positioning column and flexible blunt end, covered with flexible tube sleeve, rear end connected to four-way valve and corresponding components, oral fixed clamp and head height adjustment mechanism with specific components to achieve fixation and adjustment.

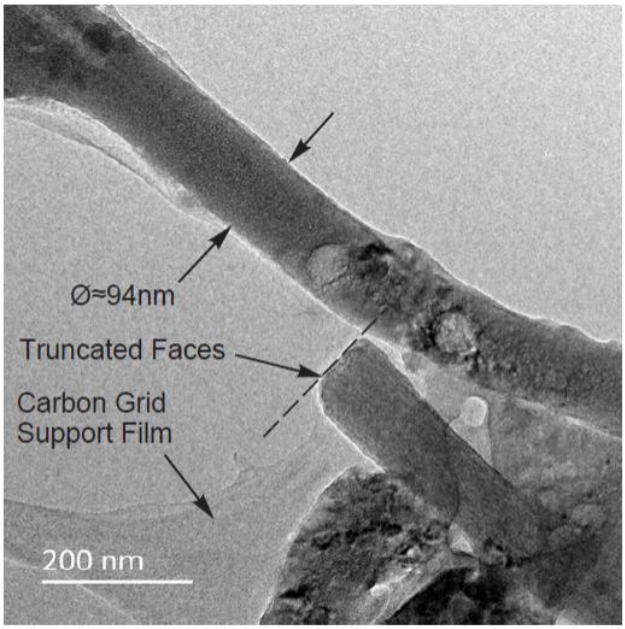


21: 2025/06797. 22: 2025/08/14. 43: 2026/03/06

51: G06T
71: Kirtida Naik, Bindu Garg
72: Kirtida Naik, Bindu Garg
54: A SYSTEM AND METHOD FOR DETECTING AND CLASSIFYING LYMPHOMA FROM HISTOPATHOLOGICAL IMAGES
00: -
This invention presents an a deep-learning based system for lymphoma classification utilizing predictive analytics and hybrid feature extraction. The system integrates Gray Level Co-occurrence Matrix texture analysis with convolutional neural networks, enhanced by channel attention mechanisms for optimal feature selection. The architecture of the system processes histopathological images through comprehensive preprocessing, extracts both handcrafted and deep learning features, and employs intelligent classification modules with fully connected networks and softmax activation. Performance evaluation demonstrates exceptional accuracy of 97.67% with precision, recall, and F1-scores of 0.98, and Cohen's Kappa of 0.965. The system supports transfer learning with modified ResNet50 and VGG16 models, providing interpretable results suitable for clinical decision-making in oncological diagnostics and computer-aided diagnosis applications.

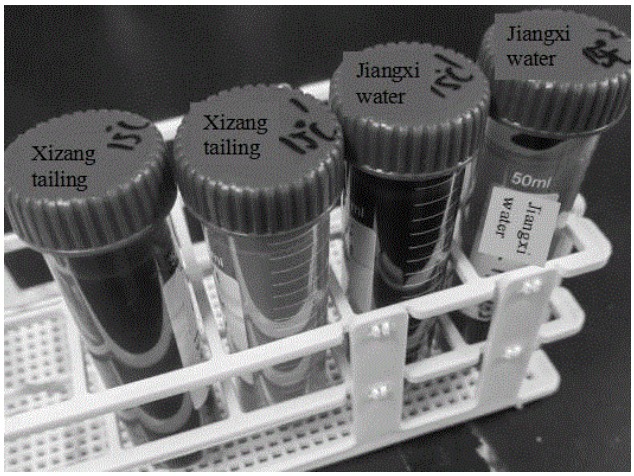


21: 2025/06812. 22: 2025/08/14. 43: 2026/03/06
51: C01F
71: UNIVERSITY OF SOUTH AFRICA
72: MAAZA, Malek, MOHAMED, Hamza Elsayed Ahmed
33: ZA 31: 2023/01095 32: 2023-01-26
54: PROCESS FOR THE PRODUCTION OF PRECIPITATED SINGLE PHASE CRYSTALLINE 1-D NANOSCALED CALCITE
00: -
The present invention pertains to an innovative and environmentally friendly process for the production of precipitated single-phase crystalline 1-D nanoscaled calcite (CaCO3). This process is characterized by the utilization of natural plant extracts, specifically from Hyphaene thebaica fruit, as a chelating agent. The method involves combining a source of calcium cations, typically calcium chloride (CaCl2), with a source of carbon dioxide (CO2) in a solvent of water (H2O). The natural extract acts as a bio-catalyst, facilitating the formation of crystalline CaCO3 with unique properties. The process is distinguished by its avoidance of synthetic chelating agents, pH control chemicals, and additional thermal treatments, making it a green and sustainable approach to CaCO3 production. The calcite demonstrates notable shape anisotropy and elevated porosity, attributes that are beneficial in various applications.



21: 2025/06818. 22: 2025/08/15. 43: 2026/03/06
51: B09C
71: China University of Geosciences, Beijing
72: YAO Jun, SHAO Pengfei, MIN Ning, ZHAO Yan, CHAI Wenping, ZHANG Yifei
54: METHOD FOR BIOREMEDIATION OF HEAVY METAL POLLUTION BY LOW-TEMPERATURE RESISTANT SULFATE-REDUCING FLORA
00: -
The present invention provides a method for bioremediation of heavy metal pollution by a low-

temperature resistant sulfate-reducing flora, including: using an improved Postage medium, enriching and culturing mine tailings and acid wastewater respectively in an anaerobic environment at 15°C to obtain a functional flora containing sulfate-reducing bacteria; inoculating the functional flora into a heavy metal-contaminated environment, thereby removing heavy metal ions. Experimental results show that the method provided by the present invention can efficiently fix heavy metal ions such as copper, cadmium and lead in harsh environments, change the occurrence forms of heavy metal ions in soil, and significantly remediate heavy metal pollution in mining areas. The present invention provides a new technical strategy for the ecological remediation of heavy metal pollution in mining areas, and has great environmental protection significance and broad application prospects.



21: 2025/06819. 22: 2025/08/15. 43: 2026/03/06
51: B01J
71: Kunming University of Science and Technology
72: Yanfeng LU, Yilin LIU, Yuhui DU, Yi QIANG, Ronggao QIN, Guangzhu CAO

54: BLACK PHOSPHORUS QUANTUM DOT/NIFE-LDH VISIBLE LIGHT CATALYST, PREPARATION METHOD AND APPLICATION

00: -

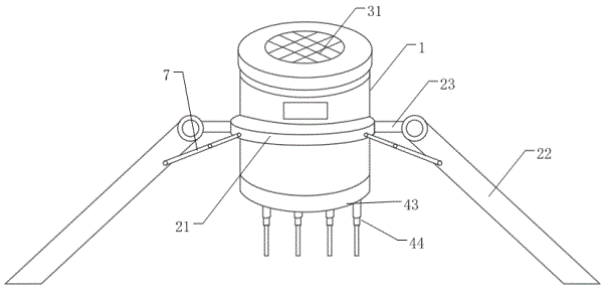
A black phosphorus quantum dot/NiFe-LDH visible light catalyst, a preparation method and an application, the nano-sheet NiFe-LDH is heat-treated and dispersed in an ethanol solution, and then the black phosphorus quantum dot solution is added, after ultrasonic homogenization, the microwave reaction is carried out at a power of 400-700W to obtain a black phosphorus quantum dot/NiFe-LDH visible light catalyst. The black phosphorus quantum dots/NiFe-LDH prepared by the invention can effectively remove the environmental air pollutant NOx under visible light irradiation, the synthesis method is simple, fast and low cost, and the black phosphorus quantum dots are uniformly loaded, which has a good application prospect.

21: 2025/06820. 22: 2025/08/15. 43: 2026/03/06
51: G01N
71: Kunming University of Science and Technology
72: Yi QIANG, Ronggao QIN, Yanfeng LU, Guangzhu CAO, Baozhu LI, Ruoyu MAO

54: GROUNDWATER POLLUTION DETECTION DEVICE

00: -

The invention discloses a groundwater pollution detection device, which relates to the field of groundwater detection, including a shell, a supporting structure, an energy supply structure and a detection structure; the supporting structure is set outside the shell; the energy supply structure includes solar panels and battery packs; the solar panel is arranged on the upper surface of the shell, and the battery pack is arranged inside the shell. The detection mechanism includes a drive unit and a sensor unit. The sensor unit is set at the bottom of the shell, and the drive unit is set inside the shell.



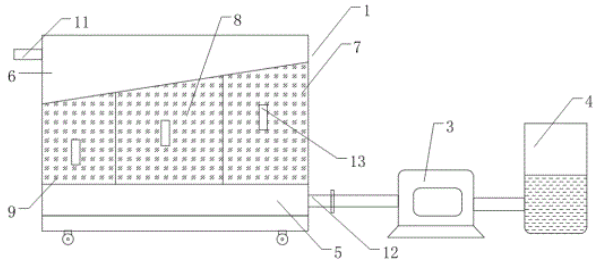
21: 2025/06821. 22: 2025/08/15. 43: 2026/03/06
51: G01N
71: Kunming University of Science and Technology
72: Ronggao QIN, Guangzhu CAO, Yi QIANG, Yanfeng LU, Baozhu LI, Ruoyu MAO

54: EXPERIMENTAL DEVICE FOR SIMULATED REMEDIATION OF GROUNDWATER POLLUTION

00: -

The utility model provides an experimental device for simulated remediation of groundwater pollution, which involves simulated remediation of

groundwater pollution, including square groove, isolation plate, peristaltic pump and dispensing tank; the isolation plate divides the square groove into different areas; the peristaltic pump is arranged outside the square groove to connect the square groove and the dispensing pool; the dispensing pool is arranged outside the square groove to provide liquid for the square groove.

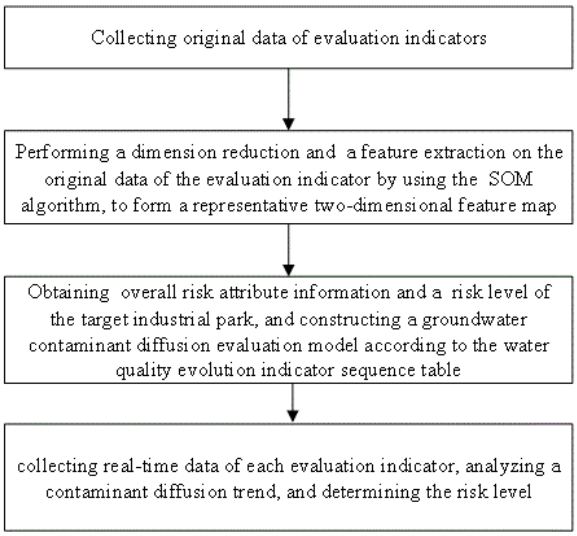


21: 2025/06822. 22: 2025/08/15. 43: 2026/03/06
51: G01N
71: Kunming University of Science and Technology
72: Guangzhu CAO, Yi QIANG, Ronggao QIN, Yanfeng LU, Baozhu LI, Ruoyu MAO

54: METHOD FOR IDENTIFYING AND PREDICTING GROUNDWATER CONTAMINANT DIFFUSION IN INDUSTRIAL PARKS

00: -

A method for identifying and predicting groundwater contaminant diffusion in industrial parks is disclosed, comprising the following steps: collecting original data of evaluation indicators; performing a dimension reduction and a feature extraction on the original data of the evaluation indicator by using the SOM algorithm; obtaining overall risk attribute information and a risk level of the target industrial park, and constructing a groundwater contaminant diffusion evaluation model according to the water quality evolution indicator sequence table; and collecting real-time data of each evaluation indicator, analyzing a contaminant diffusion trend, and determining the risk level. The present invention can quickly and efficiently identify the risk levels of multi-types of potential contaminated areas in the parks.



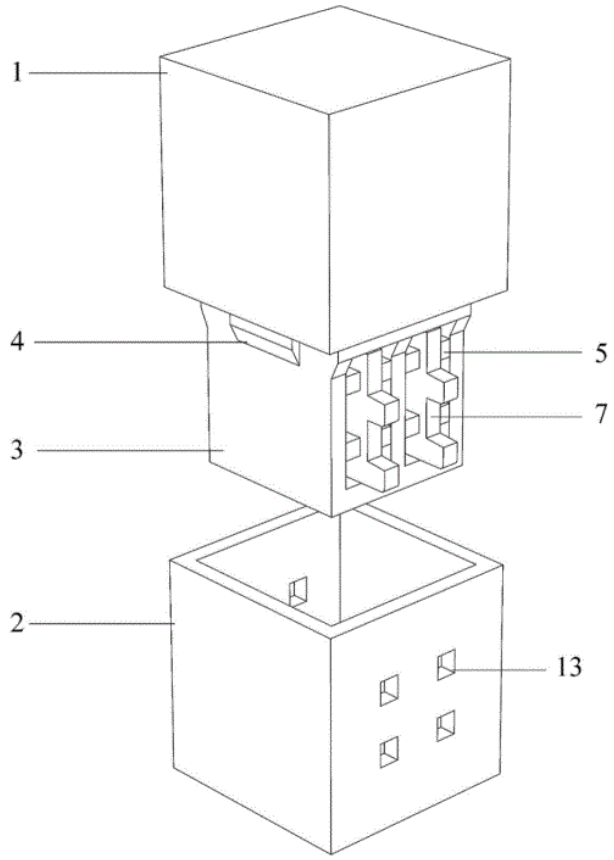
21: 2025/06828. 22: 2025/08/15. 43: 2026/03/09
51: E04G
71:
Hunan Construction Engineering Group Co., Ltd.,
Central South University,
Hunan Construction Investment Group Co., Ltd.,
Shijiazhuang Tiedao University, Qingdao University of Technology
72: WANG Xiaoxiang, YU Yujie, LIU Shangwen, LIU Xiaoyu, QIAO Wentao, AN Qi, PENG Liangyi, SHENG Debin, ZHONG Xu
33: CN 31: 2025216834149 32: 2025-08-07

54: INSERT-TYPE LOCKING CONNECTION FOR MODULAR STEEL BUILDINGS

00: -

The present invention provides an insert-type locking connection for modular steel buildings, falling within the technical field of modular steel buildings. It includes an upper module column corner piece, a lower module column corner piece and sliding assemblies. A locking member is arranged on the upper module column corner piece, with sliding grooves disposed in the locking member and wedge-shaped surfaces arranged on a perimeter of a top of an outer side. The sliding assemblies include sliding clamping blocks, springs and rubber bands, and the sliding clamping blocks may slide in the sliding grooves in the locking member. Limiting holes are correspondingly disposed on a side wall of the lower module column corner piece, and the sliding clamping blocks may be inserted into and fixed to the limiting holes. During on-site installation, the sliding assemblies are compressed with rubber bands and placed centrally in the sliding grooves; the upper module column corner piece is centrally

inserted into the lower module column corner piece; then the rubber bands are broken, and the sliding clamping blocks slide to two sides into the limiting holes under the thrust of the springs, realizing the connection and locking of the node. The present invention features simple construction operation, no need for construction holes, and may quickly realize connection locking and convenient unlocking of node.

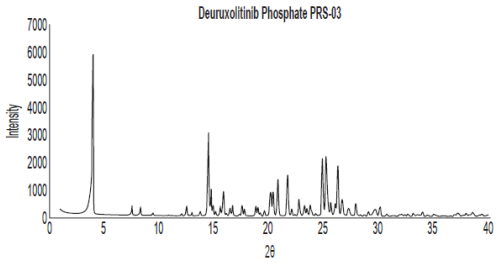


21: 2025/06830. 22: 2025/08/15. 43: 2026/02/09
51: A61K; C07D; A61P
71: SUN PHARMACEUTICAL INDUSTRIES, INC.
72: WIEDEMANN, Sean
33: US 31: 63/636,516 32: 2024-04-19
33: US 31: 18/661,225 32: 2024-05-10

54: CRYSTALLINE FORM OF DEURUXOLITINIB

00: -

The present disclosure is directed to polymorph Form 1 of 1H-pyrazole-1-propanenitrile, ß-(cyclopentyl-2,2,3,3,4,4,5,5-d8)-4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-, (ßR)-, phosphate (1:1) (deuruxolitinib phosphate). Also disclosed are methods of treatment using polymorph Form 1 of deuruxolitinib phosphate and methods of making polymorph Form 1 of deuruxolitinib phosphate.

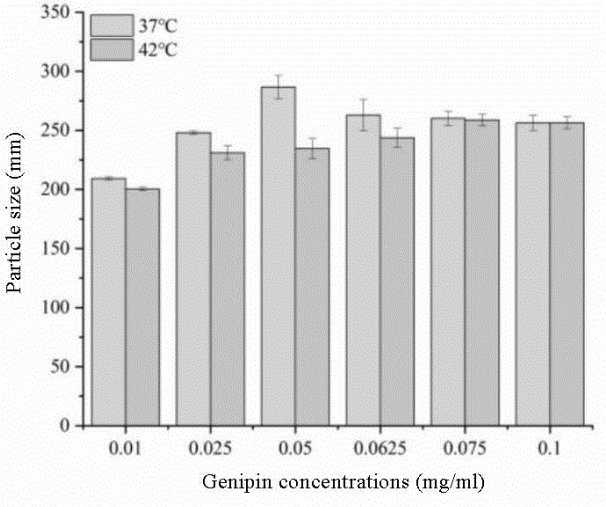


21: 2025/06831. 22: 2025/08/15. 43: 2026/03/09
51: A61K
71: China Agricultural University
72: ZHANG Hao, CHEN Chong, ZHANG Weibo, LI Yixuan, LIU Siyuan, SHEN Yuemin

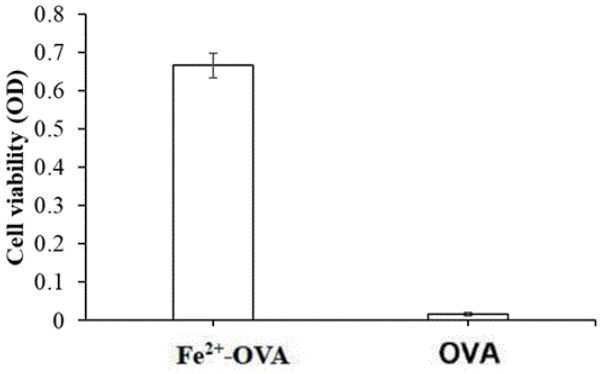
54: PREPARATION AND APPLICATIONS OF TEMPERATURE-SENSITIVE DRUG-LOADING COMPOSITE NANOPARTICLES

00: -

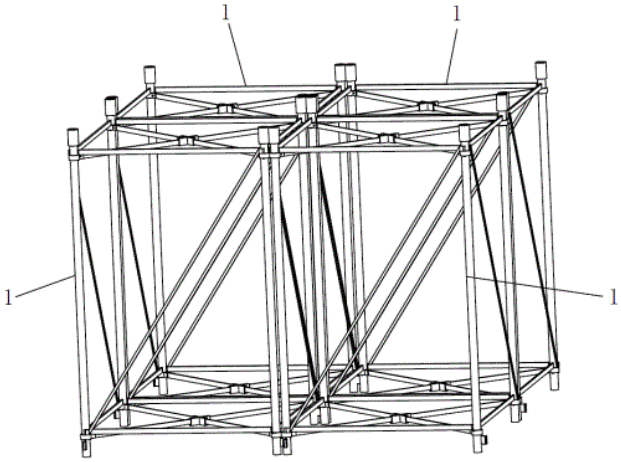
The present disclosure belongs to the field of biochemistry, and specifically to a preparation and applications of temperature-sensitive drug-loading composite nanoparticles. In the present disclosure, a cross-linking agent genipin is first added after the CN and the HBCOS are dissolved, so as to obtain the temperature-sensitive nanoparticles, and the present application has low toxicity and good biocompatibility for cells. When the obtained composite nanoparticles are mixed with a chemotherapeutic drug as a carrier to prepare the drug-loading composite nanoparticles, the composite nanoparticles have good blood compatibility and temperature sensitivity.



21: 2025/06832. 22: 2025/08/15. 43: 2026/03/09
51: C12N
71: China Agricultural University
72: ZHANG Hao, ZHANG Weibo, CHEN Chong, ZHAO Liang, WANG Xiaoyu, LI Yixuan, WANG Ran
54: CELL GROWTH PROMOTER AND APPLICATION THEREOF
00: -
A cell growth promoter and an application thereof are provided. The invention adopts Fe2+ and ovalbumin to form a Fe2+-ovalbumin (OVA) compound to promote ovalbumin cell endocytosis, the cell growth promoter can maintain cell growth in an environment free of amino acids, promote cell proliferation in an environment with amino acids; and, the Fe2+-OVA compound can replace expensive animal serum albumin in cell culture, the cell growth promoter has a significant effect on improving cell viability and is low cost.



21: 2025/06840. 22: 2025/08/15. 43: 2026/03/09
51: E04B
71: China First Highway Engineering CO., LTD, Haiwei Engineering Construction COLTD. of FHEC of CCCC, China First Highway (Qingdao) Engineering Construction Co., Ltd.
72: Jian LI, Mingyu FAN, Shanshan XU
33: CN 31: 2024108935881 32: 2024-07-04
54: BRACKET ASSEMBLY AND MOUNTING METHOD FOR BRACKET ASSEMBLY
00: -
The invention provides a bracket assembly and a bracket assembly installation method, which relates to the bracket construction technology field. The bracket assembly comprises a plurality of bracket units; one side of the bracket unit is provided with a splicing part, and the other side is provided with a socket; the splicing part and the socket are respectively used to connect with the splicing part and the socket on other bracket units. A limit pin and a limit groove are arranged on the peripheral side of the socket; the limit pin and the limit slot are respectively used for the limit slot and the limit pin on the other bracket units; the insertion direction between the limit pin and the limit slot is in the same direction as that between the splicing part and the socket, and the limit pin and the limit slot can be connected in the direction perpendicular to the insertion direction. The bracket assembly can form a structurally stable bracket assembly by using mechanical equipment to repeat the process of stacking and inserting multiple bracket units, and during the stacking process, the limit pins and limit slots between adjacent two bracket units are interposed with each other, without manual assembly.



21: 2025/06866. 22: 2025/08/18. 43: 2026/03/09

51: A23K
71: Institute of Animal Husbandry and Veterinary Science, Jiangxi Academy of Agricultural Sciences
72: WU Chengcheng, LIN Cui, LI Na, LI Haiqin, ZHANG Fanfan, TAN Jia, FANG Shaopei, ZENG Yanbing

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR PREVENTING AND TREATING PORCINE EPIDEMIC DIARRHEA IN PIGLETS AND APPLICATION THEREOF

00: -

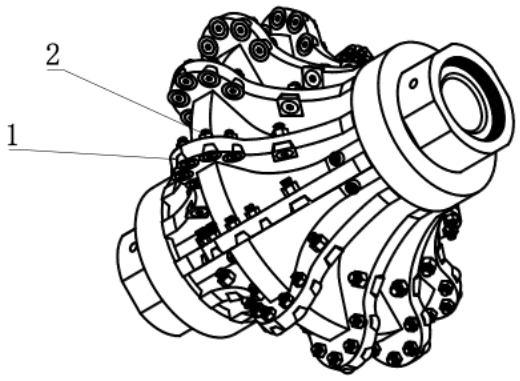
The invention discloses a traditional Chinese medicine composition for preventing and treating porcine epidemic diarrhea in piglets and an application thereof, belonging to the field of biomedicine. The invention uses Tetradium ruticarpum, Gardenia jasminoides, Concha Margaritifera, Perilla frutescens, Aconitum carmichaelii, Bletilla striata, Sophora flavescens, Atractylodes macrocephala, Amomum villosum and Citri Reticulatae Pericarpium as raw materials to prepare a drug for preventing and treating porcine epidemic diarrhea in piglets through decoction and filtration. Experimental results show that the drug provided by the invention may efficiently inhibit PEDV replication; adding the drug provided by the invention to the basic diet of piglets at a dose of 0.1% may effectively alleviate the symptoms of sick piglets, with a cure rate of up to 95.45% for porcine epidemic diarrhea in piglets, which is significantly better than gentamicin; at the same time, the drug provided by the invention may significantly improve the serum antibody level of piglets, thereby improving the immunity of piglets and preventing Porcine epidemic diarrhea virus infection. The invention provides a new drug for the prevention and treatment of porcine epidemic diarrhea in piglets, with prominent practical value and broad application prospects.

21: 2025/06867. 22: 2025/08/18. 43: 2026/03/09
51: B23C
71: Fuzhou University
72: CAI, Yingjie, YAO, Ligang, DONG, Chaoqian, HU, Qiang, ZHOU, Hao

54: INDEXABLE DISC MILLING CUTTER FOR MACHINING HELICAL ROTOR OF ROOTS BLOWER, AND MOUNTING METHOD

00: -

Disclosed is an indexable disc milling cutter for machining a helical rotor of a Roots blower. The indexable disc milling cutter includes a reference circular pipe, fixed sleeves and a plurality of blade holders, where the fixed sleeves are provided with circular pipe parts and circular disc parts. A plurality of first inserting grooves are formed around the reference circular pipe on outer edges of the circular disc parts, and parts between bottom surfaces of the first inserting grooves on the circular disc parts and the circular pipe parts are basic parts. Second inserting grooves are arranged on one ends of the blade holders. An outer side of each blade holder is provided with a circular blade positioning groove, and two sides of the circular blade positioning grooves are provided with square blade positioning grooves.



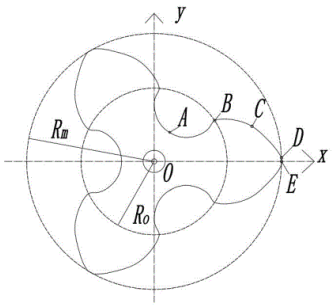
21: 2025/06869. 22: 2025/08/18. 43: 2026/03/09
51: F04C
71: Fuzhou University
72: CAI, Yingjie, YAO, Ligang, HU, Qiang, YANG, Renyi, ZHOU, Hao

54: ROTOR WITH IMPROVED INVOLUTE-TYPE ROOTS ROTOR PROFILE AND DESIGN METHOD THEREOF

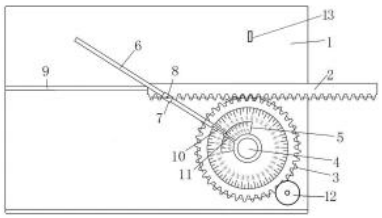
00: -

A rotor with an improved involute-type Roots rotor profile and a design method thereof are disclosed, relating to the technical field of Roots blower rotors. The rotor includes a rotor body. Three ends are uniformly distributed in a circumferential direction of the rotor body. The end has an axisymmetric blade shape, and a symmetrical half side of the end includes four parts: a tooth valley circular arc of AB segment, an involute of BC segment, an eccentric circular arc of CD segment, and a straight line of DE segment. A center of the rotor body is arranged with

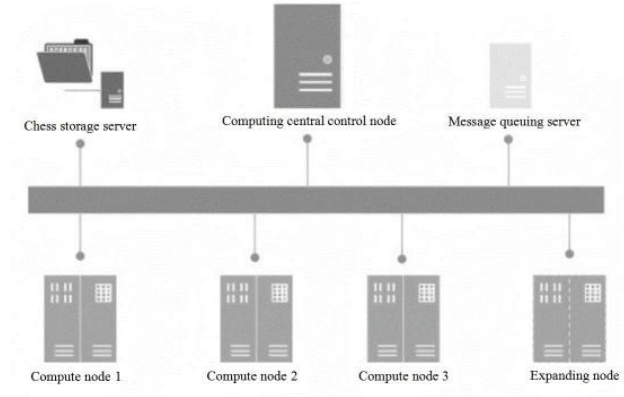
a rotor connection through hole, and an outer wall of the rotor body is provided with a protective coating. According to the present invention, good sealing performance and larger air volume may be provided, thereby improving the efficiency of the Roots blower.



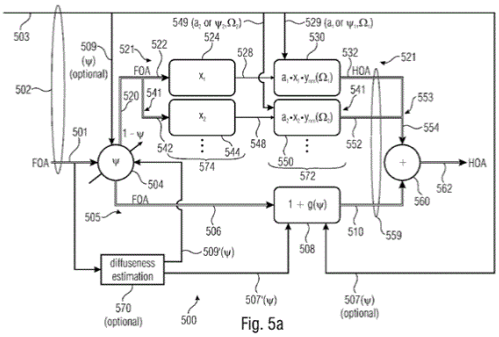
21: 2025/06870. 22: 2025/08/18. 43: 2026/03/09
51: G06G
71: Fuzhou University
72: CAI, Yingjie, YAO, Ligang, HU, Qiang, ZHOU, Hao
54: SOLVING SLIDE RULE FOR INVERSE INVOLUTE FUNCTION AND WORKING METHOD THEREOF
00: -
Disclosed are a solving slide rule for an inverse involute function and a working method thereof. The slide rule includes a supporting plate. A rack is arranged on a front side of the supporting plate, a rotating gear is engaged to a tooth side of the rack, a wheel shaft is fixed on the front side of the supporting plate, and a pressure angle dial is fixed on one side of the wheel shaft; a first scale line representing an involute unfolding angle value is arranged on the gear, and a second scale line representing an involute pressure angle value is arranged on the pressure angle dial; a rotating pointer is arranged on the wheel shaft, a sliding sleeve is sleeved on a portion, configured to indicate an area beyond a scale, of the pointer, and the sliding sleeve is hinged at a pitch line position of the rack.



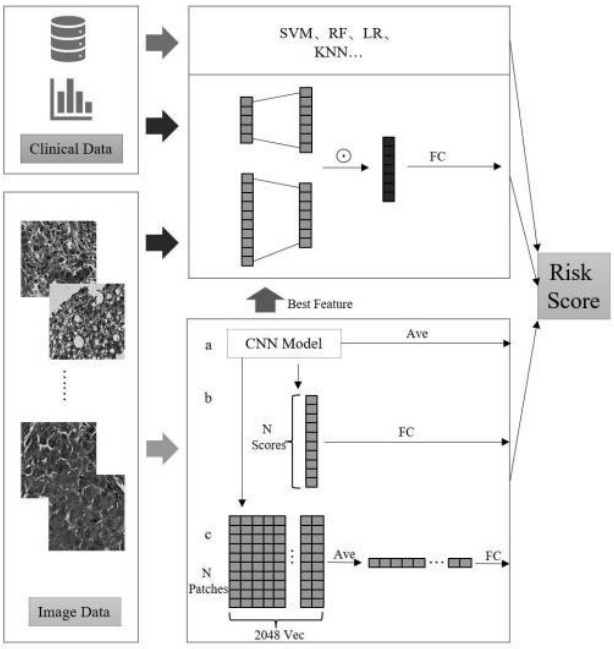
21: 2025/06871. 22: 2025/08/18. 43: 2026/03/09
51: E21B
71: China Institute of Water Resources and Hydropower Research
72: CAO Daling, JIANG Wenjie, QIN Qiaoting, WANG Tuo, ZHANG Hongbin, WAN Hongtao
54: PARALLEL COMPUTING COLLABORATION METHOD FOR HYDRODYNAMIC DYNAMIC REGULATING MODELS
00: -
The invention discloses a parallel computing collaboration method for hydrodynamic dynamic regulating models, which belongs to the field of hydrodynamic model computing. The method realizes parallel computing of the model by constructing a collaborative architecture between a regulating center and computing nodes. The system consists of a regulating center and distributed computing nodes: the regulating center is responsible for task regulating, provides interfaces to receive user input, and dynamically allocates tasks to optimal nodes; if there are no idle nodes, the tasks are stored in a waiting queue; after the computing node server is started, it automatically registers and sends heartbeat signals regularly to maintain the online state. During task execution, the computing node synchronously downloads and loads model files, dynamically configures boundary conditions, and then starts computing. The results are processed in real time and returned to the regulating center at each computing step; after the task is completed, the node state is reset and waiting tasks are automatically extracted for continuous computing.



21: 2025/06876. 22: 2025/08/18. 43: 2026/03/09
51: G10L
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: HOLD, Christoph, WECKBECKER, Dominik, MULTRUS, Markus, TAMARAPU, Archit, EICHENSEER, Andrea, TREFFEHN, Anika, FUCHS, Guillaume, THIERGART, Oliver
33: EP 31: PCT/EP2023/054622 32: 2023-02-23
54: AUDIO SIGNAL REPRESENTATION DECODING UNIT AND AUDIO SIGNAL REPRESENTATION ENCODING UNIT
00: -
An audio signal representation decoding unit (500) for generating a decompressed ambisonic spatial audio signal representation (562), the compressed ambisonic spatial audio signal representation (502) including at least one transport channel (501) and side information (503) including, for each spatial sector of a plurality of spatial sectors, directional parameter(s) (529, 549, 718) providing information on a direction of arrival, DoA, in the spatial sector and sector diffuseness parameter(s) (529, 549) providing information on sector diffuseness of the audio signal in the at least one spatial sector, the audio signal representation decoding unit including a global diffuseness signal inserter (560) to combine the plurality of decoded directional sector signals (532, 552) and a global diffuseness signal (510), that has been derived by applying a global diffuseness parameter to the transport channel, to output the decompressed ambisonic spatial audio signal representation (562).

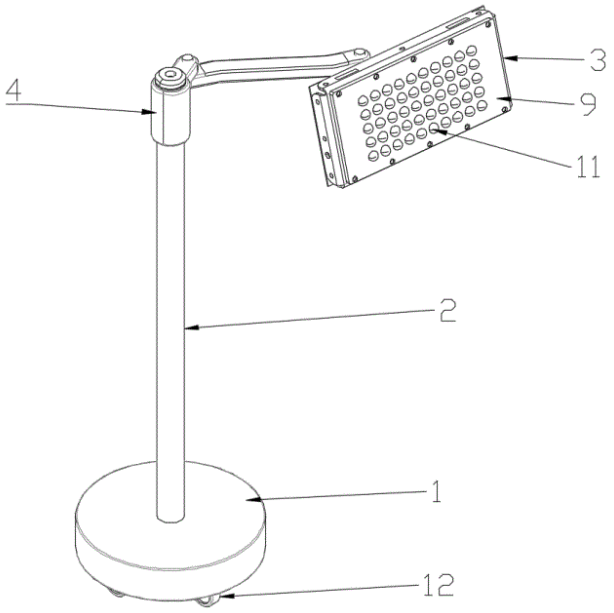


21: 2025/06886. 22: 2025/08/18. 43: 2026/03/09
51: G16H
71: CENTRAL HOSPITAL OF MINHANG DISTRICT, FUDAN UNIVERSITY
72: DONG Qiongzhu, LIU Lei, Hu Zhiqiu, LI Yixin, ZHONG Fan
33: CN 31: 202410498706.9 32: 2024-04-24
54: METHOD AND SYSTEM FOR CONSTRUCTING MULTI-MODAL MODEL TO PREDICT THERAPEUTIC EFFICACY OF SORAFENIB IN HEPATOCELLULAR CARCINOMA
00: -
The present invention provides a method and a system for constructing a multi-modal model to predict therapeutic efficacy of Sorafenib in hepatocellular carcinoma (HCC), including the steps of: S1: acquiring clinical data from a target patient, and generating a whole slide image (WSI) using hepatic tissues removed during the patient's operation; S2: preprocessing the clinical data, and retaining clinical features as input of a multi-modal deep learning model; S3: preprocessing the WSI; S4: constructing an imaging model based on the preprocessed image, employing different aggregation algorithms to obtain patch-level scores of pathological images, and predicting a WSI score to obtain a best feature; S5: developing a multi-modal model to integrate the best feature with the clinical features through cross-modal fusion, and outputting prediction results at either image-level or patient-level; and S6: testing and evaluating the model. According to the present invention, pathological images and clinical information are integrated to achieve bimodal input, which fully use the complementarity of two modal data, enhancing prediction accuracy.



21: 2025/06897. 22: 2025/08/19. 43: 2026/03/09
51: A61F; A61M
71: Huan Yang
72: Huan Yang
54: TRADITIONAL CHINESE MEDICINE THERAPEUTIC HOT COMPRESS DEVICE
00: -

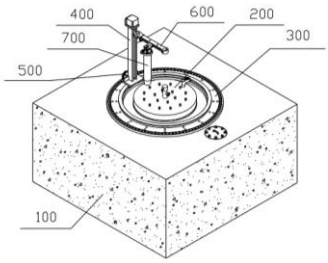
A traditional Chinese medicine therapeutic hot compress device, belonging to the technical field of traditional Chinese medicine therapeutic equipment. The device includes a base, a supporting column, and a hot compress box, a top surface of the base is fixed with the supporting column, and a top surface of the supporting column is equipped with a sleeve, the sleeve is connected to a first support arm via a pivot, and the other end of the first support arm is connected to a second support arm, the end of the second support arm is mounted with an I-shaped axis, and the hot compress box is installed on a base plate via the I-shaped axis. The hot compress box includes a box body, a hot compress layer, a heating component, and a temperature control module, the heating component consists of a heating plate and an insulation layer, the temperature control module includes a temperature sensor, a controller, and a display screen, the support arms can rotate horizontally, and the hot compress box can rotate vertically around the I-shaped axis, a bottom of the base is equipped with universal wheels with brakes. This device can flexibly adjust the position and angle, precisely control the temperature, and offer diverse functions, improving the therapeutic effect and comfort.



21: 2025/06901. 22: 2025/08/19. 43: 2026/03/09
51: C05F
71: NingboTech University
72: LI, Jianxin, GAO, Fuyan, WANG, Yongchuan, FU, Jiaqi, SUN, Chenghui, YANG, Fan
33: CN 31: 202510220202.5 32: 2025-02-26
54: MUNICIPAL SLUDGE RESOURCE COMPREHENSIVE UTILIZATION DEVICE
00: -

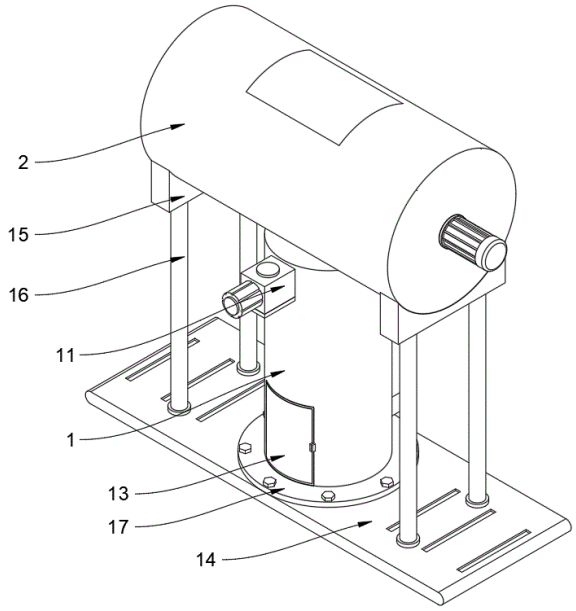
Disclosed is a municipal sludge resource comprehensive utilization device, including a vertical fermentation tank installed within a foundation base, wherein an upper end of the vertical fermentation tank extends from an upper end of the foundation base, an annular mounting rail coinciding with an axis of the vertical fermentation tank is installed at the upper end of the foundation base, a lower end of a vertical adjustment mechanism is in driving connection to the annular mounting rail via a circumferential traveling mechanism, the vertical adjustment mechanism is in driving connection with a radial guide base, and an omnidirectional material guiding mechanism is installed on the radial guide base. The present invention achieves highly efficient decomposition of organic substances in the municipal sludge through fermentation of the municipal sludge, a fertilizer with an extremely high

fertility is obtained, so that the thoroughness of utilization of organic substances is ensured.



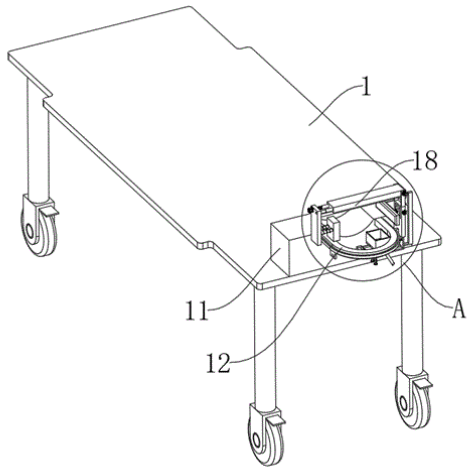
21: 2025/06903. 22: 2025/08/19. 43: 2026/03/09
51: F26B
71: Nanyang Taiyue New Material Technology Co., Ltd
72: Liu Heting, Yao Qiushuo, Ruan Yupu, Li Dachao, Zhou Fengyong
54: A BIOMASS CRACKING REACTOR
00: -

The present invention belongs to the field of biomass cracking technology and discloses a biomass cracking reactor, comprising a reaction tank, a drying tank installed at the top of the reaction tank, a reaction mechanism installed inside the reaction tank, and a drying mechanism installed inside the drying tank. The drying mechanism comprises a motor, a rotating tube, multiple air holes, multiple stirring rods, bristles, and a hot air blower. The motor is installed in the middle of the outer wall on the right side of the drying tank, and the rotating tube is coaxially connected to the output end of the motor. Multiple air holes are uniformly opened on the side wall of the rotating tube, and multiple stirring rods are uniformly connected to the side wall of the rotating tube. The air holes and stirring rods are arranged alternately. The bristles are bonded to the end of the stirring rod away from the rotating tube, and the bristles are in contact with the corresponding side of the inner wall of the reaction tank. Through the above solution, the problem of insufficient contact between hot air and biomass during pre drying, which leads to a longer time for complete drying, has been solved in existing devices, although they can pre dry biomass.

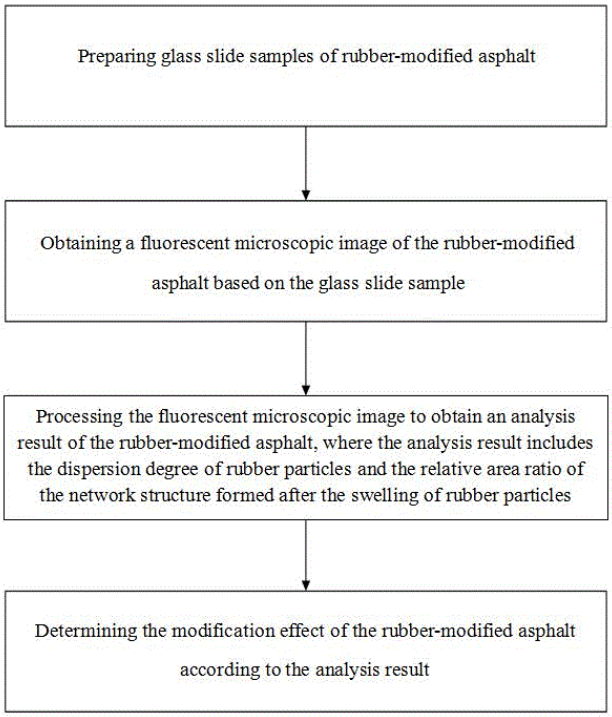


21: 2025/06904. 22: 2025/08/19. 43: 2026/03/11
51: A61M
71: Tianjin Medical University Eye Hospital, LIU Lin
72: LIU Lin, LIU Hua, HUANG Shaohui, LIU Qing
54: OPHTHALMIC IRRIGATION DEVICE
00: -

The invention discloses an ophthalmic irrigation device, relating to the field of ophthalmic irrigation technology. The device comprises a headrest mounted on a bed frame, with an arched plate fixed to its side. A first moving plate is slidably connected to the arched plate via a sliding mechanism. A rotating plate is rotatably connected to the top of the first moving plate via a rotating mechanism, and a first moving block is connected to the rotating plate via a moving mechanism. A first stopper is connected to the first moving block via a telescopic mechanism. An L-shaped frame and a second stopper are fixed to the first moving plate, which also includes a mounting port. The device stabilizes the patient's head for more reliable operation, facilitates irrigation of both eyes, and prevents liquid from flowing down the neck, thereby ensuring irrigation efficiency and improving patient comfort.



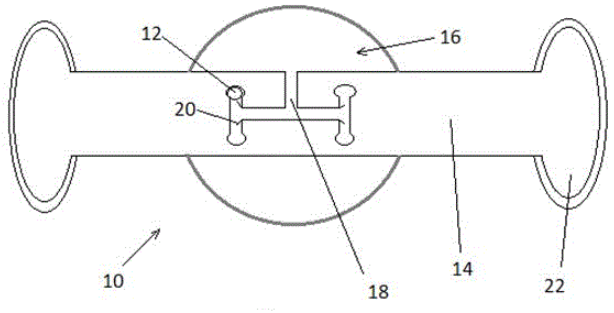
21: 2025/06940. 22: 2025/08/20. 43: 2026/03/11
51: G01N
71: Inner Mongolia Agricultural University
72: ZHAO Ting, GAO Mingxing, LI Danlan, KOU Wenqi, LI Hangtian, LIANG Jiali, LYU Qingyong, MA Dongmei, ZHAO Sheng, WANG Haoyang
54: METHOD FOR DETECTING MODIFICATION EFFECT OF RUBBER-MODIFIED ASPHALT
00: -
The invention discloses a method for detecting the modification effect of rubber-modified asphalt, belonging to the technical field of road engineering. The invention first observes the pretreated rubber-modified asphalt under bright field (BF) and fluorescent environment respectively to obtain a fluorescent microscopic image of the rubber-modified asphalt; then analyzes the fluorescent microscopic image of the rubber-modified asphalt to obtain the dispersion degree of rubber particles in the rubber-modified asphalt and the relative area of the network structure formed by them, and evaluates and analyzes the modification effect of the rubber-modified asphalt based on the quantitative results. From a microscopic perspective, the method quantitatively analyzes the dispersion degree of rubber particles and the area of the network structure formed after the swelling of rubber particles, so as to quantify the modification effect of rubber-modified asphalt. It is simple to operate, low in cost, short in time-consuming and high in accuracy.



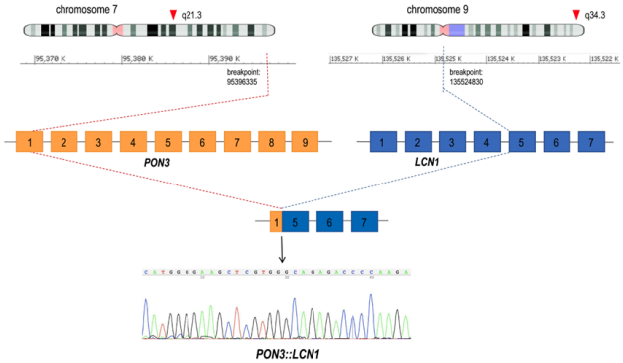
21: 2025/06941. 22: 2025/08/20. 43: 2026/03/11
51: A01G
71: Dezhou Academy of Agricultural Sciences
72: Han meimei, Duan qingqing, Zhang zikun, Li tengfei, Zhang luqi, Zhang shaoli, Chang peipei, Wang youping, Wang jingjing, Li hua
33: CN 31: 2025101065800 32: 2025-01-23
54: A METHOD FOR ECOLOGICAL PREVENTION OF CAPSICUM ANNUUM WILT, ROOT KNOT NEMATODE AND PHYTOPHTHORA BLIGHT BY TAGETES ERECTA AND PERILLA FRUTESCENS
00: -
The invention provides a method for ecological prevention of Capsicum annuum wilt, root knot nematode and phytophthora blight by Tagetes erecta and Perilla frutescens, relating to the field of pest and disease control for Capsicum annuum L.. The method involves intercropping in the same ridges, preparing water extracts, preparing foliar nutrient solutions, spraying, and in-situ returning of crop residues to the soil. In the double-row planted Capsicum annuum L.ridge, one row of Capsicum annuum L. has a Tagetes erecta plant every three Capsicum annuum L. plants, and the other row has a Perilla frutescens plant every three Capsicum annuum L.plants. After the Capsicum annuum L.harvest, Tagetes erecta and Perilla frutescens plants with good growth are timely harvested, and their residues are dried to prepare water extracts

(0.2g·mL -1 Tagetes erecta + Perilla frutescens extract) and foliar nutrient solutions (Tagetes erecta: Perilla frutescens: red sugar: EM composting bacteria: water = 50g (fresh weight): 50g (fresh weight): 7.5g: 1.5g: 800mL). In the second year, during the seedling stage, the roots of Capsicum annuum L.plants are irrigated with a 10g·L -1 Tagetes erecta + Perilla frutescens extract. During the full bloom period, 15L of Tagetes erecta + Perilla frutescens foliar nutrient solution is sprayed per 667m². After the Capsicum annuum L.plants are pulled, the remaining Tagetes erecta and Perilla frutescens residues are shredded using a specialized shredder. Then, 2kg of Fusarium and 1000kg of organic fertilizer are applied and incorporated into the soil per 667m². By utilizing the allelopathic effects between Tagetes erecta, Perilla frutescens, and pepper, the incidence of wilt disease, root knot nematode, and phytophthora blight is reduced to below 10%, with a control effect exceeding 70%. The economic benefit per acre increases by more than 900 yuan, enhancing the practicality and innovation of the invention.

21: 2025/06943. 22: 2025/08/20. 43: 2026/03/11
51: E21B; F42D
71: LUBBE, Gert, Petrus, ZACA, Salvatore
72: LUBBE, Gert, Petrus
54: DETONATION CORD AFFIXING DEVICE
00: -
The invention provides a device and method for fixing detonation cord at the top of a vertical blasting hole. The device includes a generally elongate flat body dimensioned to be longer than the diameter of a blasting hole and an affixing means for affixing detonation cord to the body.



21: 2025/06948. 22: 2025/08/20. 43: 2026/03/11
51: C12N
71: PEKING UNIVERSITY SCHOOL OF STOMATOLOGY
72: LI, Tiejun, ZHU, Lijing, SUN, Lisha, ZHANG, Heyu, SUN, Zhipeng, ZHAO, Junru, ZHANG, Ye, LIU, Xiaoxiao, LI, Xuefen
54: DIAGNOSTIC KIT FOR ACINIC CELL CARCINOMA
00: -
The present invention provides a diagnostic kit for acinic cell carcinoma and belongs to the technical field of molecular pathology and tumor diagnosis. The diagnostic kit provided by the present invention contains a specific primer set of SEQ ID NO. 1 and SEQ ID NO. 2, and may be used to detect acinic cell carcinoma of the salivary gland by detecting a fusion gene PON3::LCN1, significantly improving the detection rate of acinic cell carcinoma of the salivary gland by 21.9% compared with traditional methods.



21: 2025/06949. 22: 2025/08/20. 43: 2026/03/11
51: A61K
71: HUANG HONGXING
72: HUANG, Hongxing, YU, Shiqian, ZHOU, Jiedi, XU, Xueqin, HUANG, Hongquan, ZHANG, Junyao, ZHANG, Chaohui, CHEN, Bingci, WU, Ting
54: NOVEL MINOXIDIL HAIR-GROWING TINCTURE AND PREPARATION METHOD THEREOF
00: -
The present invention provides a novel minoxidil hair-growing tincture and a preparation method thereof, and belongs to the field of biomedicines. The preparation method includes the following steps: dissolving adenosine and caffeine in distilled water to obtain a liquid A; adding azelaic acid, finasteride, dutasteride, fluocinonide and tretinoin into an ethanol solution to obtain a supernatant B and a precipitate 1; mixing propylene glycol with minoxidil and sildenafil solids to obtain a supernatant C and a precipitate 2; adding the liquid A and the supernatant

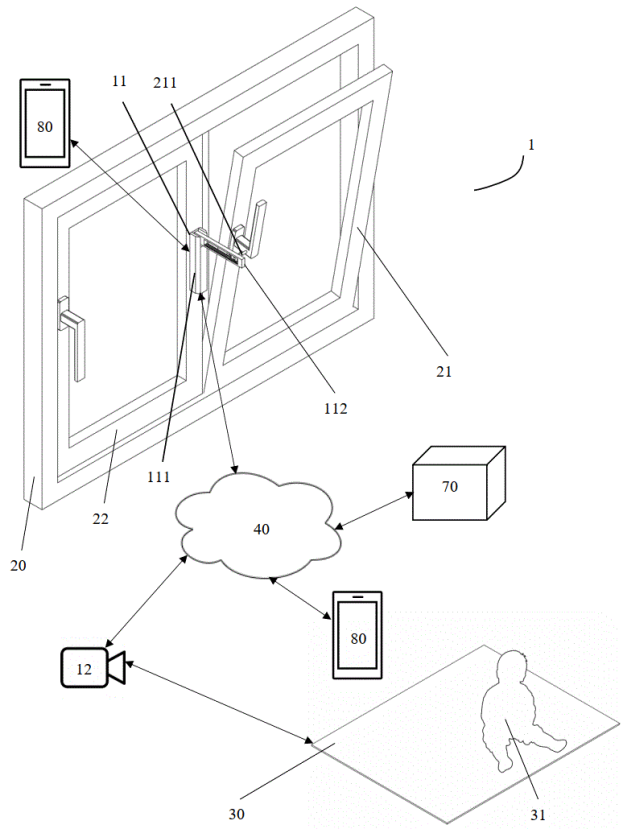
C into the supernatant B to obtain a solution D, and adding water-soluble azone to obtain a solution E; adding disodium ethylenediaminetetraacetate, acetyl hexapeptide-8, sodium hyaluronate, the precipitate 1 and the precipitate 2 into the solution E, making up to volume, stirring, and fine-filtering to obtain the novel minoxidil hair-growing tincture. According to the present invention, with the synergistic effect of the components, the technical effect of the novel minoxidil hair-growing tincture is further improved, and the novel minoxidil hair-growing tincture is safe and efficient, has low side effects, a short hair-growing period and good effects, and has good promotion value and market prospects.

21: 2025/06950. 22: 2025/08/20. 43: 2026/03/11
51: E05F; G06F
71: LIMITED LIABILITY COMPANY ELAIRE
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2025119658 32: 2025-07-17

54: SYSTEM FOR CONTROLLING WINDOW OR DOOR LEAF POSITION

00: -

The proposed invention relates to computer systems and household appliances and can be used to control the position of a window or door leaf. The problem to be solved by the proposed invention is to provide methods and/or products and/or applications that allow to control the position of a window or door leaf in response to the presence of a child or a pet within the controlled area in order to prevent drafts or to prevent the pet from escaping through an open leaf. In some aspects, the problem to be solved by the proposed invention is to provide methods and/or products and/or applications that ensure quick detachment of the movable part of the leaf controller from the leaf or quick detachment of the movable part of the leaf controller from its stationary part in order to allow to manually control the position of the leaf.



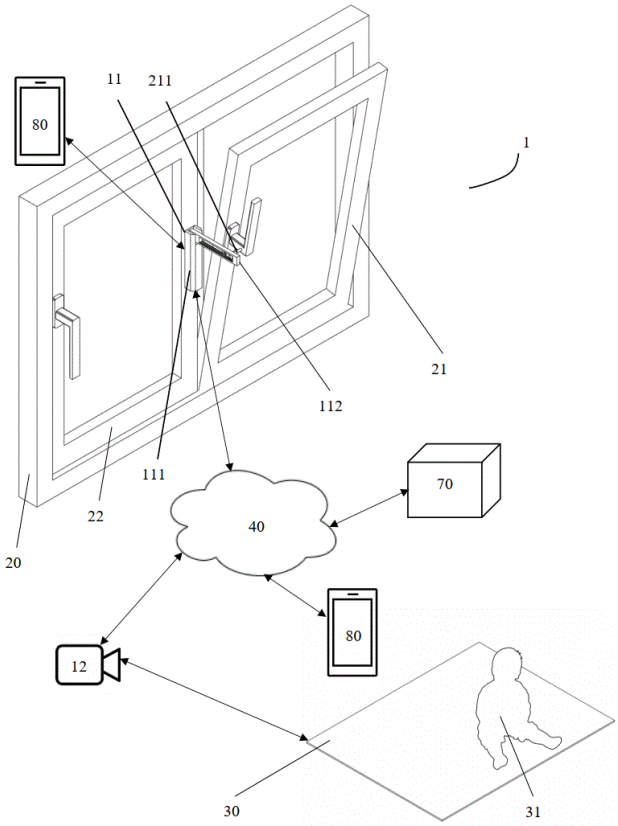
21: 2025/06951. 22: 2025/08/20. 43: 2026/03/11
51: E05F; G06F
71: LIMITED LIABILITY COMPANY ELAIRE
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2025119660 32: 2025-07-17

54: SYSTEM FOR CONTROLLING TURNING, TILTING, TURN-AND-TILT OR AWNING WINDOW OR DOOR LEAF POSITION

00: -

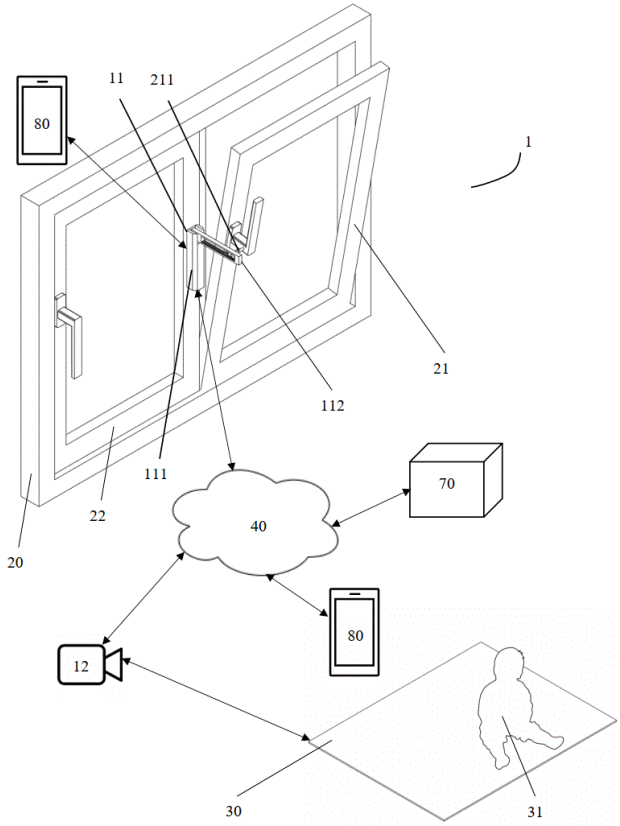
The proposed invention relates to computer systems and household appliances and can be used to control the position of a window or door leaf. The problem to be solved by the proposed invention is to provide methods and/or products and/or applications that allow to control the position of a window or door leaf in response to the presence of a child or a pet within the controlled area in order to prevent drafts or to prevent the pet from escaping through an open leaf. In some aspects, the problem to be solved by the proposed invention is to provide methods and/or products and/or applications that ensure quick detachment of the movable part of the leaf controller from the leaf or quick detachment of the movable part of the leaf controller from its stationary part in

order to allow to manually control the position of the leaf.



21: 2025/06952. 22: 2025/08/20. 43: 2026/03/11
51: E05F; G06F
71: LIMITED LIABILITY COMPANY ELAIRE
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2025119664 32: 2025-07-17
54: SYSTEM FOR CONTROLLING SLIDING WINDOW OR DOOR LEAF POSITION
00: -

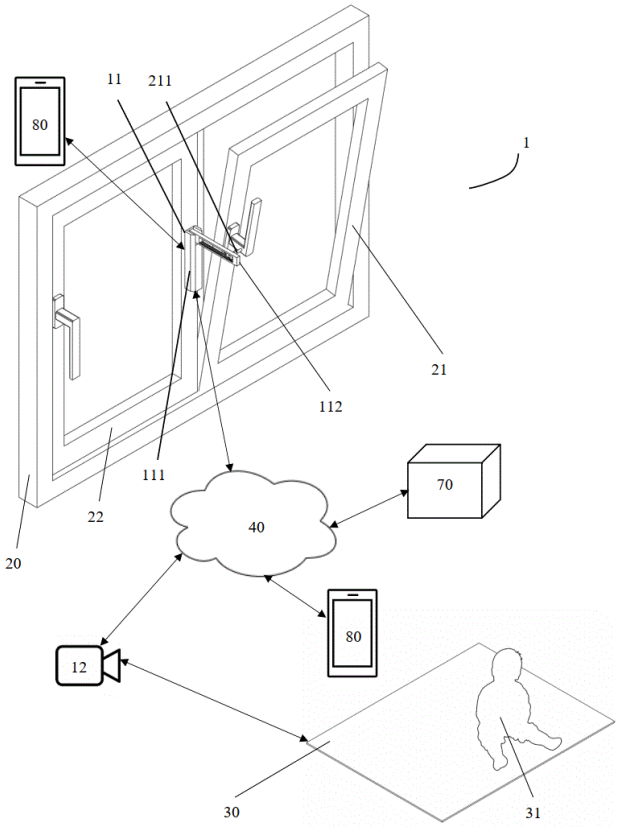
The proposed invention relates to computer systems and household appliances and can be used to control the position of a window or door leaf. The problem to be solved by the proposed invention is to provide methods and/or products and/or applications that allow to control the position of a window or door leaf in response to the presence of a child or a pet within the controlled area in order to prevent drafts or to prevent the pet from escaping through an open leaf. In some aspects, the problem to be solved by the proposed invention is to provide methods and/or products and/or applications that ensure quick detachment of the movable part of the leaf controller from the leaf or quick detachment of the movable part of the leaf controller from its stationary part in order to allow to manually control the position of the leaf.



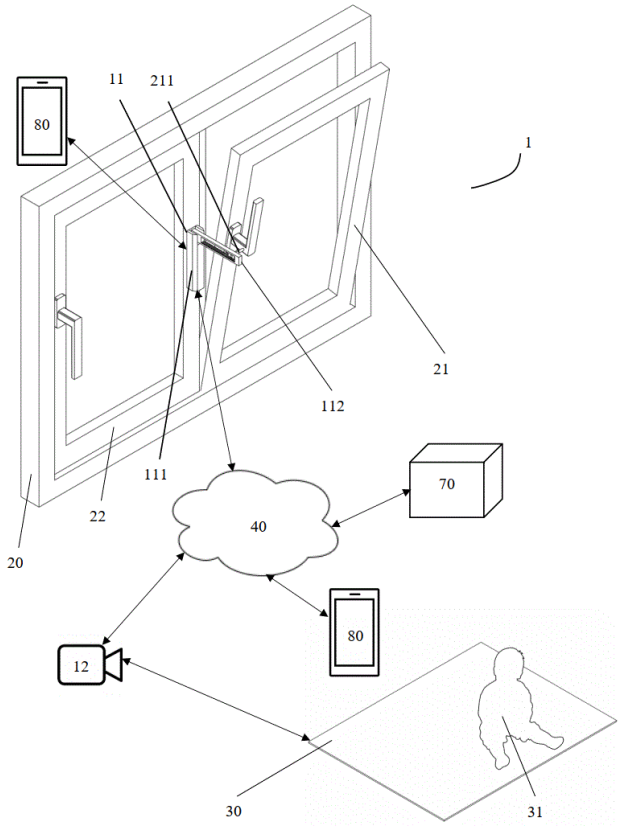
21: 2025/06953. 22: 2025/08/20. 43: 2026/03/11
51: E05F; G06F
71: LIMITED LIABILITY COMPANY ELAIRE
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2025119661 32: 2025-07-17
54: SYSTEM FOR CONTROLLING TURNING, TILTING, TURN-AND-TILT OR AWNING WINDOW OR DOOR LEAF POSITION
00: -

The proposed invention relates to computer systems and household appliances and can be used to control the position of a window or door leaf. The problem to be solved by the proposed invention is to provide methods and/or products and/or applications that allow to control the position of a window or door leaf in response to the presence of a child or a pet within the controlled area in order to prevent drafts or to prevent the pet from escaping through an open leaf. In some aspects, the problem to be solved by the proposed invention is to provide methods and/or products and/or applications that ensure quick

detachment of the movable part of the leaf controller from the leaf or quick detachment of the movable part of the leaf controller from its stationary part in order to allow to manually control the position of the leaf.



21: 2025/06954. 22: 2025/08/20. 43: 2026/03/11
51: E05F; G06F
71: LIMITED LIABILITY COMPANY ELAIRE
72: MOSALOVA Tatiana Nikolaevna, KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2025119666 32: 2025-07-17
54: SYSTEM FOR CONTROLLING SLIDING WINDOW OR DOOR LEAF POSITION
00: -
The proposed invention relates to computer systems and household appliances and can be used to control the position of a window or door leaf. The problem to be solved by the proposed invention is to provide methods and/or products and/or applications that allow to control the position of a window or door leaf in response to the presence of a child or a pet within the controlled area in order to prevent drafts or to prevent the pet from escaping through an open leaf. In some aspects, the problem to be solved by the proposed invention is to provide methods and/or products and/or applications that ensure quick detachment of the movable part of the leaf controller from the leaf or quick detachment of the movable part of the leaf controller from its stationary part in order to allow to manually control the position of the leaf.



21: 2025/06990. 22: 2025/08/21. 43: 2026/03/12
51: C12N
71: SHANDONG OX LIVESTOCK BREEDING CO., LTD., INSTITUTE OF ANIMAL SCIENCE AND VETERINARY MEDICINE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
72: ZHANG, Yan, XIAO, Yao, MA, Qingtao, LIU, Weijia, HAN, Yusong, WANG, Lingling, GAO, Yundong
33: CN 31: 2024111603275 32: 2024-08-22
54: EFFICIENT AND STANDARDIZED SERUM-FREE IN VITRO MATURATION MEDIUM FOR BOVINE OOCYTE AND APPLICATION THEREOF
00: -
The present invention belongs to the technical field of biology, and specifically relates to an efficient and standardized serum-free in vitro maturation medium for bovine oocytes and an application thereof. In the process of bovine in vitro embryo production, using

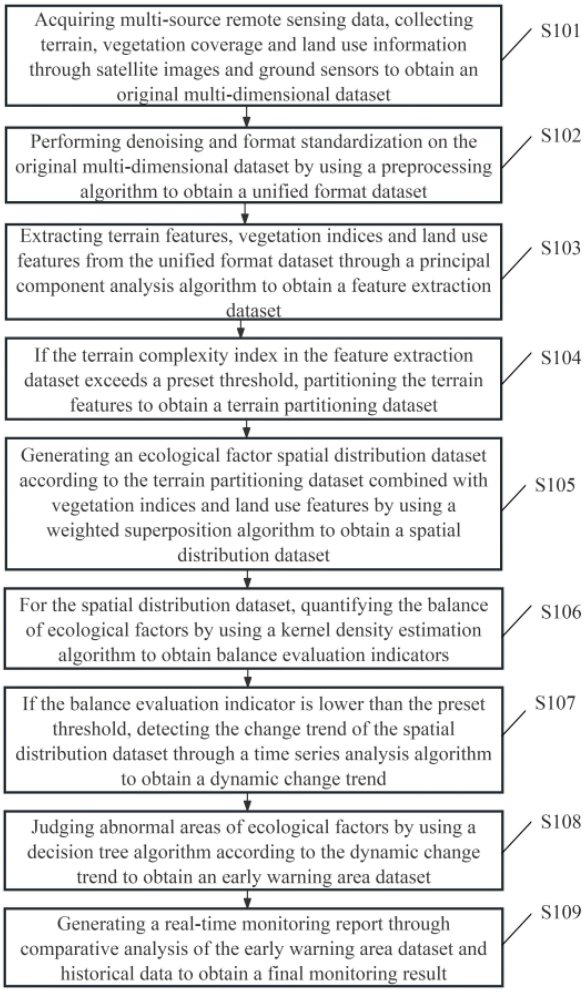
the in vitro maturation medium for bovine oocytes involved in the present invention to perform in vitro maturation on the collected oocytes can achieve a relatively high maturation rate; using commercial in vitro fertilization and embryo culture media for in vitro embryo culture of the matured oocytes can achieve a relatively high blastocyst rate; and using blastocysts cultured with the in vitro maturation medium involved in the present invention for embryo transfer can achieve a relatively high pregnancy rate after frozen embryo transfer.

21: 2025/06992. 22: 2025/08/21. 43: 2026/03/12
51: A23L
71: Shenliang Cheeyoung Time (Hainan) Biotechnology Co., Ltd.
72: ZHAN, Yonggong, WANG, Wenyou, GAO, Jianjun
54: LOW-RESIDUE SOFTENED SOD BETEL NUT AND PREPARATION METHOD THEREOF
00: -
The present invention relates to the field of betel nut processing and provides a low-residue softened superoxide dismutase (SOD) betel nut and a preparation method thereof. In the preparation method of a low-residue softened SOD betel nut, an added composite enzyme preparation has a minimal impact on the overall chewing taste of the betel nut. It can soften fibers, increase chewing elasticity, and reduce physical damage to the oral cavity caused by chewing the betel nut. Freezing treatment can reduce the production of short fiber residue in the betel nut, which not only ensures the chewing taste but also reduces frictional damage to the oral cavity caused by short fibers. SOD and pectin can reduce the production of the residue, protect oral mucosa, and effectively reduce the risk of oral mucosal lesions and oral diseases. The preparation method is simple and effective, and it is suitable for industrial production.

21: 2025/06994. 22: 2025/08/21. 43: 2026/03/12
51: A23L
71: Shenliang Cheeyoung Time (Hainan) Biotechnology Co., Ltd.
72: ZHAN, Yonggong, WANG, Wenyou, GAO, Jianjun
54: SOD-SOFTENED BETEL NUT FOR REDUCING DAMAGE TO ORAL CAVITY AND PROCESSING METHOD THEREOF
00: -
The present invention relates to the field of betel nut processing and specifically provides a superoxide dismutase (SOD)-softened betel nut for reducing damage to the oral cavity and a processing method thereof. The SOD-softened betel nut for reducing damage to the oral cavity provided by the present invention includes the following raw materials in parts by weight: 100-200 parts of betel nuts, 10-20 parts of honeysuckle, 5-10 parts of licorice, 5-15 parts of superoxide dismutase, and 100-500 parts of brine. The brine includes 20-80 parts of calcium hydroxide, 10-30 parts of sodium carbonate, and 70-390 parts of water. The SOD-softened betel nut according to the present invention can improve the eating experience of the betel nut and reduce the risk of oral mucosal lesions and oral diseases for betel nut consumers.

21: 2025/06995. 22: 2025/08/21. 43: 2026/03/12
51: G06Q
71: GUIZHOU EDUCATION UNIVERSITY
72: LONG Zexu, SUN Xue, DU Hairong
54: HABITAT DYNAMIC MONITORING METHOD BASED ON GEE
00: -
The present invention discloses a habitat dynamic monitoring method based on GEE, which belongs to the field of habitat dynamic monitoring, and includes: acquiring multi-source remote sensing data, collecting terrain, vegetation coverage and land use information through satellite images and ground sensors to obtain an original multi-dimensional dataset; performing denoising and format standardization on the original multi-dimensional dataset by using a preprocessing algorithm to obtain a unified format dataset; extracting terrain features, vegetation indices and land use features from the unified format dataset through a principal component analysis algorithm to obtain a feature extraction dataset; for the spatial distribution dataset, quantifying the balance of ecological factors by using a kernel density estimation algorithm to obtain balance evaluation indicators; judging abnormal areas of ecological factors by using a decision tree algorithm according to dynamic change trends to obtain an early warning area dataset; generating a real-time monitoring report through comparative

analysis of the early warning area dataset and historical data to obtain a final monitoring result.



21: 2025/06997. 22: 2025/08/21. 43: 2026/03/12
51: C12N
71: Inner Mongolia Minzu University
72: WANG Xingya, ZHAI Jingbo, XIAO Renfang, WU Yangtao, BAI Li, GAO Shuonan, YANG Yuanchao, WANG Hui, WEI Zhimeng

54: METHOD FOR EFFICIENT RELEASE OF INTRACELLULAR BRUCELLA NUCLEIC ACIDS AND APPLICATION THEREOF

00: -

The present invention discloses a method for efficient release of intracellular Brucella nucleic acids and its application, belonging to the field of biotechnology. The method comprises the following steps: adding a buffer containing L-arginine to a sample containing Brucella, followed by shaking and incubation; adding Brij-58, CTAB, and Triton X-100 to the shaken and incubated sample, performing ultrasonic treatment, then adding proteinase K for incubation; adding sodium pyrophosphate to inactivate enzymes. The invention provides a physical-chemical-enzymatic synergistic lysis system for Brucella, achieving efficient nucleic acid release through three-step targeted actions. The method of the invention enables high-efficiency nucleic acid release from lysed Brucella, with a nucleic acid yield reaching 39.2 nanograms per microliter; moreover, the extraction efficiency and repeatability are more stable. The invention provides a technical foundation for the detection of Brucella.

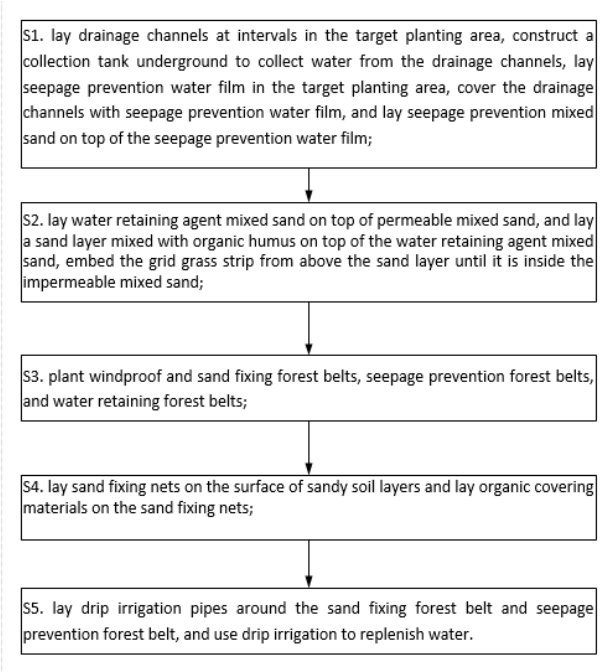
21: 2025/06998. 22: 2025/08/21. 43: 2026/03/12
51: A01B; A01G
71: INNER MONGOLIA ACADEMY OF AGRICULTURE & ANIMAL HUSBANDRY SCIENCES
72: YIN, Guomei, YE, Ruhan, LIU, Sibo, CHEN, Yang, WANG, Xinyou, ZHANG, Pujin, HASIBATEER, LIU, Xinchao, CHANG, Hong, HAO, Jie, LIU, Shanshan, WEN, Chao, SHI, Lei, XU, Jiayi, HUO, Zihua, YAN, Ruirui, LIAO, Guangji, SHAN, Jianguo, WANG, Haimei, MENG, Weijun, ZHANG, Lihua, ZHANG, Haijun, XIANG, Min

54: SAND ECOLOGICAL RESTORATION AND VEGETATION RECONSTRUCTION METHOD FOR SAND FIXATION, WATER RETENTION, AND SEEPAGE PREVENTION

00: -

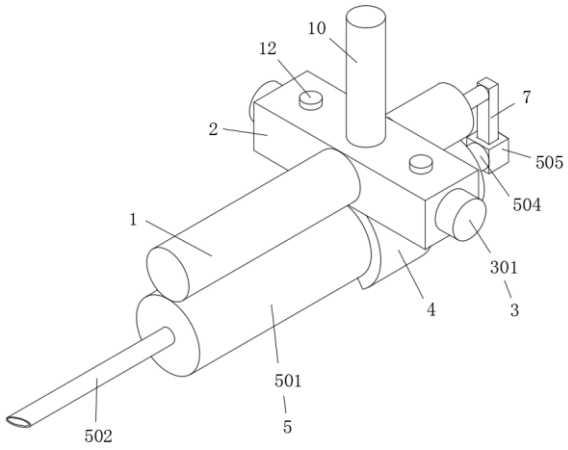
The present invention discloses a sand ecological restoration and vegetation reconstruction method for improving sand fixation, water retention, and seepage prevention in sandy planting regions. The method comprises laying water collection and drainage channels at intervals in the target planting area, constructing an underground collection tank for gathering water, and laying a seepage prevention water film covering the channels. A seepage prevention mixed sand layer is placed above the film, followed by a water-retaining agent mixed sand layer. Sand-fixing nets are arranged on the surface, which are further covered with organic materials to enhance soil stability. Drip irrigation pipes are positioned around forest belts, enabling targeted water replenishment. This structured approach reduces water loss, prevents seepage, and increases water utilization efficiency. It further enables the cultivation of vegetation capable of

establishing a stable ecological system in sandy soils, thereby significantly enhancing long-term soil restoration, desertification control, and sustainable vegetation growth.



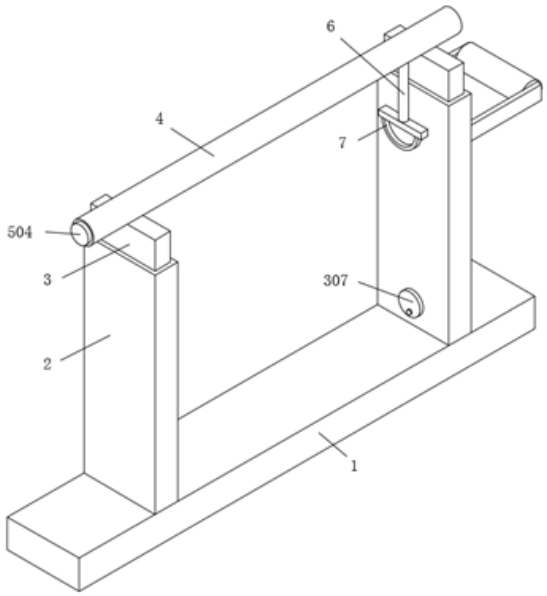
21: 2025/07001. 22: 2025/08/21. 43: 2026/03/13
51: A61B
71: SOUTHWEST MEDICAL UNIVERSITY
72: CHEN, Jingyu, MA, Jun, ZHOU, Yungang
54: TUMOR SAMPLING DEVICE CONVENIENT FOR SEPARATING TUMOR
00: -

The invention relates to the field of medical device technology and discloses a tumor sampling device convenient for separating tumor tissue. The device comprises an electric push rod, both sides of which are fixedly connected to an adjustment box containing an internal adjustment component. The lower part of the adjustment box has arc-shaped plates arranged on both sides, with a sampling component positioned between the plates. The adjustment component enables the arc-shaped plates to clamp and stabilize a sampling cylinder, thereby facilitating its secure installation. An installation block cooperates with an installation hole to provide stable positioning, after which a puncture needle can be inserted into the patient's body through a handle. By operating a control button, the electric push rod is actuated to achieve automatic sampling, enabling faster and more efficient tissue acquisition. This structure improves sampling stability, enhances safety, and significantly increases the effectiveness of tumor biopsy procedures.

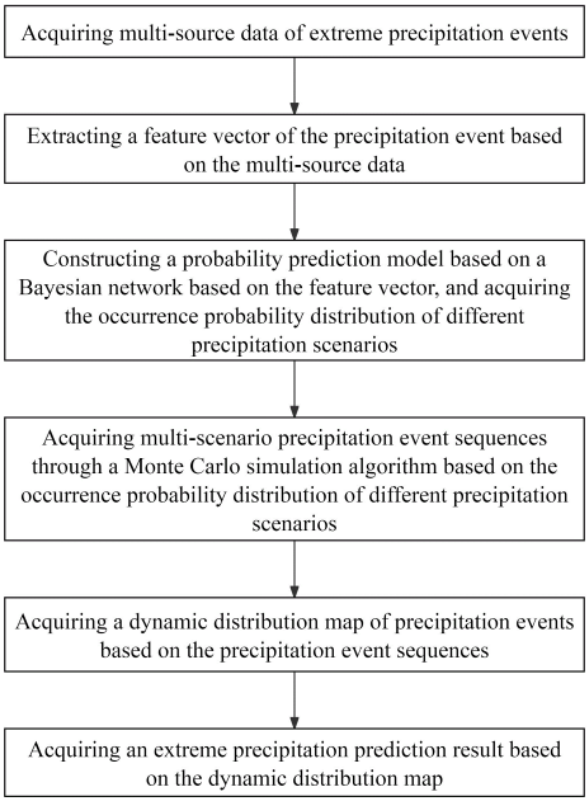


21: 2025/07002. 22: 2025/08/21. 43: 2026/03/13
51: A63B
71: XINYU UNIVERSITY
72: HE, Jiqiao, XIE, Yi, OU, Jun, BAI, Yunfan
54: PHYSICAL FITNESS TRAINING DEVICE FOR UNIVERSITY PHYSICAL EDUCATION TEACHING
00: -

The present invention relates to the field of physical education teaching technology and discloses a physical training device for use in university physical education teaching. The device comprises a base with support plates fixed on both sides. Within each support plate is a first adjustment component, the top of which supports a horizontal rod. Inside the horizontal rod is a second adjustment component. Connecting ropes extend downward from both sides of the horizontal rod, each terminating in a pull ring. The first adjustment component allows the height of the horizontal rod to be varied according to the trainer's stature, improving adaptability and comfort during training. The second adjustment component adjusts the spacing between the two pull rings, allowing modification of the exercise setup according to different training projects. This enhances functionality, supports a wider range of physical training activities, and improves training efficiency and results for university-level physical education programs.

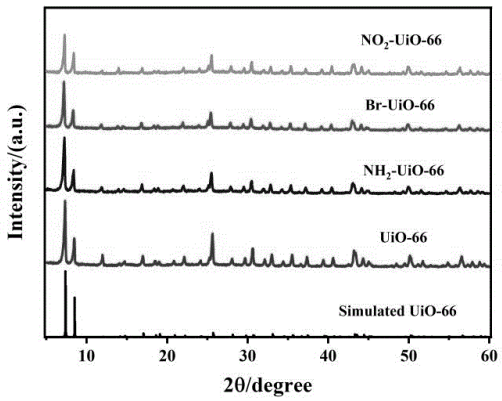


21: 2025/07022. 22: 2025/08/22. 43: 2026/03/13
51: G01W
71: Wuxi University
72: ZHU Huanhuan
54: METHOD FOR PREDICTING AND ANALYZING EXTREME PRECIPITATION
00: -
The present invention relates to a method for predicting and analyzing extreme precipitation, which includes: acquiring multi-source data of extreme precipitation events; extracting a feature vector of the precipitation event based on the multi-source data; constructing a probability prediction model based on a Bayesian network based on the feature vector to obtain the occurrence probability distribution of different precipitation scenarios; acquiring multi-scenario precipitation event sequences through a Monte Carlo simulation algorithm based on the occurrence probability distribution of different precipitation scenarios; acquiring a dynamic distribution map of precipitation events based on the precipitation event sequences; and acquiring an extreme precipitation prediction result based on the dynamic distribution map. The present invention realizes the full-chain prediction and risk assessment of extreme precipitation events, improves the early warning capability and response efficiency of extreme weather disasters, and provides a scientific basis for disaster prevention and mitigation.



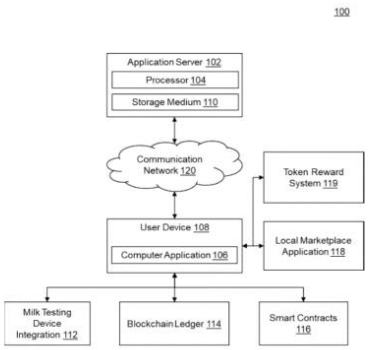
21: 2025/07025. 22: 2025/08/22. 43: 2026/03/13
51: G01N
71: HAINAN NORMAL UNIVERSITY
72: ZHANG Dan, HU Xiaojuan, SUN Wei, HUANG Yuhao, ZHOU Juan
54: FUNCTIONALIZED UIO-66, PREPARATION METHOD AND APPLICATION IN TOLUENE DETECTION
00: -
The present invention discloses a toluene-sensitive UiO-66, its preparation method, and application in toluene detection, belonging to the technical field of toluene detection. The preparation method of the toluene-sensitive UiO-66 includes the following steps: mixing zirconium tetrachloride, an organic ligand, L-histidine, a solvent, and acetic acid, heating the mixture to react, and obtaining the toluene-sensitive UiO-66. The organic ligand includes terephthalic acid, 2-aminoterephthalic acid, 2-bromoterephthalic acid, or nitroterephthalic acid. By introducing L-histidine as a structural modulator, the invention successfully synthesizes a series of toluene-sensitive UiO-66 with functionalized ligands and uniform morphology. Using the synthesized UiO-66 as a mass-sensitive sensing material

combined with quartz crystal microbalance (QCM) sensor technology, ultra-sensitive detection of toluene is achieved.

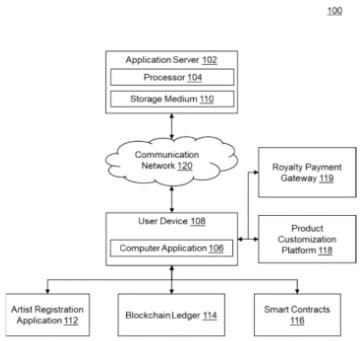


21: 2025/07521. 22: 2025/09/08. 43: 2026/03/12
51: G06F
71: Tylo SCOTT
72: Tylo SCOTT
33: ZA 31: 2024/05684 32: 2024-07-23
54: PROGRAMMABLE DEVICE
00: -
The invention discloses a programmable device, which includes a programmable Input/Output board based on the PIC24FJ256GA702, adapted to be programmed with a 5-pin male header using the MPLAB® ICD (In-Circuit Debugger/Programmer). The Input/Output board may be reprogrammable. The device may include the following components: at least six, eight or ten MOSFET triggered Outputs with flyback diodes for inductive loads; at least two Opto-Isolated Inputs; at least one Output to LED; at least one Bluetooth Classic (BR/EDR) and Low Energy (LE); and at least one External EEPROM Memory IC.

21: 2025/07702. 22: 2025/09/11. 43: 2026/03/12
51: F01B
71: Noida International University
72: Dharmsheel Shrivastava
54: BLOCKCHAIN FOR MILK QUALITY ASSESSMENT, AUTHENTICATION, AND LOCALIZED DISTRIBUTION TO PREVENT ADULTERATION
00: -
The present invention relates to a blockchain-based system for localized distribution, authentication, and real-time milk quality evaluation to stop adulteration. An immutable blockchain ledger and Internet of Things-enabled milk analyzers are integrated in the system to guarantee tamper-proof recording of pollutants, water content, SNF, and fat percentage. Direct transactions between farmers and consumers or between farmers and vendors are made possible by tokenized smart contracts that certify each batch. This decentralized supply network improves consumer trust, boosts farmer profitability, and lessens reliance on middlemen. Localized distribution is another feature of the system that lowers the risks of lengthy supply chains while maintaining fair trade, accountability, and transparency in the dairy industry.



21: 2025/07703. 22: 2025/09/11. 43: 2026/03/13
51: F01B
71: Noida International University
72: Nihar Das
54: BLOCKCHAIN SYSTEM FOR IDENTIFICATION, CERTIFICATION, AND COMMERCIALIZATION OF LOCAL ART INTO CUSTOMIZED PRODUCTS
00: -
The present invention relates to a blockchain-based system and procedure for identifying, authenticating, certifying, and commercializing regional or indigenous artworks. Decentralized artwork registration, unchangeable originality certification, and safe licensing for the production of personalized goods like apparel, accessories, home décor, and digital assets like NFTs are all made possible by the system. The platform uses smart contracts to secure artists' rights, distribute royalties transparently, and facilitate direct communication between artists and customers throughout the world. The concept offers local artists and companies throughout the world a scalable, transparent, and equitable ecosystem by fusing e-commerce with cultural preservation.

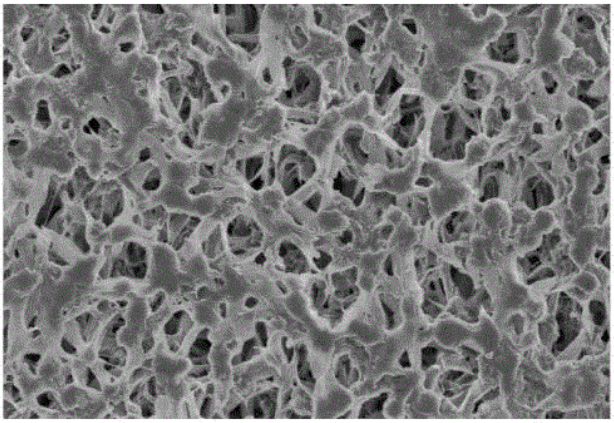


21: 2025/07704. 22: 2025/09/11. 43: 2026/03/12
51: B01D
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: LI Bang, WANG Yingchun, GU Xiaogang, REN Juncai, HU Xiaoxian, GUO Xiang, YIN Shiqiang, WU Junfeng

54: METHOD FOR SUPERHYDROPHOBIZING HYDROPHOBIC ORGANIC MEMBRANE

00: -

The invention relates to the technical field of chemical industry, in particular to a method for superhydrophobizing a hydrophobic organic membrane. The present invention first uses co-deposition of dopamine and polyethyleneimine to form a biomimetic adhesive layer on the membrane surface. The co-deposition layer firstly has mineralization sites, which can induce the in-situ generation of beta-FeOOH nanorods via a hydrothermal method, and secondly acts as an adhesive, effectively bonding the nanorods to the membrane surface to form a micro-nano structure. Subsequently, the mineralized membrane is heat-treated in air to obtain a pre-oxidized membrane, enhancing the stability of the nanostructure, adhesion, and the heat resistance of the base membrane. Finally, superhydrophobic membrane synthesis is achieved by reducing the surface energy. Through the method of the present invention, the surface of the hydrophobic organic membrane changes from hydrophobic to superhydrophobic, and the anti-fouling ability is greatly improved.

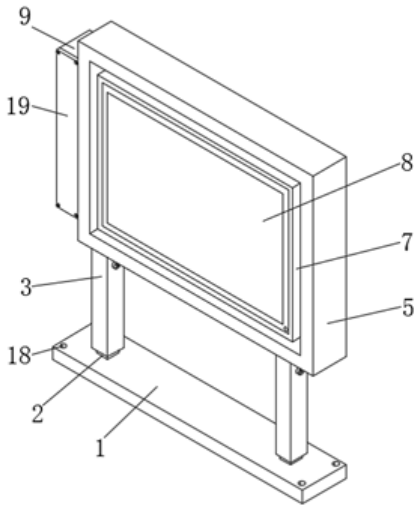


21: 2025/07705. 22: 2025/09/11. 43: 2026/03/12
51: G16H
71: XINYU UNIVERSITY
72: TAO, Qiuxiang, ZHANG, Xiaodong, FU, SiYong, LI, Qian, MO, XiaoLing

54: ELECTRONIC INFORMATION DEVICE FOR TRANSMITTING DRUG DELIVERY-RELATED INFORMATION

00: -

The present invention relates to medical information technology equipment and discloses an electronic information device for transmitting drug delivery-related information. The device comprises an installation plate with vertical plates fixed on both sides, and movable frames slidably connected to the vertical plates. Limit components are arranged at the tops of the movable frames, which support positioning frames. The structure further includes rotating shafts, back plates, electronic information modules, protective frames, screws, rectangular plates, gear plates, and gears. Through the arrangement of the positioning frames and rotating shafts, the usage angle of the electronic information device can be adjusted, while the installation plate, vertical plates, movable frames, and limit components enable height adjustment. The invention thus provides convenient angle and height adjustment of drug-related information devices, ensuring flexible use, improved adaptability to different working environments, and avoidance of operational limitations.



21: 2025/07706. 22: 2025/09/11. 43: 2026/03/12
51: B01D; C13K
71: SHANDONG STARLIGHT SO TRUE BIOLOGICAL TECHNOLOGY CO., LTD
72: LIU, Hongli, LI, Ning, WEI, Tianhui, WANG, Yanbin, LIANG, Tiewen, KONG, Chao, CHEN, Youming, YIN, Haijiao, LIU, Yan, ZHANG, Zuyan

54: METHOD FOR REUSING CRYSTALLINE FRUCTOSE MOTHER LIQUOR

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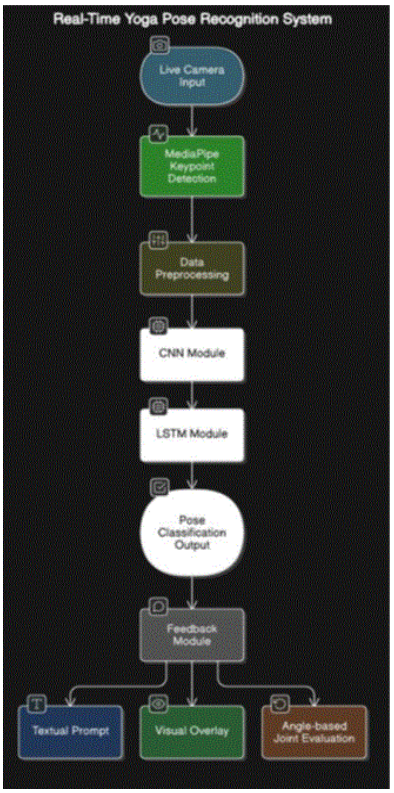
The present application discloses a method for reusing crystalline fructose mother liquor, belonging to the technical field of biological fermentation technology. The present application discloses the method for reusing crystalline fructose mother liquor, including fermentation production of erythritol, ceramic membrane filtration, nanofiltration treatment, ion exchange, evaporation and concentration, and crystallization and drying. According to the present application, the crystalline fructose mother liquor is used as a raw material for fermenting erythritol, the raw material cost is reduced, and the added value of products is improved. Simultaneously, the yield of erythritol is improved by precisely regulating and controlling fermentation parameters during the fermentation process.

21: 2025/07707. 22: 2025/09/11. 43: 2026/03/12
51: G06T
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, P. P., ANSINGKAR, Sharva, MADDIWAR, Anshul, BADHE, Arush, SHARMA, Arvind, KUMAR, Aryan

54: A REAL-TIME YOGA POSE RECOGNITION SYSTEM USING CNN AND LSTM

00: -

The present invention is related to a real-time yoga pose recognition system using CNN and LSTM. The invention introduces an artificial intelligence-based yoga pose identification system by the integration of Convolutional Neural Networks (CNN) and Long Short-Term Memory (LSTM) networks. The system recognizes dynamic yoga poses in real-time with instant feedback to the practitioners. With the help of sophisticated machine learning algorithms, it provides pose correction based on individual needs, and therefore it is ideal for home users, instructors, and healthcare professionals. This technology has enormous potential to be incorporated into fitness apps, wearable technology, and rehabilitation centers, both to improve virtual yoga experience as well as physical therapy use.



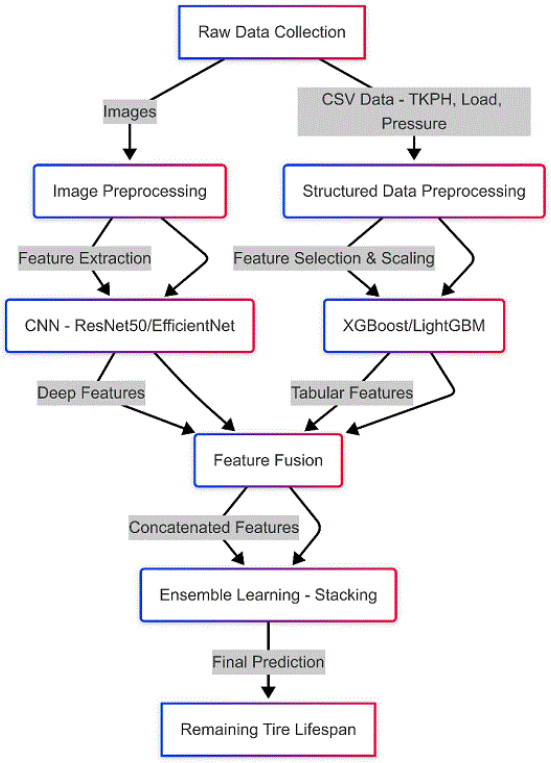
21: 2025/07708. 22: 2025/09/11. 43: 2026/03/12
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand, BHADBHADE, Aayush Jaiprakash, BAIRAGI, Jayesh Yogesh, BAVISKAR, Suraj

Mahendr, CHAVAN, Aarya Ravindra, CHUNKHADE, Shravani Sunil

54: HYBRID LEARNING SYSTEM FOR TIRE LIFESPAN PREDICTION VIA STRUCTURED DATA AND IMAGE ANALYSIS

00: -

The present invention is related to a hybrid learning system for tire lifespan prediction via structured data and image analysis. Tire life forecasting is an aspect of vehicle maintenance with safety implications involving repercussions for efficiency of operation and cost savings. Conventionally formulated models are all based on organized sensor readings like Tire Kilometer Per Hour (TKPH), pressure, and road and are not generally derived from patterns of visual wear. The multimodal hybrid learning model is developed in which deep learning based image processing and structured sensor data are integrated within an ensemble framework. ResNet50 and EfficientNet identify wear features in tire images, while XGBoost and LightGBM process sensor-based parameters. Both modalities are fused together using a fusion layer to improve the accuracy of prediction. Experimental verification illustrates that the system is more accurate compared to conventional single-modality models. Comparative analysis compared to other methods shows a dramatic reduction in prediction errors, enhancing accuracy for estimating remaining tire life. The hybrid method also offers more robust and generalizable predictions under various driving scenarios. The invention has far-reaching implications across the automotive sector, fleet management, and predictive maintenance systems, encouraging real-time tire monitoring, lower replacement costs, and improved road safety. Future research will involve integration with the Internet of Things, AI-based real-time monitoring, and eco-friendly tire materials for further performance and durability.



21: 2025/07709. 22: 2025/09/11. 43: 2026/03/12

51: G06N

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: VAYADANDE, Kuldeep, GHADEKAR, Premanand, KHEMKAAR, Gadieen, GAVALI, Vedika, GAWALI, Ninad, GHEWARE, Varad, HISSAL, Vinit

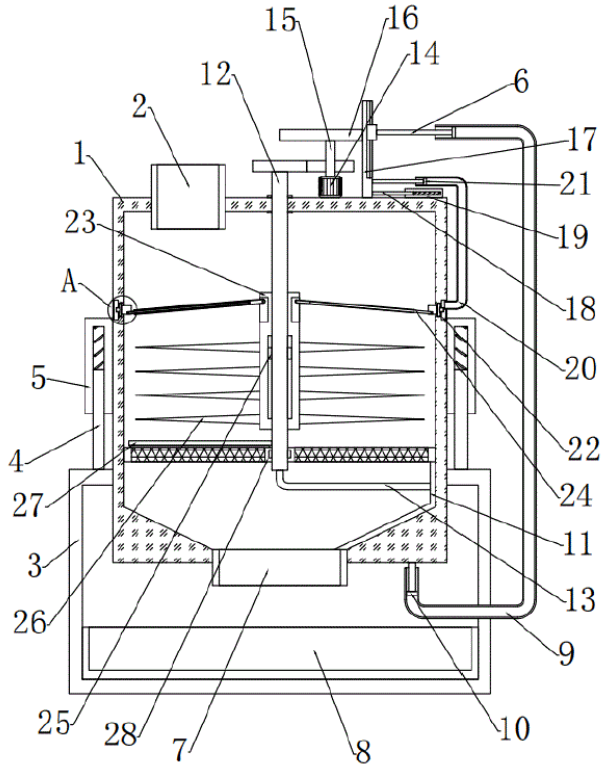
54: STACKED ENSEMBLE LEARNING SYSTEM FOR ACCURATE SUPERCONDUCTING CRITICAL TEMPERATURE PREDICTION

00: -

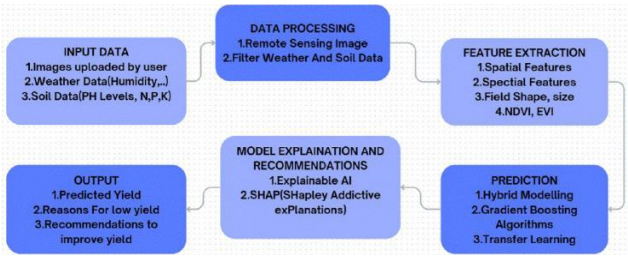
The present invention is related to stacked ensemble learning system for accurate superconducting critical temperature prediction. This invention presents a robust machine learning-based prediction system for superconducting critical temperature (Tc) using a stacked ensemble of XGBoost and Gradient Boosting models. It incorporates statistical preprocessing and meta-learning to enhance accuracy, achieving a test R^2 of 0.93. The system provides a data-driven tool for discovering high-Tc materials, supporting applications in quantum technologies, energy systems, and superconductivity research.

21: 2025/07710. 22: 2025/09/11. 43: 2026/03/12

51: A61K
71: Hunan Xiangfeng Camellia Oil Technology Co., Ltd.
72: LIU, Rukuan, WANG, Yanli, WANG, Sumei
33: CN 31: 2025109809382 32: 2025-07-16
54: PULVERIZING DEVICE FOR CAMELLIA OIL PROCESSING
00: -
The present invention relates to the technical field of pulverizing devices, and specifically to a pulverizing device for camellia oil processing, comprising: a box body and a base, wherein the box body is slidably connected to the base, fixed plates are fixedly arranged on both sides of the box body, slide plate plates fixedly connected to the base are slidably arranged on inner side sides of the fixed plate, and spring springs are fixedly arranged between the slide plate plates and the fixed plate plates; a feeding pipe and a discharging pipe; a recycling box; a pulverizing mechanism, wherein the pulverizing mechanism is connected to the box body; a jacking assembly, wherein the jacking assembly is connected to the base and to the pulverizing mechanism, and is used to cooperate with the pulverizing mechanism to realize a longitudinal vibration of the box body; the pulverizing mechanism comprises: a control assembly, a cutting assembly and a screening assembly. And by setting the pulverizing mechanism and cooperating with the jacking assembly, repeated pulverization of camellia seed particles can be completed, and the surface of the screening assembly can be automatically cleaned during the pulverizing process, so as to avoid clogging of the device during operation, thereby greatly improving the production efficiency of the device.



21: 2025/07711. 22: 2025/09/11. 43: 2026/03/13
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand, DESALE, Tejas Ashok, DESHMUKH, Tejas Kiran, HAJARE, Swapnil Sunil, DAMKONDWAR, Shreya Santosh, DHAYTONDE, Shreya Vitthal
54: PREDICTIVE MODELING AND FACTOR ANALYSIS SYSTEM FOR CROP YIELD USING SHAP-BASED EXPLAINABLE AI
00: -
The present invention is related to a predictive modeling and factor analysis system for crop yield using SHAP-based explainable AI. This invention includes a machine learning-based system for predicting crop yield based on soil, weather, and historical agricultural data. Combining ensemble algorithms (SVR, XGBoost, and Neural Networks) with SHAP explainability ensures transparency and accuracy in predictions. This system provides data-based recommendation decisions to improve farming practices and promote sustainable agriculture, incorporating better forecasting and resource optimization.

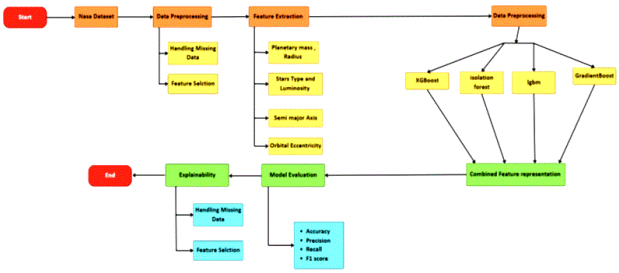


21: 2025/07712. 22: 2025/09/11. 43: 2026/03/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand P., CHAURASIYA, Rajiv Rajesh, CHAUKHANDE, Yogiraj Prashant, CHAUDHARI, Khilesh Manoj, BIHANI, Yogesh Indra Chand, CHIKTE, Abhay Sanjay

54: A SYSTEM TO ASSESS THE POTENTIAL FOR LIFE ON EXOPLANETS

00: -

The present invention is related to a system to assess the potential for life on exoplanets. This invention discusses the feasibility of engaging sophisticated deep-learning approaches such as Neural Networks, Transformers, and Confusion Matrices to predict the existence of life on another planet. In this system, NASA dataset was evaluated which contains a variety of astronomical data and signals that can be evaluated to classify planets in terms of conditions that could support life. Typically, classifying data, signals, or images is time-consuming and can produce erroneous conclusions because these classifications are generally done by the human eye. The invention provides a classification system that almost exclusively relies on deep-learning Neural Networks which uses meaningful features of the data in order to classify if conditions would or would not support life. The dataset was split into conditions that would support life and non-support conditions accounting for a 70% of instances being used for training and 30% for testing. The system is assessed based on Classification Accuracy (CA) rates, Missed Detection Rate (MDR), and False Detection Rate (FDR). Overall, Deep Learning processes offer a strong option to continue the search for life beyond Earth. Additionally, the system outlined the features of model performance with respect to feature selection and data preprocessing. Future work will focus on expanding the dataset with additional planetary parameters and improving model generalization through transfer learning. The deep learning model, achieved a classification accuracy of 97.7, significantly improving upon previous models. This enhanced accuracy resulted in a lower Missed Detection Rate (MDR) and False Detection Rate (FDR), ensuring more reliable exoplanet habitability classification.



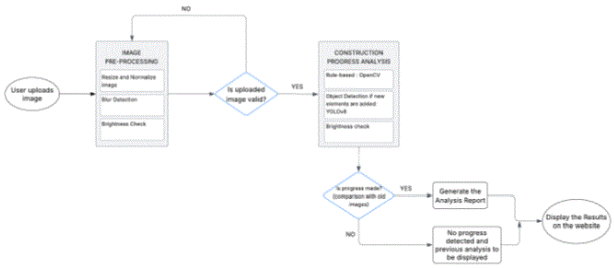
21: 2025/07713. 22: 2025/09/11. 43: 2026/03/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand P., HINGE, Rutu, CHANDAK, Sejal, BADWE, Bhargav, BHIRANGI, Nirbhay, DAMAHE, Isha

54: PROGRESS TRACKING AND EVALUATION SYSTEM FOR CONSTRUCTION SITES USING RULE-BASED COMPARISON AND DEEP LEARNING

00: -

The present invention is related to a progress tracking and evaluation system for construction sites using rule-based comparison and deep learning. Progress-monitoring is a vital phase in field of Construction, however, existing traditional procedures, rely mostly on manual inspections and documentation, which are time consuming and can lead to human errors and timeline delays. This invention is an AI-driven construction monitoring system that integrates computer vision, machine learning, and real-time data analysis. The system utilizes Convolutional Neural Networks (CNNs), such as VGG16 and ResNet50, to categorize different building stages, while the object identification model YOLOv8, detects the structural changes like recently constructed walls and floors. OpenCV-based preprocessing methods including cleaning, segmentation, and edge detection are used to improve prediction accuracy. This framework can be incorporated into a web-based platform using

Flask/Django. The benefits of the system include: (1) Transfer learning with pre- trained CNNs improves accuracy on limited labeled construction datasets; (2) YOLOv8 enables real-time object detection with reduced inference time; (3) OpenCV-based preprocessing enhances model interpretability, hence reducing false detections in dynamic site conditions.

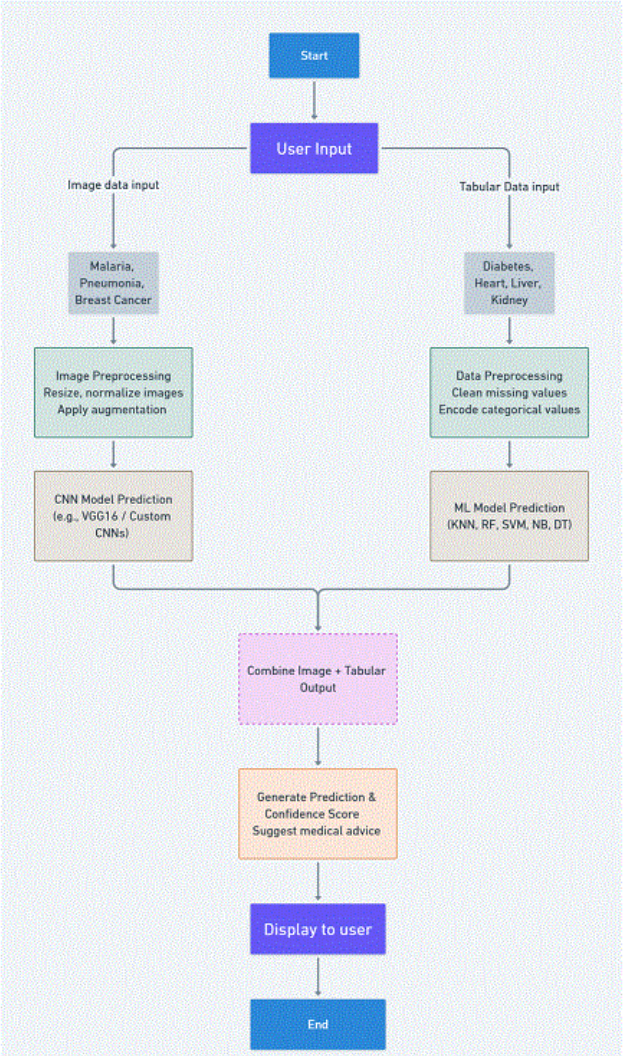


21: 2025/07714. 22: 2025/09/11. 43: 2026/03/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand, DHOLE, Aryan Sudarshan, SHARMA, Dhruva Prakashkumar, PANDEY, Divyansh Anup, DIWAN, Pranjali Prasad, DIWAN, Shashwat Rajeshwar

54: INNOVATIVE MULTIPLE DISEASE PREDICTION SYSTEM USING HYBRID ALGORITHM

00: -

The present invention is related to an innovative multiple disease prediction system using hybrid algorithm. This invention presents a real-time web-based platform that predicts multiple diseases using a hybrid approach of CNN for image analysis and KNN, RF, and SVM for structured health data. The platform supports diseases such as Malaria, Pneumonia, Breast Cancer, Diabetes, Heart Disease, Liver Disease, and Kidney Disease. The system achieves high accuracy (>95% for image-based and 88–92% for structured data) and provides immediate health insights. It enhances diagnostic accessibility, speed, and accuracy while enabling future integrations with EHRs, federated learning, and telemedicine.



21: 2025/07715. 22: 2025/09/11. 43: 2026/03/13
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand, BHAGAT, Aditya, MANE, Anish, THOTE, Anshul, SHAHARE, Ayush, BAGDE, Arhant

54: AI-BASED ECOSYSTEM MONITORING SYSTEM USING CNN WITH EXPLAINABLE INTELLIGENCE

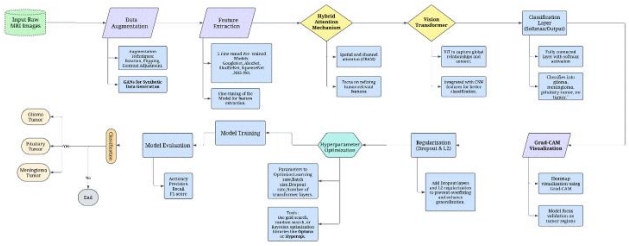
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The present invention is related to AI-based ecosystem monitoring system using CNN with explainable intelligence. The innovation is an artificial intelligence (AI) environment-tracking system, which uses convolutional neural networks (CNN) to classify the ecological data. It uses Explainable Artificial Intelligence (XAI) to make model predictions understandable. The system

automatically provides real-time analysis of environmental data from sensors or images and generates comprehensible outputs in a simple interface. This enhances trust, facilitates quicker decisions, and can be applied to many ecological and industrial applications.

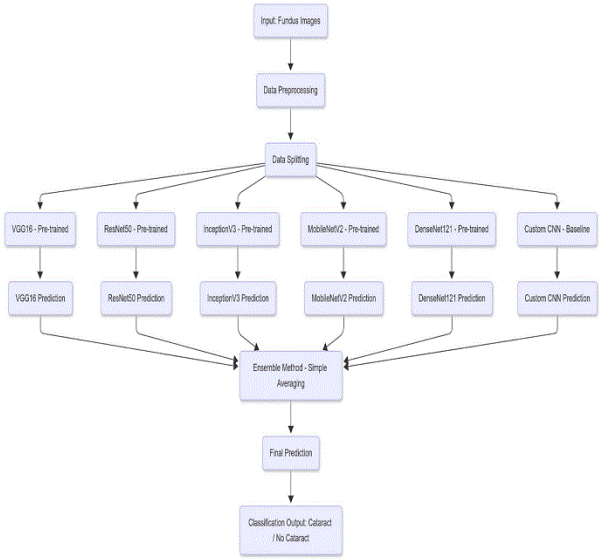
21: 2025/07716. 22: 2025/09/11. 43: 2026/03/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand, GAIKWAD, Varun Rajendra, GAGARE, Ayush Anil, GAIKWAD, Shubham, BORNAR, Vaishnavi Prakash, DONGARE, Sudarshana Dinesh
54: BRAIN TUMOR CLASSIFICATION AND DETECTION SYSTEM USING DEEP LEARNING
00: -

The present invention is related to a brain tumor classification and detection system using deep learning. This invention is meant for the automatic brain tumors detection and classify it via the MRI scans by means of deep learning. It uses an ensemble of fine-tuned pre-trained CNNs and employs majority vote for better accuracy. Model decisions are de-interpreted with the help of Grad-CAM visualizations. Up to 98.6% accuracy can be reached by the system which is suitable for its use in clinical as it is reliable, scalable, reasonably priced and has low deduction of computational proceeding.



21: 2025/07717. 22: 2025/09/11. 43: 2026/03/13
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep Baban, GHADEKAR, Premanand Pralhad, DAFTARDAR, Jay Girish, DANGE, Harsh Satish, DARADE, Archit Sanjay, DATIR, Krushna Vinod, DESAI, Aryan Deelip
54: EYE CATARACT DETECTION SYSTEM USING TRANSFER LEARNING AND ENSEMBLE TECHNIQUES
00: -

The present invention is related to an eye cataract detection system using transfer learning and ensemble techniques. This Invention presents a deep learning based automatic cataract detection system using custom CNN baseline and transfer learning with pre-trained architectures VGG16, ResNet50, InceptionV3, MobileNetV2, and DenseNet121. The approach utilizes standardized preprocessing involving image normalization and suitable resizing per architecture. A simple averaging ensemble strategy is implemented combining predictions from compatible models, achieving 97.52% accuracy, significantly outperforming individual model implementations. Each model underwent comprehensive evaluation using accuracy metrics, con-fusion matrices, classification reports, and visualization techniques including ROC curves and precision-recall analysis for the ensemble. This systematic comparison of deep learning approaches provides valuable insights for developing efficient cataract screening tools, particularly beneficial in areas with limited access to ophthalmologists. The invention contributes to the advancement of automated diagnostic systems in ophthalmology, with potential applications in similar medical imaging classification tasks.



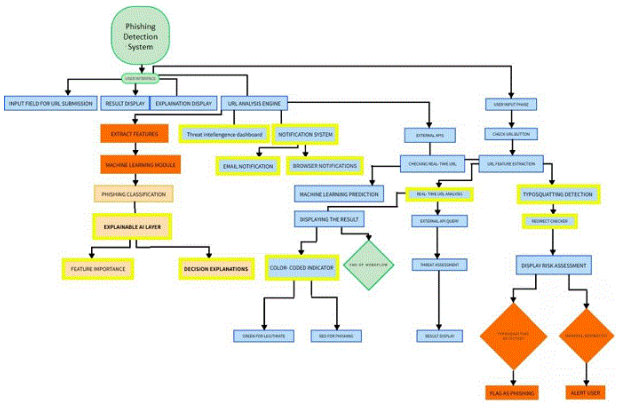
21: 2025/07718. 22: 2025/09/11. 43: 2026/03/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, P. P., RAMTEKE, Aasama Ajay, NAIR, Anush Anil,

SINGH, Arsh Anil, BABAR, Ruchita Satish, BADGUJAR, Rutuja Rajesh

54: PHISHING DETECTION SYSTEM USING RANDOM FOREST, LASSO, BOOTSTRAP SAMPLING, AND REAL-TIME INTELLIGENCE

00: -

The present invention is related to a phishing detection system using random forest, LASSO, bootstrap sampling, and real-time intelligence. The invention describes a novel phishing detection system that integrates random forest with weighted bootstrapping sampling (WBS) and Lasso feature selection. It combines the real-time detection with accuracy and explainability via Explainable AI (SHAP and LIME). In real-time, threats intelligence APIs parse URLs and inform users of detected phishing activity. Against conventional models, the system would defend against sophisticated phishing attacks: such as typo-squatting and redirection-with an accuracy of 98% and few false positives.

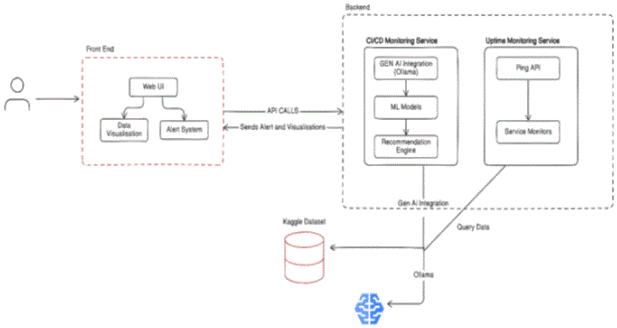


21: 2025/07719. 22: 2025/09/11. 43: 2026/03/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GHADEKAR, P. P., VAYADANDE, Kuldeep, SIVAKUMAR, Aditri, BHATTACHARYA, Aditya, KARAD, Aditya, ANAND, Arnav, BACHUTE, Orison

54: AN AI-POWERED MONITORING FRAMEWORK FOR CI/CD PIPELINES AND WEB SERVICE HEALTH TRACKING

00: -

The present invention is related to an AI-powered monitoring framework for CI/CD pipelines and web service health tracking. This invention proposes an AI-enabled monitoring solution with a unique combination of Generative AI and machine learning to capture CD and uptime services. It's designed to improve observable conditions, automate anomaly detection, and recommend on-time solutions that decrease downtime and improve efficiency during deployments. This, in turn, gives way to massive scalability for deployment across the cloud environment, offering new sales in the shape of DevOps automation.

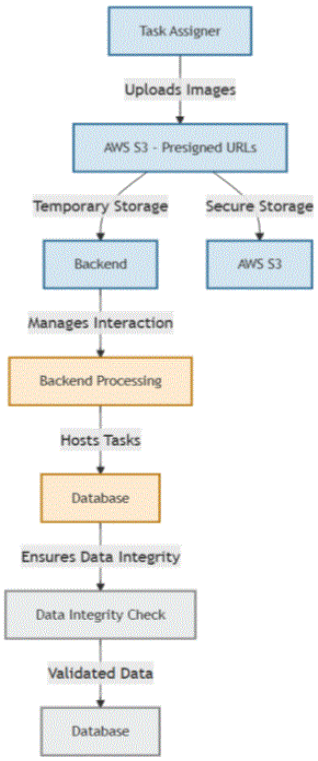


21: 2025/07720. 22: 2025/09/11. 43: 2026/03/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep, GHADEKAR, Premanand P., BARDIYA, Jiya, BHOSALE, Yash, BHENDE, Shrirang, BORKAR, Dhanashree Deepak, CHAPKE, Anand

54: BLOCKCHAIN-BASED PAYMENT VERIFICATION SYSTEM FOR SECURE DATA LABELING USING CLOUD STORAGE

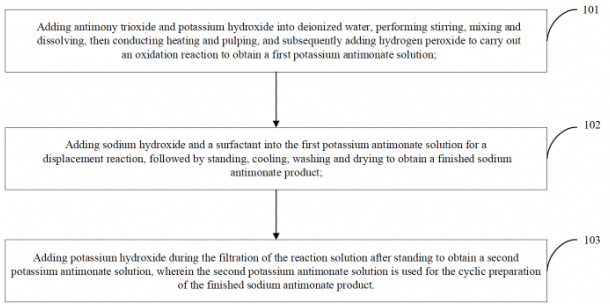
00: -

The present invention is related to a blockchain-based payment verification system for secure data labeling using cloud storage. The invention is a blockchain based platform to provide reliable, transparent payment validation and data management services for AI/data labeling application. The system uses SOLANA blockchain and AWS S3 and provide decentralized yet highly scalable and efficient SaaS solution with smart contract-based payouts and cloud based secure storage.



21: 2025/07751. 22: 2025/09/12. 43: 2026/03/13
51: C01G
71: Yiyang Shengli Material Technology Co., Ltd.
72: Lei Tang, Wei Meng, Lin Huang, Wei Yang, Wang Xia
33: CN 31: 202411443220 .1 32: 2024-10-16
54: A CYCLIC PREPARATION METHOD FOR SODIUM ANTIMONATE
00: -

The invention discloses a cyclic preparation method of sodium antimonate, which includes the following steps: First, add antimony trioxide and potassium hydroxide into deionized water, stir for mixing and dissolution, then conduct heating and pulping; subsequently, add hydrogen peroxide to carry out an oxidation reaction, so as to obtain a first potassium antimonate solution. Next, add sodium hydroxide and a surfactant into the aforementioned first potassium antimonate solution to perform a displacement reaction; after standing, cooling, washing and drying, the finished product of sodium antimonate is obtained. Finally, add potassium hydroxide into the filtered reaction solution after the standing step to obtain a second potassium antimonate solution, and the second potassium antimonate solution is used for the cyclic preparation of the aforementioned sodium antimonate finished product. On one hand, this method can ensure that the product obtained in each cycle has good properties, where the antimony content and arsenic content basically meet the required standards, and the yield is quite considerable; on the other hand, it can control costs and improve the utilization rate of lye in the sodium antimonate preparation process.



21: 2025/07752. 22: 2025/09/12. 43: 2026/03/13
51: A23K
71: Xingtai Shijue Pet Food Co., Ltd
72: Huang Qianchao
33: CN 31: 202510733521.6 32: 2025-06-04
54: A KIND OF FULL-PRICE EASILY DIGESTIBLE PET FOOD AND PREPARATION METHOD
00: -

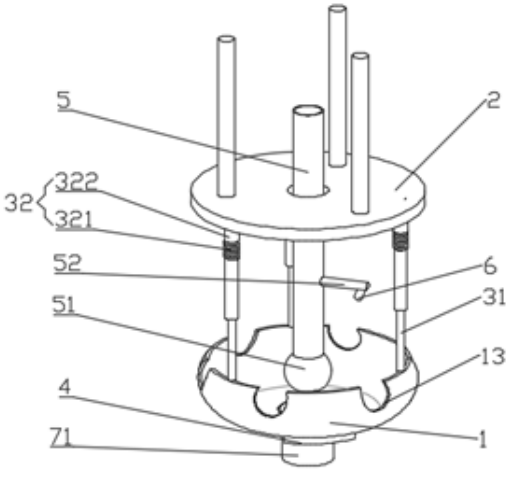
The present invention relates to the technical field of animal food, in particular to a full-price and easily digestible pet food and its preparation method. The full-price and easily digestible pet food comprises chicken meat, fish meat, rabbit meat, chicken liver, sweet potato, cassava, chicken oil, fish oil, goat milk powder, yeast hydrolysate, cellulose, Chinese yam powder, pumpkin powder, blueberry powder, cranberry powder, flaxseed powder, chicory root powder, and a compound additive. This full-price and easily digestible pet food not only has comprehensive and balanced nutrition and is easy to digest and absorb, but also can effectively enhance pets' immunity, improve oral health, reduce gastrointestinal problems, and has a long shelf life and good palatability. The preparation method of the present invention, through crushing and granulation, is conducive to pets' chewing and digestion, increases the contact area between raw materials and pets' digestive enzymes, improves digestion efficiency, and enhances the stability and bioavailability of each component.

21: 2025/07754. 22: 2025/09/12. 43: 2026/03/13
51: A01K
71: QINGHAI PROVINCIAL GENERAL ANIMAL HUSBANDRY STATION
72: AN, Lihong

54: HANGING TRAY TYPE DRINKING WATER DEVICE FOR LIVESTOCK AND POULTRY BREADING

00: -

The present invention relates to the technical field of poultry breeding and discloses a hanging tray-type drinking water device for livestock and poultry. The device comprises a water tray, a hanging bracket, a water conduit, a balance assembly, and counterweight blocks. The hanging bracket is suspended from the roof of a shed, and the water tray is connected to the bracket through the balance assembly. The balance assembly includes multiple balance rods and elastic members, with one end of each rod hinged to the water tray and the opposite end connected to the hanging bracket via the elastic members. A water conduit connects an external water source to the tray's water storage area. The bottom of the tray is formed with fan-shaped counterweight grooves in which counterweight blocks are secured. This arrangement effectively prevents tilting and shaking of the water tray during use, ensuring stable water supply for livestock and poultry

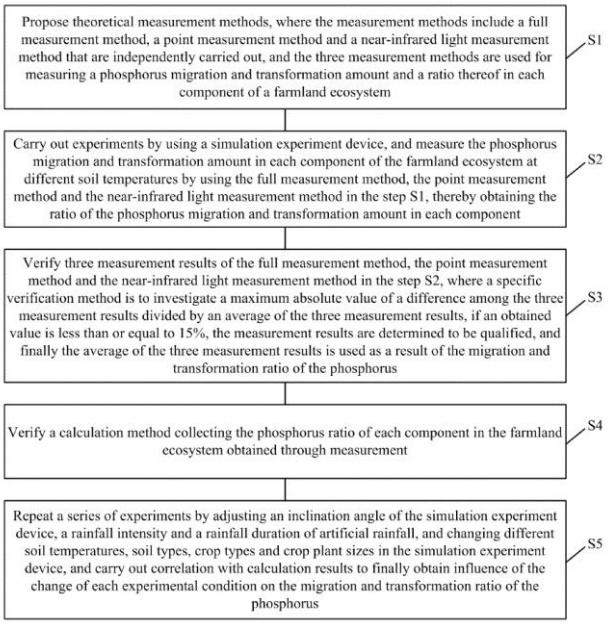


21: 2025/07755. 22: 2025/09/12. 43: 2026/03/13
51: G01N
71: China Institute of Water Resources and Hydropower Research
72: BI, Wuxia, GUO, Jianying, YANG, Yongsen, LIU, Yufei, JING, Lanshu, HAN, Jingyi, LIU, Xiao, CHEN, Jing, ZHANG, Xiaolei, LIU, Dong

54: METHOD AND DEVICE FOR MEASURING MIGRATION AND TRANSFORMATION RATIO OF PHOSPHORUS IN FARMLAND BASED ON SOIL TEMPERATURE

00: -

Disclosed are a method and device for measuring a migration and transformation ratio of phosphorus in farmland based on a soil temperature. According to the method, firstly, a phosphorus migration and transformation amount and a ratio thereof in each component are measured by using three independent methods, namely a full measurement method, a point measurement method, and a near-infrared light measurement method. Then, measurement results of the three measurement methods are verified, where if a ratio of a maximum absolute value of a difference among the three measurement results to an average of the three measurement results is less than or equal to 15 percent, the measurement results are determined to be qualified. Finally, the average is used as a result of the migration and transformation ratio of the phosphorus.



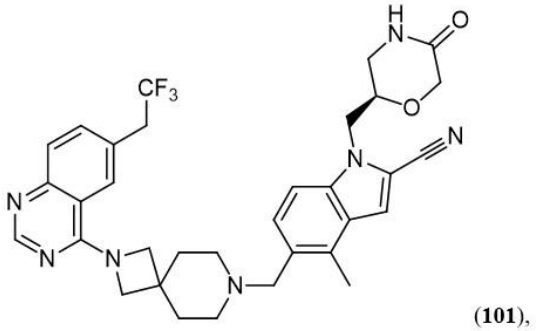
21: 2025/08164. 22: 2025/09/25. 43: 2026/02/09
51: A61K; C07D; A61P
71: BALA THERAPEUTICS, INC.

72: ABAGYAN, Ruben, PARCHINSKY, Vladislav Zenonovich, SAVCHUK, Nikolay, IVACHTCHENKO, Alexandre Vasilievich, KHVAT, Alexander
33: US 31: 63/287,716 32: 2021-12-09
33: US 31: 63/306,399 32: 2022-02-03
33: US 31: 63/397,322 32: 2022-08-11

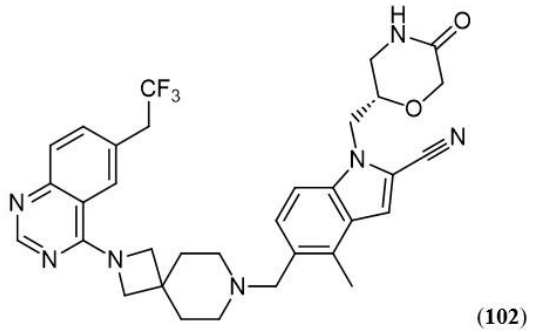
54: INHIBITORS OF MENIN-MLL INTERACTION

00: -

The present invention is directed to the compounds 101 and 102 – inhibitors of the interaction of menin and MLL. The inhibitors described herein can be useful in the treatment of diseases or disorders associated with menin-MLL interaction, such as cancer. In particular, the invention is concerned with compounds and pharmaceutical compositions inhibiting/blocking menin-MLL interaction, methods of treating diseases or disorders associated with menin-MLL interaction, and methods of synthesizing these compounds.



(101),



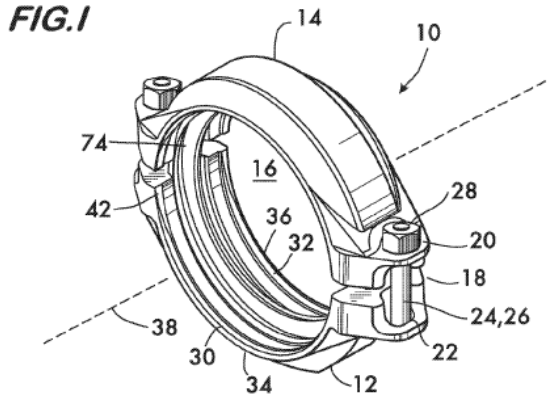
(102)

21: 2025/08765. 22: 2025/10/17. 43: 2026/02/03
51: F16L
71: VICTAULIC COMPANY
72: BRANDT, Justin P., CUVO, Anthony J., BANCROFT, Philip Wayne
33: US 31: 62/449,765 32: 2017-01-24

54: COUPLING AND CIRCUMFERENTIAL GROOVE SHAPE

00: -

Pipe elements have circumferential grooves. The grooves have a first side surface contiguous with a first floor surface. The first side surface and the first floor surface together subtend a first 90° circular arc when viewed in cross section. The grooves also have a second side surface contiguous with a second floor surface. The second side surface is in spaced relation to and in facing relation with the first side surface. The second side surface and the second floor surface together subtend a second 90° circular arc when viewed in cross section. A third floor surface is contiguous with both the first and second floor surfaces and is a flat surface. A coupling used to connect the pipe elements has arcuate projections which engage the grooves of the pipe elements. The arcuate projections have a semi-circular cross section. Relief grooves are positioned adjacent to each arcuate projection.



21: 2025/09046. 22: 2025/10/28. 43: 2026/01/19
51: C07K
71: Janssen Biotech, Inc., Protagonist Therapeutics, Inc.
72: SUN, Chengzao, FREDERICK, Brian Troy, SOMANI, Sandeep, BOURNE, Gregory Thomas, PATCH, Raymond, BHANDARI, Ashok, INGENITO, Raffaele, COSTANTE, Roberto, BRANCA, Danila, BIANCHI, Elisabetta
33: US 31: 62/961,624 32: 2020-01-15

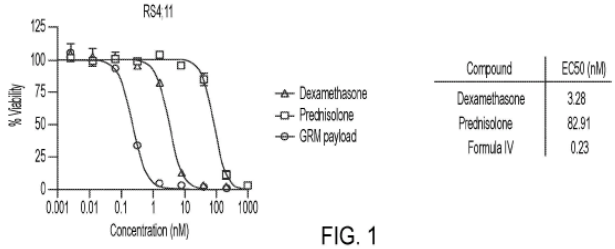
54: PEPTIDE INHIBITORS OF INTERLEUKIN-23 RECEPTOR AND THEIR USE TO TREAT INFLAMMATORY DISEASES

00: -

The present invention provides novel peptide inhibitors of the interleukin-23 receptor, and related compositions and methods of using these peptide inhibitors to treat or prevent a variety of diseases

and disorders, including inflammatory bowel diseases.

21: 2025/09220. 22: 2025/10/31. 43: 2026/01/21
51: A61K; A61P; C07J; C07K
71: AbbVie Biotherapeutics Inc.
72: CHANG, Chewei A., EMBERLEY, Ethan D., HOBSON, Adrian D., MARVIN, Christopher C., PURCELL, James W.
33: US 31: 63/366,520 32: 2022-06-16
54: ANTI-CD19 ANTIBODY DRUG CONJUGATES
00: -
The present disclosure provides anti-CD19 antibody drug conjugates (ADCs), including compositions and methods of using such ADCs.

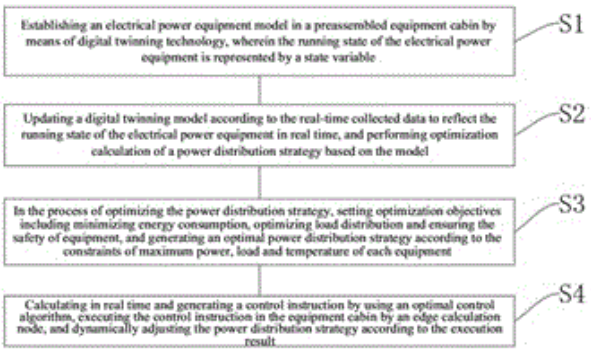


Compound	EC50 (nM)
Dexamethasone	3.28
Prednisolone	82.91
Formula IV	0.23

FIG. 1

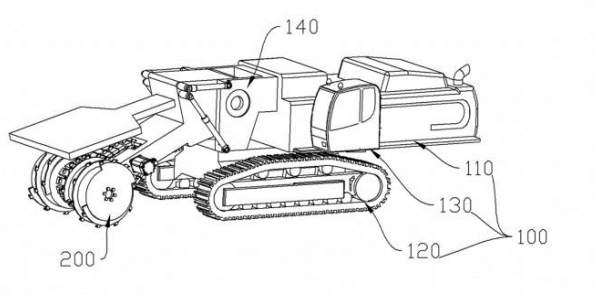
21: 2025/10415. 22: 2025/12/03. 43: 2026/01/07
51: C12N; B09B; A23K
71: BEIJING GOLDENWAY BIO-TECH CO., LTD.
72: LIU, PENG, MA, QIAN, CHEN, RIYUAN, YANG, YAN, KAN, FENGLING, CAO, XIAOGANG, YANG, YUANHUI
33: CN 31: 202510961776.8 32: 2025-07-14
54: COMPOUND MICROBIAL AGENT AND USE THEREOF IN RESOURCE UTILIZATION OF KITCHEN GARBAGE
00: -
The present application relates to the technical field of kitchen garbage treatment and specifically discloses a compound microbial agent and a use thereof in resource utilization of kitchen garbage. The compound microbial agent includes component A and compound B, wherein the component A is composed of Bacillus velezensis, Bacillus amyloliquefaciens, Pseudomonas, Bacillus atrophaeus, Brevibacillus laterosporus and Trichoderma harzianum which are mixed; and the component B is composed of Bacillus paracilliciformis, Bacillus licheniformis, Bacillus ureothermophilus, and Bacillus stearothermophilus which are mixed. The technical solution for resource treatment of kitchen garbage by utilizing the compound microbial agent provided in the present application can effectively improve the degradation effect of kitchen garbage, realize the reduction, harmless treatment and recycling of kitchen garbage and reduce energy consumption in the treatment process. Moreover, when used as a soil conditioner and a feed, the resource treatment product of kitchen garbage has excellent use effects.

21: 2025/10719. 22: 2025/12/11. 43: 2026/01/07
51: H02J; G06N
71: BEIJING BEIFANG YONGDA INTELLIGENT ELECTRIC CO., LTD.
72: XU, HUI, HAN, CONG, ZHAI, HAOLAN, LI, RUIFENG, DONG, HUAZHENG, CAO, AIJUAN
33: CN 31: 202510345710.6 32: 2025-03-24
54: PREASSEMBLED EQUIPMENT CABIN POWER DISTRIBUTION CONTROL METHOD BASED ON DIGITAL TWINNING
00: -
The present application relates to the field of electrical power equipment management, and discloses a preassembled equipment cabin power distribution control method based on digital twinning. An electrical power equipment model is established, real-time data collection and model update are performed by using digital twinning technology so as to minimize energy consumption, optimize load distribution and ensure equipment safety. The optimal control algorithm is used to generate control instructions, and the power distribution strategy is dynamically adjusted by the edge calculation nodes to ensure the efficient and safe operation of the equipment. The present invention also provides a preassembled equipment cabin power distribution control system based on digital twinning, including a digital twinning module, an optimal control module, an edge calculation module and a set of sensors. The present invention real-time monitors the equipment state and optimizes the power distribution strategy by using the digital twinning technology, the optimal control algorithm and the edge calculation, and solves the problems of real-time feedback, strategy adjustment lag and equipment overload in traditional solutions by combining with multi-objective optimization, flexible adjustment of energy efficiency, load balance and equipment safety.



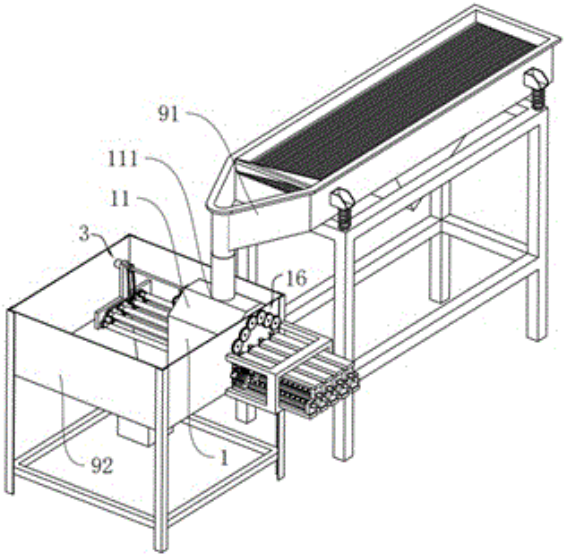
21: 2025/10953. 22: 2025/12/18. 43: 2026/01/22
51: E21D
71: CHINA RAILWAY NO.9 GROUP CO., LTD.
72: Yan Gao, Jia Zhao, Zhi Li, Zitao Yin, Baozuo Liu, Zhi Zheng, Junhou Wang, Yongfeng Wang, Shuyi Zhao, Zhishun Zhou, Chaochao Ge, Dongyu Chen, Yirui Zhang, Xiaofan Lu, Chao Shi
33: CN 31: CN202310769207.4 32: 2023-06-28
54: STRIP MINING EQUIPMENT
00: -

Strip mining equipment, including a main machine chassis, as well as a cab and a travel mechanism mounted on the main machine chassis; the strip mining equipment further comprised a strip mining device; the strip mining device includes a drive frame, a plate chain, an adjustment mechanism, and two cutting drums. The plate chain is located between the two cutting drums, and the two cutting drums and the plate chain can be rotatably installed on the drive frame. By configuring the plate chain, the adjustment mechanism, and the two cutting drums as working together, when rock is strip mined, it can be guaranteed that the plate chain firstly strip mines before the cutting drums; and after the plate chain finishes strip mining, the cutting drums are positioned where the plate chain has already performed strip mining, and the two cutting drums perform cutting at the two sides of the cutting position of the plate chain. The problem of possible interference between the strip mining of the middle plate chain and the strip mining of the drums at the two ends is prevented, and rock at the two sides of the plate chain can be normally strip mined.



21: 2025/11164. 22: 2025/12/23. 43: 2026/01/20
51: B03C
71: KING-TECH CHINA CO., LTD
72: PAN, WENQIANG, TONG, XIANTAO, LI, SHUN, TIAN, QIMENG, ZHANG, XIJUN
33: CN 31: 202510220251.9 32: 2025-02-27
54: A MAGNETIC SEPARATION AND IMPURITY REMOVAL APPARATUS FOR OXYGEN-ABSORBING MASTERBATCH PRODUCTION
00: -

The present application relates to a magnetic separation and impurity removal apparatus for oxygen-absorbing masterbatch production, belonging to the technical field of magnetic separation and impurity removal. The apparatus includes an impurity removal box, a plurality of rotating shafts are rotatably arranged, with both ends of each rotating shaft extending through the box wall. All rotating shafts are collectively driven by a drive assembly, and each rotating shaft is sleeved with a magnetic sleeve roller that is slidably connected thereto. The magnetic sleeve roller is divided into a working section and a standby section. On the side of the impurity removal box away from the drive assembly, a plurality of scraping assemblies are arranged, each in one-to-one correspondence with a magnetic sleeve roller. An electromagnetic clutch is connected to an end of the magnetic sleeve roller away from the drive assembly, and the electromagnetic clutch is coupled to a reciprocating screw rod which, in turn, is connected to a nut seat fixedly arranged relative to the impurity removal box. The present application realizes continuous cleaning of the magnetic sleeve rollers without production downtime, achieves efficient impurity removal, and optimizes the spatial layout to improve cleaning efficiency.

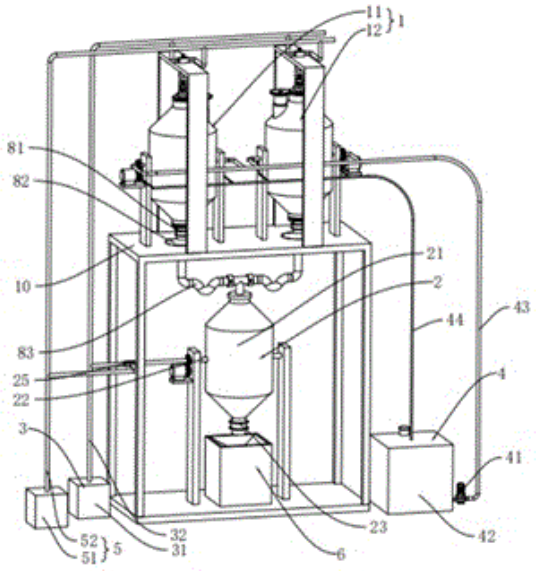


21: 2025/11165. 22: 2025/12/23. 43: 2026/01/20
51: F26B; B65B; B01F
71: KING-TECH CHINA CO., LTD
72: PAN, WENQIANG, TONG, XIANTAO, KONG, XIAOYIN
33: CN 31: 202510200053.6 32: 2025-02-24

54: INTEGRATED SYSTEM FOR DRYING, MIXING, AND VACUUM PACKAGING OF STERILIZING OXYGEN ABSORBER

00: -

This application relates to an integrated system for drying, mixing, and vacuum packaging of a sterilizing oxygen absorber, and relates to the field of oxygen-absorbing masterbatch production technologies, including two drying machines, a mixing machine, a vacuum generation system, an oil bath circulation system, and a nitrogen supply system. The two drying machines are classified into a first drying machine and a second drying machine. Each of the drying machines includes a cylinder, a swing drive mechanism, and two swing shafts. The cylinder includes an inner shell and an outer shell. A heating cavity is formed between the inner shell and the outer shell. The swing shafts are each provided with an oil inlet channel and an oil return channel. The outer shell is provided with a guide member inside the heating cavity. A heating channel for flow of medium oil is formed among the guide member, the inner shell, and the outer shell. The heating channel forms a flow reversal section at the bottom of the inner shell. The medium oil is capable of flowing along the heating channel and the flow reversal section into the oil return channel. In this application, the medium oil flows from bottom to top, effectively preventing accumulation of low-temperature, high-density medium oil at the bottom of the cylinder. This results in more uniform drying of the material by the medium oil and improves production efficiency of the oxygen absorber.



21: 2026/00310. 22: 2026/01/08. 43: 2026/03/16
51: C12N
71: SHANDONG OX LIVESTOCK BREEDING CO., LTD.
72: ZHANG, Yan, MA, Qingtao, WANG, Lingling, GAO, Yundong
33: CN 31: 2025109426347 32: 2025-07-09

54: THAWING SOLUTION FOR BOVINE VITRIFIED FROZEN IN VITRO EMBRYO AND USE METHOD THEREOF

00: -

The present invention belongs to the fields of embryo biotechnology and embryo transfer technology, and particularly relates to a thawing solution for bovine vitrified frozen in vitro embryos and a use method thereof. The thawing solution comprises the following components: 340–515 g/L trehalose, 0.2–0.3 g/L hyaluronic acid, 6–10 g/L sodium chloride, 0.1–0.3 g/L potassium chloride, 0.05–0.15 g/L magnesium chloride, 0.2–0.35 g/L disodium hydrogen phosphate, 0.1–0.3 g/L potassium dihydrogen phosphate, 0.5–1.5 g/L glucose, 0.03–0.04 g/L sodium pyruvate, 0.05–0.15 g/L calcium chloride, and 45–55 g/L bovine serum albumin. The present invention can significantly

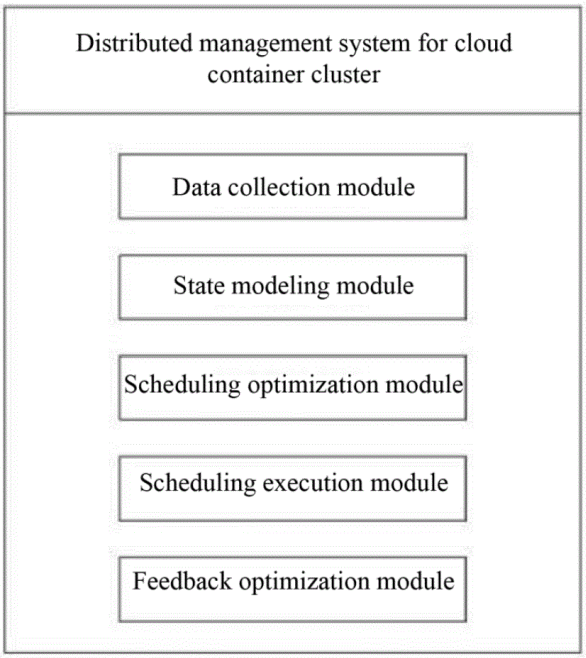
shorten embryo thawing time without adversely affecting thawing and transfer outcomes, thereby improving embryo thawing efficiency with a simple operating procedure and facilitating the popularization and large-scale application of embryo transfer technology.

21: 2026/00414. 22: 2026/01/12. 43: 2026/03/16
51: H04L
71: BEIJING HANXINSHENG TECHNOLOGY CO., LTD.
72: ZHANG, Zhijie, LIU, Jia, ZHAO, Shuai, YANG, Fan
33: CN 31: 202510207167.3 32: 2025-02-25

54: DISTRIBUTED MANAGEMENT SYSTEM AND METHOD FOR CLOUD CONTAINER CLUSTER

00: -

The present invention relates to the technical field of cloud computing, and discloses a distributed management system and method for a cloud container cluster. The system includes: a data collection module configured to collect a remaining resource amount of each node in the cloud container cluster and resource demands of tenants, and provide support for real-time data update; a state modeling module configured to establish, based on resource data collected by the data collection module, a state variable model describing dynamic changes of tenant resources, wherein state variables include a resource occupancy amount, a resource request amount and a resource release rate of a tenant; and a scheduling optimization module configured to generate a resource allocation strategy based on dynamic change characteristics of the tenant resources and multi-tenant competition relationships. In the present invention, through a modularly designed system architecture including data collection, state modeling and scheduling optimization, dynamic collection frequency and resource dynamic change modeling are introduced to improve the real-time performance of data collection and the accuracy of resource allocation, thereby solving the problems of a low resource utilization rate and slow scheduling response in the prior art.



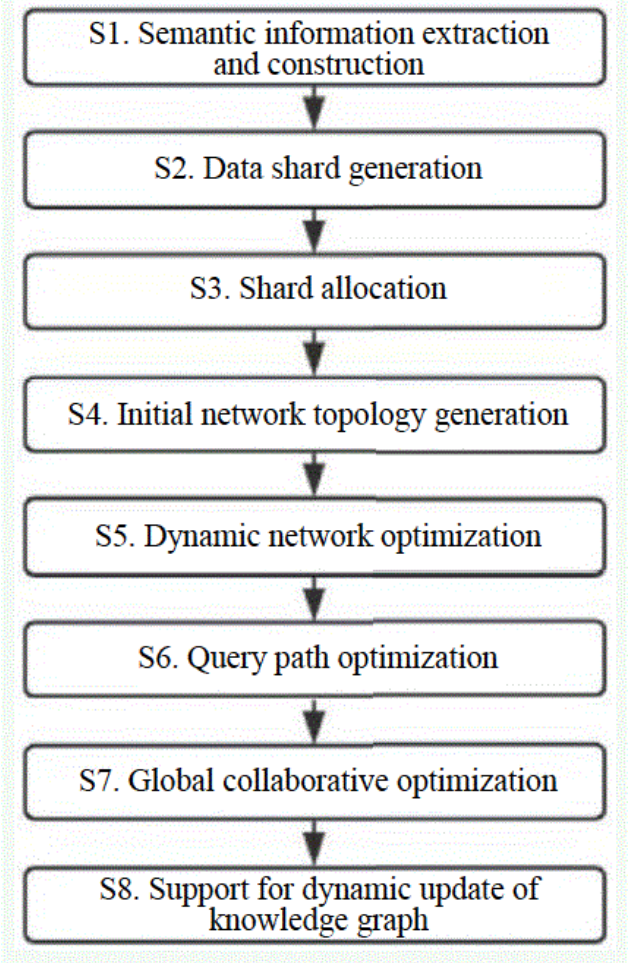
21: 2026/00415. 22: 2026/01/12. 43: 2026/03/16
51: G06F
71: BEIJING HANXINSHENG TECHNOLOGY CO., LTD.
72: YANG, Fan, ZHANG, Zhijie, ZHAO, Shuai
33: CN 31: 202510423344.1 32: 2025-04-07

54: METHOD FOR GENERATING DISTRIBUTED DATA STORAGE NETWORK BASED ON KNOWLEDGE GRAPH

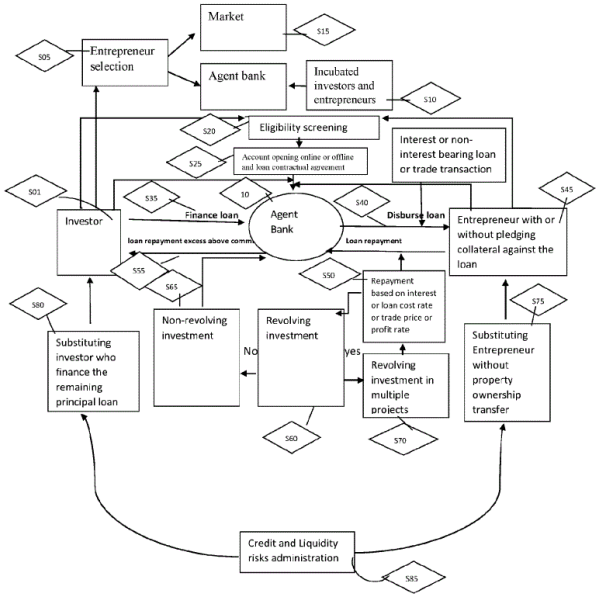
00: -

The present invention relates to the technical field of distributed storage, and discloses a method for generating a distributed data storage network based on a knowledge graph. The method includes the following steps: S1. extracting entities and semantic relationships therebetween from the knowledge graph and constructing a semantic similarity matrix; S2. performing weighted graph construction based on the semantic similarity matrix, and generating distributed data shards by using a graph partitioning algorithm; S3. allocating the generated data shards to storage nodes; S4. generating an initial network topology according to semantic relevance between the data shards; S5. dynamically monitoring a storage system state and optimizing the network topology; S6. optimizing query paths based on semantic paths of the knowledge graph; and S7. performing global optimization on data distribution, the network topology and query efficiency through a collaborative optimization framework. According to

the present invention, storage resource utilization, data transmission efficiency and query performance of the system are improved by means of dynamic shard adjustment, network topology optimization and semantics-driven query path planning.

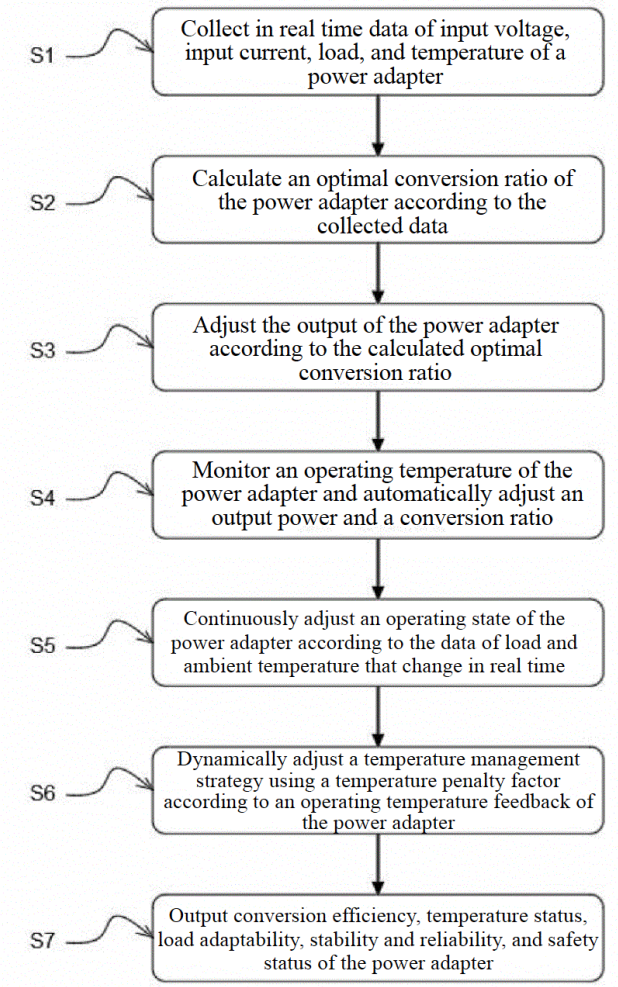


21: 2026/00484. 22: 2026/01/13. 43: 2026/03/16
51: G06Q
71: TESSEMA, Ameha, Tefera
72: TESSEMA, Ameha, Tefera
33: US 31: 18/601,336 32: 2024-03-11
54: COMMISSION AGENT BANKING SYSTEM (CABS-AT)
00: -
A method, system and product program for a Commission agent banking system (CABSAT) to be adopted by a bank to be an agent or to be deployed in a full-fledged bank to be an agent for investors or depositor's revolving or non-revolving lending money, which can be physical or digital money, through online or offline banking to entrepreneurs/borrowers or on projects already financed by bank having established loan contractual agreement among the fund sellers/investors and fund buyers/entrepreneurs/borrowers and the agent bank (CABS-AT) itself to collect an agreed commission on loan price.



21: 2026/00569. 22: 2026/01/15. 43: 2026/03/16
51: H02M
71: Shenzhen Keyu Power Supply Technology Co., Ltd.
72: CHEN, Junting, WANG, Zhi, LI, Xiangqian
33: CN 31: 202510497192.X 32: 2025-04-21
54: HIGH-EFFICIENCY POWER CONVERSION CONTROL METHOD AND POWER ADAPTER
00: -
The present application relates to the technical field of electronic devices, and discloses a high-efficiency power conversion control method and a power adapter. The high-efficiency power conversion control method includes the following steps: collecting in real time data of input voltage, input current, load, and temperature of a power adapter; calculating an optimal conversion ratio of the power adapter according to the collected data; and adjusting the output of the power adapter according to the calculated optimal conversion ratio. The present application further provides a high-efficiency power adapter, including: a signal detection module configured to collect in real time the input voltage, input current, output voltage, output current, load, and temperature of the power adapter. In the

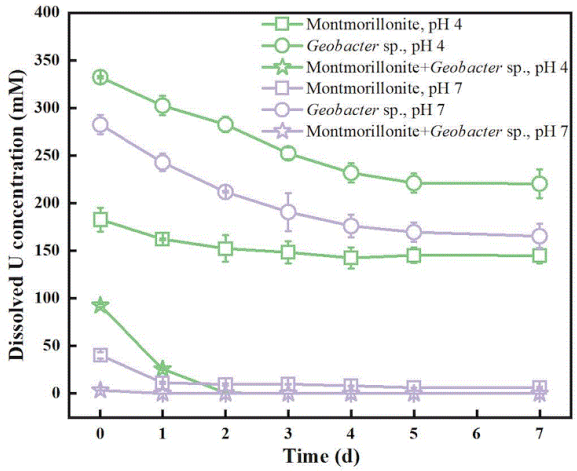
present application, by dynamically calculating the optimal conversion ratio, the conversion efficiency of the power adapter is maximized under different load and ambient temperature conditions, thereby avoiding limitations of relying only on a static conversion ratio in traditional methods, and solving a problem of efficiency reduction caused by load and temperature fluctuations.



21: 2026/00629. 22: 2026/01/16. 43: 2026/02/25
51: B01D; C01B
71: MOSTERT, Orlando Louis
72: MOSTERT, Orlando Louis
33: ZA 31: 2025/08798 32: 2025-10-20
54: TREATMENT OF FLUE GAS POLLUTANTS
00: -
This invention relates to a process for the removal of one or more pollutants from gas emissions and generation of one or more value products including nitric acid (HNO3), sulfuric acid (H2SO4), hydrochloric acid (HCl), elemental sulfur (S), mercuric species such as mercury chloride (HgCl) or mercuric ions (Hg2+), mercury(II) nitrate, hydrogen gas (H2), sodium hydroxide (NaOH) or any combination of these, wherein the one or more pollutants comprise hydrogen sulfide, sulfuric oxides including sulfur dioxide (SO2), nitrogen oxides including nitric oxide (NO) and nitrogen dioxide (NO2), and mercuric compounds including elemental mercury (Hg0) on site at a power generation facility. The invention extends to downstream uses of the one or more value products generated and recovered in other processes in which the one or more value products are useful.

21: 2026/00825. 22: 2026/01/21. 43: 2026/01/28
51: B09C
71: Beijing Research Institute of Chemical Engineering and Metallurgy
72: Qingyin XIA, Xuebin SU, Yuqing NIU, Ziyang WANG, Hui LIU, Xiumin JIA, Liuyin SHI, Jiahong SUN
33: CN 31: 202510126117.2 32: 2025-01-27
54: METHOD FOR IN-SITU REMEDIATION OF URANIUM CONTAMINATION
00: -
The invention discloses an in-situ remediation method for uranium contamination. The method comprises the following steps: preparing a microbial suspension, wherein the microbial strain is selected from one or more of Brucella sp., Geobacter sp., Clostridium sp., or Shewanella ap., with a concentration of 1×106-1×109 CFU/mL; preparing a clay suspension, wherein the clay mineral is selected from one or more of kaolinite, montmorillonite, illite, beidellite, chlorite, sepiolite, glauconite, or talc, with a concentration of 0.01-10 g/L; simultaneously introducing the microbial suspension and clay suspension into uranium-contaminated water. Through clay mineral-microorganism interactions, uranium is promoted to be intercalated into clay interlayers and undergo reductive immobilization, thereby fixing uranium within the clay structure and isolating it from the external environment, thus achieving effective and stable uranium immobilization. The invention overcomes the shortcomings of existing technologies by providing a method capable of achieving efficient uranium immobilization and long-

term stability under variable environmental conditions.

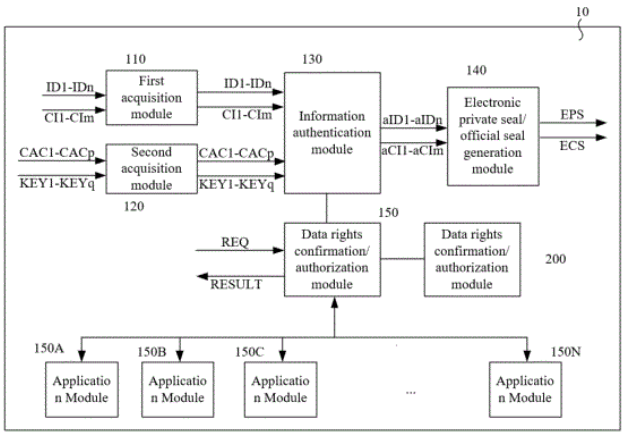


21: 2026/01676. 22: 2026/02/09. 43: 2026/02/17
51: H04L
71: Jinqian HU
72: Jinqian HU, Ai GUO, Xinyi CAI
33: CN 31: 202311239462.4 32: 2023-09-22

54: ELECTRONIC SEAL SYSTEM FOR ACCESSING DIGITAL MAILBOX, AND METHOD FOR ACCESSING DIGITAL MAILBOX

00: -

The invention discloses an electronic seal system for accessing a digital mailbox, including: a first acquisition module acquiring multiple identity information and enterprise information of a user; a second acquisition module acquiring multiple CA certificates and corresponding keys provided by multiple certificate authorities; an information authentication module performing physical or digital authentication on the identity and enterprise information based on the CA certificates, and generating authenticated identity and enterprise information; an electronic private/official seal generation module generating an electronic private seal and an electronic official seal of the user based on the authenticated information; application modules for enabling application functions; and a digital mailbox linking module linking the seal generation module and the application modules after the user logs into a digital mailbox.

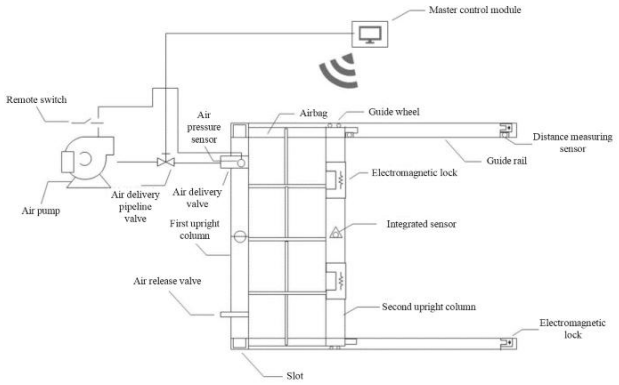


21: 2026/01682. 22: 2026/02/09. 43: 2026/02/17
51: E21F
71: GUANGXI HUAXI GROUP CO., LTD, Central South University, Guangxi Fozi Mining Co., Ltd, LIUZHOU HUAXI NONFERROUS DESIGN AND RESEARCH INSTITUTE CO., LTD
72: YANG Chun, LI Luxin, DENG Jianming, LIU Wei, CHEN Zhiqing, CHENG Linqing
33: CN 31: 202510277836.4 32: 2025-03-10

54: AIRFLOW ADJUSTMENT DEVICE AND METHOD FOR MINE ROADWAY

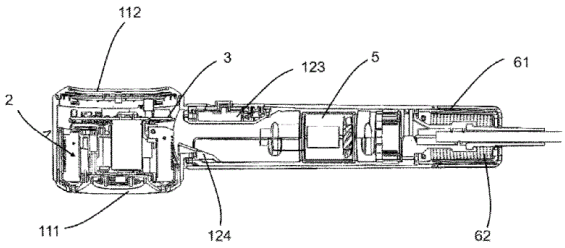
00: -

Provided in the present application are an airflow adjustment device and method for a mine roadway. The device comprises: an airbag module, an inflation module, a fixing module, a main control module and a sensor module, wherein the airbag module is formed by means of joining a plurality of airbags; the inflation module is used for inflating and deflating the airbags; the fixing module comprises a first column, a second column, an upper guide rail, a lower guide rail and guide wheels; the left and right sides of the airbag module are respectively fixed to the first column and the second column to form an air door; the upper and lower sides of the airbag module are respectively fixed to the upper guide rail and the lower guide rail; the upper and lower ends of the first column are fixed to the left sides of the guide rails; and the guide wheels are mounted at both the upper and lower ends of the second column, such that the second column can be driven to move left and right along the guide rails, thereby driving the air door to open or close, and thus realizing ventilation or sealing of a roadway. The device in the present application can perform ventilation regulation and effective sealing on a mine roadway.



21: 2026/01695. 22: 2026/02/09. 43: 2026/02/17
51: A45D
71: SHANGHAI FLYCO ELECTRICAL APPLIANCE CO., LTD.
72: LI GAITENG
33: CN 31: CN202311081019.9 32: 2023-08-25
33: CN 31: CN202411160348.7 32: 2024-08-22
54: HAIR DRYER
00: -

The present invention relates to the field of hair dryers, and provides a hair dryer. The hair dryer comprises a main body housing; the main body housing comprises a first housing and an inner handle housing; the first housing has a first central axis, and two axial ends of the first housing are respectively a wind outlet end and a wind blocking end; the distance between the wind outlet end and the wind blocking end is less than a preset distance; the inner handle housing is connected to the axial middle of the first housing; the inner handle housing has a second central axis; and the first central axis and the second central axis form a preset angle. According to the hair dryer of the present invention, the distance between two axial ends of the first housing is less than a preset distance, such that the main body housing of the hair dryer can satisfy the design requirements of small axial length and small size, thereby achieving good use experience.



21: 2026/01714. 22: 2026/02/10. 43: 2026/02/17
51: G06Q
71: ZHONGJIA JINCHENG (BEIJING) TECHNOLOGY CO., LTD.
72: WANG, Jinfeng, KE, Hongsheng, SUN, Chenglong
33: CN 31: 202510184981.8 32: 2025-02-19
54: METHOD AND DEVICE FOR PLANNING CONFIGURATION OF AIRPORT CHECK-IN AND BAGGAGE DROP-OFF COUNTERS
00: -

The present application relates to the field of airport management and air services, and discloses a method and device for planning configuration of airport check-in and baggage drop-off counters. The method comprises the following steps: S1: collecting real-time or historical data to obtain parameters including passenger arrival rate, counter service rate, and system constraints; S2: based on the collected data, constructing a queuing theory model, and performing a preliminary evaluation on the configuration of check-in counters through an M/M/c queuing model; and S3: utilizing optimal control theory to establish an objective function and optimize a configuration scheme, so as to minimize a comprehensive objective that integrates queuing time, passenger waiting time, and resource configuration cost. The present invention adopts a dynamic counter configuration scheme based on a real-time data collection and feedback mechanism, achieves a technical effect of dynamically adjusting the number of counters during peak periods, thereby effectively avoiding the problem of excessive passenger queuing in peak periods and reducing resource waste during off-peak periods.

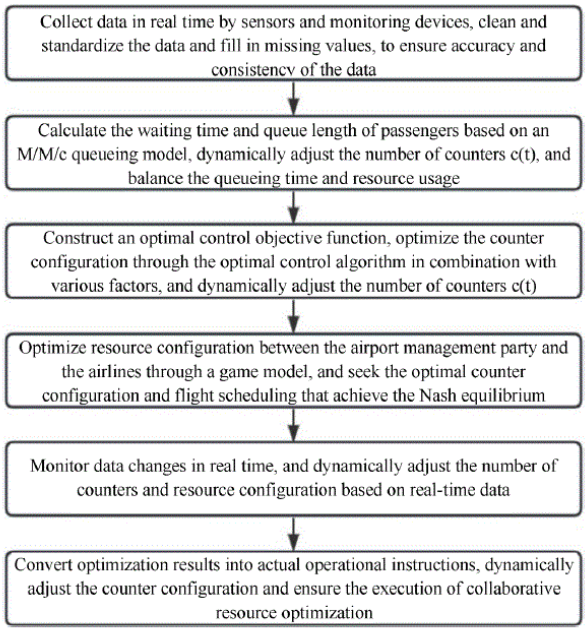
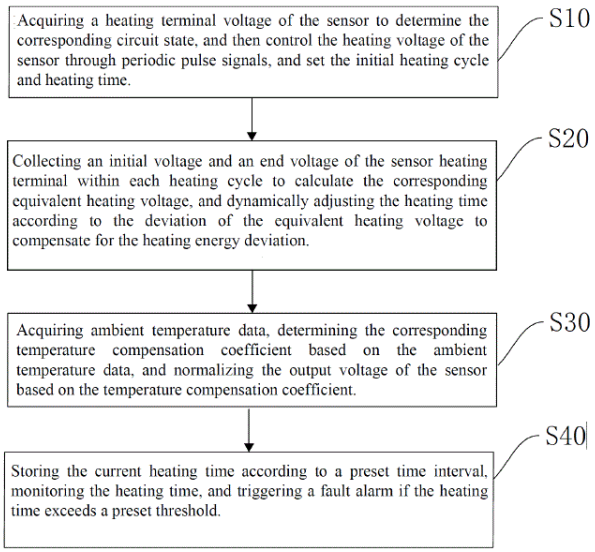


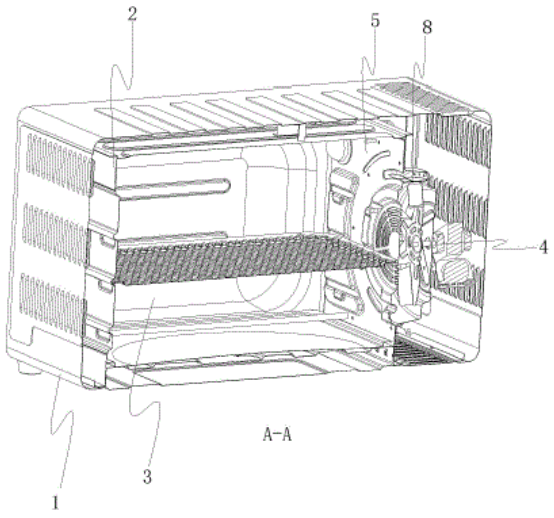
FIG. 1

21: 2026/01774. 22: 2026/02/11. 43: 2026/02/17
51: G01N; G08B
71: JINAN BENAN TECHNOLOGY DEVELOPMENT CO., LTD.
72: YU, Lezhong, QI, Yunjiang, LI, Yanchen
33: CN 31: 202510413481.7 32: 2025-04-03
54: DYNAMIC COMPENSATION METHOD, APPARATUS, DEVICE AND MEDIUM FOR SEMICONDUCTOR GAS SENSOR
00: -
The present application relates to a dynamic compensation method, apparatus, device, and medium for a semiconductor gas sensor. The method comprises acquiring a heating terminal voltage of the sensor to determine a corresponding circuit state, and then controlling the heating voltage of the sensor by a periodic pulse signal, and setting an initial heating cycle and heating time; collecting an initial voltage and an end voltage of the sensor heating terminal within each heating cycle to calculate the corresponding equivalent heating voltage, and dynamically adjusting the heating time according to the deviation of the equivalent heating voltage to compensate for the heating energy deviation; acquiring ambient temperature data, determining the corresponding temperature compensation coefficient based on the ambient temperature data, and normalizing the output voltage of the sensor based on the temperature compensation coefficient; and storing the current heating time according to a preset time interval, monitoring the heating time, and triggering a fault alarm if the heating time exceeds a preset threshold.. The present application improves sensor performance.



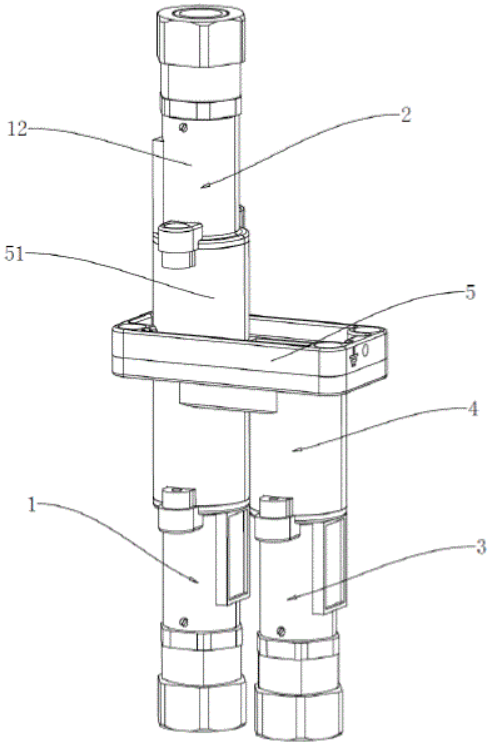
21: 2026/01778. 22: 2026/02/11. 43: 2026/02/17
51: A47J
71: Zhongshan Guanglong Gas & Electrical Appliances Co., Ltd
72: XU, Zhaoru, LIANG, Guangrong
33: CN 31: 202520410663.4 32: 2025-03-11
54: AIRFLOW GUIDING MECHANISM FOR COOKING CHAMBER OF ELECTRIC OVEN AND ELECTRIC OVEN
00: -
The present application provides an airflow guiding mechanism for a cooking chamber of an electric oven and an electric oven. The mechanism includes an outer shell and an inner shell, with an interior of the inner shell forming a cooking chamber. The inner shell includes a hot-air side plate located on one side thereof and connected with a thermal circulation assembly. A central portion of the hot-air side plate is formed with an air intake mesh. A plurality of air outlet holes are formed on a periphery of the air intake mesh. The air intake mesh and the plurality of air outlet holes are configured to realize heated airflow circulation. At least one airflow guiding device is provided between the thermal circulation assembly and the hot-air side plate. The airflow guiding device is located at an opening of the air

outlet holes. By arranging the air intake mesh in the central portion of the hot-air side plate of the inner shell, providing the plurality of air outlet holes on the periphery thereof, and disposing the airflow guiding device capable of constraining the heated airflow to flow in a substantially horizontal direction between the thermal circulation assembly and the hot-air side plate, uniform heat distribution within the cooking chamber is achieved. This avoids the localized high-temperature problem caused by uneven airflow distribution in traditional electric ovens, protects the internal structure of the oven, extends the service life of the equipment, and also improves the cooking experience.



21: 2026/02195. 22: 2026/02/24. 43: 2026/02/27
51: H01R
71: DIANGUANG EXPLOSION-PROOF TECHNOLOGY CO., LTD., ZHEJIANG XUTONG INTELLIGENT TECHNOLOGY CO., LTD.
72: HE, Chengfeng, CHEN, Shuozhi, LI, Yongyu, ZHAO, Qiang, WANG, Wei, XIA, Xiaokai, SUN, Yang, YE, Chao, ZHANG, Jie
33: CN 31: 202510446803.8 32: 2025-04-10
54: MULTI-PATH CABLE CONNECTOR
00: -

The present application relates to a multi-path cable connector, including a socket module, a plug module, an adjustable module, and a connection module, wherein the socket module, the plug module and the adjustable module are all configured to be electrically connected with a cable and are all in plug-in mating and electrically connected with the connection module. By disposing the connection module and the adjustable module, the present application achieves cable tapping, thereby being suitable for high-current tapping. During use, a user only needs to achieve plug-in mating between each of the socket module, the plug module and the adjustable module and the connection module and does not need to perform manual tapping, which facilitates operation and improves operation safety.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

3. DESIGNS

DESIGNS

APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

. - APPLIED ON 2026/02/20 -

A2026/00167 - RHODES UNIVERSITY Class 15. BIOPRINTING BODY MODULE

F2026/00168 - RHODES UNIVERSITY Class 15. BIOPRINTING BODY MODULE

F2026/00165 - RHODES UNIVERSITY Class 15. BIOPRINTING BODY MODULE

A2026/00166 - RHODES UNIVERSITY Class 15. BIOPRINTING BODY MODULE

A2026/00164 - CHERY AUTOMOBILE CO., LTD. Class 12. AUTOMOBILES

. - APPLIED ON 2026/02/23 -

A2026/00170 - COMMERCIAL AUTO COMPONENTS SA (PTY) LTD Class 12. ADJUSTABLE STYLING BAR

A2026/00169 - Turlen Holding SA Class 10. WATCHES

. - APPLIED ON 2026/02/24 -

A2026/00171 - CHERY AUTOMOBILE CO., LTD. Class 12. AUTOMOBILES

F2026/00173 - DE VRIES, PHILIPPUS THEUNIS Class 12. HOUSING UNIT

A2026/00174 - APPLE INC. Class 3. LANYARD

A2026/00172 - DE VRIES, PHILIPPUS THEUNIS Class 12. HOUSING UNIT

. - APPLIED ON 2026/02/25 -

A2026/00181 - ALCOHOL MONITORING SYSTEMS, INC. DBA SCRAM SYSTEMS Class 10. WEARABLE CONTINUOUS ALCOHOL MONITORING DEVICE

A2026/00178 - JEMELLA GROUP LIMITED Class 28. HAIRDRYERS

A2026/00185 - Barend du Preez Class 02. DECORATIVE FORMAL BOUTONNIERE HOLDER

A2026/00175 - Colgate-Palmolive Company Class 9. CONTAINERS

A2026/00182 - ALCOHOL MONITORING SYSTEMS, INC. DBA SCRAM SYSTEMS Class 10. WEARABLE CONTINUOUS ALCOHOL MONITORING DEVICE

A2026/00183 - ALCOHOL MONITORING SYSTEMS, INC. DBA SCRAM SYSTEMS Class 10. WEARABLE CONTINUOUS ALCOHOL MONITORING DEVICE

A2026/00180 - Carl Paul Class 10. NOMAD NAV STENCIL

A2026/00176 - Colgate-Palmolive Company Class 9. CONTAINERS

F2026/00184 - Barend du Preez Class 02. MAGNETIC FASTENING DEVICE FOR FORMAL BOUTONNIERE/LAPEL/GARMENT DECORATION

A2026/00179 - JEMELLA GROUP LIMITED Class 28. CURL DIFFUSERS

A2026/00177 - Colgate-Palmolive Company Class 9. CONTAINERS

. - APPLIED ON 2026/02/26 -

A2026/00189 - APPLE INC. Class 14. EARPHONE

A2026/00188 - Stolle Machinery Company, LLC Class 9. CAN ENDS

A2026/00187 - Stolle Machinery Company, LLC Class 9. CAN ENDS

A2026/00191 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

A2026/00192 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

A2026/00186 - VILLANUEVA, Edward Jack Evans Class 21. GOLF BALL MARKING TOOLS

A2026/00190 - APPLE INC. Class 13. CASE FOR EARPHONES

. - APPLIED ON 2026/02/27 -

F2026/00210 - RSI NORTH AMERICA, INC. Class 12. MOUNTING BRACKET FOR SADDLEBAG DRAWER

A2026/00211 - RSI NORTH AMERICA, INC. Class 12. SADDLEBAG DRAWER

F2026/00214 - RSI NORTH AMERICA, INC. Class 12. SADDLEBAG DRAWER

F2026/00206 - MARUMO, Caution Kgosimang Class 12. EXTENDED CHASSIS INTEGRATED BUFFER

A2026/00195 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

F2026/00212 - NEIZANNE (PTY) LTD Class 08. DOWN-THE-HOLE DRILL BIT

A2026/00199 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00216 - NEIZANNE (PTY) LTD Class 08. DOWN-THE-HOLE DRILL BIT

A2026/00213 - NEIZANNE (PTY) LTD Class 08. DOWN-THE-HOLE DRILL BIT

A2026/00203 - PMS INTERNATIONAL GROUP PLC Class 21. DOLL

A2026/00193 - SAVERGLASS Class 09. BOTTLE

A2026/00197 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

F2026/00205 - BECKER, Gert Stephanus Class 24. MINIMAL INVASIVE SURGERY (MIS) PEDICLE SCREW

A2026/00204 - MARUMO, Caution Kgosimang Class 12. EXTENDED CHASSIS INTEGRATED BUFFER

A2026/00200 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BASE PART

A2026/00194 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00209 - RSI NORTH AMERICA, INC. Class 12. MOUNTING BRACKET FOR SADDLEBAG DRAWER

A2026/00208 - COLGATE-PALMOLIVE COMPANY Class 4. ORAL CARE IMPLEMENTS

A2026/00202 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BASE PART

A2026/00201 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BASE PART

A2026/00198 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BASE PART

A2026/00196 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00207 - COLGATE-PALMOLIVE COMPANY Class 4. ORAL CARE IMPLEMENTS

F2026/00215 - NEIZANNE (PTY) LTD Class 08. DOWN-THE-HOLE DRILL BIT

. - APPLIED ON 2026/03/03 -

A2026/00217 - NEOSIMPLIX CO., LTD Class 09. COSMETIC CONTAINER

A2026/00219 - NEOSIMPLIX CO., LTD Class 09. COSMETIC CONTAINER

A2026/00218 - NEOSIMPLIX CO., LTD Class 09. COSMETIC CONTAINER

A2026/00222 - LA MARZOCCO S.R.L. Class 31. COFFEE GRINDERS

A2026/00220 - NEOSIMPLIX CO., LTD Class 09. COSMETIC CONTAINER

A2026/00221 - LA MARZOCCO S.R.L. Class 23. TAPS

. - APPLIED ON 2026/03/04 -

F2026/00225 - Werner POTGIETER Class 25. FENCE CAP

F2026/00226 - Werner POTGIETER Class 25. FENCE CAP

A2026/00224 - Werner POTGIETER Class 25. FENCE CAP

A2026/00223 - mogomotsi Prudent Gae Class 32. CLOTHING

. - APPLIED ON 2026/03/05 -

A2026/00228 - BATHU SWAG (PTY) LIMITED Class 2. FOOTWEAR

A2026/00227 - BATHU SWAG (PTY) LIMITED Class 2. FOOTWEAR

A2026/00232 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

A2026/00231 - APPLE INC. Class 3. STAND FOR A CASE

A2026/00229 - BATHU SWAG (PTY) LIMITED Class 2. FOOTWEAR

A2026/00230 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE WITH A STAND

. - APPLIED ON 2026/03/06 -

A2026/00233 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

A2026/00234 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

. - APPLIED ON 2026/03/09 -

F2026/00236 - GRIBBON TRADING 62 t/a PROFILE MOULDING & DOORS Class 25. DOOR FRAME COMPONENT

A2026/00235 - BBF INVESTMENT HOLDINGS (PTY) LTD Class 02. METATARSAL GUARD

. - APPLIED ON 2026/03/10 -

F2026/00240 - Gideon du Toit Class 21. SWIMMING RESISTANCE PROPELLOR

F2026/00237 - BADGER EQUIPMENT (PTY) LTD Class 07. COAL BOX FOR A PORTABLE ROTISSERIE

F2026/00238 - BADGER EQUIPMENT (PTY) LTD Class 07. SUPPORT BRACKET FOR A PORTABLE ROTISSERIE MOTOR

F2026/00239 - BADGER EQUIPMENT (PTY) LTD Class 07. SPIKE ROD SET FOR A PORTABLE ROTISSERIE

. - APPLIED ON 2026/03/11 -

A2026/00241 - ZOOMLION HEAVY INDUSTRY SCIENCE AND TECHNOLOGY CO., LTD. Class 12. TRACTOR CAB

. - APPLIED ON 2026/03/12 -

A2026/00242 - RIO-CARB (PTY) LTD Class 23. WEAR-RESISTANT CONDUIT LINER

A2026/00245 - YETI COOLERS, LLC Class 3. BACKPACK

A2026/00246 - Lucy Satadi Motimele Class 05. VISUAL CONCEPT FOR TEXTILE RUG DESIGN

F2026/00243 - RIO-CARB (PTY) LTD Class 23. WEAR-RESISTANT CONDUIT LINER

A2026/00244 - LA GLOBAL SUPPLIES (PTY) LTD Class 25. BALLITO ICAR PARK DESIGN

. - APPLIED ON 2026/03/13 -

F2026/00248 - BLACKLER, Rodney Class 8. MULTI-PURPOSE TOOLS

F2026/00249 - MPACT LIMITED Class 9. BLANK FOR A CARTON

F2026/00247 - BLACKLER, Rodney Class 8. MULTI-PURPOSE TOOLS

F2026/00252 - ZAWADI SPORTS GROUP (PTY) LTD Class 02. SPORTS SHIRT

A2026/00250 - MPACT LIMITED Class 9. CARTON

A2026/00306 - Daymani Class 32. DAYMANI EMERGES FROM SOUTH AFRICA'S URBAN LANDSCAPE WITH A BOLD REINTERPRETATION OF LUXURY STREETWEAR. ROOTED IN HIP-HOP CULTURE AND YOUTH EXPRESSION, THE BRAND MERGES OVERSIZED SILHOUETTES WITH HIGH-SHINE, TEXTURED MATERIALS TO CREATE GARMENTS THAT DEMAND ATTENTION. RATHER THAN RELYING ON TRADITIONAL EMBELLISHMENT, DAYMANI TREATS LUSTRE AS A SURFACE—USING GLITTER TEXTILES, METALLIC FINISHES, AND REFLECTIVE FABRICS TO ELEVATE EVERYDAY STREETWEAR FORMS. T-SHIRTS, TRACKSUITS, HOODIES, SWEATPANTS, JORTS, AND SWEATER JERSEYS ARE DESIGNED WITH RELAXED FITS THAT BALANCE COMFORT WITH PRESENCE. DAYMANI IS LESS ABOUT EXCESS AND MORE ABOUT IMPACT. IT REFLECTS A GENERATION THAT MOVES CONFIDENTLY, EMBRACES VISIBILITY, AND UNDERSTANDS STYLE AS A FORM OF SELF-EXPRESSION. IN DOING SO, THE BRAND SIGNALS A NEW, UNAPOLOGETIC DIRECTION FOR CONTEMPORARY LUXURY STREETWEAR.

F2026/00251 - ZAWADI SPORTS GROUP (PTY) LTD Class 02. SPORTS CAP

. - APPLIED ON 2026/03/16 -

F2026/00255 - RIBEIRO, Leonardo Class 3. AN INSULATED WAIST-BAG

A2026/00253 - YETI COOLERS, LLC Class 7. INSULATING CONTAINER

A2026/00254 - YETI COOLERS, LLC Class 7. INSULATING CONTAINER

. - APPLIED ON 2026/03/17 -

A2026/00261 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00266 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

F2026/00270 - PAV Assets (Pty) Ltd Class 08. SADDLE PEG ARM 200 MM FOR A UTILITY BAR

A2026/00259 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00260 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BODY

A2026/00262 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BODY

F2026/00268 - PAV Assets (Pty) Ltd Class 08. SADDLE ARM 200 MM AND 332 MM FOR A UTILITY BAR

F2026/00271 - Neill Human Class 25. ROOF SHEET

F2026/00256 - THASASA (PTY) LTD Class 15. PORTABLE STONE DUSTER MACHINE

A2026/00265 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BODY

A2026/00267 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

A2026/00258 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00269 - PAV Assets (Pty) Ltd Class 08. SADDLE PEG ARM 200 MM FOR A UTILITY BAR

A2026/00257 - PAV Assets (Pty) Ltd Class 08. SADDLE ARMS 200 MM AND 332MM FOR A UTILITY BAR

A2026/00263 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

A2026/00264 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

. - APPLIED ON 2026/03/18 -

A2026/00272 - PAV Assets (Pty) Ltd Class 08. UTILITY BAR MOUNTING BRACKET 117 × 41 × 70, COMPRISING A WALL OR UPRIGHT-MOUNTED BASE AND AN INTEGRAL UTILITY BAR SUPPORTING CRADLE

A2026/00301 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00307 - William Hendrick Stephanus Liebenberg Class 01. BRAAI BALL

A2026/00291 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00278 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BODY

A2026/00283 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

F2026/00273 - PAV Assets (Pty) Ltd Class 08. UTILITY BAR MOUNTING BRACKET 117 × 41 × 70 FOR SECURING A UTILITY BAR TO A WALL OR UPRIGHT, THE BRACKET INCLUDING A MOUNTING BASE AND A BAR SUPPORTING CRADLE.

A2026/00280 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00288 - NEWTRAX TECHNOLOGIES INC. Class 10. SAFETY TAGS

A2026/00276 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2026/00282 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BODY

F2026/00286 - APL CARTONS (PTY) LTD Class 09. CONTAINER AND LID

F2026/00290 - NEWTRAX TECHNOLOGIES INC. Class 10. SAFETY TAGS

A2026/00292 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00294 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00298 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

F2026/00299 - DUBE, Alexander Memory Class 25. BLOCK FOR CONSTRUCTION

A2026/00302 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00304 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00293 - INTERSURGICAL AG, NASIR, Muhammad Aslam Class 24. AIRWAY DEVICE

A2026/00295 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00305 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00274 - PAV Assets (Pty) Ltd Class 08. SHELF BLADE BRACKET

A2026/00281 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

A2026/00287 - NEWTRAX TECHNOLOGIES INC. Class 13. CRADLES

A2026/00296 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00297 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00279 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE BODY

A2026/00284 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

A2026/00300 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

A2026/00303 - INTERSURGICAL AG, NASIR, Muhammed Aslam Class 24. AIRWAY DEVICE

F2026/00275 - PAV Assets (Pty) Ltd Class 08. SHELF BLADE BRACKET

A2026/00277 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

A2026/00285 - PHILIP MORRIS PRODUCTS S.A. Class 27. CONSUMABLE FOR ELECTRONIC CIGARETTES, IN PARTICULAR A POD FOR AN ELECTRONIC CIGARETTE

F2026/00289 - NEWTRAX TECHNOLOGIES INC. Class 13. CRADLES

. - APPLIED ON 2026/03/19 -

A2026/00309 - LIXIL CORPORATION Class 23. TOILET

A2026/00308 - Mortimar Clark Class 06. CHAIR

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

VOLUNTARY SURRENDER OF A DESIGN IN TERMS OF SECTION 34 REGULATION 42(4) OF THE DESIGN ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE THOSE SET OUT IN PART II. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY BE INSPECTED AND MAY BE OPPOSED.

PART II

Design No. : A2016/00166

Applicant : TYME LIMITED.

Class : 14

Article to which the Design is to be Applied: SELF-SERVICE BIOMETRIC KIOSKS

Date of Lodgment: 10/02/2016

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE THOSE SET OUT IN PART II. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY BE INSPECTED AND MAY BE OPPOSED.

PART II

Design No. : A2024/00534

Applicant : NATHI SENGCA.

Class : 15

Article to which the Design is to be Applied: SENGCA ENGINE

Date of Lodgment: 07/06/2024

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED
MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : A2025/01531

Applicant : SCHRÉDER S.A.

Class : 26

Article to which the Design is to be Applied: LUMINAIRE

Date of Lodgment: 17/12/2025

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : A2025/00853

Applicant : Huawei Technologies Co., Ltd.

Class : 14

Article to which the Design is to be Applied: ARTICLE TO DISPLAY SCREENS OR PORTIONS THEREOF WITH ANIMATED GRAPHICAL USER INTERFACES

Date of Lodgment: 18/07/2025

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : A2025/01162

Applicant : FERRARI S.P.A.

Class : 12

Article to which the Design is to be Applied: CAR

Date of Lodgment: 23/11/2025

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
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SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : A2025/01495

Applicant : PARFUMS CHRISTIAN DIOR

Class : 28

Article to which the Design is to be Applied: DEVICE FOR APPLYING COSMETICS

Date of Lodgment: 09/12/2025

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : A2026/00089

Applicant : NEIZANNE (PTY) LTD

Class : 08

Article to which the Design is to be Applied: DOWN-THE-HOLE DRILL BIT

Date of Lodgment: 30/01/2026

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
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SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : F2026/00082

Applicant : NEIZANNE (PTY) LTD

Class : 08

Article to which the Design is to be Applied: DOWN-THE-HOLE DRILL BIT

Date of Lodgment: 30/01/2026

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
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SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : F2025/01507

Applicant : KENNAMETAL S.A. (PTY) LTD

Class : 08

Article to which the Design is to be Applied: TOOLS FOR CUTTER HEADS

Date of Lodgment: 10/12/2025

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : F2025/01508

Applicant : KENNAMETAL S.A. (PTY) LTD

Class : 08

Article to which the Design is to be Applied: TOOLS FOR CUTTER HEADS

Date of Lodgment: 10/12/2025

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
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SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : A2025/01471

Applicant : UNILEVER IP HOLDINGS B.V.

Class : 19

Article to which the Design is to be Applied: LABEL

Date of Lodgment: 02/12/2025

Registrar of Designs

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS
OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED
SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO
PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART I

Design No. : A2025/01472

Applicant : UNILEVER IP HOLDINGS B.V.

Class :19

Article to which the Design is to be Applied: LABEL

Date of Lodgment: 02/12/2025

Registrar of Designs

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

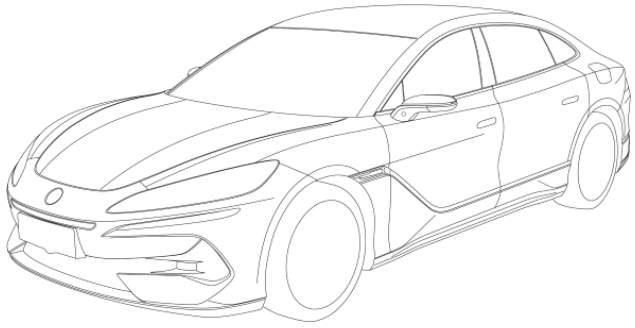
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgment. **(23)** release date (if applicable). **(43)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

N.B.: Date of registration **(43)** is either Date of lodgment **(22)** or Date of convention of application **(32)** whichever is the earlier.

Registrar of Designs

21: A2024/00661 22: 2024-07-01 23:
43: 2025-06-18
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202430016679.8 32: 2024-01-10
54: AUTOMOBILE
57: The design is to be applied to an automobile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.

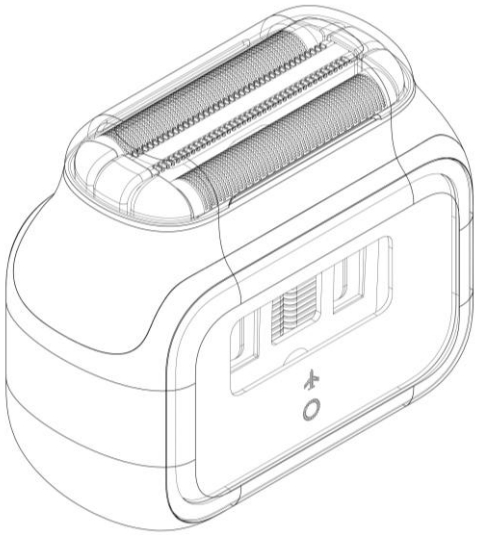


21: A2024/00781 22: 2024-08-05 23:
43: 2025-06-18
52: Class 28 24: Part A
71: SHENZHEN SHUYE TECHNOLOGY CO., LTD.

33: CN 31: 202430079546.5 32: 2024-02-05
54: ELECTRIC SHAVER
57: The design relates to an Electric shaver. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/00782 22: 2024-08-05 23:
43: 2025-03-06
52: Class 28 24: Part A
71: SHENZHEN SHUYE TECHNOLOGY CO., LTD.
33: CN 31: 202430079546.5 32: 2024-02-05
54: ELECTRIC SHAVER
57: The design relates to an Electric shaver. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.

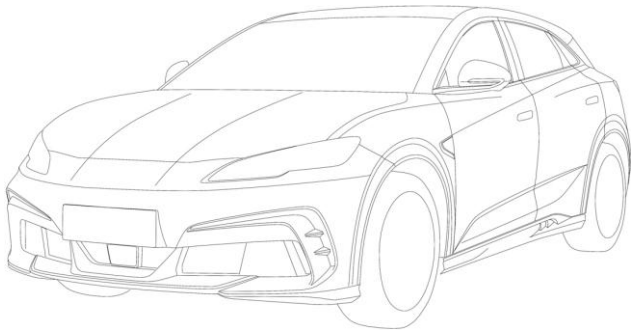


21: A2024/01011 22: 2024-10-04 23:
43: 2024-11-08
52: Class 19 24: Part A
71: XINFENG SHAN
54: CORNER ROUNDER PUNCH
57: The design is to be applied to a corner rounder punch. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.

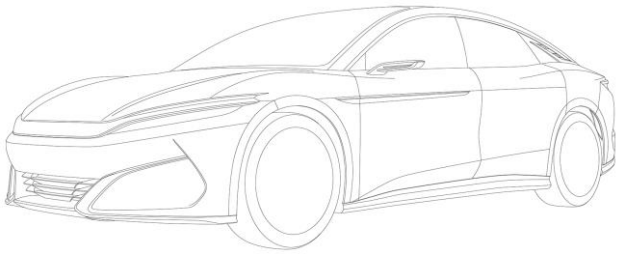


21: A2024/01042 22: 2024-10-10 23:
43: 2025-05-16
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202430219631.7 32: 2024-04-18
54: AUTOMOBILE

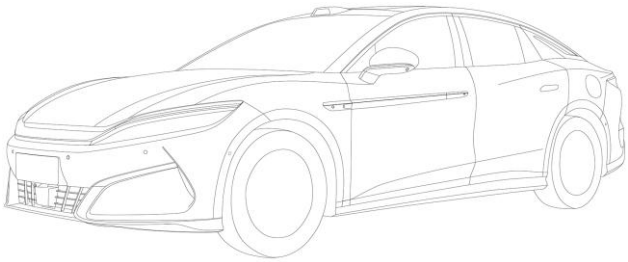
57: The design is to be applied to an automobile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/01115 22: 2024-10-28 23:
43: 2025-05-16
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202430256117.0 32: 2024-04-30
54: AUTOMOBILE
57: The design is to be applied to an automobile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/01122 22: 2024-10-30 23:
43: 2025-05-16
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202430256117.0 32: 2024-04-30
54: AUTOMOBILE
57: The design is to be applied to an automobile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/01389 22: 2024-12-23 23:
43: 2024-07-02
52: Class 4 24: Part A
71: Colgate-Palmolive Company
33: US 31: 29/950,395 32: 2024-07-02
54: PERSONAL CARE IMPLEMENTS
57: The design is for a personal care implement in the form of an electric toothbrush, in particular a handle for the personal care implement. The handle comprises a substantially cylindrical body which tapers in the direction of a neck of the personal care implement and has a circular bottom end when the person care implement is viewed in the upright position. A vertically arranged obround-shaped button is provided on a front face of the body at an upper portion thereof and partly extends to the sides of the body. An upwardly curved rib is disposed above a lower wall of the button.

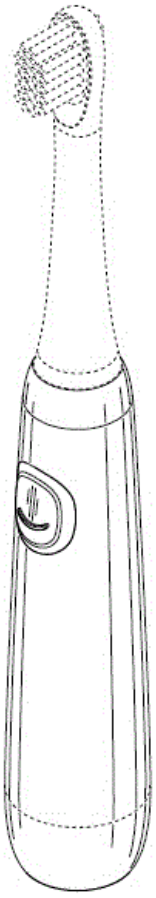


Figure 1

Three-dimensional view

21: A2024/01390 22: 2024-12-23 23:
43: 2024-07-02
52: Class 4 24: Part A
71: Colgate-Palmolive Company
33: US 31: 29/950,395 32: 2024-07-02
54: PERSONAL CARE IMPLEMENTS
57: The design is for a personal care implement in the form of an electric toothbrush, in particular a handle for the personal care implement. The handle comprises a ring-shaped body arranged below a neck of the personal care implement. The ring-shaped member defines a plurality of circumferentially spaced obround-shaped formations.

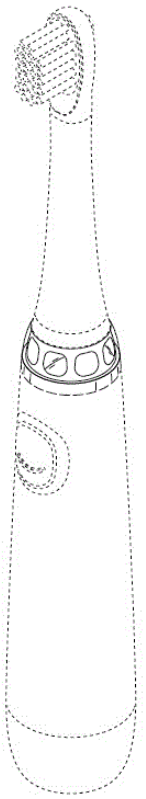


Figure 1

Three-dimensional view

21: A2024/01391 22: 2024-12-23 23:
43: 2024-07-02
52: Class 28 24: Part A
71: Colgate-Palmolive Company
33: US 31: 29/950,395 32: 2024-07-02
54: PERSONAL CARE IMPLEMENTS
57: The design is for a personal care implement in the form of an electric toothbrush, in particular a handle for the personal care implement. The handle comprises a substantially cylindrical body which tapers in the direction of a neck of the personal care implement and has a circular bottom end when the person care implement is viewed in the upright position. A vertically arranged obround-shaped button is provided on a front face of the body at an upper portion thereof and partly extends to the sides of the body. An upwardly curved rib is disposed above a lower wall of the button.

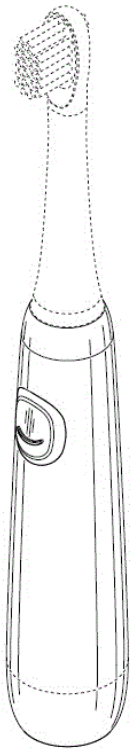


Figure 1

Three-dimensional view

21: A2024/01392 22: 2024-12-23 23:
43: 2026-01-19
52: Class 28 24: Part A
71: Colgate-Palmolive Company
33: US 31: 29/950,395 32: 2024-07-02
54: PERSONAL CARE IMPLEMENTS
57: The design is for a personal care implement in the form of an electric toothbrush, in particular a handle for the personal care implement. The handle comprises a ring-shaped body arranged below a neck of the personal care implement. The ring-shaped member defines a plurality of circumferentially spaced obround-shaped formations.

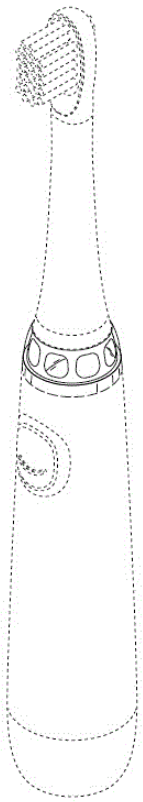


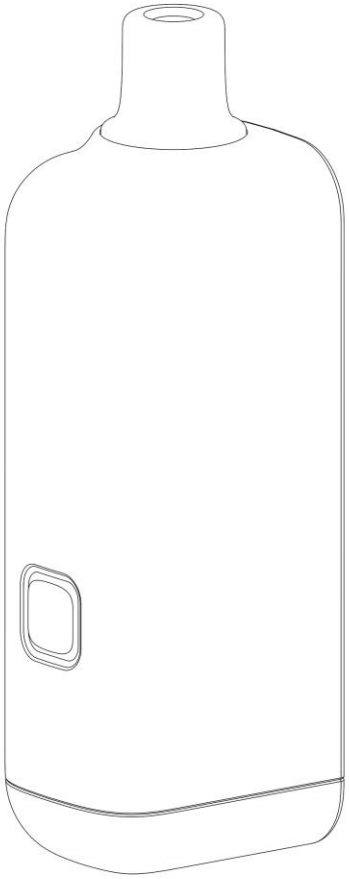
Figure 1

Three-dimensional view

21: A2025/00164 22: 2025-02-10 23:
43: 2026-03-04
52: Class 10 24: Part A
71: El MAHJOUB BADER ANISSA
33: WO 31: 158559 32: 2025-01-23
54: WATCH CASE
57: The design is for a watch case. The watch case is square, with outwardly curved sides and rounded edges. The watch case has a round face where the time can be read and a knob on the side. The watch case also includes lugs extending from the watch case, where it can be attached to watch straps or bands.



21: A2025/00511 22: 2025-05-13 23:
43: 2025-12-11
52: Class 27 24: Part A
71: HG Innovation Limited
33: CN 31: 202430742626.4 32: 2024-11-22
54: ELECTRONIC CIGARETTES
57: The design relates to an electronic cigarettes. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2025/00590 22: 2025-05-23 23:
43: 2025-01-06
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00633 22: 2025-06-04 23:
43: 2024-12-07
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2024307783793 32: 2024-12-07
54: AUTOMOBILES
57: The design is for a vehicle in the form of a Sport Utility Vehicle (SUV). The front section of the vehicle is equipped with dual elongated headlight units positioned on both sides. An oval-shaped grille incorporates a central badge, with its mesh pattern radiating outward from the centre toward a periphery resembling a web-like configuration. A side profile features a distinctive ascending character line extending from front doors to rear doors. A rear aspect of the vehicle is characterised by a continuous full-width taillight that spans a tailgate horizontally, seamlessly connecting both sides of the body.



Figure 1

First three-dimensional view

21: A2025/00634 22: 2025-06-04 23:
43: 2024-12-05
52: Class 23 24: Part A
71: Henkel AG & Co. KGaA
33: EM(DE) 31: 015084168-0008 32: 2024-12-05
54: TOILET CLEANING PRODUCTS
57: The design is for a toilet cleaning product. The product has an elongate body with a flat base and comprises of a linear arrangement of four connected circular elements. The circular elements are connected such that each has a rounded top with intervening valleys separating the individual rounded tops.

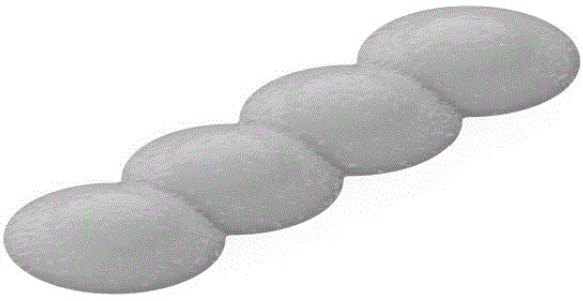
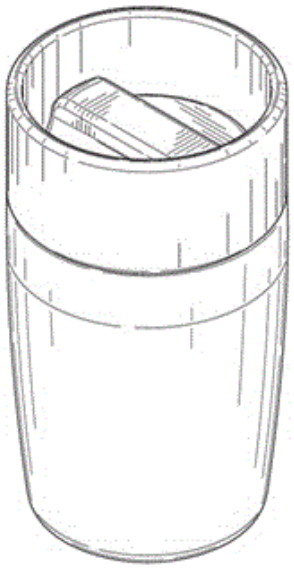


Figure 1

Three-dimensional view

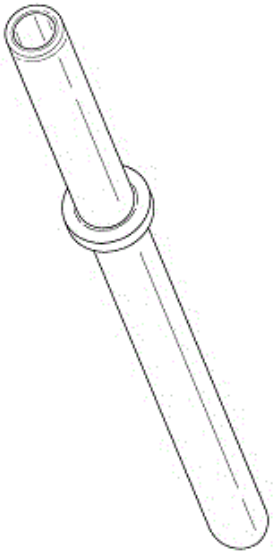
21: A2025/00635 22: 2025-06-04 23:

43: 2026-01-20
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/977,160 32: 2024-12-05
54: Tumbler
57: The design relates to a tumbler. The features of the design are those of shape and/or configuration.



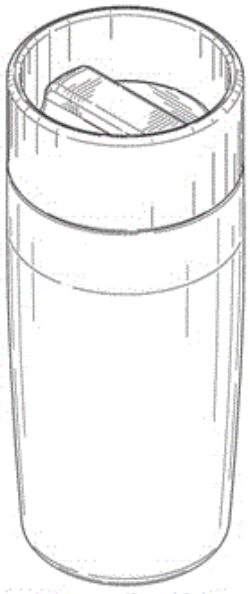
Top perspective view

21: A2025/00636 22: 2025-06-04 23:
43: 2026-01-20
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/980,673 32: 2024-12-26
54: Straw
57: The design relates to a straw. The features of the design are those of shape and/or configuration.



Top Perspective View

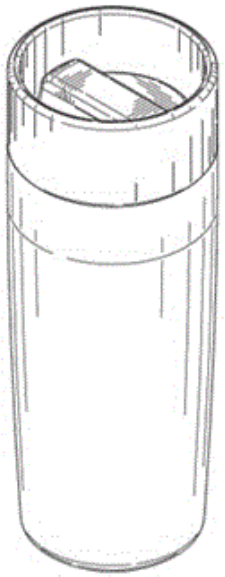
21: A2025/00637 22: 2025-06-04 23:
43: 2026-01-20
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/977,160 32: 2024-12-05
54: Tumbler
57: The design relates to a tumbler. The features of the design are those of shape and/or configuration.



Top perspective view

21: A2025/00638 22: 2025-06-04 23:
43: 2026-01-20
52: Class 7. 24: Part A
71: YETI COOLERS, LLC

33: US 31: 29/977,160 32: 2024-12-05
54: Tumbler
57: The design relates to a tumbler. The features of the design are those of shape and/or configuration.



Top perspective view

21: A2025/00645 22: 2025-06-05 23:
43: 2026-01-19
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776619.6 32: 2024-12-06
54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES
57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen and a single icon at the top left. A rectangular window materialises slightly right of centre and grows until it occupies most of the screen, while another icon materialises at a right side of, but separately from, the band.

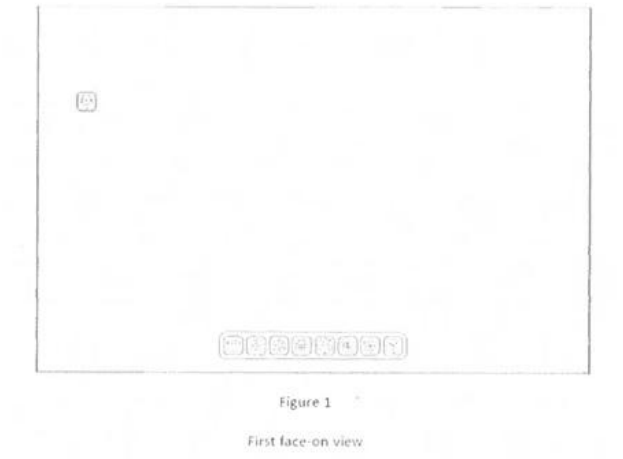


Figure 1

First face-on view

21: A2025/00646 22: 2025-06-05 23:
43: 2026-01-19
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776619.6 32: 2024-12-06
54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES
57: The design is for a screen with a user interface (UI). The UI comprises two band of icons at a bottom centre of the screen and a single icon at the top left. A rectangular window materialises slightly right of centre and grows until it occupies most of the screen, while another icon materialises at a right side of a right band.

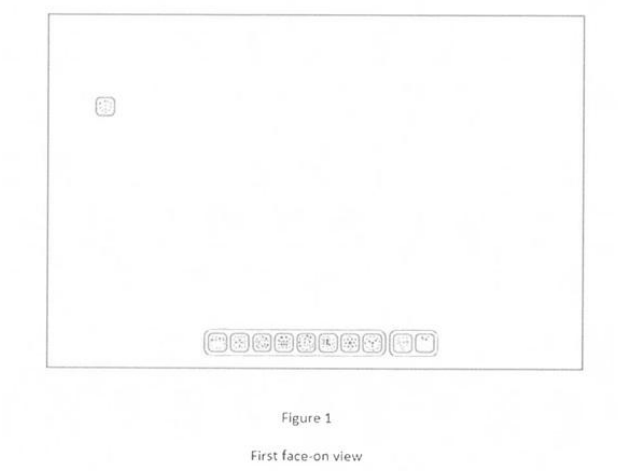


Figure 1

First face-on view

21: A2025/00647 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776619.6 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band at a bottom centre of the screen. The band divides to form a small second band on a right of the initial band.

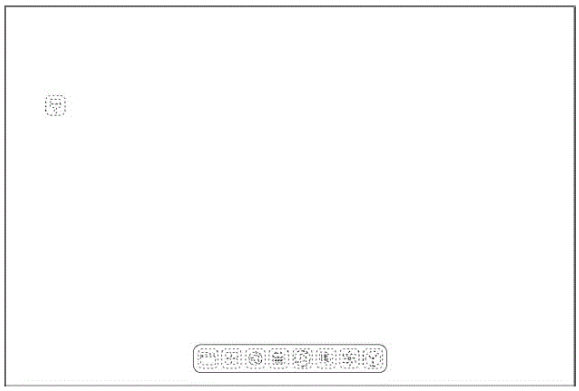


Figure 1

First face-on view

21: A2025/00648 22: 2025-06-05 23:
43: 2026-01-19
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776619.6 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises two bands at a bottom centre of the screen and a right band gradually expands laterally.

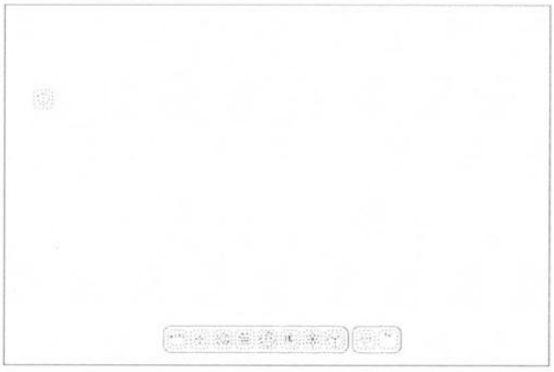


Figure 1

First face-on view

21: A2025/00670 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves from the right end inwards.

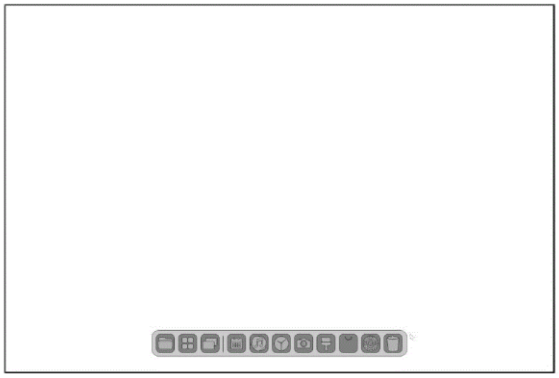


Figure 1

First face-on view

21: A2025/00671 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves with a cursor from the right end inwards and highlights an icon upon which the cursor hovers.

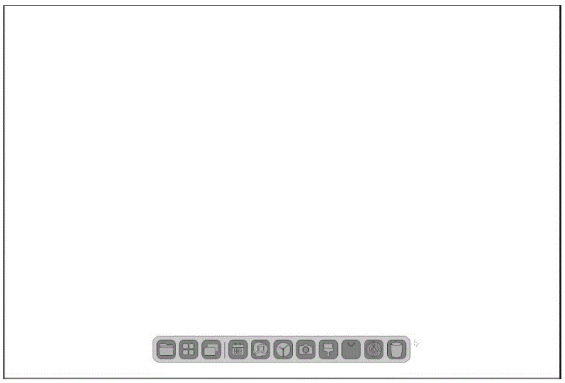


Figure 1

First face-on view

21: A2025/00672 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves with a cursor from the right end inwards and highlights an icon upon which the cursor hovers.

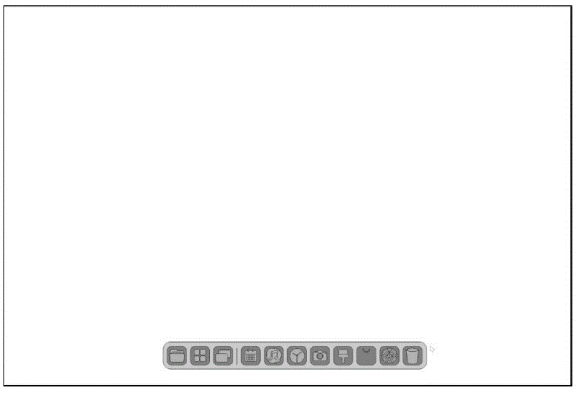


Figure 1

First face-on view

21: A2025/00673 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves with a cursor from the right end inwards and highlights an icon upon which the cursor hovers.

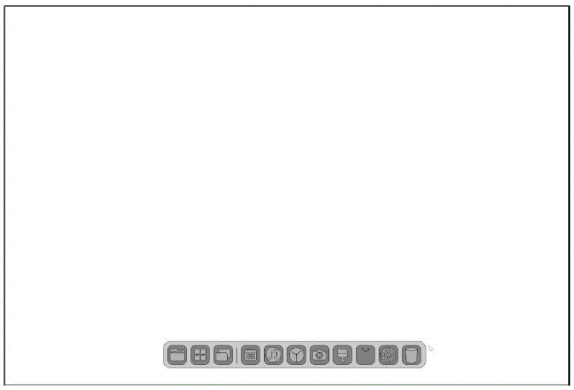


Figure 1

First face-on view

21: A2025/00674 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves with a cursor from the right end inwards and highlights an icon upon which the cursor hovers.

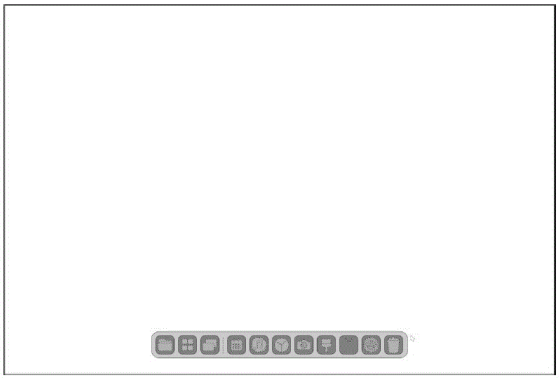


Figure 1

First face-on view

21: A2025/00675 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves with a cursor from the right end inwards and highlights an icon upon which the cursor hovers.

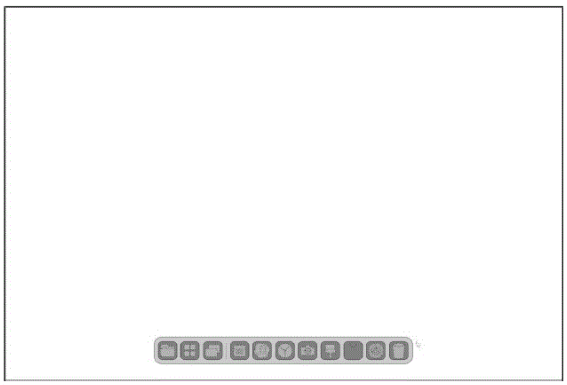


Figure 1

First face-on view

21: A2025/00676 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves with a cursor from the right end inwards and highlights an icon upon which the cursor hovers.

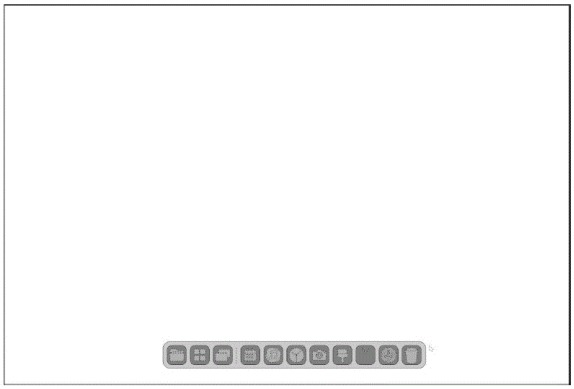


Figure 1

First face-on view

21: A2025/00677 22: 2025-06-05 23:
43: 2024-12-06
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430776517.4 32: 2024-12-06

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen. The icons are enclosed within a rounded rectangular bar. A subtle highlight or glare mark moves with a cursor from the right end inwards and highlights an icon upon which the cursor hovers.

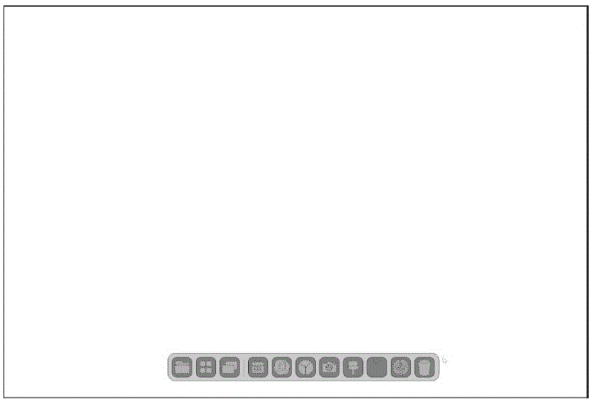
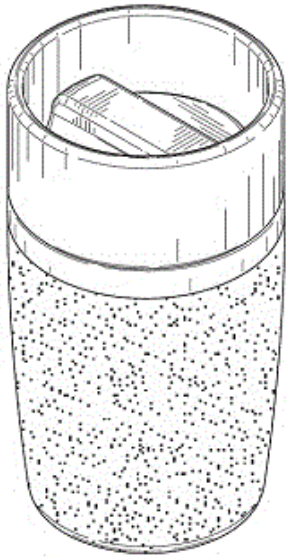


Figure 1

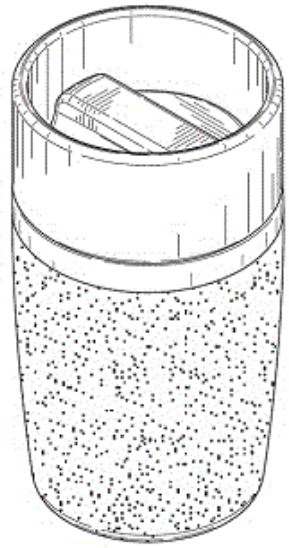
First face-on view

21: A2025/00689 22: 2025-06-05 23:
43: 2026-01-20
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/977,160 32: 2024-12-05
54: Tumbler
57: The design relates to a tumbler. The features of the design are those of shape and/or configuration and/or ornamentation.



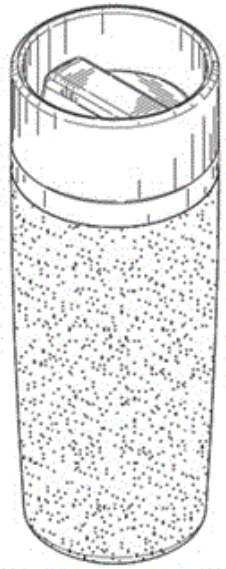
Top perspective view

21: A2025/00690 22: 2025-06-05 23:
43: 2026-01-20
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/977,160 32: 2024-12-05
54: Tumbler
57: The design relates to a tumbler. The features of the design are those of shape and/or configuration and/or ornamentation.



Top perspective view

21: A2025/00691 22: 2025-06-05 23:
43: 2026-01-20
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/977,160 32: 2024-12-05
54: Tumbler
57: The design relates to tumbler. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2025/00692 22: 2025-06-06 23:

43: 2024-12-07
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2024307784368 32: 2024-12-07
54: AUTOMOBILES
57: The design is for an SUV automobile. The front section of the vehicle features a pair of elongated headlights positioned on either side. The grille adopts an overall elliptical shape, with its pattern composed of non-intersecting lines arranged in a reticulated configuration. Positioned below the grille is the bumper. Along the side profile, a character line originating from the front wheel arch flows seamlessly across both the front and rear doors, subsequently connecting to the rear wheel arch line, creating a fluid and dynamic visual effect for the vehicle's flank. The rear section incorporates a full-width taillight design that extends onto the vehicle's side panels.

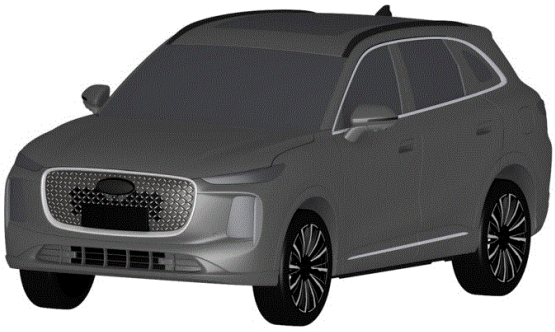


Figure 1

First three-dimensional view

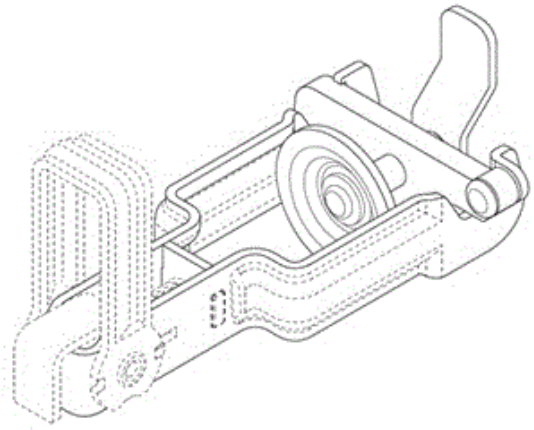
21: A2025/00693 22: 2025-06-06 23:
43: 2024-12-07
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2024307784584 32: 2024-12-07
54: AUTOMOBILES
57: The design is for an SUV automobile. The front section of the vehicle features a pair of elongated headlights positioned on each side. The primary grille adopts an overall elliptical configuration. Centred around the badge, the grille mesh radiates outward towards its periphery, evoking a web-like pattern. Integrated below the grille is a trapezium-shaped lower bumper exhibiting a matrix-patterned design. Along the vehicle's side profile, a character line originates from the front wheel arch, flows continuously across both front and rear doors, and connects seamlessly to the rear wheel arch line, enhancing the visual dynamism and fluidity of the flank. The rear aspect incorporates a full-width taillight assembly that extends onto the side body panels, complemented by a robust rear bumper.



Figure 1

Three-dimensional view

21: A2025/00696 22: 2025-06-06 23:
43: 2026-01-19
52: Class 25. 24: Part A
71: WORXSAFE AB
33: IB 31: 160806 32: 2025-03-19
54: Holder for a Fence
57: The design relates to a holder for a fence. The features of the design are those of shape and/or configuration and/or ornamentation.



Top, front and right side perspective view

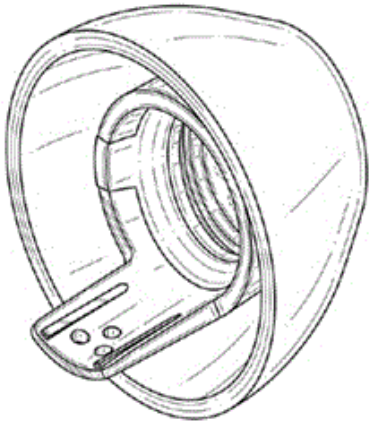
21: A2025/00697 22: 2025-06-06 23:
43: 2026-01-20

52: Class 10. 24: Part A
71: OMEGA SA (OMEGA AG) (OMEGA LTD.)
33: IB 31: 157030 32: 2024-12-12
54: Wrist Watch Strap
57: The design relates to a wrist watch strap. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



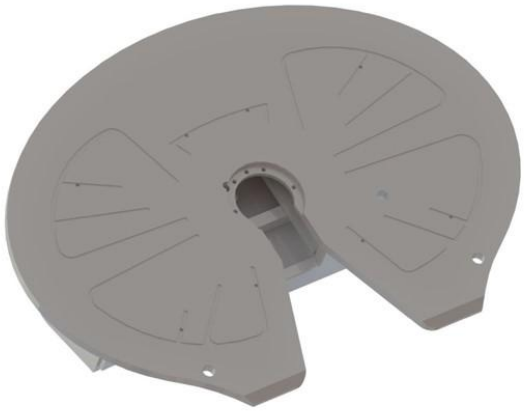
Front perspective view

21: A2025/00698 22: 2025-06-06 23:
43: 2026-01-20
52: Class 14. 24: Part A
71: BOSE CORPORATION
33: US 31: 29/977,281 32: 2024-12-06
54: Ear Tip
57: The design relates to an ear tip. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

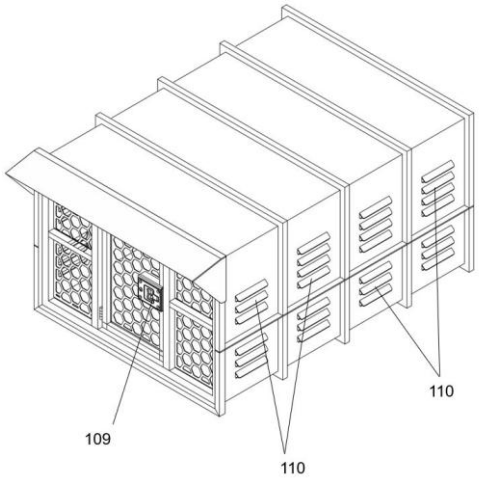


REAR, TOP AND LEFT SIDE PERSPECTIVE VIEW

21: A2025/00704 22: 2025-06-09 23:
43: 2026-01-20
52: Class 12 24: Part A
71: SAMPA OTOMOTIV SANAYI VE TICARET ANONIM SIRKETI
33: TR 31: 2024/010470 32: 2024-12-11
54: FIFTH WHEEL
57: The design is for a fifth wheel coupling device with features as shown in the representations. The fifth wheel is mountable on heavy-duty trucks to connect semi-trailers, and allows for secure articulation between the towing vehicle and the and the trailer. The fifth wheel consists of a locking mechanism as shown in the representations that firmly holds the trailer kingpin in place, ensuring stability during transport. The fifth wheel distributes load evenly, reducing wear and enhancing safety.



21: A2025/00708 22: 2025-06-09 23:
43: 2026-01-20
52: Class 30 24: Part A
71: SCOTT ,Lindy
54: A SET OF ANIMAL ENCLOSURES
57: The design is applied to a set of animal enclosures. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the animal enclosure, substantially as illustrated in the accompanying representation. Features of air vents (110) do not form part of the design and are disclaimed. Features of a locking mechanism (109) do not form part of the design and are also disclaimed.



21: A2025/00714 22: 2025-06-11 23:
43: 2025-03-25
52: Class 28 24: Part A
71: Personnel Hygiene Services Limited
33: EM(IE) 31: 015096638-0001 32: 2025-03-25
54: AIR FRESHENERS
57: The design is for a cover or housing for an air freshener, the housing being configured to receive a refill. The housing has a substantially cuboid form with rounded corners and edges and a bulging, convex front face. There is an inverted U- or V-shaped curved recess on the front face. Sides and a top of the housing define openings.

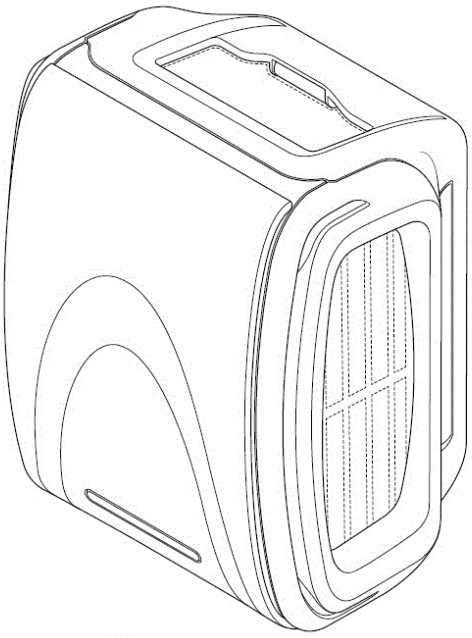


Figure 1
Three-dimensional view

21: A2025/00715 22: 2025-06-11 23:
43: 2024-12-18
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2024308045861 32: 2024-12-18
54: AUTOMOBILES
57: The design is for an automobile in the form of a double cab. A key feature of the design lies in the shape configuration of the automobile. A front fascia is equipped with headlights on both sides, each cluster containing two rectangular light modules. A pronounced grille structure and substantial bumper protrude forward, creating dimensional visual depth and conveying a robust aesthetic impression. Functional roof racks are integrated into a roofline, while a rear section comprises a cargo bed for practical loading purposes. A rear bumper-light cluster configuration maintains design coherence with the front treatment.



Figure 1
Three-dimensional view

21: A2025/00721 22: 2025-06-12 23:
43: 2024-12-13
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430792336.0 32: 2024-12-13
54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES
57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen and a plurality of transitioning windows covering most of the screen. The windows materialise into view from the background and transition from blurred to focused while becoming slightly smaller.

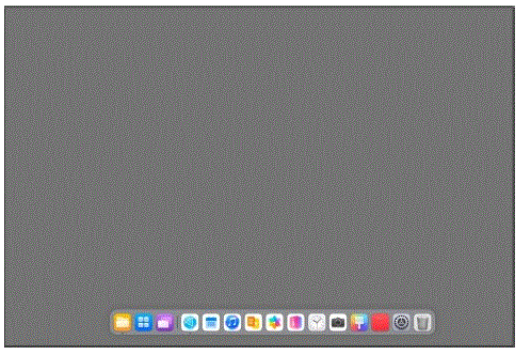


Figure 1

First face-on view

21: A2025/00722 22: 2025-06-12 23:
43: 2024-12-13
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430792336.0 32: 2024-12-13

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a plurality of transitioning windows covering most of the screen. The windows materialise into view from the background from a bottom of the screen and transition from blurred to focussed while becoming slightly smaller.



Figure 1

First face-on view

21: A2025/00723 22: 2025-06-12 23:
43: 2024-12-13
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430792336.0 32: 2024-12-13

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a plurality of transitioning windows covering most of the screen. Initially, some overlapping windows are provided on the screen which transition to become smaller and separated while additional windows materialise into view from the background from a bottom of the screen and transition from blurred to focussed while becoming slightly smaller.



Figure 1

First face-on view

21: A2025/00724 22: 2025-06-12 23:
43: 2024-12-13
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430792336.0 32: 2024-12-13

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a plurality of transitioning windows covering most of the screen. Initially, some overlapping windows are provided on the screen which transition to become smaller and separated while additional windows materialise into view from the background and transition from blurred to focussed while becoming slightly smaller.

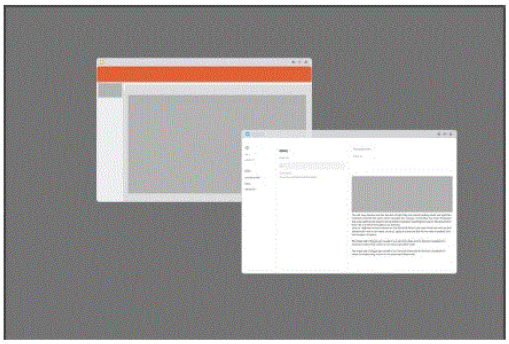


Figure 1

First face-on view

21: A2025/00725 22: 2025-06-12 23:
43: 2024-12-13
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430792336.0 32: 2024-12-13

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a plurality of transitioning windows covering most of the screen. The windows materialise into view from the background and transition from blurred to focussed while becoming slightly smaller, lower windows becoming focussed before upper windows.



Figure 1

First face-on view

21: A2025/00726 22: 2025-06-12 23:
43: 2024-12-13
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430792336.0 32: 2024-12-13

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen and a plurality of transitioning windows covering most of the screen. Initially, some overlapping windows are provided on the screen which transition to become smaller and separated.

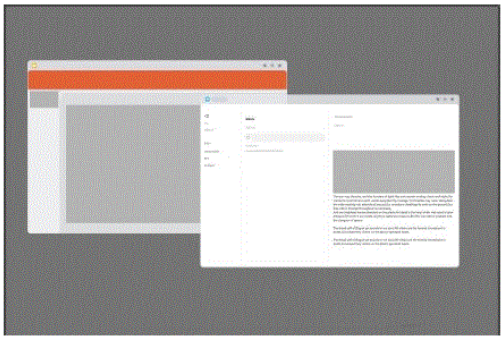


Figure 1

First face-on view

21: A2025/00727 22: 2025-06-12 23:
43: 2024-12-13
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430792336.0 32: 2024-12-13

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a band of icons at a bottom centre of the screen and a plurality of transitioning windows covering most of the screen. Initially, some overlapping windows are provided on the screen which transition to become smaller and separated while additional windows materialise into view from the background and transition from blurred to focussed while becoming slightly smaller.

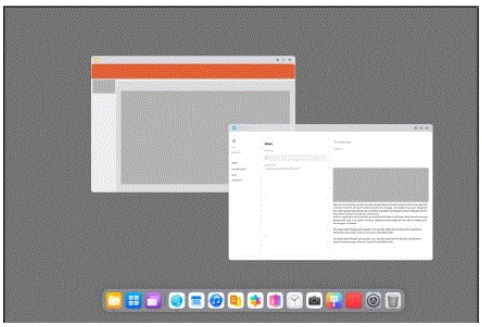
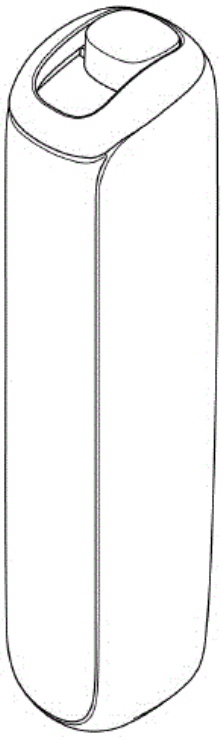


Figure 1

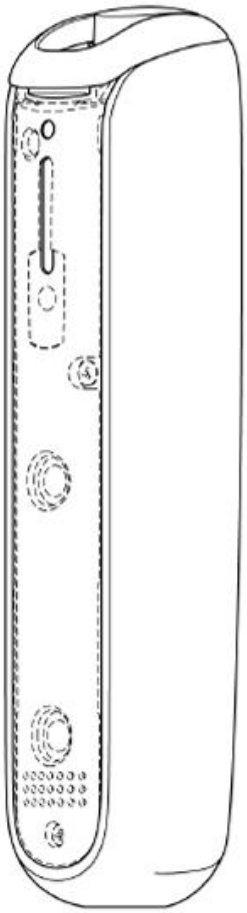
First face-on view

21: A2025/00728 22: 2025-06-12 23:
43: 2025-04-25
52: Class 27 24: Part A
71: JT INTERNATIONAL S.A.
33: JP 31: 2025-008336 32: 2025-04-25
54: ELECTRONIC CIGARETTES
57: The design relates to an electronic cigarette. the features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2025/00729 22: 2025-06-12 23:
43: 2025-04-25
52: Class 27 24: Part A
71: JT INTERNATIONAL S.A.
33: JP 31: 2025-008338 32: 2025-04-25
54: ELECTRONIC CIGARETTE BODIES
57: The design relates to an electronic cigarette body. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2025/00730 22: 2025-06-12 23:
43: 2025-04-25
52: Class 27 24: Part A
71: JT INTERNATIONAL S.A.
33: JP 31: 2025-008337 32: 2025-04-25
54: REMOVABLE COVERS OF ELECTRONIC CIGARETTES
57: The design relates to a removable cover of an electronic cigarette. The features of the design are

those of shape and/or configuration and/or ornamentation.



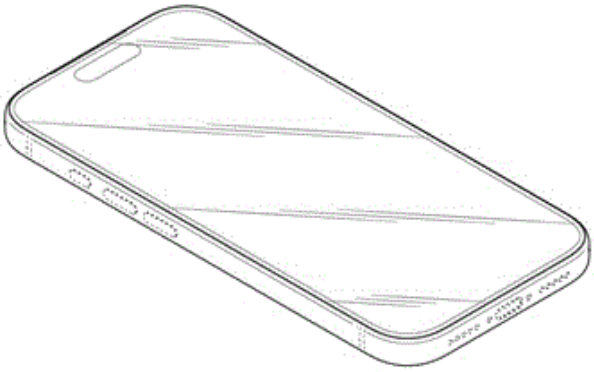
PERSPECTIVE VIEW

21: A2025/00736 22: 2025-06-13 23:
43: 2026-01-20
52: Class 14. 24: Part A
71: APPLE INC.
33: US 31: 29/987,132 32: 2025-01-21
54: Electronic Device
57: The design relates to an electronic device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



BOTTOM FRONT PERSPECTIVE VIEW

21: A2025/00737 22: 2025-06-13 23:
43: 2026-01-20
52: Class 14. 24: Part A
71: APPLE INC.
33: US 31: 29/987,304 32: 2025-01-22
54: Electronic Device
57: The design relates to an electronic device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



BOTTOM FRONT PERSPECTIVE VIEW

21: A2025/00740 22: 2025-06-17 23:
43: 2024-12-19
52: Class 7 24: Part A
71: Société des Produits Nestlé S.A.
33: CH 31: 148372 32: 2024-12-19
54: COFFEE MACHINES
57: The design is for a coffee machine with a substantially cuboid shape. A front surface of the coffee machine has a prominent protrusion positioned centrally at an upper portion which tapers and has an inclined front circular face with a spout at

the bottom. A large rectangular drip tray with rounded corners projects forwardly from a bottom of the front surface having a grate with parallel lateral slots. A floating rectangular cup support with rounded corners is hinged to the front surface between the large drip tray and the spout. The support has parallel lateral slots with a circular hole centrally. A rectangular container is attached to a rear surface of the coffee machine.

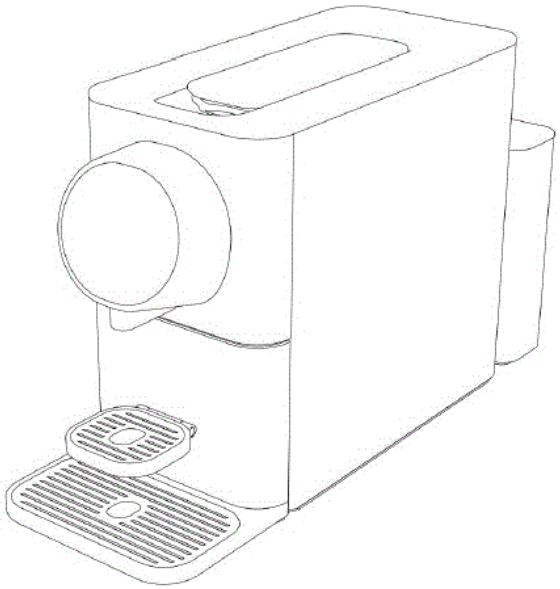


Figure 1

Three-dimensional view

21: A2025/00741 22: 2025-06-17 23:
43: 2024-12-26
52: Class 07 24: Part A
71: Société des Produits Nestlé S.A.
33: CH 31: 148380 32: 2024-12-26
54: COFFEE MACHINES
57: The design is for a coffee machine comprising a body having an obround upper portion with two round operating buttons. A U-shaped wall wraps around a main part of the body and is open at a front. A floating circular cup support projects forwardly from the front above a semi-circular drip tray. An upright cylindrical container is provided at a rear surface of the coffee machine, the container being displaceable between plural positions.

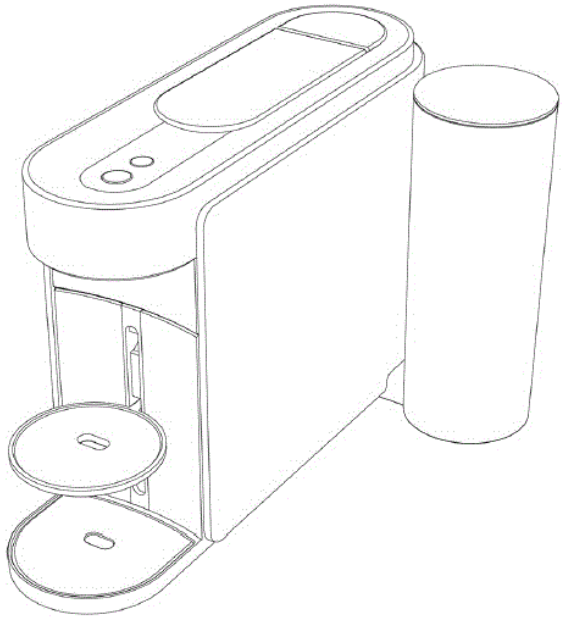


Figure 1

Three-dimensional view in a first position

21: A2025/00742 22: 2025-06-17 23:
43: 2026-01-19
52: Class 10 24: Part A
71: Turlen Holding SA
33: CH 31: 2025-00090 32: 2025-03-05
54: WATCHES
57: The design is for a watch. The watch case has a general cuboidal shape and convexly bulging sides. The case includes a bezel with a dial and mechanical components nested therein and a case back. The bezel and case back expose the dial and mechanical components providing a skeletal-type case and have pronounced screws in openings about their peripheries. One side has two oblong pusher and the opposite side has a prominent crown disposed centrally with a knurled crown head and an oblong pusher below. Each pusher has a peripheral edge or rim defining an inner depression. The dial comprises a short skeletal hour hand and a longer skeletal minute hand, two elongate sweeping hands, and two subdials.



Figure 1

First three-dimensional view

21: A2025/00743 22: 2025-06-17 23:
43: 2025-03-05
52: Class 10 24: Part A
71: Turlen Holding SA
33: CH 31: 2025-00090 32: 2025-03-05
54: WATCH CASES
57: The design is for a watch case. The watch case has a general cuboidal shape and convexly bulging sides. The case includes a bezel and a case back. The inner bezel has tabs as hour markers and, the bezel together with the case back, has pronounced screws in openings about its periphery. One side has two oblong pushers and the opposite side has a prominent crown disposed centrally with a knurled crown head and an oblong pusher below. Each pusher has a peripheral edge or rim defining an inner depression.

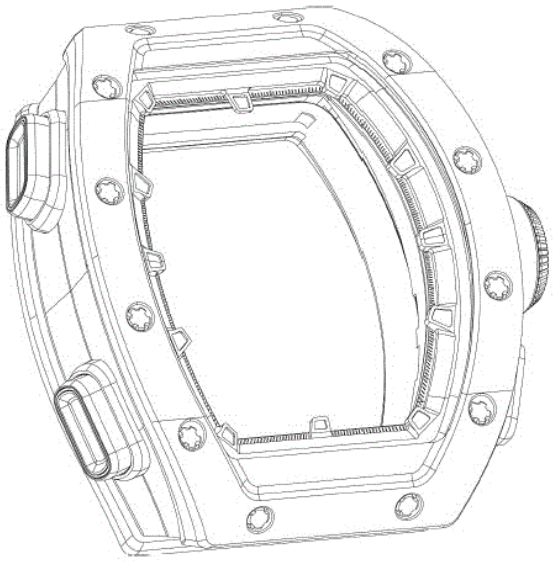


Figure 1

First three-dimensional view

21: A2025/00744 22: 2025-06-17 23:
43: 2025-03-05
52: Class 10 24: Part A
71: Turlen Holding SA
33: CH 31: 2025-00090 32: 2025-03-05
54: WATCH CASES
57: The design is for a watch case. The watch case has a general cuboidal shape and convexly bulging sides. The case has pronounced screws in openings about its periphery. One side of the case has recesses for two oblong pushers and the opposite side has recesses for a prominent crown disposed centrally and an oblong pusher below.

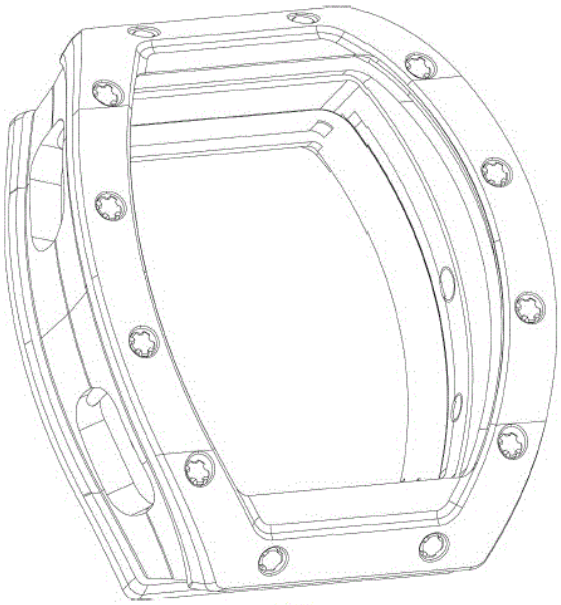


Figure 1

First three-dimensional view

21: A2025/00745 22: 2025-06-17 23:
43: 2025-03-05
52: Class 10 24: Part A
71: Turlen Holding SA
33: CH 31: 2025-00090 32: 2025-03-05
54: WATCH MECHANISMS
57: The design is for a watch mechanism. The watch mechanism has a general rectangular outer frame with convexly bulging sides, and it is configured to hold dial components and mechanical parts therein. The mechanical parts include an intricate structure of layered gears and other working components of a watch. The dial includes a webbed dial frame and subdials.

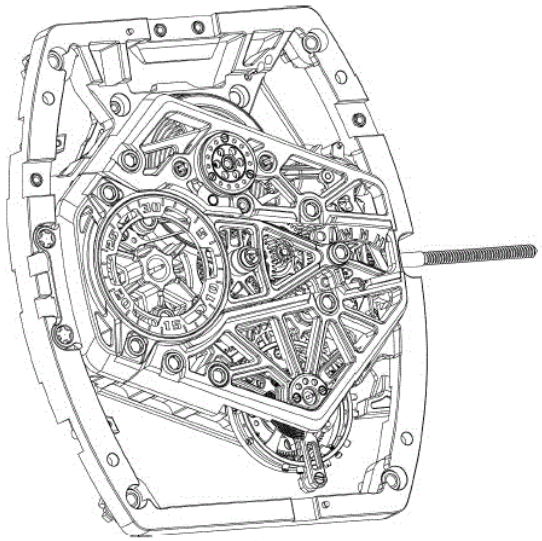
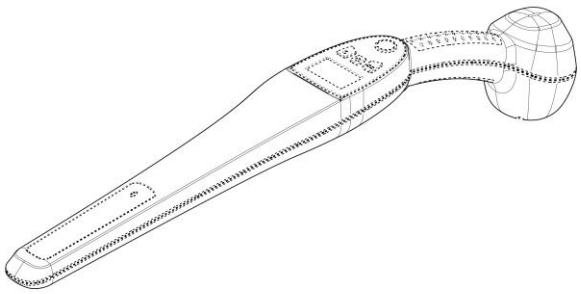


Figure 1

First three-dimensional view

21: A2025/00750 22: 2025-06-18 23:
43: 2026-01-19
52: Class 14 24: Part A
71: GALLAGHER GROUP LIMITED
33: NZ 31: 434859 32: 2024-12-20
54: ELECTRONIC IDENTIFICATION READER
57: The design is for an electronic identification reader for scanning of identification tags, comprising a proximate handle portion and an angled neck portion extending to a distal reading head.

PERSPECTIVE VIEW



21: A2025/00756 22: 2025-06-19 23:
43: 2024-12-20
52: Class 9 24: Part A
71: Stolle Machinery Company, LLC
33: US 31: 29/979,812 32: 2024-12-20
54: CAN ENDS
57: The design is for a can end of a can shell. A feature of the design is an inverted inner countersink

wall. An annular countersink is formed between the inverted inner countersink wall and the outer countersink wall around an outer area of the can shell. The inverted inner countersink wall extends to the outer countersink wall and then inverts and extends away from the outer countersink wall. The inverted inner countersink wall then loops around to the outer countersink wall which creates a closed loop shape in the annular countersink. Another feature of the design is that the outer wall extending to the curled edge of the can shell includes a radiused kick portion rather than extending in a straight line.

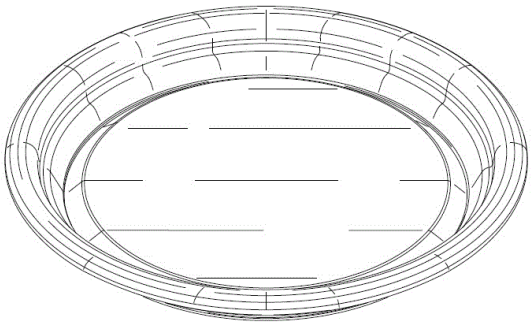
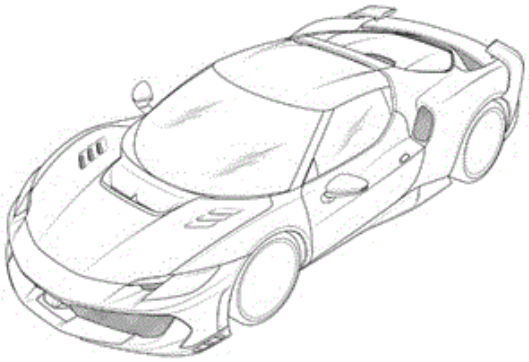


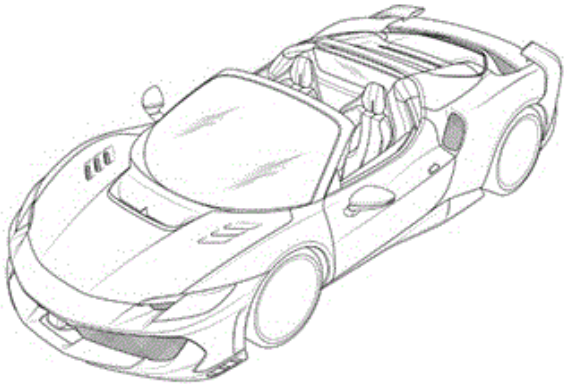
Figure 1
Three-dimensional view

21: A2025/00757 22: 2025-06-19 23:
43: 2026-01-20
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157457 32: 2024-12-23
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



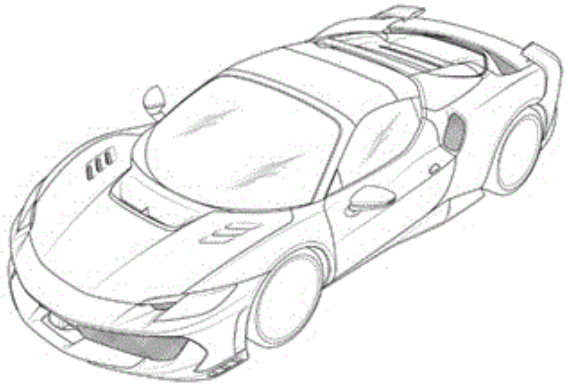
FRONT PERSPECTIVE VIEW

21: A2025/00758 22: 2025-06-19 23:
43: 2026-01-20
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157457 32: 2024-12-23
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

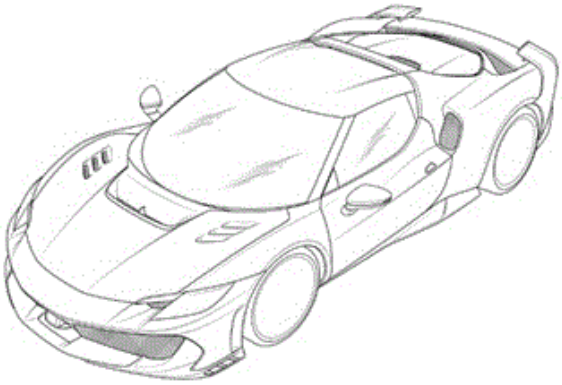
21: A2025/00759 22: 2025-06-19 23:
43: 2026-01-20
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157457 32: 2024-12-23
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

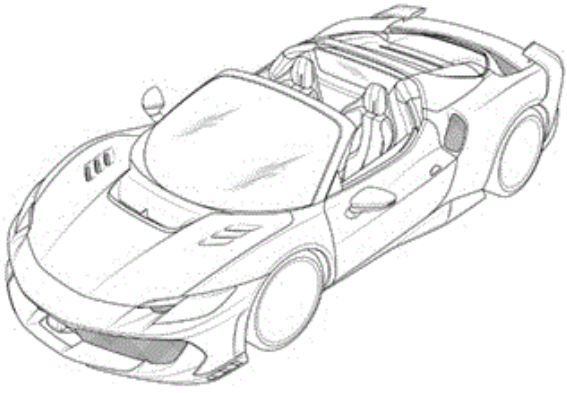
21: A2025/00760 22: 2025-06-19 23:

43: 2026-01-20
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157439 32: 2024-12-23
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2025/00761 22: 2025-06-19 23:
43: 2026-01-20
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157439 32: 2024-12-23
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

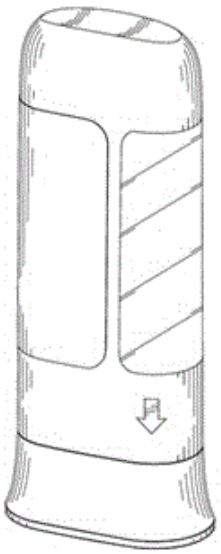
21: A2025/00764 22: 2025-06-20 23:
43: 2026-01-19
52: Class 9 24: Part A
71: Shiseido Company, Limited
33: EM 31: 015086179-0002 32: 2024-12-20
54: BOTTLES
57: The design is for a bottle. The body of the bottle is elongate and transparent. A bottom of the body is flat and oval, with a decorative notch visible through the transparency at the bottom. The body is asymmetrical, with shoulders tapering upwards, but one shoulder is straight, while the other shoulder curves arcuately and inwardly. A cap of the bottle is wooden and mirrors the shape of the body, but is rotated180 and offset to one side.



Figure 1

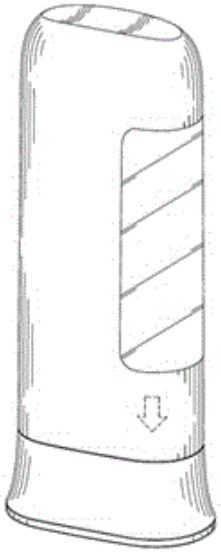
Three-dimensional view

21: A2025/00768 22: 2025-06-23 23:
43: 2026-01-20
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/980,216 32: 2024-12-23
54: Drug Delivery Device
57: The design relates to a drug delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



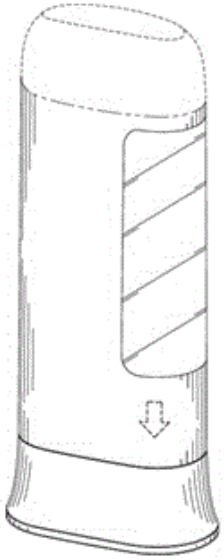
Front right perspective view

21: A2025/00769 22: 2025-06-23 23:
43: 2026-01-20
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/980,216 32: 2024-12-23
54: Drug Delivery Device
57: The design relates to a drug delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



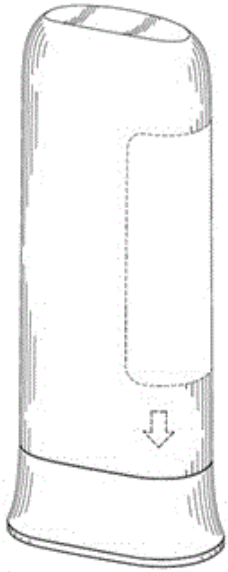
Front right perspective view

21: A2025/00770 22: 2025-06-23 23:
43: 2026-01-20
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/980,216 32: 2024-12-23
54: Drug Delivery Device
57: The design relates to a drug delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



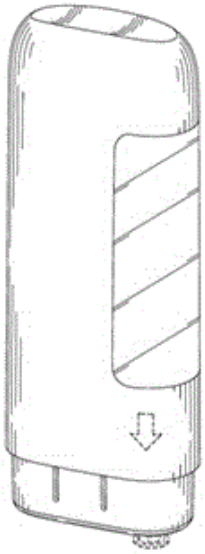
FRONT RIGHT PERSPECTIVE VIEW

21: A2025/00771 22: 2025-06-23 23:
43: 2026-01-20
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/980,216 32: 2024-12-23
54: Drug Delivery Device
57: The design relates to a drug delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



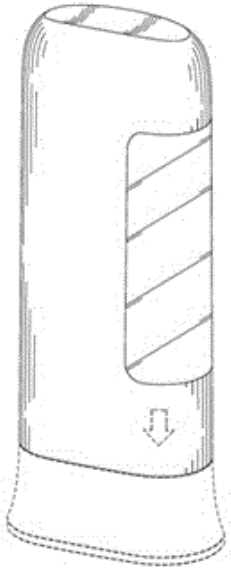
FRONT RIGHT PERSPECTIVE VIEW

21: A2025/00772 22: 2025-06-23 23:
43: 2026-01-20
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/980,216 32: 2024-12-23
54: Drug Delivery Device
57: The design relates to a drug delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



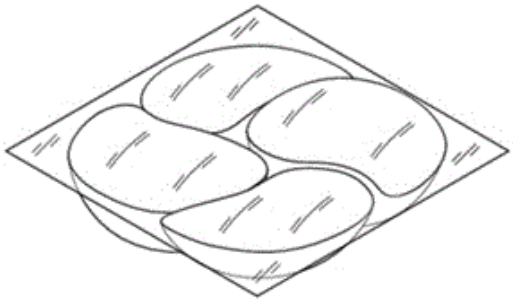
FRONT RIGHT PERSPECTIVE VIEW

21: A2025/00773 22: 2025-06-23 23:
43: 2026-01-20
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/980,216 32: 2024-12-23
54: Drug Delivery Device
57: The design relates to a drug delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT RIGHT PERSPECTIVE VIEW

21: A2025/00774 22: 2025-06-24 23:
43: 2026-01-20
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 015100481-0001 32: 2025-04-28
54: Capsule
57: The design relates to a capsule. The features of the design are those of shape and/or configuration.



FRONT PERSPECTIVE VIEW

21: A2025/00775 22: 2025-06-24 23:
43: 2026-01-20
52: Class 07 24: Part A
71: GUANGDONG FENGLAIER HOME FURNISHINGS CO., LTD
54: POT
57: The design relates to a pot. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or

ornamentation, substantially as shown in the representations.



21: A2025/00776 22: 2025-06-25 23:
43: 2026-01-19
52: Class 8 24: Part A
71: Kito Corporation
33: JP 31: 2024-027202 32: 2024-12-26
54: LIFTING HOOKS
57: The design is for a lifting hook. The hook includes a body with a U-shaped throat opening and a notch in a tip of the body. The hook includes an inner saddle surface and an outer heel surface, having a ridge extending centrally there-along, the ridge decreasing in height from a top to the tip. The heel surface further includes ridge lines parallel to each other on a front heel surface and a rear heel surface.



Figure 1

Three-dimensional view

21: A2025/00777 22: 2025-06-25 23:
43: 2024-12-26
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430826594.6 32: 2024-12-26
54: DISPLAY SCREENS OR PORTIONS THEREOF WITH ANIMATED GRAPHICAL USER INTERFACES
57: The design is for a screen with a user interface (UI). The UI comprises a transitioning window within the screen. The window is rectangular and roughly centred to start, and then twists and contorts as it reduces in size and moves downwardly before disappearing entirely.

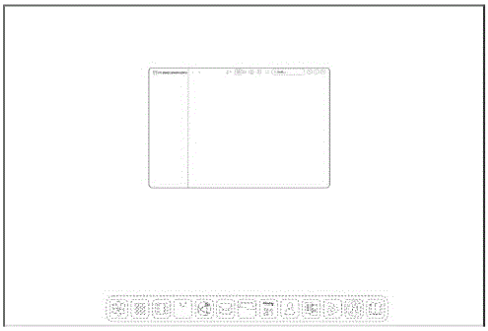


Figure 1

First face-on view

21: A2025/00778 22: 2025-06-25 23:
43: 2024-12-26
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430826594.6 32: 2024-12-26

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH ANIMATED GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a transitioning window within the screen with an icon bar below the window. The window is rectangular and roughly centred to start, and then twists and contorts as it reduces in size and moves downwardly before disappearing entirely into the bar.

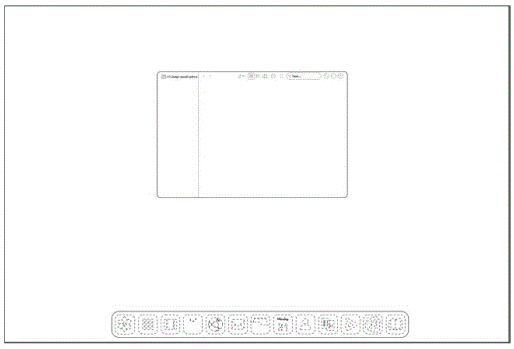


Figure 1

First face-on view

21: A2025/00779 22: 2025-06-25 23:
43: 2024-12-26
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430826594.6 32: 2024-12-26

54: DISPLAY SCREENS OR PORTIONS THEREOF WITH ANIMATED GRAPHICAL USER INTERFACES

57: The design is for a screen with a user interface (UI). The UI comprises a transitioning window within the screen. The window is rectangular and roughly centred to start, and then twists and contorts as it reduces in size and moves downwardly before disappearing entirely.

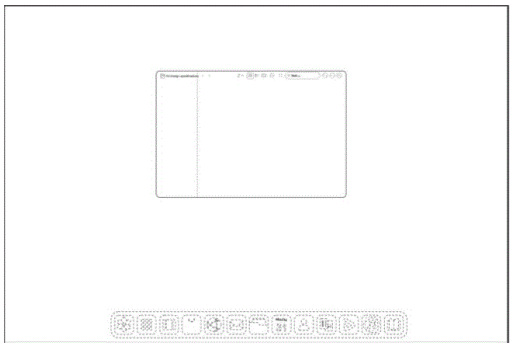


Figure 1

First face-on view

21: A2025/00780 22: 2025-06-25 23:
43: 2025-05-28
52: Class 8 24: Part A
71: Kito Corporation
33: JP 31: 2025-010532 32: 2025-05-28

54: LIFTING HOOKS

57: The design is for a lifting hook. The hook includes a body with a U-shaped throat opening and a notch in a tip of the body. The hook includes an inner saddle surface and an outer heel surface, the hook having a teardrop-shaped cross-sectional profile which decreases in size from a top to the tip. The heel surface further includes front and rear surfaces which are parallel to each other.

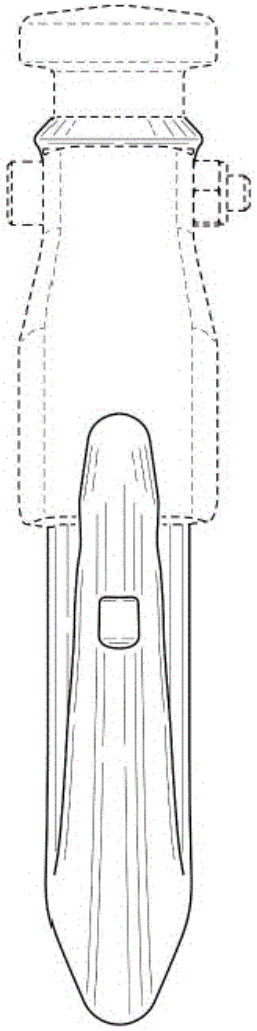


Figure 1

Front view

21: A2025/00781 22: 2025-06-25 23:
43: 2025-05-28
52: Class 8 24: Part A
71: Kito Corporation
33: JP 31: 2025-010526 32: 2025-05-28
54: LIFTING HOOKS
57: The design is for a lifting hook. The hook includes an inner saddle surface and outer front and rear heel surfaces. The front and rear heel surfaces include ridge lines parallel to each other. The respective saddle surface and the heel surfaces are curved but have a flat band extending centrally.

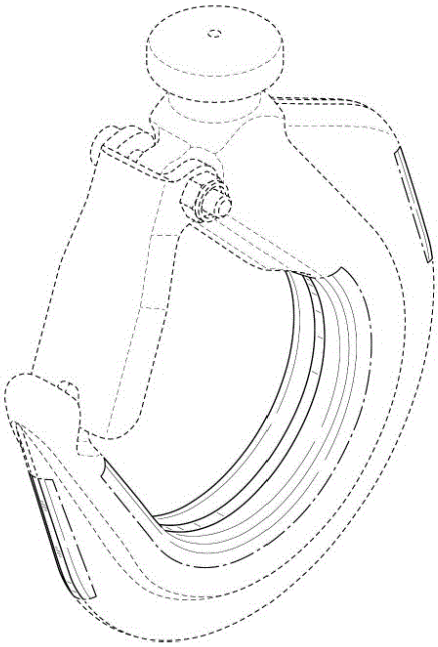
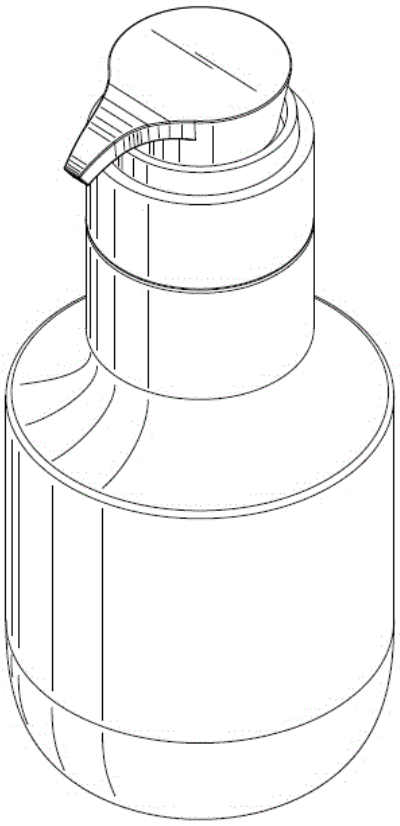


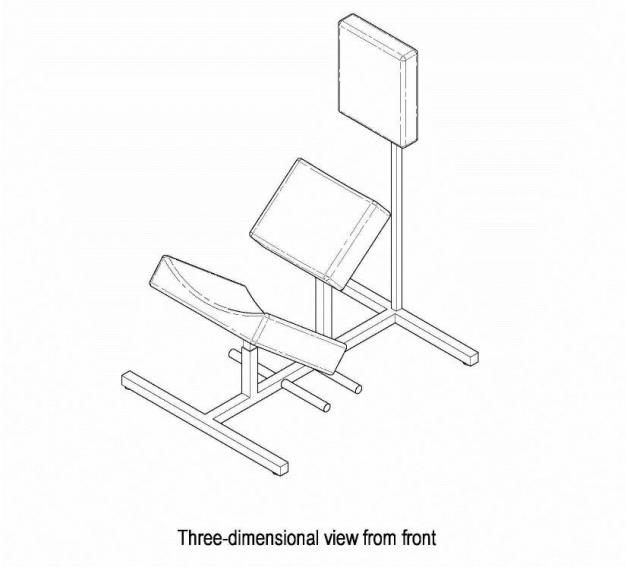
Figure 1

Three-dimensional view

21: A2025/00782 22: 2025-06-26 23:
43: 2026-01-20
52: Class 09 24: Part A
71: SOL DE JANEIRO IP, INC
33: US 31: 29/980,880 32: 2024-12-27
54: COSMETIC DISPENSER
57: The design is in respect of the shape and or ornamentation of a cosmetic dispenser as shown in the representation.

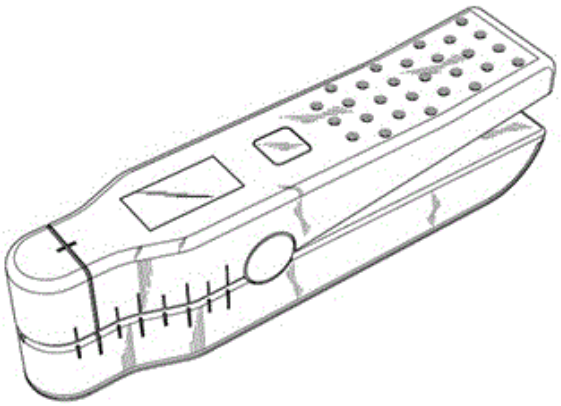


21: A2025/00784 22: 2025-06-26 23:
43: 2025-06-26
52: Class 21 24: Part A
71: Lionalign (Pty) Ltd
54: Gymnasium Equipment
57: This design is for gymnasium equipment, in the form of a pad for exercise equipment, substantially as shown in the representations. The pad comprises a body extending from a base, wherein the body is slab-like and comprises a main body portion and a support protrusion projecting from the main body portion.



Three-dimensional view from front

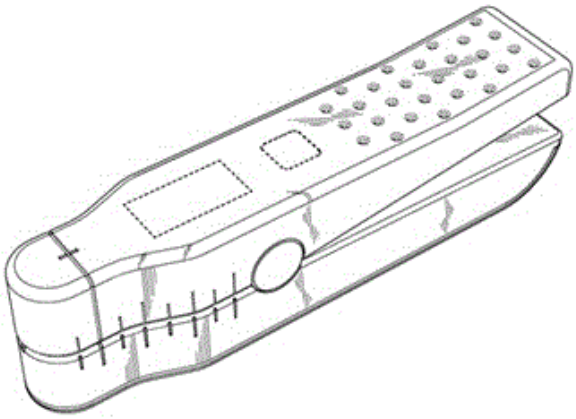
21: A2025/00785 22: 2025-06-26 23:
43: 2026-01-20
52: Class 16. 24: Part A
71: YARA INTERNATIONAL ASA
33: EM 31: 015086767-0002 32: 2024-12-30
33: EM 31: 015086767-0001 32: 2024-12-30
54: Plant Nutrient Meter
57: The design relates to a plant nutrient meter. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW FIRST CONFIGURATION

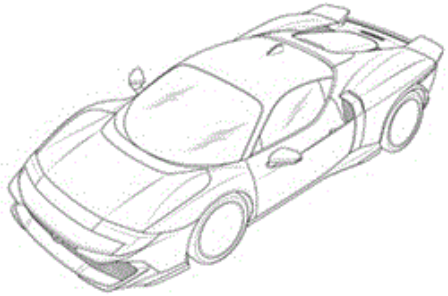
21: A2025/00786 22: 2025-06-26 23:
43: 2026-01-20
52: Class 16. 24: Part A
71: YARA INTERNATIONAL ASA
33: EM 31: 015086767-0004 32: 2024-12-30
33: EM 31: 015086767-0003 32: 2024-12-30

54: Plant Nutrient Meter
57: The design relates to a plant nutrient meter. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



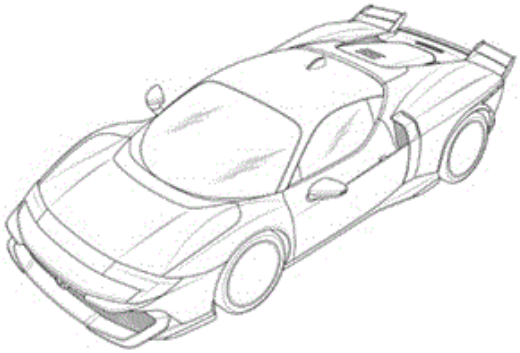
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW FIRST CONFIGURATION

21: A2025/00787 22: 2025-06-26 23:
43: 2026-01-20
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157584 32: 2024-12-27
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



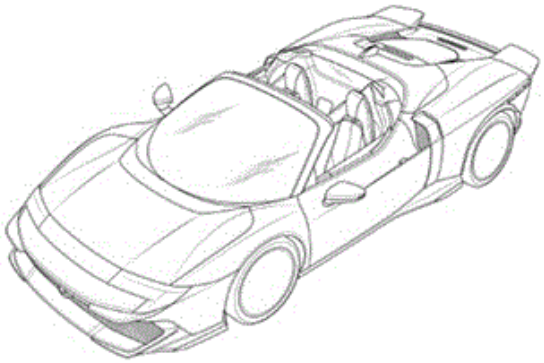
Front perspective view

21: A2025/00788 22: 2025-06-26 23:
43: 2026-01-20
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157584 32: 2024-12-27
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

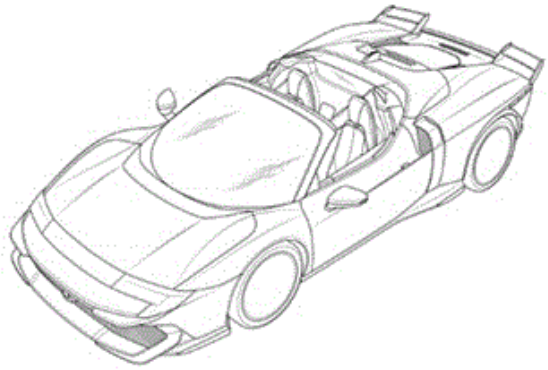
21: A2025/00789 22: 2025-06-26 23:
43: 2026-01-20
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157584 32: 2024-12-27
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

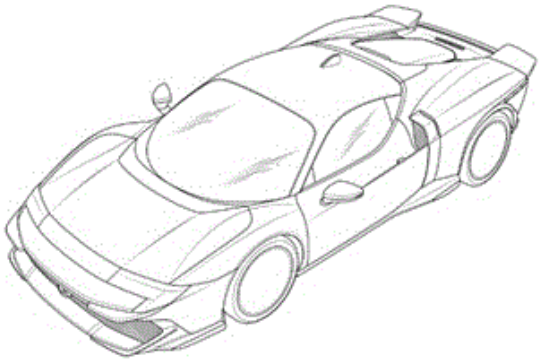
21: A2025/00790 22: 2025-06-26 23:
43: 2026-01-20
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157584 32: 2024-12-27
54: Car

57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



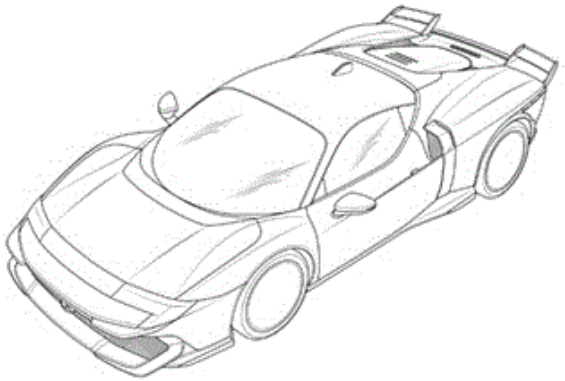
FRONT PERSPECTIVE VIEW

21: A2025/00791 22: 2025-06-26 23:
43: 2026-01-20
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157603 32: 2024-12-27
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



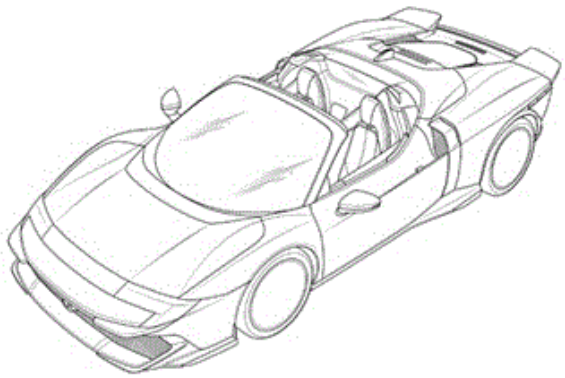
FRONT PERSPECTIVE VIEW

21: A2025/00792 22: 2025-06-26 23:
43: 2026-01-20
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157603 32: 2024-12-27
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



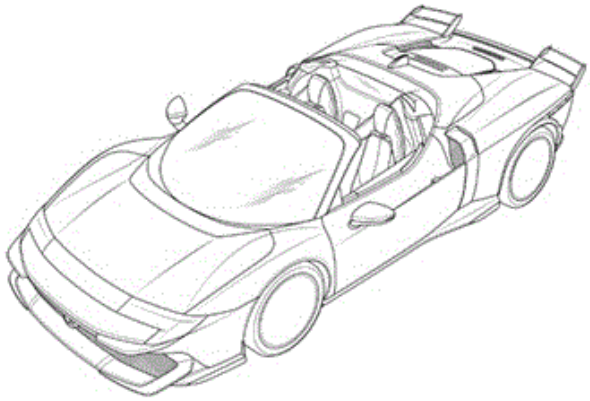
FRONT PERSPECTIVE VIEW

21: A2025/00793 22: 2025-06-26 23:
43: 2026-01-20
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157603 32: 2024-12-27
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2025/00794 22: 2025-06-26 23:
43: 2026-01-20
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 157603 32: 2024-12-27
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

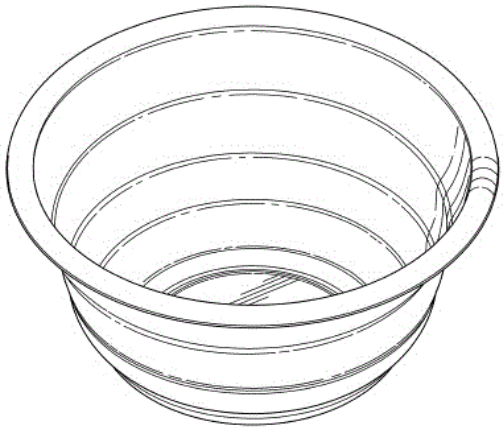
21: A2025/00801 22: 2025-06-27 23:
43: 2024-12-31
52: Class 15 24: Part A
71: Xingmai Innovation Technology (Suzhou) Co., Ltd.
33: CN 31: 2024308439435 32: 2024-12-31
54: SWIMMING POOL CLEANERS
57: This design pertains to a swimming pool cleaner. The design features reside in the overall shape and configuration of the swimming pool cleaner. Key characteristics include dual water inlets positioned at the front and bottom sections to accommodate both water surface and underwater cleaning requirements. Side brushes are incorporated to cooperate with a water inlet for water surface cleaning for debris intake. At the front section, the water inlet for water surface cleaning, an imaging sensor, and a distance sensor are arranged sequentially from top to bottom, and the distance sensor is located above a roller brush. Additional distance sensors are symmetrically positioned on the underside of the swimming pool cleaner, adjacent to track assemblies, and located between the roller brush and a water inlet for underwater cleaning.



Figure 1

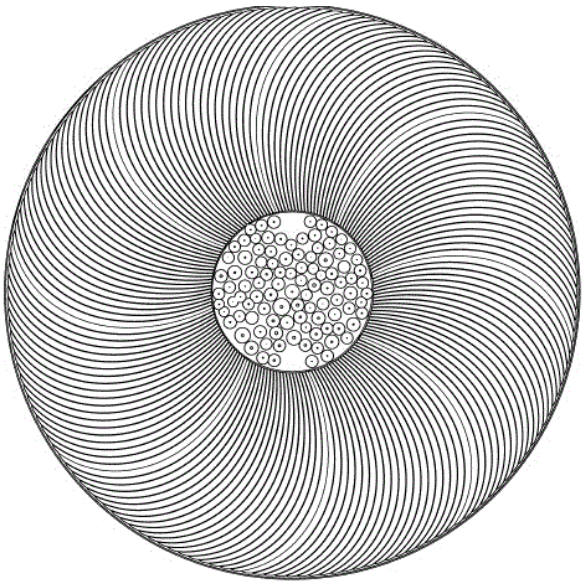
First three-dimensional view

21: A2025/00808 22: 2025-06-30 23:
43: 2025-01-15
52: Class 7 24: Part A
71: Formosa Plastic (Pty) Limited
54: Containers
57: The design relates to a container which comprises a bowl-shaped base with a rounded brim and a complemental round plate-shaped lid which is receivable over an open top of the base. A side wall of the base diverges from a bottom upward and includes a series of circumferentially extending faint grooves which give rise to an undulating side wall surface. A bottom surface of the base and lid have a central circular formation surrounded by a radially outwardly extending pattern which resembles flower petals.



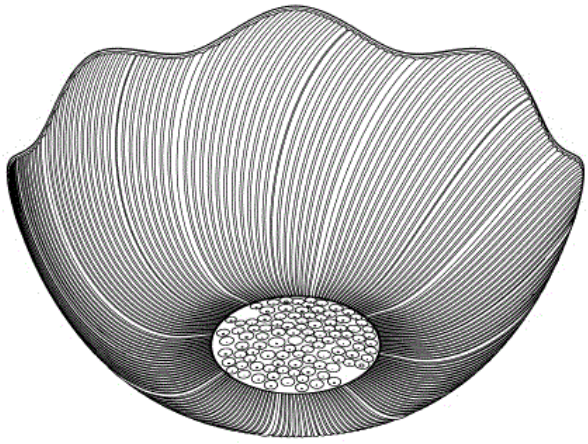
Three-dimensional view

21: A2025/00809 22: 2025-06-30 23:
43: 2025-06-30
52: Class 32 24: Part A
71: Formosa Plastic (Pty) Limited
54: Surface patterns
57: The design is for a surface pattern which comprises a central circular formation having a plurality of irregularly sized and randomly disposed circular formations contained therein. A continuous series of narrowly spaced apart arcuately curved lines project radially outwardly from the circular formation. The continuous series includes a faint line which reoccurs at equi-angularly spaced apart positions in the series. It is to be appreciated that the surface pattern may be applied to different articles such as plates, bowls, cups and trays etc.



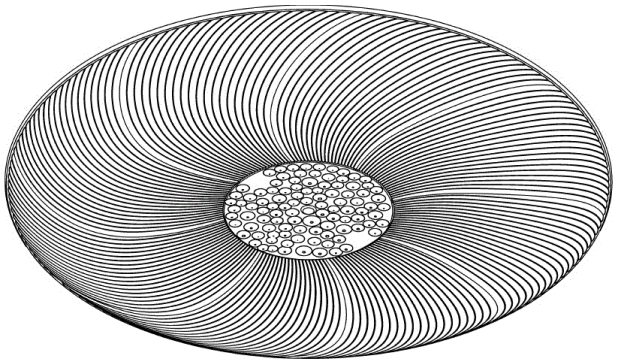
Plan view

21: A2025/00810 22: 2025-06-30 23:
43: 2025-06-30
52: Class 7 24: Part A
71: Formosa Plastic (Pty) Limited
54: Bowls
57: The design is for a bowl, more specifically, a plastic bowl. The bowl has a surface pattern provided on an outer surface thereof. An inner surface of the bowl is clear. An upper rim of the bowl is undulating. The surface pattern on a base of the bowl comprises a central circular formation having a plurality of irregularly sized and randomly disposed circular formations contained therein. A continuous series of narrowly spaced apart arcuately curved lines or grooves extend radially outwardly from the circular formation to the upper rim. The continuous series includes a faint line or groove which reoccurs at equiangularly spaced apart positions in the series. It is to be appreciated that the surface pattern may be applied to bowls of various sizes.



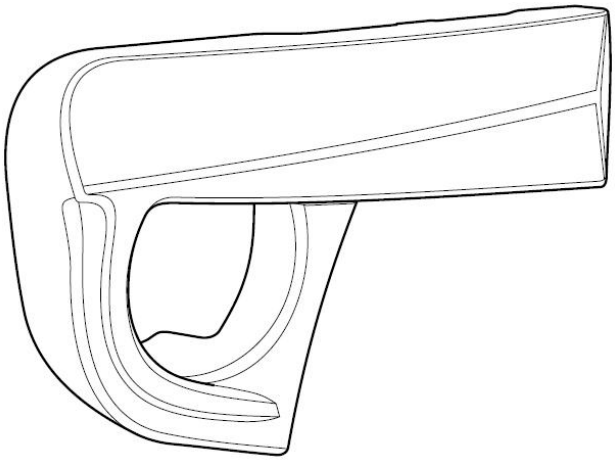
Three-dimensional view from below

21: A2025/00811 22: 2025-06-30 23:
43: 2025-06-30
52: Class 7 24: Part A
71: Formosa Plastic (Pty) Limited
54: Plates
57: The design is for a plate, more specifically, a plastic plate. The plate includes a surface pattern provided on a bottom surface thereof. A top surface of the plate is clear. The surface pattern comprises a central circular formation having a plurality of irregularly sized and randomly disposed circular formations contained therein. A continuous series of narrowly spaced apart arcuately curved lines or grooves extend radially outwardly from the circular formation. The continuous series includes a faint line or groove which reoccurs at equiangularly spaced apart positions in the series. It is to be appreciated that the surface pattern may be applied to plates of various sizes.

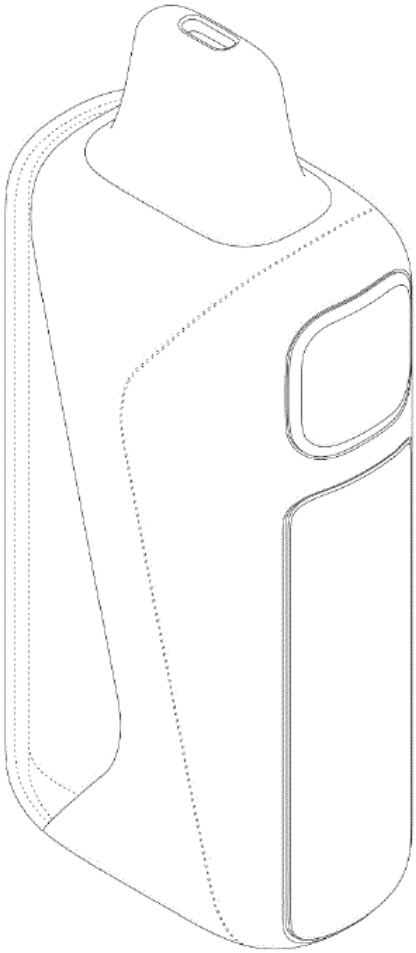


Three-dimensional view from below

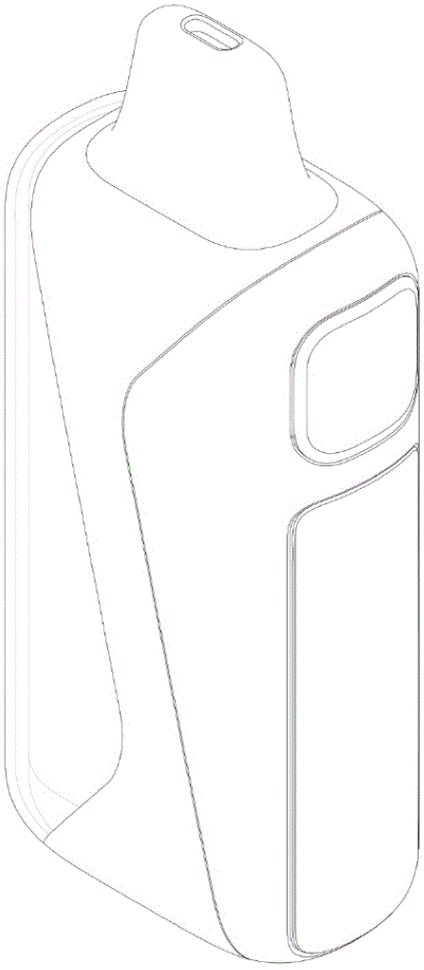
21: A2025/00928 22: 2025-08-07 23:
43: 2026-03-06
52: Class 12 24: Part A
71: OCIN PRODUCTS, S.L
54: VEHICLE LIGHT TRIM
57: The features of this design for which protection are claimed include the shape and/or configuration of a vehicle light trim element substantially as illustrated in the accompanying representations for use on the front right of a vehicle, and its mirror image for use on the front left of a vehicle.



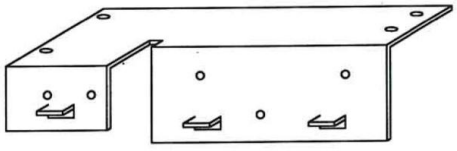
21: A2025/01346 22: 2025-11-07 23:
43: 2026-01-26
52: Class 27 24: Part A
71: Emerald Vine B.V.
54: ELECTRONIC CIGARETTE (PART OF)
57: The design relates to a ELECTRONIC CIGARETTE (PART OF). The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



21: A2025/01347 22: 2025-11-07 23:
43: 2026-01-26
52: Class 27 24: Part A
71: Emerald Vine B.V.
33: CN 31: 202530292133.X 32: 2025-05-23
54: ELECTRONIC CIGARETTE
57: The design relates to a ELECTRONIC CIGARETTE. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.

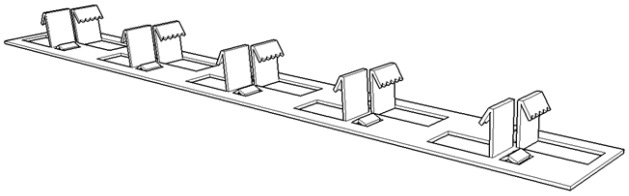


21: F2025/00569 22: 2025-05-21 23:
43: 2025-12-10
52: Class 08 24: Part F
71: GUROVICH, Juro
54: BRACKETS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a bracket, substantially as shown in the representations, the features shown in broken lines and marked “A” are for illustrative purposes only and are disclaimed.

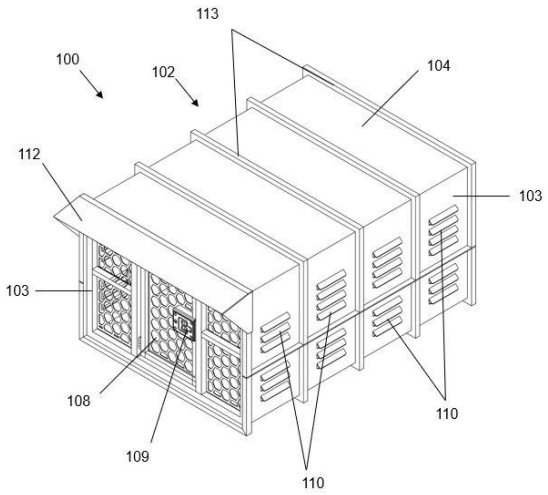


Three-dimensional side view of a bracket.

21: F2025/00630 22: 2025-06-02 23:
43: 2026-01-20
52: Class 25 24: Part F
71: TIMMDEK (PTY) LTD
54: CLIP SYSTEM
57: The design is for a clip system that includes a base, opposing clip pairs and bias mechanisms. The clip system can be installed on a support structure with the clips extending away from the structure, so that cover elements can be clipped onto the structure via the clip system.

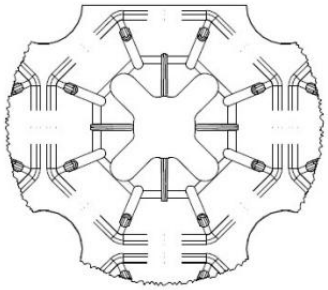


21: F2025/00709 22: 2025-06-09 23:
43: 2026-01-20
52: Class 30 24: Part F
71: SCOTT ,Lindy
54: A SET OF ANIMAL ENCLOSURES
57: The design is applied to a set of animal enclosures. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the animal enclosure, substantially as illustrated in the accompanying representation. Features of air vents (110) do not form part of the design and are disclaimed. Features of a locking mechanism (109) do not form part of the design and are also dis-claimed.

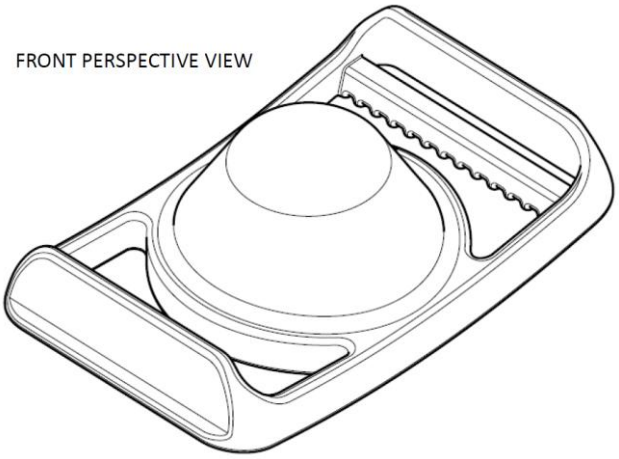


21: F2025/00767 22: 2025-06-23 23:
43: 2025-06-23

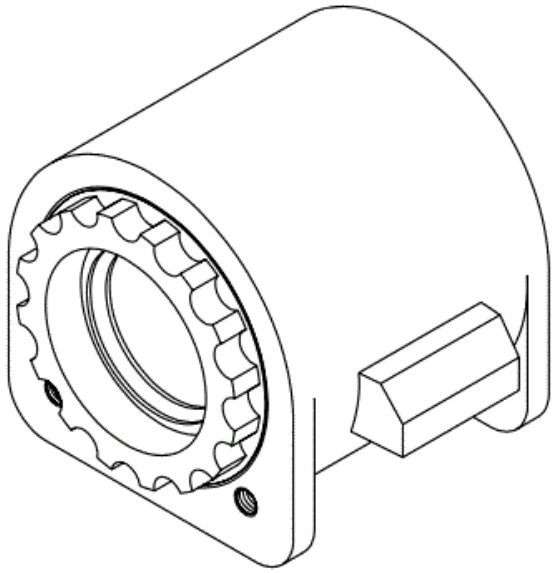
52: Class 9 24: Part F
71: Hishtil South Africa (Pty) Ltd
54: Seedling trays
57: The invention relates to a seedling or propagation tray for germination of plant seeds and propagation of seedlings. The tray includes an array of frustoconical, octagonally shaped cells. Each cell has a diverging wall and a flat base defining an internal chamber for receiving the seed and soil. An internal surface of the wall has longitudinally extending ribs and an internal surface of the base has laterally extending ribs which are angularly spaced apart, the lateral and longitudinal ribs being staggered or offset. The base defines a substantially X-shaped opening for water drainage and automated planting. The combination of the lateral and longitudinal ribs promotes axial root architecture during propagation of plants and inhibits root circling.



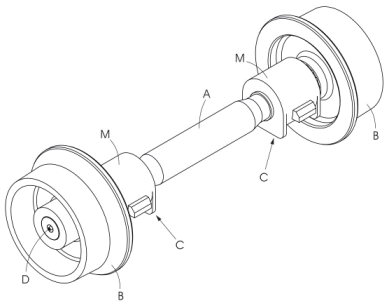
21: F2025/00978 22: 2025-08-13 23:
43: 2026-03-06
52: Class 24 24: Part F
71: Ryk Eksteen Inc
54: TRIGGER POINT DEVICE
57: The features of this design for which protection are claimed include the shape and/or configuration of a trigger point device substantially as illustrated in the accompanying representations.



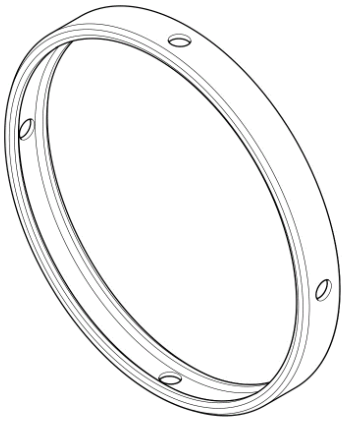
21: F2025/01403 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: AXLE BOX ASSEMBLY
57: The design relates to a Axle Box Assembly. The features of the design are those of shape and/or pattern and/or configuration.



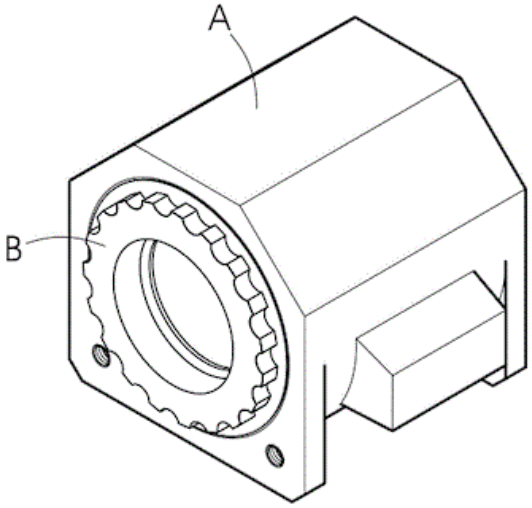
21: F2025/01404 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: WHEELSET
57: The design relates to a Wheelset. The features of the design are those of shape and/or pattern and/or configuration.



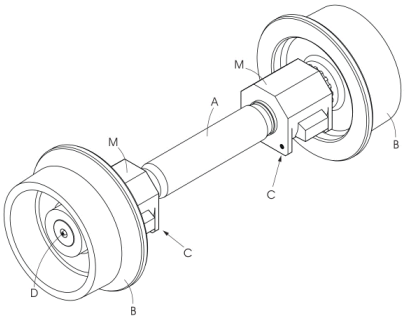
21: F2025/01405 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: SPACER
57: The design relates to a Spacer. The features of the design are those of shape and/or pattern and/or configuration.



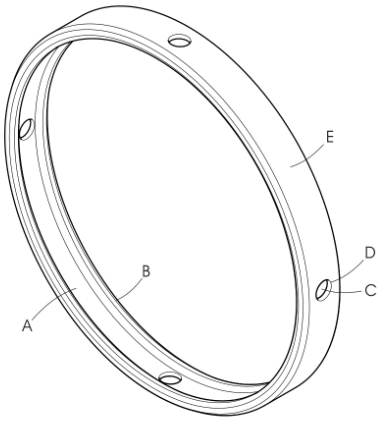
21: F2025/01406 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: AXLE BOX ASSEMBLY
57: The design relates to a Axle Box Assembly. The features of the design are those of shape and/or pattern and/or configuration.



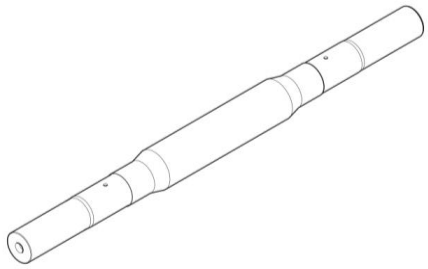
21: F2025/01407 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: WHEELSET
57: The design relates to a Wheelset. The features of the design are those of shape and/or pattern and/or configuration.



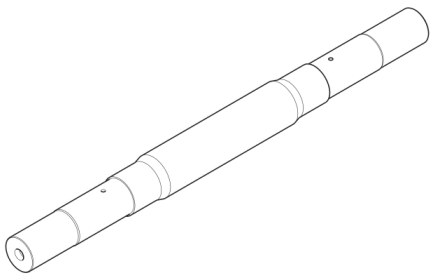
21: F2025/01408 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: SPACER
57: The design relates to a Spacer. The features of the design are those of shape and/or pattern and/or configuration.



21: F2025/01409 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: AXLE
57: The design relates to a Axle. The features of the design are those of shape and/or pattern and/or configuration.



21: F2025/01410 22: 2025-11-20 23:
43: 2026-01-26
52: Class 12 24: Part F
71: Victor Havenga Trust
54: AXLE
57: The design relates to a Axle. The features of the design are those of shape and/or pattern and/or configuration.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

21: 2026/00001. 22: 2026/02/09 43: 2026/02/09
24: 2022/01/01 to 2024/01/01; United Kingdom
25: 2025/03/19; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation 500 South Buena Vista St., Burbank, California, 91521, United States of America.
75: HIDDEN HEART PRODUCTIONS LIMITED, a United Kingdom Corporation3 Queen Caroline Street, Hammersmith, London, W6 9PE, Phone: 0124326109, Email: kagisho.manyashi@adams.africa
76: Marc Platt; Jarred LeBoff
77: Marc Webb
54: **DISNEY'S SNOW WHITE**
78: Rachel Zegler, Andrew Burnap and Gal Gadot
26: On appointment with Adams & Adams
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Musical, live-action reimagining of Walt Disney's groundbreaking animated classic. Follow Snow White's adventure as she journeys into magical woods to escape the Evil Queen and meets the beloved Bashful, Sleepy, Sneezy, Happy, Dopey, Grumpy and Doc who join her quest to restore the kingdom.

58: CA

21: 2026/00002. 22: 2026/02/09 43: 2026/02/09
24: 2021/01/01 to 2025/01/01; Emeryville, California, United States of America
25: 2025/06/18; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation 500 South Buena Vista St., Burbank, California, 91521, United States of America PIXAR, a California Corporation 1200 Park Avenue, Emeryville, California, 94608, United States of America
75: PIXAR, a California Corporation1200 Park Avenue, Emeryville, California, US, 94608, Phone: 0123946109, Email: kagisho.manyashi@adams.africa
76: Mary Alice Drumm
77: Madeline Sharafian, Domee Shi and Adrian Molina
54: **ELIO**
78: Yonas Kibreab, Zoe Saldana, Remy Edgerly, Brandon Moon, Brad Garrett, Jameela Jamil and Shirley Henderson
26: On appointment with Adams & Adams
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: In this fun-filled, action-packed cosmic misadventure, Elio, a space fanatic with an active imagination, is beamed up to an interplanetary organization with members from galaxies far and wide. Mistaken for Earth's leader, Elio must form bonds with alien lifeforms, navigate an intergalactic crisis, and discover who and where he's truly meant to be.

58: CA

21: 2026/00003. 22: 2026/02/09 43: 2026/02/09
24: 2024/01/01 to 2025/01/01; Los Angeles, California; Emeryville, California, United States of America

25: 2025/08/06; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation, 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: WALT DISNEY PICTURES, a California Corporation 500 South Buena Vista St., Burbank, California, US, 91521, Phone: 0123946109, Email: kagisho.manyashi@adams.africa;
76: Kristin Burr; Andrew Gunn; Jamie Lee Curtis
77: Nisha Ganatra
54: **FREAKIER FRIDAY**
78: Jamie Lee Curtis, Lindsay Lohan, Julia Butters, Sophia Hammons, Manny Jacinto, Maitreyi Ramakrishnan, Mark Harmon and Chad Michael Murray
26: On appointment with Adams & Adams
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Jamie Lee Curtis and Lindsay Lohan reprise their roles in this hilarious sequel. Tess's daughter Anna now has a daughter of her own and soon, a stepdaughter. As they navigate the joys and challenges when two families merge, lightning just may strike twice.

58: AC

21: 2026/00004. 22: 2026/02/09 43: 2026/02/09
24: 2023/01/01 to 2024/01/01; Hawaii
25: 2025/05/21; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation, 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: WALT DISNEY PICTURES, a California Corporation 500 South Buena Vista St., Burbank, California, US, 91521, Phone: 0123946109, Email: kagisho.manyashi@adams.africa
76: Dan Lin; Jonathan Eirich
77: Dean Fleischer Camp
54: **LILO & STITCH**
78: Maia Kealoha, Sydney Elizabeth Agudong, Zach Galifianakis, Billy Magnussen, Tia Carrere, Hannah Waddingham, Chris Sanders and Courtney B. Vance
26: On appointment with Adams & Adams
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: A funny and touching live-action reimagining of Disney's animated classic. When a lonely girl named Lilo adopts Stitch, an alien "puppy," Stitch helps to mend Lilo's broken family — but not without wreaking hilarious havoc on the Hawaiian Islands.

58: AC

21: 2026/00005. 22: 2026/02/09 43: 2026/02/09
24: 2024/01/01 to 2024/01/01; Vancouver, Canada; Mexico City, Mexico and Los Angeles, California, United States of America
25: 2025/10/08; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation, 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: SCION PRODUCTIONS, INC., a California Corporation 500 South Buena Vista St., Burbank, California, US, 91521, Phone: 0123946109, Email: kagisho.manyashi@adams.africa
76: Sean Bailey; Jeffrey Silver; Justin Springer; Jared Leto; Emma Ludbrook; Steven Lisberger
77: Joachim Ronning
54: **TRON: ARES**
78: Jared Leto, Greta Lee, Evan Peters, Jodie Turner-Smith, Hasan Minhaj, Arturo Castro, Jeff Bridges and Gillian Anderson
26: On appointment with Adams & Adams
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Get ready for the electrifying action and adventure of "Tron: Ares." When a highly sophisticated Program named Ares is sent from the digital world into the real world on a dangerous mission, it marks humankind's first encounter with A.I. beings. Warning: Some flashing-lights scenes in this film may affect photosensitive viewers.

58: AC

21: 2026/00006. 22: 2026/02/10 43: 2026/02/10
24: 2022/04/01 to 2022/06/01; Bulgaria
25: 2024/05/31; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation, 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: DOG PADDLE PRODUCTIONS LIMITED, a UK corporation 3 Queen Caroline Street, London, GB, W6 9PE, Phone: 0124326109, Email: kagisho.manyashi@adams.africa
76: Jerry Bruckheimer; Chad Oman; Jeff Nathanson
77: Joachim Ronning
54: **YOUNG WOMAN AND THE SEA**
78: Daisy Ridley, Christopher Eccleston, Glenn Fleshler and Jeanette Hain
26: On appointment with Adams & Adams
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Young Woman and the Sea tells the story of Gertrude Ederle, an American swimming champion, who first a gold medal at the 1924 Olympic Games. In 1926, Ederle became the first woman to swim 21 miles across the English Channel. Based on the book by Glenn Stout.

58: AC

21: 2026/00007. 22: 2026/02/10 43: 2026/02/10
24: 2024/01/01 to 2025/01/01; Burbank, California, United States of America and Vancouver, Canada
25: 2024/05/31; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation, 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: WALT DISNEY PICTURES, a California Corporation 500 South Buena Vista St., Burbank, California, US, 91521, Phone: 0123946109, Email: kagisho.manyashi@adams.africa
76: Yvett Merino
77: Jared Bush; Byron Howard
54: **ZOOTOPIA 2**
78: Ginnifer Goodwin, Jason Bateman, Ke Huy Quan, Fortune Feimster, Andy Samberg, David Strathairn and Idris Elba
26: On appointment with Adams & Adams
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Rookie cops Judy Hopps and Nick Wilde find themselves on the twisting trail of a great mystery when Gary De'Snake arrives in Zootopia and turns the animal metropolis upside down. To crack the case, Judy and Nick must go undercover to unexpected new parts of town, where their growing partnership is tested like never before.

58: CA

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

5. CORRECTION NOTICES

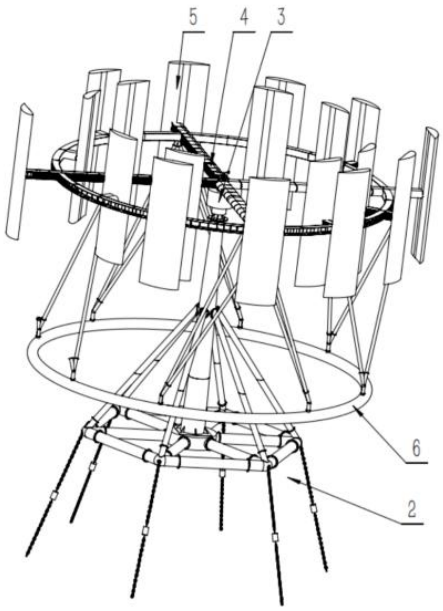
TRADE MARK CORRECTION NOTICES

No records available

PATENT CORRECTION NOTICES

The patent application number **2025/04839** was advertised in the February 2026 journal with incorrect publication drawing and it should have appeared as the one below however the publication date will remain the **25/02/2026.**

21: 2025/04839. 22: 2025/06/06. 43: 2026/02/04
51: F03D
71: Shaanxi Kerlimar Engineers Co., Ltd.
72: SUN, Ming
54: OFFSHORE FLOATING WIND POWER GENERATION EQUIPMENT
The invention belongs to the technical field of wind power generation, Offshore Floating Wind Power Generation Equipment, comprise the floating wind power generation main structure and a control system. Based on the system, the invention also discloses an adaptive regulation and control method for floating type wind power generation equipment, which can carry out an adaptive air-jet boosting scheme through a control device when the wind force on the sea is small. Also can carry out an adaptive leveling strategy through the control device when the power generation equipment is inclined. The present invention, by applying a reverse pull to the rising end of a floating bottom by an anchor chain, can offset the wave thrust, achieve a bottom reposition and smooth state at the horizontal level, and avoid intermittent power generation in breeze weather by means of high pressure jet propulsion.



DESIGNS CORRECTION NOTICES

No records available

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for March 2026

Number of Advertised Patents: 981

2011/04555	PHARMACEUTICAL COMPOSITION COMPRISING LINAGLIPTIN AND OPTICALLY A SGLT2 INHIBITOR,AND USES THEREOF	2011/06/21
2011/04696	SGLT-2 INHIBITOR FOR TREATING TYPE 1 DIABETES MELLITUS,TYPE 2 DIABETES MELLITUS,IMPAIRED GLUCOSE TOLERANCE OR HYPERGLYCEMIA	2011/06/24
2014/03442	WEAR ASSEMBLY	2014/05/13
2016/01148	DIAMINOPYRIMIDINE P2X3 AND P2X 2/3 RECEPTOR MODULATORS FOR TREATMENT OF ACUTE, SUB-ACUTE OR CHRONIC COUGH	2016/02/19
2016/06114	CUTTING ELEMENTS HAVING NON-PLANAR SURFACES AND DOWNHOLE CUTTING TOOLS USING SUCH CUTTING ELEMENTS	2016/09/02
2016/07489	COMBINATION COMPRISING A GLUCOCORTICOID AND EDO-S101	2016/10/31
2017/00872	ANTI-CD123 CHIMERIC ANTIGEN RECEPTOR (CAR) FOR USE IN CANCER TREATMENT	2017/02/03
2017/03438	ANTI-PD-1 ANTIBODIES AND METHODS OF USE THEREOF	2017/05/18
2017/04103	PHARMACEUTICAL COMPOSITION, PREPARATION AND USES THEREOF	2017/06/15
2017/04945	NOVEL ELECTRODEPOSITION SYSTEM	2017/07/20
2017/06064	MONITORING GROUND-ENGAGING PRODUCTS FOR EARTH WORKING EQUIPMENT	2017/09/06
2017/06469	DERIVING MOTION INFORMATION FOR SUB-BLOCKS IN VIDEO CODING	2017/09/26
2017/06676	ANIMAL FEED COMPOSITIONS AND METHODS OF USE	2017/10/04
2017/08703	EXTENDED RELEASE PHARMACEUTICAL COMPOSITIONS OF LEVETIRACETAM	2017/12/20
2018/00830	ANTIBODIES AND ASSAYS FOR DETECTION OF CD37	2018/02/08
2018/01645	LIVE CONDUCTOR STRINGING, MAINTENANCE AND REPAIR METHOD	2018/03/09
2018/01672	LINEAR ACTUATOR WITH ROTARY POSITIONAL OUTPUT	2018/03/12
2018/01860	MOBILE SHAFT WINCH	2018/03/20
2018/02867	BIPARATOPIC POLYPEPTIDES ANTAGONIZING WNT SIGNALING IN TUMOR CELLS	2018/05/02
2018/03678	PHARMACEUTICAL COMPOSITION	2018/06/01
2018/03750	PET FOOD COMPOSITIONS	2018/06/06
2018/04099	N-SUBSTITUTED INDOLE DERIVATIVES AS PGE2 RECEPTOR MODULATORS	2018/06/19
2018/05484	PROCESS FOR DRYING A SUSPENSION AT ROOM TEMPERATURE	2018/08/16
2018/05641	FLEXIBLE DISPLAY FOR AN AEROSOL DELIVERY DEVICE	2018/08/23
2018/07293	INGREDIENT FOR FOODSTUFFS	2018/10/31
2018/07363	FIRE-STOPPING PRODUCT	2018/11/02
2018/07816	ANTI-IL-22R ANTIBODIES	2018/11/20
2018/08120	APPARATUS FOR DEVELOPING AND/OR TRAINING BALL SKILLS	2018/11/30
2019/01138	A HYDROCYCLONE	2019/02/22
2019/01140	HYDROCYCLONE OVERFLOW OUTLET CONTROL DEVICE	2019/02/22
2019/01398	THERMAL INJECTION SYSTEM AND METHOD OF USE	2019/03/06
2019/01459	CIRCUIT BREAKER	2019/03/08
2019/01630	ANTI-CD27 ANTIBODIES	2019/03/15
2019/01782	ANTI-CTLA4 AND ANTI-PD-1 BIFUNCTIONAL ANTIBODY, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF	2019/03/22

2019/01783	PIN ASSEMBLY	2019/03/22
2019/02617	INJECTABLE COMPOSITION FOR LOCALIZED FAT REDUCTION WITHOUT PAIN, EDEMA, AND SIDE EFFECTS, AND METHOD FOR PREPARING SAME	2019/04/25
2019/02959	DIRECT COUPLING COMPATIBLE SPRINKLER	2019/05/10
2019/03198	MOLECULARLY IMPRINTED POLYMER BEADS FOR EXTRACTION OF LITHIUM, MERCURY, AND SCANDIUM	2019/05/21
2019/03377	PET FOOD COMPOSITIONS	2019/05/28
2019/03871	CRC BITS FOR JOINT DECODING AND VERIFICATION OF CONTROL INFORMATION USING POLAR CODES	2019/06/14
2019/04079	METHOD FOR PRODUCING POROUS MOLDED BODY, METHOD FOR PRODUCING CATALYST FOR a-OLEFIN DIMERIZATION, METHOD FOR PRODUCING a-OLEFIN DIMER, POROUS MOLDED BODY, AND CATALYST FOR a-OLEFIN DIMERIZATION	2019/06/24
2019/04613	METHODS FOR THE USE OF GALECTIN 3 BINDING PROTEIN DETECTED IN THE URINE FOR MONITORING THE SEVERITY AND PROGRESSION OF LUPUS NEPHRITIS	2019/07/15
2019/04894	BROADCAST CHANNEL ENCODING AND DECODING	2019/07/25
2019/04980	FC-OPTIMIZED ANTI-CD25 FOR TUMOUR SPECIFIC CELL DEPLETION	2019/07/29
2019/05272	A LIQUID COMPOSITION AND PROCESS THEREOF	2019/08/08
2019/06106	PLANT EXTRACTS ENRICHED WITH IPOLAMIIDE DERIVATIVES AS IMMUNOSUPPRESSANTS FOR TREATING IMMUNOLOGICAL DISORDERS	2019/09/16
2019/06159	ANTI-N3pGlu AMYLOID BETA PEPTIDE ANTIBODIES AND USES THEREOF	2019/09/18
2019/06927	A SOLID FEED COMBINATION COMPOSITION FOR RUMINANT CALVES	2019/10/21
2019/06947	BICYCLIC COMPOUNDS AND THEIR USE IN THE TREATMENT OF CANCER	2019/10/22
2019/07444	METHOD FOR NON-INVASIVE MONITORING OF FLUORESCENT TRACER AGENT WITH BACKGROUND SEPARATION CORRECTIONS	2019/11/11
2019/07485	COMBINATION COMPRISING A PPAR AGONIST SUCH AS ELAFIBRANOR AND AN ACETYL-COA CARBOXYLASE (ACC) INHIBITOR	2019/11/12
2019/07840	ROOF MESH INSTALLATION APPARATUS	2019/11/26
2019/08097	RECIRCULATING FLUID HEATING SYSTEMS	2019/12/05
2019/08473	SAFENER CONTAINING HERBICIDAL OIL DISPERSION	2019/12/19
2020/02617	METHODS AND COMPOSITIONS FOR PPO HERBICIDE TOLERANCE	2020/05/11
2020/03176	COMPOUNDS USEFUL AS KINASE INHIBITORS	2020/05/28
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2020/03576	COLLISION EVALUATION	2020/06/15
2020/03619	PIPE GROOVING DEVICE	2020/06/17
2020/03799	IMAGING SYSTEM FOR COUNTING AND SIZING PARTICLES IN FLUID-FILLED VESSELS	2020/06/23
2020/04113	VAPOUR PROVISION APPARATUS AND SYSTEMS	2020/07/06
2020/04573	BIOINK COMPOSITION FOR DERMIS REGENERATION SHEET, METHOD FOR MANUFACTURING CUSTOMIZED DERMIS REGENERATION SHEET USING SAME, AND CUSTOMIZED DERMIS REGENERATION SHEET MANUFACTURED USING MANUFACTURING METHOD	2020/07/23
2020/05254	BIOLOGICAL FLUID COLLECTION DEVICE AND COLLECTION MODULE	2020/08/24
2020/06319	FLUID HEATER WITH FINITE ELEMENT CONTROL	2020/10/12
2020/06379	PREPARATIVE PROCESS OF TWO 4-{[(2S)-2-{4-[5-CHLORO-2-(1H-1,2,3-TRIAZOL-1-YL)PHENYL]-5-METHOXY-2-OXOPYRIDIN-1(2H)-YL}BUTANOYL]AMINO}-2-FLUOROBENZAMIDE DERIVATIVES	2020/10/14
2020/06508	A PHOTOVOLTAIC DEVICE	2020/10/20

2020/06714	CD73 INHIBITORS	2020/10/28
2020/06728	VIDEO CODING METHOD AND APPARATUS	2020/10/28
2020/06970	CYCLOPENTANE COMPOUNDS	2020/11/09
2020/06971	TRIAZOLOPYRIMIDINE COMPOUNDS AND THEIR USE IN TREATING CANCER	2020/11/09
2020/07288	A SENSOR AND A SENSOR NETWORK FOR MONITORING UTILITY POLES	2020/11/23
2020/07717	NICOTINE FORMULATION	2020/12/10
2020/07814	INCONTINENCE ARTICLE IN THE FORM OF PANTIES	2020/12/15
2020/07831	BICYCLIC HETEROARYL DERIVATIVES	2020/12/15
2020/07936	ANTI-CD3 ANTIBODIES AND USES THEREOF	2020/12/18
2021/00374	LENGTHWISE SECTION, FLEXIBLE DRILL ROD AND METHOD	2021/01/19
2021/00521	AGROCHEMICAL COMPOSITION AND METHODS OF PREPARING AND USING THE SAME	2021/01/25
2021/00545	BRAKE CONTROL SYSTEM	2021/01/26
2021/00721	ANTI-MESOTHELIN ANTIBODIES	2021/02/02
2021/00977	CHEWING GUM COMPRISING NICOTINE	2021/02/12
2021/01271	FLUID CONTROL ASSEMBLY AND SYSTEM	2021/02/25
2021/01875	ANALYTE QUANTITATION	2021/03/19
2021/01941	ORAL CARE COMPOSITIONS AND METHODS FOR THE SAME	2021/03/23
2021/02217	EXECUTING FUNCTIONS ON-DEMAND ON A SERVER UTILIZING WEB BROWSERS	2021/04/01
2021/02760	DOWN-THE-HOLE HAMMER DRILL BIT ASSEMBLY	2021/04/23
2021/03070	CHANNEL ACCESS MECHANISM FOR RANDOM ACCESS CHANNEL IN UNLICENSED SPECTRUM	2021/05/06
2021/03173	SUBSTITUTED 6-AZABENZIMIDAZOLE COMPOUNDS AS HPK1 INHIBITORS	2021/05/11
2021/03388	MICROBIOCIDAL THIAZOLE DERIVATIVES	2021/05/19
2021/03438	HEAVY MACHINERY LIFTING APPARATUS, HEAVY MACHINERY LIFTING ASSEMBLY AND METHOD FOR ASSEMBLING A LIFT FOR HEAVY MACHINERY	2021/05/20
2021/03515	THERMALLY TREATED COMPOSITION COMPRISING PLANT PROTEINS AND METHODS OF PRODUCTION AND USE THEREOF	2021/05/24
2021/03820	CAPSULE FORMULATIONS	2021/06/03
2021/03861	3,3-DIFLUOROALLYLAMINES OR SALTS THEREOF AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME	2021/06/04
2021/03895	RESPIRABLE POLYNUCLEOTIDE POWDER FORMULATIONS FOR INHALATION	2021/06/07
2021/04068	METHODS AND INSTALLATIONS FOR PRODUCING A BIAXIALLY ORIENTED TUBE FROM THERMOPLASTIC MATERIAL	2021/06/14
2021/04287	NOVEL FUSION PROTEINS SPECIFIC FOR CD137 AND GPC3	2021/06/22
2021/04459	ORAL DISPERSIBLE VACCINE COMPRISING VIROSOMES	2021/06/28
2021/04507	CANNABINOID CHEWING GUM WITH SUGAR ALCOHOLS	2021/06/29
2021/04958	METHOD FOR PRODUCING A LIGNOSULFONATE POLYMER	2021/07/14
2021/05171	SEARCH REGION FOR MOTION VECTOR REFINEMENT	2021/07/22
2021/05273	METHOD FOR VERIFYING THE IDENTITY OF A USER BY IDENTIFYING AN OBJECT WITHIN AN IMAGE THAT HAS A BIOMETRIC CHARACTERISTIC OF THE USER AND SEPARATING A PORTION OF THE IMAGE COMPRISING THE BIOMETRIC CHARACTERISTIC FROM OTHER PORTIONS OF THE IMAGE	2021/07/26
2021/05639	COMPOSITE MICROCAPSULES	2021/08/10
2021/05790	LIVE ATTENUATED INFLUENZA VACCINE COMPOSITION AND PROCESS FOR PREPARATION THEREOF	2021/08/13

2021/06205	ANILINE-BASED WDR5 PROTEIN-PROTEIN INTERACTION INHIBITOR, METHOD FOR PREPARING THE SAME, AND USE THEREOF	2021/08/26
2021/06510	A GLUTATHIONE-RICH YEAST AND ITS USE FOR PRESERVING WINES	2021/09/06
2021/06815	CRYSTALLINE PYRIMIDINYL-3,8-DIAZABICYCLO[3.2.1]OCTANYLMETHANONE COMPOUND AND USE THEREOF	2021/09/14
2021/06873	SUSPENSION ASSEMBLY	2021/09/17
2021/06974	SWITCHING ARRANGEMENT	2021/09/20
2021/07116	CONTAINMENT SHELL SIMULATION TEST APPARATUS	2021/09/23
2021/07224	PUMP AND ASSOCIATED SYSTEM AND METHODS	2021/09/27
2021/07332	ESTABLISHING A PROTOCOL DATA UNIT SESSION	2021/09/29
2021/07383	METHOD AND APPARATUS FOR RECONDITIONING KIDNEYS	2021/09/30
2021/07643	ANTI-VEGF PROTEIN COMPOSITIONS AND METHODS FOR PRODUCING THE SAME	2021/10/11
2021/07763	SYSTEM AND METHOD FOR DETECTING GLASS CERAMIC	2021/10/13
2021/07936	FXR SMALL MOLECULE AGONIST AND PREPARATION METHOD THEREFOR AND USE THEREOF	2021/10/18
2021/08533	PHARMACEUTICALLY ACCEPTABLE SALTS OF [2-(3-FLUORO-5-METHANE-SULFONYLPHENOXY)ETHYL](PROPYL)AMINE AND USES THEREOF	2021/11/02
2021/08674	MEDICAL PACKAGING IN THE FORM OF AN INFUSION BAG AND METHOD FOR TRANSFERRING LIQUID FROM A VIAL TO AN INFUSION BAG	2021/11/05
2021/08677	METHOD OF TREATING TUMOURS	2021/11/05
2021/09186	METHOD AND DEVICE FOR REGENERATING A SOLVENT OF CELLULOSE FROM A SPINNING PROCESS	2021/11/17
2021/09586	EXPANDABLE SHEATH FOR INTRODUCING AN ENDOVASCULAR DELIVERY DEVICE INTO A BODY	2021/11/25
2021/09721	SOLID FORM OF DIAMINOPYRIMIDINE COMPOUND OR HYDRATE THEREOF, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF	2021/11/29
2021/09792	METHODS OF TREATING BILE ACID DIARRHEA	2021/11/30
2021/09980	IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS	2021/12/03
2021/10740	ASSEMBLY DEVICE AND METHOD FOR ASSEMBLING COMPONENTS	2021/12/21
2022/01021	A FORMULATION OF A CONJUGATE OF A TUBULYSIN ANALOG TO A CELL-BINDING MOLECULE	2022/01/21
2022/01652	ERBB RECEPTOR INHIBITORS	2022/02/08
2022/02242	ISOLATED MODIFIED VP1 CAPSID PROTEIN OF AAV5	2022/02/22
2022/03574	METHOD AND APPARATUS FOR CHROMINANCE QUANTIZATION PARAMETERS SIGNALLING	2022/03/28
2022/03868	WATERLESS TOILET	2022/04/05
2022/03928	USER PLANE INTEGRITY PROTECTION (UP IP) CAPABILITY SIGNALING IN 5G/4G SYSTEMS	2022/04/06
2022/04030	PROCESS FOR RECOVERY OF PROPYLENE FROM PROPANE DEHYDROGENATION PROCESS	2022/04/08
2022/04737	COSMETIC PREPARATION CONTAINING ANISIC ACID AND LEVULINIC ACID, HAVING SELECTIVE ANTIMICROBIAL EFFECT	2022/04/28
2022/04956	CONTRACEPTIVE MEDICAL DEVICES	2022/05/05
2022/05342	ENGINE-GENERATOR SET	2022/05/13
2022/05374	METHODS OF TREATMENT WITH CYP3A4 SUBSTRATE DRUGS	2022/05/16
2022/05602	WASTE DESTRUCTION DEVICE FOR SHARPS, NEEDLES AND SOLID WASTE	2022/05/20
2022/07004	NOVEL COMPOUNDS AND THEIR USE	2022/06/23
2022/08048	METHOD OF REMOTE ACCESS	2022/07/19

2022/08334	AN AQUEOUS INSECTICIDAL COMPOSITION AND METHODS OF USE THEREOF	2022/07/26
2022/08675	CORE-SHEATH COMPOSITE FIBER FOR ARTIFICIAL HAIR, HEADWEAR PRODUCT INCLUDING SAME, AND PRODUCTION METHOD FOR SAME	2022/08/03
2022/09116	ARYLAMIDE DERIVATIVE HAVING ANTITUMOR ACTIVITY	2022/08/15
2022/09849	PRESSURE VESSEL FOR USE IN A BEVERAGE DISPENSING ASSEMBLY	2022/09/02
2022/09991	PROCESS FOR THE REMOVAL OF HEAVY METALS FROM A PHOSPHORIC ACID CONTAINING COMPOSITION USING A FLOCCULATING AGENT	2022/09/07
2022/10725	EZRIN PEPTIDE 1 FOR USE IN A METHOD OF TREATING COVID-19	2022/09/28
2022/10858	AUTOMATED APPARATUS AND METHOD FOR OBJECT FACETING	2022/09/30
2022/11387	LONG ACTING PEPTIDE TYROSINE TYROSINE (PYY) ANALOGS AND METHODS OF USE	2022/10/18
2022/11943	URCHIN CULLING MECHANISM AND ATTRACTANT METHOD	2022/11/02
2022/12561	PROSTHETIC REPAIR FABRIC	2022/11/17
2022/12705	IMMUNOMODULATORY COMPLEX AND USES THEREOF FOR THERAPY	2022/11/22
2022/12891	ANTI-PD-1 ANTIBODIES FOR TREATMENT OF LUNG CANCER	2022/11/28
2022/13167	ADMINISTRATION OF CEBP-BETA ANTAGONIST AND METHODS OF USE	2022/12/05
2022/13314	VECTOR	2022/12/08
2022/13315	RESOURCE SCHEDULING SYSTEM FOR A WIRELESS COMMUNICATION NETWORK	2022/12/08
2022/13362	MICROARRAYS, HYBRIDIZATION SEALS, AND RELATED METHODS	2022/12/09
2022/13366	NUCLEIC ACID CAPTURE, CONCENTRATION, AND PURIFICATION	2022/12/09
2022/13368	METHODS FOR MAKING FLOW CELLS	2022/12/09
2023/00385	BONE NAIL DEVICE	2023/01/09
2023/00536	PRODRUGS OF PHOSPHONAMIDE NUCLEOTIDE ANALOGUES AND THEIR PHARMACEUTICAL USE	2023/01/12
2023/01353	COMPOSITION COMPRISING AN ALKALI METAL CARBONATE, CALCIUM HYDROXIDE AND SODIUM OR POTASSIUM METASILICATE, IN PARTICULAR AMOUNTS	2023/02/02
2023/02060	METHODS FOR PROMOTING PLANT HEALTH USING FREE ENZYMES AND MICROORGANISMS THAT OVEREXPRESS ENZYMES	2023/02/20
2023/02393	2-(3-PYRIDIN-2-YL-4-QUINOLIN-4-YL-PYRAZOL-1-YL)-ACETAMIDE DERIVATIVES AS INHIBITORS OF TRANSFORMING GROWTH FACTOR-BETA RECEPTOR I/ALK5	2023/02/23
2023/05434	DEVICES, SYSTEMS, AND METHODS FOR ADJUSTING THE OUTPUT OF A REACTOR CORE	2023/05/18
2023/06129	INCONTINENCE ARTICLE WITH CHANNEL AND PH REGULATOR	2023/06/09
2023/06182	SYSTEMS AND METHODS FOR WIRELESS REMOTE CONTROL OF AUTOMATED EQUIPMENT	2023/06/12
2023/06290	LONG ACTING GLUCAGON LIKE POLYPEPTIDE-1 (GLP-1) RECEPTOR AGONISTS AND METHODS OF USE	2023/06/15
2023/06678	COMPOSITIONS AND METHODS FOR THE TREATMENT OF METABOLIC AND LIVER DISORDERS	2023/06/29
2023/06972	TRIGGER DISPENSING DEVICE WITH MEANS TO AVOID THE LOSS OF PRODUCT	2023/07/10
2023/07673	BETULIN-CONTAINING BIRCH BARK EXTRACTS AND THEIR FORMULATION	2023/08/03
2023/07940	CONJUGATES OF AN IL-2 MOIETY AND A POLYMER	2023/08/16
2023/07984	METHOD OF INACTIVATING A VIRUS USING A GLUTARALDEHYDE CONTAINING COMPOSITION	2023/08/17

2023/08122	MIXTURE OF HMOS AND BIFIDOBACTERIA	2023/08/22
2023/08166	CYCLOBUTRIFLURAM SUSPENSION CONCENTRATE COMPOSITION	2023/08/23
2023/08234	SMART REPEATER SYSTEMS	2023/08/25
2023/08379	A SOLAR CELL COMPRISING A PLURALITY OF POROUS LAYERS AND CHARGE CONDUCTING MEDIUM PENETRATING THE POROUS LAYERS	2023/08/30
2023/08422	LID ELEMENT AND CLOSURE ASSEMBLY FOR A BEVERAGE CONTAINER	2023/08/31
2023/08545	TASTE-MASKING COMPOUNDS AND COMPOSITIONS AND USES THEREOF	2023/09/05
2023/08585	WATER QUALITY MEASUREMENT AND CONTROL SYSTEM	2023/09/06
2023/08643	HYDROXYHETEROCYCLOALKANE-CARBAMOYL DERIVATIVES	2023/09/08
2023/08789	A RECYCLABLE CARDBOARD PACKAGING MATERIAL COMPRISING A METALLIZED BARRIER LAYER APPLIED BY TRANSFER METALLIZATION	2023/09/15
2023/08790	A RECYCLABLE PAPER-BASED LAMINATE AND A BEVERAGE CARTON MADE THEREFROM	2023/09/15
2023/08791	A RECYCLABLE PAPER-BASED LAMINATE AND A BEVERAGE CARTON MADE THEREFROM	2023/09/15
2023/08863	FRAGRANCE COMPOSITION	2023/09/19
2023/08910	LINERBOLT REMOVAL TOOL IMPROVEMENTS	2023/09/20
2023/08997	REMOTE AUTHORISATION	2023/09/22
2023/08998	COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR SCHEDULING PET WELLNESS	2023/09/22
2023/09105	REACTOR CORE SYSTEM AND GAS-COOLED MICRO REACTOR	2023/09/27
2023/09355	CRYSTALLINE FORMS OF (4S)-24-CHLORO-4-ETHYL-7³-FLUORO-35-METHOXY-3²,5-DIOXO-14-(TRIFLUOROMETHYL)-3²H-6-AZA-3(4,1)-PYRIDINA-1(1)-[1,2,3]TRIAZOLA-2(1,2),7(1)-5 DIBENZENAHEPTAPHANE-74-CARBOXAMIDE	2023/10/06
2023/09362	REDUCED-HEADSPACE DIGESTER	2023/10/06
2023/09430	IMMUNOMODULATORY MOLECULES AND USES THEREOF	2023/10/09
2023/09544	VEHICLE ARMOUR	2023/10/12
2023/09719	MINE HOIST MONITORING SYSTEM	2023/10/18
2023/09763	POLYPROPYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME	2023/10/19
2023/09808	POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME	2023/10/20
2023/09809	POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME	2023/10/20
2023/09810	POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME	2023/10/20
2023/09862	METHODS AND SYSTEMS FOR THE EXTRACTION OF CANNABINOIDS	2023/10/23
2023/10443	FLUID FLOW THROTTLE VALVE	2023/11/09
2023/10494	PRISTINAMYCIN IA AND FLOPRISTIN COMBINATIONS IN TREATING OR PREVENTING BACTERIAL INFECTIONS	2023/11/10
2023/10716	COMPOUNDS FOR USE IN THE TREATMENT OF HYPERPROLIFERATIVE DISORDERS	2023/11/20
2023/10766	KL1333 FOR USE IN MEDICINE	2023/11/21
2023/10832	CRYSTALLINE FORM OF TRICYCLIC DERIVATIVE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME	2023/11/23
2023/10878	FOLDABLE ELECTRONIC DEVICE	2023/11/24
2023/10935	SYSTEM AND METHOD FOR DETERMINING A BEAM STATE OF A DOWNLINK SIGNAL IN A LINK RECOVERY PROCEDURE	2023/11/27

2023/10943	MANAGEMENT OF INTER-CELL BEAM COMMUNICATIONS	2023/11/27
2023/11022	METHOD FOR PREPARING LACTONES HAVING AT LEAST ONE GROUP SELECTED FROM CARBOXYL, CARBOALKOXY, HYDROXY AND CARBOXYLATE	2023/11/29
2023/11038	METHODS AND CONSTRUCTS FOR LOCATING AND PROFILING SINGLE CELLS IN A BIOLOGICAL SAMPLE	2023/11/29
2023/11086	ORAL COMPLEX TABLET COMPRISING SITAGLIPTIN, DAPAGLIFLOZIN, AND METFORMIN	2023/11/30
2023/11170	RAS INHIBITORS FOR THE TREATMENT OF CANCER	2023/12/04
2023/11209	CONTINUOUS STRETCH BLOW MOULDING SYSTEM APPLIED TO SPECIFIED INTEGRAL HANDLE PET PREFORM AND CONTAINER STRUCTURES	2023/12/05
2023/11240	USER EQUIPMENT, SCHEDULING NODE, METHOD FOR USER EQUIPMENT, AND METHOD FOR SCHEDULING NODE	2023/12/06
2023/11298	SYSTEMS, METHODS, AND NON-TRANSITORY PROCESSOR-READABLE MEDIA FOR DETERMINING PRECODING INFORMATION FOR UPLINK TRANSMISSIONS	2023/12/07
2023/11312	COMPOSITION COMPRISING ANTISENSE OLIGONUCLEOTIDE AND USE THEREOF FOR TREATMENT OF DUCHENNE MUSCULAR DYSTROPHY	2023/12/08
2023/11327	NATURAL FINING AGENT FOR BEVERAGES	2023/12/08
2023/11460	USE OF THERAPEUTIC COMPOSITIONS FOR THE TREATMENT OF PATIENTS WITH TUMOURS OF EPITHELIAL ORIGIN	2023/12/13
2023/11471	SUSPENSION ASSEMBLY	2023/12/13
2023/11689	RECYCLABLE PAPER PACKAGING LAMINATE HAVING A THIN BARRIER FILM AND GOOD TEAR-OPEN PROPERTIES	2023/12/20
2024/00216	SHARK REPELLENT SYSTEM	2024/01/05
2024/00677	A PROCESS FOR PREPARATION OF ISOXAZOLE COMPOUND	2024/01/19
2024/00728	COMPOSITIONS	2024/01/22
2024/01501	SURFACE-ACTIVE AGENT	2024/02/20
2024/01638	MULTILAYER NONWOVEN STRUCTURE	2024/02/26
2024/02590	FORMULATIONS OF POLYALKYLENE OXIDE-ASPARAGINASE AND METHODS OF MAKING AND USING THE SAME	2024/04/03
2024/03429	COMPOSITIONS	2024/05/03
2024/03475	A COOLING SYSTEM FOR A MOTOR	2024/05/07
2024/03818	COMMUNICATION DEVICE AND METHOD THEREIN FOR FACILITATING IKE COMMUNICATIONS	2024/05/16
2024/03838	A BELT CLEANER	2024/05/17
2024/03981	HYDROGEN GENERATION DEVICE	2024/05/22
2024/04219	ENCODING DEVICE, DECODING DEVICE, ENCODING METHOD, AND DECODING METHOD	2024/05/30
2024/04556	TEMPERATURE CONTROL FOR A ROTARY HEAD EXTRUDER	2024/06/12
2024/04765	COMPOSITIONS AND METHODS FOR TREATING NEUROPSYCHIATRIC DISORDERS	2024/06/19
2024/04929	PRINTING APPARATUS AND ADDITIVE MANUFACTURING METHOD COMPRISING AUTOMATIC POSITION CALIBRATION	2024/06/24
2024/05234	A MIXTURE OF UREA, BIURET AND NITRATE AS A DIETARY NON-PROTEIN NITROGEN-SOURCE FOR RUMINANTS AND USES THEREOF	2024/07/04
2024/05657	A NICOTINE DELIVERY DEVICE	2024/07/22
2024/05782	ANTIBODIES, USES & METHODS	2024/07/26
2024/06230	A SOLID CLEANSING COMPOSITION	2024/08/14
2024/06311	PUMPING SYSTEM	2024/08/16
2024/06449	PHARMACEUTICAL COMPOSITION OF ANTI-TRBV9 ANTIBODY AND USE THEREOF	2024/08/22

2024/06468	INITIATOR DEVICE	2024/08/23
2024/06692	CONVEYOR GAP BLOCKER	2024/08/29
2024/06736	CASCADED NUCLEIC ACID PROTOCOLS FOR ULTRA-SPECIFIC MOLECULAR DETECTION, TRANSDUCTION, AND AMPLIFICATION	2024/08/30
2024/07000	METHOD FOR OBTAINING FIRING PASTES IN AN ACOUSTIC RESONANCE MIXER	2024/09/11
2024/07029	MONITORING DEVICE	2024/09/12
2024/07058	METHOD FOR PRODUCING HALOAMINES AND HALOAMINE SOLUTIONS	2024/09/13
2024/07115	ROCK BOLT	2024/09/17
2024/07168	SEED ORIENTATION SYSTEM FOR AGRICULTURAL PLANTERS	2024/09/19
2024/07394	CONVEYOR TRANSFER GUARDS	2024/09/27
2024/07399	ALKALINE INTRAORAL FORMULATIONS	2024/09/27
2024/07677	ANAEROBIC BLOOD STORAGE CONTAINERS	2024/10/10
2024/07922	RECONFIGURATION OF DIESEL-POWERED HAUL TRUCK WITH HYBRID HYDROGEN FUEL CELL AND BATTERY POWER SUPPLY	2024/10/18
2024/08071	ARTICLES OF MANUFACTURE RELATING TO IC MODULES AND SMART CARDS	2024/10/25
2024/08100	CYCLONE SEPARATOR ARRANGEMENT	2024/10/28
2024/08151	AN AUTOMATED VEHICLE WASHING SYSTEM AND METHOD THEREOF	2024/10/29
2024/08157	USER INTERFACE FOR VIEWING OPTIC WITH WIND DIRECTION CAPTURE	2024/10/29
2024/08782	RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING	2024/11/19
2024/08823	PEST DETECTION SYSTEMS AND METHODS	2024/11/20
2024/08864	PROCESS FOR TREATMENT OF MINE CONTACT WATER	2024/11/21
2024/08867	SYSTEMS AND METHODS FOR APPLYING LABELS TO FOOD PRODUCTS	2024/11/21
2024/08868	REDUCED PALM KERNEL RELIANT WASH COMPOSITION	2024/11/21
2024/08869	DIRECT ELECTROCHEMICAL EXTRACTION OF LITHIUM FROM ORES	2024/11/21
2024/08870	(R)-2-[(2H-1,3-BENZODIOXOL-5-YL)METHYL]PYRROLIDINE AND PROCESSES FOR PREPARATION, COMPOSITIONS AND USES THEREOF	2024/11/21
2024/08905	MACROLIDE SENOLYTIC COMPOUNDS	2024/11/22
2024/08906	USES OF DEODORANT COMPOSITIONS FOR REDUCING MALODOUR ON CLOTHING	2024/11/22
2024/08947	A BEARING HOUSING	2024/11/25
2024/08992	AIR DEFENSE SYSTEM FOR ANTI-AIRCRAFT COMBAT COMPRIZING COUNTER COUNTER MEASURES DEVICE TO TRIGGER THE COUNTER MEASURE OF THE AIRCRAFT PRIOR LAUNCHING ANTI-AIRCRAFT MISSILE AT THE AIRCRAFT	2024/11/26
2024/08995	VIBRATION DAMPER AND VIBRATING CONVEYOR SYSTEM	2024/11/26
2024/08996	METHODS, MOBILE UNIT, CENTRAL UNIT AND SYSTEM IN AN UNDERGROUND ENVIRONMENT	2024/11/26
2024/09000	METHOD AND SYSTEM FOR LOCATING STATIONARY OBJECTS IN AN UNDERGROUND ENVIRONMENT	2024/11/26
2024/09001	METHODS FOR REVERSIBLE MALE BIRTH CONTROL	2024/11/26
2024/09032	ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM	2024/11/27
2024/09035	OBJECT DETECTION AND TRACKING FOR AUTOMATED OPERATION OF VEHICLES AND MACHINERY	2024/11/27
2024/09064	STATION AND METHOD FOR FORMING GLASS SHEETS	2024/11/27
2024/09065	STABLE WASH COMPOSITION WITH BIODEGRADABLE THICKENER	2024/11/27
2024/09066	SYSTEM AND METHOD FOR INCREASING USER ENGAGEMENT WITH ONLINE SPORTS BETTING	2024/11/27

2024/09119	ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM	2024/11/28
2024/09130	CARDBOARD TRAY	2024/11/28
2024/09187	NOVEL INDENONE DERIVATIVES AND USES THEREOF	2024/11/29
2024/09189	METHOD AND PLANT FOR MANUFACTURING A SECONDARY PACKAGING ACCORDING TO THE BOD LOGIC	2024/11/29
2024/09231	ENERGY STORAGE AND DELIVERY SYSTEM AND METHOD	2024/12/02
2024/09254	HEAT EXCHANGE CONFIGURATIONS FOR OLIGOMERIZATION OF OLEFINS	2024/12/03
2024/09279	PACKAGING ASSEMBLY FOR THE PREPARATION OF PACKAGES OF HORTICULTURAL PRODUCTS	2024/12/03
2024/09341	POWER SYSTEMS AND CONTROLS FOR ELECTRIC MACHINES	2024/12/05
2024/09348	ELECTROMECHANICAL JOINT FOR CONDUCTOR ARM HAVING MULTIPLE DEGREES OF FREEDOM	2024/12/05
2024/09351	METHOD AND SYSTEM FOR CHARACTERIZING ORGANIC LIVE PARTICLE TYPES IN WATER	2024/12/05
2024/09356	MEASURING LANCE FOR THE MEASUREMENT OF A POSITION AND A THICKNESS OF A SLAG LAYER ON TOP OF A MOLTEN METAL	2024/12/05
2024/09389	DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING	2024/12/09
2024/09390	DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING	2024/12/09
2024/09417	METHODS AND COMPOSITIONS FOR INCREASING EFFICIENCY OF TARGETED GENE MODIFICATION USING OLIGONUCLEOTIDE-MEDIATED GENE REPAIR	2024/12/09
2024/09442	SELECTIVE EXTRACTION OF RHODIUM FROM HYDROCHLORIC ACID SOLUTIONS COMPRISING RHODIUM AND IRIDIUM	2024/12/09
2024/09518	RECOVERY OF NICKEL AND COBALT FROM BLACK MASS	2024/12/10
2024/09553	FIRE PROTECTION DEVICE COMPRISING A FIRE PROTECTION BLANKET	2024/12/11
2024/09554	METHOD AND MATERIAL REMOVAL SYSTEM	2024/12/11
2024/09566	SEALING MECHANISM FOR A BEVERAGE CONTAINER	2024/12/11
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2024/09616	SPUNBONDED NONWOVEN LAMINATE AND PROCESS FOR PRODUCING A SPUNBONDED NONWOVEN LAMINATE	2024/12/12
2024/09617	NONWOVEN FABRIC, AND DEVICE FOR PRODUCING A NONWOVEN FABRIC	2024/12/12
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2024/09790	FRAMING STRUCTURE FOR AN ELECTROLYSER	2024/12/18
2024/09796	BENZIMIDAZOLE OR AZABENZIMIDAZOLE COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF	2024/12/18
2025/00181	DRYING PLANT FOR THE PRODUCTION OF CONFECTIONARY ITEMS	2025/01/06
2025/00330	IMPROVED METHOD FOR CONVERTING A FEEDSTOCK CONTAINING A BIOMASS FRACTION FOR THE PRODUCTION OF HYDROCARBONS BY MEANS OF FISCHER-TROPSCH SYNTHESIS	2025/01/09
2025/00556	TASTE-MASKING MICROSPHERE, PREPARATION PROCESS THEREFOR, AND USE THEREOF	2025/01/16
2025/00599	A METHOD AND DEVICE FOR DISINFECTING WATER AND WATER SUPPLY SYSTEM COMPRISING SAID DEVICE	2025/01/17
2025/00661	PREPARATION METHOD FOR STANNOUS NEODECANOATE, AND REACTOR	2025/01/20

2025/00900	THREE-PIECE MOLD DEVICE, SYSTEM, AND METHOD FOR MANUFACTURING OF CONNECTABLE BEVERAGE BOTTLE	2025/01/27
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2025/01190	METHOD FOR ESTABLISHING A CONTROL CONNECTION, MOBILE TERMINAL, SET COMPRISING A MOBILE TERMINAL AND A HOUSEHOLD APPLIANCE AND METHOD FOR RETROFITTING A HOUSEHOLD APPLIANCE	2025/02/07
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2025/01667	METAL POWDER FOR ADDITIVE MANUFACTURING	2025/02/24
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2025/02277	VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS	2025/03/14
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2025/02940	A SYSTEM FOR GENERATING LIQUID WATER FROM AIR	2025/04/07
2025/03541	VEHICLE-MOUNTED MOBILE LIFTING TOWER	2025/04/25
2025/03632	`IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION	2025/04/29
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2025/03924	METHOD FOR SEPARATING VANADIUM AND CHROMIUM IN VANADIUM-CHROMIUM SOLUTION	2025/05/08
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2025/04014	MRNA DRUG THAT IS LESS EXPRESSED IN LIVER AFTER BEING DELIVERED TO BODY AND PREPARATION METHOD THEREFOR	2025/05/12
2025/04021	WATER INLET SYSTEM IN A TOILET CISTERN	2025/05/12
2025/04036	A METHOD, DEVICE, MEDIUM AND PRODUCT FOR CALCULATING THE VOLUME OF IRREGULAR PARTICLES	2025/05/13
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2025/04063	CRYSTAL FORM OF CYANO-SUBSTITUTED POLYPEPTIDE COMPOUND AND PREPARATION METHOD THEREFOR	2025/05/13
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2025/04132	FORGING METHOD FOR LOWER ANVIL BLOCK FORGING OF HYDRAULIC PILE HAMMER	2025/05/15
2025/04136	CONTINUOUS REACTORS OF FORMATE-BICARBONATE CYCLE FOR HYDROGEN STORAGE AND RELEASE	2025/05/15
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2025/04230	COMPOSITE MATERIAL PROCESSING APPARATUS AND METHOD	2025/05/19
2025/04232	ADJUSTABLE GRIPPING DEVICE FOR ROBOT	2025/05/19
2025/04234	ENERGY SAVING CONTROL METHOD FOR BUILDING HEATING, VENTILATION, AND AIR CONDITIONING	2025/05/19
2025/04235	WAREHOUSE ASSISTING RACK FOR INTELLIGENT MANUFACTURING	2025/05/19
2025/04236	MATERIAL TRANSPORT APPARATUS FOR INTELLIGENT MANUFACTURING	2025/05/19
2025/04239	A SMART BEEHIVE MONITORING SYSTEM USING IOT	2025/05/19
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2025/04255	BOVINE WHOLE-GENOME SNP CHIP AND USE THEREOF	2025/05/19
2025/04278	A SUPPORT ASSEMBLY	2025/05/20
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2025/04334	APPARATUS FOR RECOVERY OF BASE METALS FROM GRID METALLICS	2025/05/21

2025/04338	END FLAP ENGAGEMENT ASSEMBLY FOR ERECTING CARTONS AND RELATED SYSTEMS AND METHODS	2025/05/21
2025/04340	ROAD SURFACE INFORMATION RECOGNITION METHOD AND APPARATUS FOR AUTOMOBILE, AND VEHICLE AND STORAGE MEDIUM	2025/05/21
2025/04356	A BUILDING ENVIRONMENT AND ENERGY COUPLING INTELLIGENT CONTROL SYSTEM AND METHOD BASED ON DIGITAL TWIN	2025/05/22
2025/04368	METHOD FOR CUTTING FOOD PRODUCTS, DEVICE FOR PROCESSING FOOD PRODUCTS, AND FASTENING MECHANISM	2025/05/22
2025/04378	SAFE COCKING HANDLE	2025/05/22
2025/04379	VEHICLE EARLY WARNING METHOD AND APPARATUS, DEVICE, STORAGE MEDIUM, AND PRODUCT	2025/05/22
2025/04380	VEHICLE CONTROL METHOD AND APPARATUS, VEHICLE, AND STORAGE MEDIUM	2025/05/22
2025/04381	MOUNTING BRACKET ASSEMBLY, INCLINED COOLING MODULE ASSEMBLY AND VEHICLE	2025/05/22
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2025/04721	TRANSCRITICAL REFRIGERATION SYSTEM WITH GAS COOLER ASSEMBLY	2025/06/02
2025/04754	CABIN ENTRY DEVICE AND METHOD FOR SUSPENDED FLOATING RAFT	2025/06/03
2025/04760	TRAJECTORY TRACKING DEVICE CAPABLE OF POSITIONING TIP OF INTERVENTIONAL GUIDE WIRE	2025/06/03
2025/04767	AN AIR-COOLED MOTOR AND A PISTON-TYPE AIR COMPRESSOR	2025/06/03
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2025/04836	VIDEO CODING USING A CODED PICTURE BUFFER	2025/06/06
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2025/04853	A DEVICE OF DEVELOPMENT OF CONCENTRATION COMPRISING THREE MODES AND A COMPUTER-IMPLEMENTED METHOD USED IN THE SAME	2025/06/06
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2025/04886	STIRRING AND SEALING METHOD FOR BAGGED SILAGE	2025/06/09
2025/04888	SYSTEM FOR ILLUMINATING ANALYTE AND SYSTEM FOR TESTING ANALYTE	2025/06/09
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2025/04900	PORTABLE GROUNDING WIRE STORAGE BOX	2025/06/09
2025/04914	METHOD FOR PROMOTING COMBUSTION OF COMBUSTIBLE MATERIAL, IMPROVING POWER OUTPUT OF COMBUSTION DEVICE AND PROLONGING SERVICE LIFE OF COMBUSTION DEVICE	2025/06/09
2025/04932	BINDING MACHINE FOR ACCOUNTING VOUCHERS	2025/06/10
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2025/04958	RARE EARTH LIGHT-CONVERSION FILM AND AGRICULTURAL USE THEREOF	2025/06/11
2025/04961	ELONGATED CEILING GRID MEMBER AND CEILING GRID ASSEMBLY INCLUDING A PLURALITY OF THE ELONGATED CEILING GRID MEMBER	2025/06/11
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2025/04993	FLEXIBLE SEMI-TRANSPARENT PHOTOVOLTAIC CELL STRUCTURE HAVING INFRARED LIGHT REFLECTION FUNCTION, PREPARATION METHOD THEREFOR, AND USE THEREOF	2025/06/12
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2025/05073	A SOIL IMPROVEMENT METHOD TO ENHANCE SOIL FERTILITY	2025/06/17
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2025/05075	ANESTHESIA AUXILIARY SUPPORT WITH FOLDING AND TELESCOPIC STRUCTURE	2025/06/17
2025/05076	EXPERIMENTAL METHOD FOR EXAMINING THE EFFECTS OF ADDING BIOCHAR AND ORGANIC FERTILIZER ON SOIL NUTRIENTS AND KEY ENZYME ACTIVITIES	2025/06/17
2025/05077	DOPED TITANIUM DIOXIDE AND PREPARATION METHOD AND APPLICATION THEREOF	2025/06/17

2025/05078	NEW METHOD FOR REMEDIATING COPPER CONTAMINATED SOIL BY COMBINING BIOCHAR AND OSCILLIBACTER SP. BS	2025/06/17
2025/05079	A B2L-BASED ECTHYMA CONTAGIOSUM VIRUS TAQMAN FLUORESCENCE QUANTITATIVE PCR ASSAY KIT AND HOW TO USE IT	2025/06/17
2025/05080	PICKING ROLLER AND HARVESTING MACHINE FOR PEPPER HARVESTING	2025/06/17
2025/05081	A CONCRETE TEMPERATURE CORRECTION METHOD, DEVICE, MEDIUM, AND PRODUCT FOR MIXER OUTLET COUPLED WITH ENVIRONMENTAL VARIABLES	2025/06/17
2025/05083	SULFUR DIOXIDE PROBE AND SYNTHESIS METHOD THEREOF	2025/06/17
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2025/05086	A REAL-TIME MONITORING DEVICE FOR AN ELECTROMECHANICAL DEVICE BASED ON THE INTERNET OF THINGS	2025/06/17
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2025/05129	HIGH LIGHT-TRANSMITTING ANTI-PEEPING LAYER FOR ANTI-PEEPING FILM AND PREPARATION METHOD THEREFOR	2025/06/18
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2025/05142	A REAL-TIME 3D OBJECT RECONSTRUCTION SYSTEM FOR MIXED/EXTENDED REALITY ENVIRONMENTS	2025/06/18
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2025/05214	AN INTEGRATED SYSTEM FOR REAL-TIME SENTIMENT ANALYSIS AND SENTIMENT REVERSAL OF POLITICAL NEWS ARTICLES	2025/06/19
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2025/05218	A MACHINE LEARNING BASED REAL-TIME SIGN LANGUAGE RECOGNITION SYSTEM	2025/06/19
2025/05219	A REAL-TIME EMERGENCY ASSISTANCE SYSTEM FOR ENHANCED WOMEN'S SAFETY	2025/06/19
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2025/05252	THREE-DIMENSIONAL MONITORING METHOD AND SYSTEM FOR RAINFALL FLOOD RESOURCES	2025/06/20
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2025/05359	METHOD AND SYSTEM FOR FAULT PREDICTION IN SPATIAL LIGHT MODULATORS BASED ON MACHINE LEARNING	2025/06/24
2025/05360	COMPOSITE MATERIAL FOR TREATING MUNICIPAL SEWAGE AND PREPARATION METHOD THEREOF	2025/06/24
2025/05367	REAL-TIME ADAPTIVE TRAFFIC CONTROL SYSTEM USING AI AND VEHICLE-TO-INFRASTRUCTURE (V2I) COMMUNICATION	2025/06/24
2025/05368	A SYSTEM FOR HEALTH MONITORING AND DATA TRANSMISSION	2025/06/24
2025/05394	METHOD, SYSTEM AND MEDIUM FOR AUTOMATIC STATISTICS OF SHIP POWER CONSUMPTION STATUS BASED ON SHIP-SHORE COMMUNICATION GATEWAY MEASURING POINT DATA	2025/06/24
2025/05395	PCR DETECTION METHOD OF PORCINE BOCAVIRUS G3 SUBTYPE AND APPLICATION THEREOF	2025/06/25
2025/05396	FLOOR WIPING APPARATUS FOR SPORTS BASKETBALL TRAINING COURT	2025/06/25
2025/05397	GUIDE DEVICE IN PARTICULAR FOR AUG ULTRASONIC PROBES AND COMBINATION OF ULTRASONIC PROBE AND SAID DRIVING DEVICE AUG	2025/06/25
2025/05398	SET SHOT TRAINING APPARATUS FOR BASKETBALL SPORTS TRAINING	2025/06/25
2025/05400	REDUCING SCINTILLATION NOISE IN FREE SPACE OPTICAL COMMUNICATIONS	2025/06/25
2025/05405	MODULAR REARING DEVICE FOR A SPIDER ECOLOGICAL UNIT	2025/06/25
2025/05406	DATA QUALITY RULE RECOMMENDATION METHOD, SYSTEM, ELECTRONIC DEVICE, AND MEDIUM BASED ON INTELLIGENT ALGORITHMS	2025/06/25

2025/05407	A METHOD FOR IDENTIFYING DUCK MEAT ADULTERATION IN MUTTON	2025/06/25
2025/05408	A TURNOVER FACILITY STRUCTURE AND CONSTRUCTION METHOD AFTER FORMWORK SUPPORT DISMANTLING WITHIN A FLOOR	2025/06/25
2025/05409	A ROTATABLE ADAPTIVE-CURVATURE LUMINOUS METAL PANEL SYSTEM	2025/06/25
2025/05410	RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING	2025/06/23
2025/05438	PROTEIN TYROSINE KINASE INHIBITOR AND MEDICAL USE THEREOF	2025/06/25
2025/05440	NAPHTHYLAMIDE COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2025/06/25
2025/05453	METHOD AND DEVICE FOR GROUNDWATER EXPLORATION	2025/06/26
2025/05455	SYSTEM FOR EARLY DIAGNOSIS AND PROGNOSIS ASSESSMENT OF OVARIAN CANCER BASED ON CIRCULAR RIBONUCLEIC ACIDS IN PLASMA EXOSOMES	2025/06/26
2025/05456	SYSTEMS AND METHODS FOR INTERPRETING HIGH ENERGY INTERACTIONS	2025/06/26
2025/05457	A HEMODIALYSIS OPTIMIZATION SYSTEM FOR CHRONIC KIDNEY DISEASE PATIENTS	2025/06/26
2025/05458	REAL-TIME TASK ALLOCATION METHOD FOR UAV CLUSTER BASED ON EDGE COMPUTING	2025/06/26
2025/05462	METHOD AND SYSTEM FOR ACCURATELY POSITIONING UAV CLUSTER BASED ON TIME-SPACE SYNCHRONOUS RANGING	2025/06/26
2025/05464	GELATIN BASED TRANSPARENT AND FLEXIBLE FILM FUNCTIONALIZED WITH DESMIDORCHIS FLAVA EXTRACT	2025/06/26
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2025/05467	UNIVERSAL PROTEIN RENATURATION METHOD AND APPLICATION THEREOF	2025/06/26
2025/05468	USE OF GOT1, MT3, SETD1B, FH AND HRAS GENES AND METHOD FOR SCREENING GENES RELATED TO ALZHEIMER'S DISEASE	2025/06/26
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2025/05473	A CURB STONE	2025/06/26
2025/05485	BINDER-PHASE-FREE HARD ALLOY, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2025/06/26
2025/05497	PREFABRICATED BUILDING WITH STEEL STRUCTURE	2025/06/27
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2025/05499	ANTI-AGING IMMUNE FORMULA	2025/06/27
2025/05500	DRONE-BASED ROAD SURFACE DEFECT DETECTION DEVICE	2025/06/27
2025/05502	PRUNING METHOD FOR LARGE CONTAINER-GROWN SEEDLINGS OF CHANGLIN SERIES CAMELLIA OLEIFERA	2025/06/27
2025/05507	DIGITAL MARKETING SUPPLY CHAIN DATA TECHNOLOGY SYSTEM FOR DIGITAL ECONOMY	2025/06/27
2025/05540	A KIND OF READY-MIXED PUMPING CONCRETE AND ITS PREPARATION METHOD	2025/06/30
2025/05541	METHOD AND SYSTEM FOR LOW-POWER CLOCK DELAY	2025/06/30
2025/05542	ONLINE MONITORING SYSTEM AND METHOD FOR HEMODIALYSIS	2025/06/30
2025/05543	A SYNTHESIS METHOD FOR A CARBON-13 ISOTOPE-LABELED TBBPA BIS(2-HYDROXYETHYL) ETHER	2025/06/30
2025/05549	BLOOD TUMOR DETECTION EQUIPMENT	2025/06/30

2025/05575	MULTIFUNCTIONAL DIGITAL AND INTELLIGENT SECONDARY ELECTRICAL DESIGN METHOD AND SYSTEM	2025/06/30
2025/05577	TUNGSTEN ALLOY WIRE, PREPARATION METHOD THEREFOR AND USE THEREOF	2025/06/30
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2025/05597	A RECONFIGURABLE BROADBAND TRANSMISSION-TYPE LINEAR POLARIZATION CONTROLLER	2025/07/01
2025/05598	A FILTERED DEEP VEIN CATHETER	2025/07/01
2025/05600	TRIAXIAL TESTING APPARATUS FOR STUDYING STRENGTH AND DEFORMATION CHARACTERISTICS OF COARSE-GRAINED MATERIALS UNDER K0 CONSOLIDATION CONDITION	2025/07/01
2025/05604	METHOD FOR CONTROLLING BATCH-TO-BATCH VARIATION AND IMPROVING SPECIFICITY BY CHANGING TIME FOR ADDING RAW MATERIALS AFTER ACTIVATION OF MICROSPHERES	2025/07/01
2025/05605	PRIMER-PROBE SET FOR DETECTING HUMAN INTERLEUKIN 4 RECEPTOR ALPHA IL4RA MRNA, KIT, AND USE THEREOF	2025/07/01
2025/05606	HYPERSPECTRAL DETECTION DEVICE AND METHOD FOR FOREIGN OBJECT DEBRIS ON AIRPORT PAVEMENTS	2025/07/01
2025/05607	POLYNUCLEOTIDE MOLECULE FOR PREVENTING OR TREATING HPV INFECTION-RELATED DIDEASES	2025/07/01
2025/05610	MATERIAL CONVEYING SYSTEM WITH ATMOSPHERE PROTECTION, AND GAS FILLING METHOD AND GAS REPLACING METHOD THEREFOR	2025/07/01
2025/05611	METHOD FOR REPAIRING WASTE REVERSE OSMOSIS MEMBRANE AND REMOVING INSOLUBLE POLLUTANTS	2025/07/01
2025/05612	SULPHATE REMOVAL USING FLUIDIZED BED REACTOR	2025/07/01
2025/05617	MULTI-ANTIGEN CHIMERIC VACCINE AGAINST POXVIRUS AND USE THEREOF	2025/07/01
2025/05628	SOD ORAL LOZENGE AND PREPARATION METHOD THEREOF	2025/07/02
2025/05629	FORESTRY PEST AND DISEASE CONTROL BOX	2025/07/02
2025/05630	AN URBAN ECOLOGICAL GREENWAY PLANT DIVERSITY CULTIVATION DEVICE	2025/07/02
2025/05635	APPARATUS FOR DELIVERING AN ADDITIVE TO AN IRRIGATION SYSTEM	2025/07/02
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2025/05638	AUTOMATIC SWEAT WIPING DEVICE FOR TABLE TENNIS TABLE	2025/07/02
2025/05639	COOLING AND POLISHING DEVICE FOR MECHANICAL PARTS PROCESSING	2025/07/02
2025/05640	MATERIAL SHAPING DEVICE FOR MOLECULAR MAGNETIC MATERIALS PREPARATION	2025/07/02
2025/05641	SOLAR CELL MODULE CONVENIENT FOR ASSEMBLING	2025/07/02
2025/05653	WELDED QUICK-CONNECT FITTING, PIPING SYSTEM, AND PIPELINE CONNECTION METHOD	2025/07/02
2025/05661	METHOD FOR LOW-TEMPERATURE STORAGE OF SUGARCANE POLLEN	2025/07/03
2025/05662	METAL POWDER FLOW GRANULATION DEVICE CAPABLE OF PREVENTING POWDER LEAKAGE AND DISPERSION	2025/07/03
2025/05663	DEVICE FOR GRANULATING METAL POWDER BY FLOW PRESSING AND GRANULATION METHOD THEREOF	2025/07/03
2025/05664	NAC TRANSCRIPTION FACTOR FAMILY MOTIF OF ATRAPHAXIS BRACTEATA AND ITS APPLICATION	2025/07/03
2025/05665	A SOLAR BIOMASS CARBONIZATION DEVICE BASED ON FRESNEL CONCENTRATION	2025/07/03

2025/05666	SOCIAL MEDIA-BASED TELECINE CULTURE DISSEMINATION STRATEGY	2025/07/03
2025/05667	IN-SITU ECOLOGICAL TREATMENT METHOD FOR RECYCLING TAIL WATER FROM SHRIMP FARMING AND APPLICATION THEREOF	2025/07/03
2025/05669	SSMYB114 GENE OF MYB TRANSCRIPTION FACTOR IN SPATHOLOBUS SUBERECTUS DUNN AND APPLICATION THEREOF	2025/07/03
2025/05670	ANTI-PDL1 ANTIBODIES AND METHODS OF USE	2025/07/03
2025/05672	ANTI-PDL1/VEGF ANTIBODIES AND METHODS OF USE	2025/07/03
2025/05674	AN UNMANNED BOAT FOR WATER POLLUTION CONTROL	2025/07/03
2025/05675	CONVEYOR BELT AND STEEL WIRE ROPE TRACTION BELT CONVEYOR COMPRISING SAME	2025/07/03
2025/05677	ANTI-PDL1 ANTIBODIES, MULTISPECIFIC ANTIBODIES AND METHODS OF USE	2025/07/03
2025/05683	ANTI-CD47 ANTIBODIES AND METHODS OF USE	2025/07/03
2025/05699	COMPUTER IMPLEMENTED METHOD FOR SELECTING FUNCTIONAL BIOMARKERS TO IDENTIFY A TARGET CONDITION IN A SUBJECT	2025/07/03
2025/05708	RAPID GENOTYPING DEVICE FOR PEACH GERMPLASM RESOURCE MOLECULAR MARKERS	2025/07/04
2025/05709	METHOD FOR MONITORING GROSS PRIMARY PRODUCTIVITY OF VEGETATION BASED ON DOWNSCALING AND MULTI-SOURCE REMOTE SENSING DATA	2025/07/04
2025/05712	HIGH-STRENGTH AND HIGH-WEATHERING STEEL AND MANUFACTURING METHOD THEREOF	2025/07/04
2025/05713	DEVICE FOR ACOUSTIC SURVEY OF SOIL PROFILE	2025/07/04
2025/05715	SEWAGE PURIFICATION AND FILTRATION DEVICE FOR PREVENTION AND CONTROL OF WATER ENVIRONMENT POLLUTION	2025/07/04
2025/05717	IN VITRO FERTILIZATION SOLUTION CAPABLE OF IMPROVING FERTILIZATION ABILITY OF BOVINE SPERMS AND PREPARATION METHOD THEREOF	2025/07/04
2025/05721	COLD-ROLLED HIGH-STRENGTH ENAMELING STEEL AND MANUFACTURING METHOD THEREFOR	2025/07/04
2025/05722	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR PREVENTING AND/OR TREATING AIDS DAMP-HEAT SYNDROME AND USE THEREOF	2025/07/04
2025/05723	BATTERY CHARGING COMPLEX FOR ELECTRIC VEHICLE FLEET	2025/07/04
2025/05753	DETECTION PRIMER-PROBE SET FOR HUMAN INTERLEUKIN 5 RECEPTOR ALPHA IL5RA MRNA, KIT, AND USE	2025/07/07
2025/05754	NOVEL GREEN CEMENT BASED ON PRODUCT SYSTEM OF CALCIUM CARBONATE-ETTRINGITE-CALCIUM CARBONATE ALUMINATE	2025/07/07
2025/05755	AN ACCOUNTING SEAL STORAGE BOX	2025/07/07
2025/05756	REAL TIME MONITORING SYSTEM FOR NURSE COMPASSION FATIGUE BASED ON ARTIFICIAL INTELLIGENCE	2025/07/07
2025/05757	METHOD FOR PREPARING PHOSPHORUS-DOPED METAL COMPOUND COMPOSITE MATERIAL FROM WASTE BATTERY CARBON CATHODE	2025/07/07
2025/05758	ANTI-STATIC ENERGY STORAGE CYLINDER WITH NITROGEN AND OXYGEN MIXED GAS FOR ROCK BREAKING AND USE METHOD THEREOF	2025/07/07
2025/05759	LOW-HEAT HIGH-STRENGTH CEMENTITIOUS MATERIAL, PREPARATION METHOD, AND APPLICATION THEREOF	2025/07/07
2025/05760	AN ACUTE KIDNEY INJURY RISK ASSESSMENT METHOD AND AN EARLY WARNING SYSTEM	2025/07/07
2025/05761	CORE ROCK QUALITY DESIGNATION (RQD) DETECTION METHOD AND APPARATUS BASED ON CONTOUR IDENTIFICATION AND IMAGE PROCESSING	2025/07/07

2025/05762	UNMANNED AERIAL VEHICLE FOR MARITIME SEARCH AND RESCUE TRANSFER	2025/07/07
2025/05763	ANTI-SINKING FLOTATION DEVICE FOR MARINE UNMANNED AERIAL VEHICLE	2025/07/07
2025/05764	PARACHUTE DECELERATION DEVICE FOR MARINE UNMANNED AERIAL VEHICLE	2025/07/07
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2025/05787	MACHINE-READABLE STORAGE MEDIUM FOR OBTAINING A DATASET	2025/07/08
2025/05788	MACHINE-READABLE STORAGE MEDIUM FOR DISTRIBUTING DOSAGE FORMS	2025/07/08
2025/05789	METHOD FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS	2025/07/08
2025/05790	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING DATABASE OF BODY STATUSES	2025/07/08
2025/05791	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE	2025/07/08
2025/05792	METHOD FOR OBTAINING A DATASET	2025/07/08
2025/05793	METHOD FOR DISTRIBUTING DOSAGE FORMS	2025/07/08
2025/05794	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE	2025/07/08
2025/05795	METHOD FOR IDENTIFYING BODY STATUS	2025/07/08
2025/05796	METHOD FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE	2025/07/08
2025/05797	METHOD FOR DISTRIBUTING DOSAGE FORMS	2025/07/08
2025/05798	MACHINE-READABLE STORAGE MEDIUM FOR IDENTIFYING BODY STATUS	2025/07/08
2025/05799	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS	2025/07/08
2025/05800	METHOD FOR GENERATING A DATABASE	2025/07/08
2025/05801	METHOD FOR GENERATING A DATABASE QUERY	2025/07/08
2025/05802	METHOD FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS	2025/07/08
2025/05803	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY	2025/07/08
2025/05804	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNALS	2025/07/08
2025/05805	METHOD FOR GENERATING DATABASE OF BODY STATUSES	2025/07/08
2025/05806	MACHINE-READABLE STORAGE MEDIUM FOR DISTRIBUTING DOSAGE FORMS	2025/07/08
2025/05807	DEVICE FOR REAL-TIME MEASUREMENT OF BOREHOLE WATER LEVEL IN GEOTECHNICAL INVESTIGATION	2025/07/08
2025/05808	INTELLIGENT TOOL LIBRARY SYSTEM FOR INDUSTRIAL ROBOTS	2025/07/08
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2025/05815	METHOD FOR MINING STOPE BETWEEN LARGE-VOLUME FILLING BODIES	2025/07/08
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2025/05841	PREPARATION METHOD OF HIGH-SPECIFIC-STRENGTH SOLID WASTE CERAMSITE	2025/07/09
2025/05842	A TURBINE DIRECT-DRIVE CONICAL ROTOR PERMANENT MAGNET SYNCHRONOUS GENERATOR SET	2025/07/09
2025/05843	METHOD AND SYSTEM AND ELECTRONIC DEVICE FOR REGULATING COAL CHEMICAL WASTE GAS EMISSIONS BASED ON STOCHASTIC CONTROL	2025/07/09
2025/05845	A NOVEL AIR-GAP MEMBRANE DISTILLATION MODULE	2025/07/09
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2025/05850	A SMEAR-TYPE SEMI-SOLID SEASONING SAUCE AND ITS PREPARATION METHOD THEREOF	2025/07/09
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2025/05868	SINGLE-STRANDED OLIGONUCLEOTIDE TARGETING IGF2BP3 PROTEIN AND USE THEREOF	2025/07/09
2025/05871	POWER COUPLING DEVICE, POWER ASSEMBLY AND VEHICLE	2025/07/09
2025/05878	EROSION PILE DEVICE FOR MONITORING SOIL EROSION ON ROAD SLOPES	2025/07/10
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2025/05881	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING SKIN DISEASES AND PREPARATION METHOD THEREOF	2025/07/10
2025/05906	TEST DEVICE FOR SIMULATING MULTI-POINT HORIZONTAL DYNAMIC LOADS AND TEST METHOD THEREOF	2025/07/10
2025/05907	STEEL-ALUMINUM COMPOSITE JOINT WITH ADJUSTABLE INSTALLATION ANGLE	2025/07/10
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2025/05910	IRRIGATION AND DRAINAGE DEVICE FOR WOUND OSTOMATA	2025/07/11
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2025/05912	SELF-MOVING CONVEYING AND UNLOADING EQUIPMENT FOR COAL-ASSOCIATED WASTE ROCKS	2025/07/11
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2025/05914	METHOD AND DEVICE FOR CALCULATING MULTI-TIME SCALE POWER AND ENERGY BALANCE WITH MULTI-PERIOD ENERGY STORAGE	2025/07/11
2025/05915	METHOD FOR QUANTIFYING INTERACTION OF DUAL DROUGHT STRESS ON VEGETATION	2025/07/11
2025/05917	METHOD FOR PREPARING AND CONSTRUCTING RAPID REPAIR MATERIAL FOR ASPHALT CONCRETE PAVEMENT POTHOLES	2025/07/11
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2025/05919	METHOD FOR EXTRACTING SINGLE-TREE-LEVEL LEAF AREA INDEX BASED ON UNMANNED AERIAL VEHICLE PHOTOGRAMMETRY	2025/07/11
2025/05920	VEHICULAR NETWORK USER BEHAVIOR BIG DATA MINING AND PERSONALIZED MANAGEMENT SERVICE SYSTEM	2025/07/11
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2025/05922	PREPARATION METHOD OF POLYMER-MODIFIED ASPHALT CONCRETE FOR NORMAL-TEMPERATURE STEEL STRUCTURE PAVING	2025/07/11
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2025/05994	LIQUID FERTILIZER CONTAINING A SEAWEED POLYSACCHARIDE-AMINO ACID COMPLEX AND A PREPARATION METHOD THEREOF	2025/07/15
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2025/05997	MULTI-SCALE INTELLIGENT MONITORING AND ANALYSIS METHOD FOR SOIL NUTRIENTS	2025/07/15
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2025/06002	METHOD FOR INTERVAL THRESHOLD AUDIOMETRY	2025/07/15
2025/06005	METHOD FOR MANUFACTURING A NUCLEAR FUEL ROD CLADDING AND CORRESPONDING NUCLEAR FUEL ROD CLADDING	2025/07/15
2025/06028	MODULAR SPRAY COOLING CABINET FOR SERVER	2025/07/15
2025/06029	METHOD, DEVICE, ELECTRONIC DEVICE, AND COMPUTER PROGRAM PRODUCT FOR SIDELOBE SUPPRESSION IN RADAR PLANAR IMAGING	2025/07/15
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2025/06037	METHOD AND SYSTEM FOR SPORTS POPULAR SCIENCE TEACHING BASED ON AR PRESENTATION THEREOF	2025/07/16
2025/06038	BENZOTHIADIAZINE-1,1-DIKETO-QUINOLINE DERIVATIVE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2025/07/16
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2025/06111	SURGICAL ROOM WOUND CLEANING AND NURSING DEVICE	2025/07/18
2025/06112	WATER-SOLUBLE SINGLE-COMPONENT INTUMESCENT FLAME RETARDANT AND PREPARATION METHOD AND APPLICATION THEREOF	2025/07/18
2025/06113	HYDROGEN PRODUCTION METHOD, HYDROGEN PRODUCTION REACTION MODULE, AND HYDROGEN ENERGY POWER SYSTEM	2025/07/18
2025/06114	METHOD FOR AUTOMATICALLY SEGMENTING MEDICAL ULTRASONIC VIDEO LESIONS BASED ON DEEP LEARNING	2025/07/18
2025/06115	VEHICULAR HYDROGEN-ENRICHED COMPRESSED NATURAL GAS (HCNG) SUPPLY SYSTEM AND METHOD	2025/07/18
2025/06116	CLEANING LINE AND METHOD FOR AUTOMATICALLY CLEANING VEHICLE-MOUNTED GAS CYLINDERS	2025/07/18
2025/06117	TYPE IV BOTTLE HYDROGEN STORAGE SYSTEM FRAME ASSEMBLY AND USE METHOD THEREOF	2025/07/18
2025/06118	FLEXIBLE MANIPULATOR BASED ON MECHANICAL SUPERSTRUCTURE	2025/07/18
2025/06120	EARTHQUAKE PREDICTION DEVICE AND METHOD	2025/07/18
2025/06121	FLUORESCENCE DIAFILTRATION KIT FOR DETECTING ALLERGEN-SPECIFIC IGE ANTIBODIES	2025/07/18
2025/06122	APPLE GRADING OPTIMIZATION SYSTEM AND METHOD BASED ON MACHINE VISION AND LARGE MODEL INTELLIGENT DECISION-MAKING	2025/07/18
2025/06124	METHOD FOR CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING	2025/07/18

2025/06125	METHOD FOR CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING	2025/07/18
2025/06127	AN INTELLIGENT DETECTION SYSTEM FOR MARINE DYNAMIC ENVIRONMENT BASED ON DATA ANALYSIS	2025/07/18
2025/06128	ANTI-FATIGUE PROTEIN BAR BASED ON COFFEE PROCESSING BY-PRODUCTS AND PREPARATION METHOD THEREOF	2025/07/18
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2025/06165	DESERT SAND-BASED HIGH-TOUGHNESS CEMENTITIOUS COMPOSITE MATERIAL AND PRODUCTION METHOD THEREOF	2025/07/21
2025/06166	CERAMIC COPPER-CLAD PLATE AND PREPARATION METHOD AND APPLICATION THEREOF	2025/07/21
2025/06169	PIPE GROOVING DEVICE	2025/07/21
2025/06170	PIPE GROOVING DEVICE	2025/07/21
2025/06179	DIRECTED MICRO-ECOLOGY FERMENTATION DEVICE, FERMENTATION METHOD AND COMPUTER READABLE STORAGE MEDIUM	2025/07/21
2025/06180	INTELLIGENT MANAGEMENT AND CONTROL METHOD AND SYSTEM FOR PORT WATER ACCUMULATION BASED ON MULTI-SOURCE DATA FUSION	2025/07/21
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2025/06197	NOBLE METAL-FREE HIGH-ENTROPY CATALYST, PREPARATION METHOD, AND APPLICATION THEREOF	2025/07/22
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2025/06202	MINERAL MATERIAL PROCESSING PLANT WITH MULTIFUNCTIONAL SUPPORT LEGS	2025/07/22
2025/06204	METHOD FOR ONLINE MONITORING AND INTELLIGENT CONTROL OF PORT WATER SYSTEM	2025/07/22
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2025/06231	ONCOLOGY DRUG DELIVERY DEVICE	2025/07/23
2025/06232	ANTI-SCRATCH AND NON-BLACKENING WATER-BASED LATEX PAINT AND PREPARATION METHOD THEREOF	2025/07/23
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2025/06269	METHOD FOR DRUG REPOSITIONING BASED ON TOPOLOGICAL AND BIOCHEMICAL INFORMATION	2025/07/24
2025/06270	TRADITIONAL CHINESE PATENT MEDICINE FOR PREVENTING COLD VIRUS AND PREPARATION METHOD FOR	2025/07/24
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2025/06288	CLOSED HEAT TRANSFER OIL SYSTEM FOR GREEN ANODE	2025/07/25
2025/06289	CHINESE MEDICINE COMPOSITION FOR BONE SETTING AND WOUND HEALING AND PREPARATION METHOD THEREOF	2025/07/25
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2025/06291	METHOD FOR CALCULATING FRACTURE DENSITY DATA VOLUME	2025/07/25
2025/06292	STEAM TEMPERATURE AND PRESSURE REDUCTION SYSTEM FOR GREEN ANODE ASPHALT HEAT INSULATION	2025/07/25
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2025/06295	SYSTEM INTELLIGENT SWITCH SOCKET	2025/07/25
2025/06300	STRENGTHENING CONSTRUCTION METHOD FOR RENOVATED FLOOR OF OLD BUILDING	2025/07/25
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2025/06319	AN INTEGRATED SYSTEM FOR MONITORING AND CONTROLLING THE OPERATIONS OF A WHEELCHAIR	2025/07/28
2025/06320	A TOROIDAL STRUCTURE BASED TRANSMITTER AND RECEIVER COIL FOR WIRELESS CHARGING SYSTEM	2025/07/28
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2025/06322	AN AUTOMATIC FORK SYSTEM FOR REDUCING THE MORTALITY OF CHICKENS IN POULTRY FARM	2025/07/28
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2025/06336	A SELF-CLEANING COMPONENT AND METHOD FOR A CEMENT GRINDING COAL DUST REMOVAL FILTER BAG TECHNICAL FIELD	2025/07/28
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2025/06346	A PREPARATION METHOD, PRODUCT, AND APPLICATION OF A COMPOSITE PHOTOCATALYST	2025/07/29
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2025/06374	HYBRID SEAWATER ICE MAKER	2025/07/29
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2025/06395	TRADITIONAL CHINESE PATENT MEDICINE FOR TREATING RHINITIS AND PREPARATION METHOD THEREFOR	2025/07/30
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F2025/01407	WHEELSET	2025/11/20
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