PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

OCTOBER 2026 **VOL 59 ● No. 10**

Companies and Intellectual Property Commission
a member of the dtic group

Part II of II

ISSUED MONTHLY **DATE OF ISSUE: 28 OCTOBER 2026**

ISSN 2223-4837

PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

VOL. 59 No. 10 **Date of Issue: 28 OCTOBER 2026**

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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 2026/09/23 -

2026/09309 ~ Complete ~54:A SYSTEM AND METHOD FOR MORTALITY-LINKED STRUCTURED CAPITAL ORCHESTRATION ~71:WILLIAMS, Anthony Darren, 5 Senan Street, Cavendish Mews, 25 Glenhof Road, NEWLANDS 7700, Western Cape, SOUTH AFRICA, South Africa ~72: WILLIAMS, Anthony Darren~ 33:ZA ~31:2026/04246 ~32:20/04/2026

2026/09323 ~ Complete ~54:PORTABLE GAS-TO-LIQUIDS PLANT FOR FORMING LIQUID HYDROCARBONS FROM GASEOUS HYDROCARBONS ~71:DEWALCH TECHNOLOGIES, INC., 1441 Seamist Drive, United States of America ~72: DEWALCH, Norman Binz;RIVERA MONTES, Carlos F~ 33:US ~31:63/569,273 ~32:25/03/2024

2026/09329 ~ Complete ~54:METHOD OF TREATMENT OF ALZHEIMER'S DISEASE WITH MESENCHYMAL STEM CELLS AND MMP-14 POTENCY ASSAY FOR MESENCHYMAL STEM CELLS ~71:LONGEVERON INC., 1951 NW 7th Avenue, Suite 520, Miami, Florida, 33136, United States of America ~72: HARE, Joshua M;RASH, Brian G~ 33:US ~31:63/568,286 ~32:21/03/2024;33:US ~31:63/702,937 ~32:03/10/2024;33:US ~31:63/703,501 ~32:04/10/2024

2026/09330 ~ Complete ~54:WIRE TENSIONING SYSTEMS AND METHODS OF USE ~71:AFFORDABLE WIRE MANAGEMENT, LLC, 90 Washington Valley Rd, Ste 1299 Bedminster, New Jersey 07921, United States of America ~72: HRUBY, Peter Mark;RAND, Scott Robert;SMITH, Daniel Robert~ 33:US ~31:63/571,773 ~32:29/03/2024

2026/09331 ~ Complete ~54:A CAST ~71:CASTOMIZE TECHNOLOGIES PTE. LTD., 79 Ayer Rajah Crescent #02-20, JTC LaunchPad 139955, Singapore ~72: SUNARKO, Johannes Brian;TEO, Jia Yee;TEO, Jun Hieng Abel~ 33:SG ~31:10202400514W ~32:26/02/2024

2026/09361 ~ Complete ~54:VEHICLE DOOR OPENING AND CLOSING APPARATUS, VEHICLE DOOR SYSTEM, AND VEHICLE ~71:CHERY AUTOMOBILE CO., LTD., No.8, Changchun Road, Economy & Technology Development Zone, Wuhu, People's Republic of China ~72: LI, Xin;LIU, Shuzhan;YU, Kesheng~ 33:CN ~31:2025102637173 ~32:06/03/2025

2026/09308 ~ Complete ~54:CARBOXY-BENZIMIDAZOLE GLP-IR MODULATING COMPOUNDS ~71:GILEAD SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: ARMSTRONG, MEGAN K.;CASSIDY, JAMES S.;CHIN, ELBERT;CHOU, CHIENHUNG;COTTELL, JEROMY J.;HUNG, CHAO-I;KOLAHDOUZAN, KAVOOS;LIN, DAVID W.;MITCHELL, MICHAEL L.;ROBERTS, EZRA;SCHROEDER, SCOTT D.;SHAPIRO, NATHAN D.;TAYLOR, JAMES G.;THOMAS-TRAN, RHIANNON;WRIGHT, NATHAN E.~ 33:US ~31:63/177,778 ~32:21/04/2021;33:US ~31:63/286,475 ~32:06/12/2021

2026/09313 ~ Complete ~54:NEW HETEROCYCLIC COMPOUNDS REDUCING THE TASL PROTEIN LEVEL ~71:SOLGATE GMBH, Plöcking 1, Austria ~72: Andreas GOLLNER;Beatrice CAPORASO;Claire COLAS;Iuliia POLISHCHUK;Marko KLJAJIC;Yury LEBEDEV~ 33:EP ~31:24172298.2 ~32:24/04/2024;33:EP ~31:24203226.6 ~32:27/09/2024;33:EP ~31:25166495.9 ~32:26/03/2025

2026/09319 ~ Complete ~54:METALLIC COATING SYSTEM ~71:SWIMC LLC, 1 Sherwin Way, CLEVELAND 44113, OH, USA, United States of America ~72: DI SACCO, Federico;GARNIER, Jérôme Sylvain;SATYAWAN, Caecilia Amelinda~ 33:US ~31:63/633,077 ~32:12/04/2024;33:US ~31:63/656,659 ~32:06/06/2024

2026/09324 ~ Complete ~54:PROCESS FOR THE CRYSTALLIZATION OF ESTETROL MONOHYDRATE ~71:RICHTER GIDEON NYRT, Gyömröi út 19-21, Hungary ~72: BODNÁR, Katalin;DEMETER, Ádám;HOFFMANNÉ SZALAY, Zsófia;MEISZTERICS, Anikó~ 33:HU ~31:P2400151 ~32:28/02/2024

2026/09297 ~ Provisional ~54:"SINEY-BUN: MULTI-FORMAT BIOACTIVE PLATFORM FOR MAXILLOFACIAL, ENDODONTIC, AND SYSTEMIC TISSUE REGENERATION WITH INTEGRATED ANALGESIA AND SYNERGISTIC BOTANICAL MATRICES". ~71:MALESSA IZAMRO, LOUI LIPSKY 39, JERUSALEM, 91000, Israel ~72: MALESSA IZAMRO~

2026/09302 ~ Complete ~54:ARMATURE APPARATUS FOR ELECTRICAL SWITCHES ~71:GENERAL EQUIPMENT AND MANUFACTURING COMPANY, INC. D/B/A TOPWORX, INC., 3300 Fern Valley Road, LOUISVILLE 40213, KY, USA, United States of America ~72: GOODMAN, Patrick;PEYTON, Jason;REYNOLDS, Chance~ 33:US ~31:19/338,854 ~32:24/09/2025

2026/09303 ~ Complete ~54:DEVICES, SYSTEMS, AND METHODS FOR SUPPORTING DIFFERENT TYPES OF DOOR JAMBS ~71:WOMBAT TIMBERS PTY LTD., 35 Davis Road, Unit 2, Wetherill Park, Australia ~72: WALTERS, Becky Jane;WALTERS, Donald Jeffrey~ 33:US ~31:19/339,055 ~32:24/09/2025

2026/09311 ~ Complete ~54:ELECTRIC POWER SYSTEM ~71:SUNGROW (SHANGHAI) CO., LTD., Floor 4, No. 78, Lane 887, Zuchongzhi Road, Zhangjiang Hi-Tech Park, People's Republic of China ~72: JIANG, Anying;WANG, Dong;WU, Qixin;XU, Jincheng;YU, Yanfei~ 33:CN ~31:202410217900.5 ~32:27/02/2024

2026/09312 ~ Complete ~54:NETTING WITH HEXAGONAL MESH FOR USE IN CIVIL ENGINEERING IN GEOTECHNICAL APPLICATIONS ~71:OFFICINE MACCAFERRI S.P.A., Via Albricci Alberico, 9, Italy ~72: Antoine GAGLIARDI~ 33:IT ~31:102024000009667 ~32:29/04/2024;33:IT ~31:102024000024393 ~32:31/10/2024

2026/09316 ~ Complete ~54:PASSIVATED MAGNESIUM MATERIAL, IN PARTICULAR PASSIVATED MAGNESIUM, AND METHOD FOR PRODUCING SAME ~71:ALMAMET GMBH, Gewerbestrasse 5a, 83404, Ainring, Germany ~72: GITTERLE, Wolfgang;LOHR, Steffen;WEBER, Christian~ 33:EP ~31:24160575.7 ~32:29/02/2024

2026/09321 ~ Complete ~54:CHELATOR COMPOSITIONS FOR RADIOMETALS AND METHODS OF USING SAME ~71:SIMON FRASER UNIVERSITY, 8888 University Drive, BURNABY V5A 1S6, BRITISH COLUMBIA, CANADA, Canada;THE UNIVERSITY OF BRITISH COLUMBIA, c/o University-Industry Liaison Office, 103-6190 Agronomy Road, VANCOUVER V6T 1Z3, BRITISH COLUMBIA, CANADA, Canada;TRIUMF INC., 4004 Wesbrook Mall, VANCOUVER V6T 2A3, BRITISH COLUMBIA, CANADA, Canada ~72: MCNEIL, Brooke Lynn;MCNEIL, Scott;YANG, Hua~ 33:US ~31:63/568,692 ~32:22/03/2024

2026/09326 ~ Complete ~54:CLEANING TEXTILE FLOOR COVERINGS ~71:RIPKE & FELDMANN GBR, Martin-Luther-Str. 3, 63150, Heusenstamm, Germany ~72: FELDMANN, Derick;RIPKE, Stephan~ 33:DE ~31:10 2024 105 233.3 ~32:24/02/2024

2026/09325 ~ Complete ~54:TETRAHYDROPYRAZOLOPYRIDINE DERIVATIVE ~71:OTSUKA PHARMACEUTICAL CO., LTD., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, Tokyo 1018535, Japan ~72: AKAO, Yusuke;CHIBA, Takuya;IIO, Keita;ISHIKAWA, Shumpei;ITO, Mitsuhiro;KANEDA, Miho;MENJO, Yasuhiro;NARA, Yoshi;SAKAI, Koji;SAKAMOTO, Nasa;SATO, Akimasa;SATO, Ayumu;TANAKA, Hirotaka;TODA, Masaki;YONEMORI, Jinichi;YUKI, Yohei~ 33:JP ~31:2024-069607 ~32:23/04/2024

2026/09332 ~ Complete ~54:RECYCLING FURNACE ~71:TENOVA SOUTH AFRICA (PTY) LTD, Midrand Business Park, Building No 4, 563 Old Pretoria Road, Halfway House, Midrand, 1685, South Africa ~72: JOUBERT, Hugo~ 33:ZA ~31:2024/02945 ~32:17/04/2024;33:ZA ~31:2024/05129 ~32:01/07/2024

2026/09335 ~ Complete ~54:MULTI-SPEED TRANSMISSION DEVICE WITH SINGLE PLANETARY CARRIER ~71:CHAI, Jie, Room 423, Building 4, No. 26 Beiji Road, Xixiangtang District, People's Republic of China ~72: CHAI, Haisheng;CHAI, Jie;CHAI, Yuyan;LAN, Minjing~ 33:CN ~31:202410352821.5 ~32:26/03/2024

2026/09337 ~ Provisional ~54:ACCOUNTS MANAGEMENT APP ~71:LIONEL MAKOKOTLELA, 858 BUFFA STREET MORELETA PARK, South Africa ~72: LIONEL MAKOKOTLELA~

2026/09429 ~ Provisional ~54:TRIMAXX EXTREME ~71:Mbali Nkosi, 290 Glover Road,73 Honeydew, South Africa ~72: Mbali Nkosi~ 33:ZA ~31:MBAL03 ~32:22/09/2026

2026/09336 ~ Provisional ~54:COOKING APPARATUS LOW AMPERAGE HOB 4 SPIRAL AND SOLID PLATE'S ~71:LEONARD PETERSEN FAMILY TRUST I/T132/2004, No45-30TH AVE ELSIES RIVER, South Africa ~72: LEONARD PETERSEN FAMILY TRUST I/T132/2004~

2026/09295 ~ Provisional ~54:MULTI-TENANT MICRO-RETAIL TRANSACTION OPERATING ENGINE, DISCONNECTED CRYPTOGRAPHIC TRANSACTION-CACHING MODULE, AND LOCALIZED GRAPHICAL USER INTERFACE INTEROPERABLE WITH LOCAL AUTHORITY LICENSING INTERFACES. ~71:Techtonic Innovations Pty Ltd, 302 Muckleneuk Lanterns,, South Africa ~72: itumeleng Mogatusi~ 33:ZA ~31:None ~32:22/09/2026

2026/09306 ~ Complete ~54:A NEMATOPHAGOUS PURPUREOCILLIUM LILACINUM AND BACILLUS LICHENIFORMIS COMPOSITION, APPLICATION AND METHOD ~71:Henan Tengfeng Agricultural Technology Co., Ltd., Chengxi Industrial Zone, Huixian Industrial Agglomeration Area, Xinxiang City, Henan Province, 453699, People's Republic of China ~72: Dong Changjiang;Xu Yongxia~

2026/09327 ~ Complete ~54:STAT6 DEGRADERS ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, California, 94404, United States of America ~72: ANDREWS, Mark David;CLEMENTSON, Sebastian;DACK, Kevin Neil;DE GROOT, Marcel John;HOLMSTRØM, Thomas;JOHNSON, Patrick Stephen;JØRGENSEN, Morten;MARTIN-GAGO, Pablo;MIN, Geanna;MÅNSSON, Kristoffer~ 33:EP ~31:24167026.4 ~32:27/03/2024

2026/09328 ~ Complete ~54:STAT6 DEGRADERS ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, California, 94404, United States of America ~72: CLEMENTSON, Sebastian;DACK, Kevin Neil;DE GROOT, Marcel John;HOLMSTRØM, Thomas;JOHNSON, Patrick Stephen;JØRGENSEN, Morten;MARTIN-GAGO, Pablo;MIN, Geanna;MÅNSSON, Kristoffer~ 33:EP ~31:24167017.3 ~32:27/03/2024

2026/09360 ~ Complete ~54:SYSTEM AND METHOD FOR CONFIGURING SWITCH OF AUXILIARY COMPENSATION FUNCTION FOR STRAIGHT-LINE DRIVING, AND VEHICLES ~71:CHERY AUTOMOBILE CO., LTD., No.8, Changchun Road, Economy & Technology Development Zone, Wuhu, People's Republic of China ~72: GAO, Jiabing;LIU, Huijian;WU, Gang;WU, Helong;YANG, Xiaomeng~ 33:CN ~31:2025103503782 ~32:24/03/2025

2026/09301 ~ Provisional ~54:SELF-POWERED, INDEPENDENTLY-INSTALLED VEHICLE EVENT RECORDER WITH THRESHOLD-BASED COMPROMISE DETECTION, CRYPTOGRAPHIC EVIDENCE SEALING, AND PRE-FAILURE BURST TRANSMISSION ~71:Norovari PTY, 232 Glover Avenue, South Africa ~72: Dinah Chrisine Dube~ 33:ZA ~31:none ~32:22/09/2026

2026/09318 ~ Complete ~54:NON-GAMETOCIDE CHEMICAL EMASCULATION ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: LI, Changbao;LIEBLER, Tara~ 33:US ~31:63/639,197 ~32:26/04/2024

2026/09320 ~ Complete ~54:CHOLANE DERIVATIVES FOR THE TREATMENT AND THE PREVENTION OF FXR AND TGR5GP-BAR1 RECEPTORS MEDIATED DISEASES ~71:BAR PHARMACEUTICALS SOCIETA' A RESPONSABILITA' LIMITATA, Via Gramsci, 88/A, REGGIO NELL'EMILIA 42124, ITALY, Italy ~72: ZAMPELLA, Angela~ 33:IT ~31:102024000006631 ~32:25/03/2024

2026/09296 ~ Provisional ~54:PROGRESSIVE OPHTHALMIC LENS WITH BOUNDARY-PRESERVING PERIPHERAL DISTANCE VISION CORRECTION AND DUAL-PARAMETER ABERRATION REDISTRIBUTION ~71:Yoel Arieli, 14 b Rabi Meir St., Jerusalem, 9318538, Israel ~72: Yoel Arieli~

2026/09305 ~ Complete ~54:COUPLING PERMITTING LONGITUDINAL AXIS ROTATION OF PIPE ELEMENTS ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: FINLAYSON, Eric Frank~ 33:US ~31:63/448,363 ~32:27/02/2023;33:US ~31:63/448,364 ~32:27/02/2023;33:US ~31:63/448,366 ~32:27/02/2023;33:US ~31:63/600,392 ~32:17/11/2023;33:US ~31:63/600,400 ~32:17/11/2023

2026/09298 ~ Provisional ~54:HYBRID SOLAR GENERATOR ~71:Morotoba Bendly Mahuma, 1 Wilcox Street, South Africa;Naylen Henry Goliath, 1 Wilcox Street, South Africa ~72: Morotoba Bendly Mahuma;Naylen Henry Goliath~

2026/09299 ~ Provisional ~54:WORKFLOW ORCHESTRATION AND VERIFICATION SYSTEM AND METHOD FOR LEGAL FIELD SERVICE AND EXECUTION ~71:Juristec Innovations (Pty) Ltd., 25 Lawlands Drive, Sagewood, Ext 10, MIDRAND 1686, Gauteng, SOUTH AFRICA, South Africa ~72: KOTSOKOANE, Regopotswe Horace;PRETORIUS, Karen~

2026/09300 ~ Provisional ~54:6-SEATER EXTENDED CREW TRUCK CAB WITH A SLEEPERBENCH IN THE CAB ~71:Mzimasi Ntsotho, Gelukspan Farm Road 63, South Africa ~72: Mzimasi Ntsotho~

2026/09304 ~ Complete ~54:BISPECIFIC CHIMERIC ANTIGEN RECEPTORS TARGETING CD20 AND BCMA ~71:ABELZETA INC., 9605 MEDICAL CENTER DRIVE, SUITE 100, ROCKVILLE, MARYLAND 20850, UNITED STATES OF AMERICA, United States of America ~72: HUANG, Jiaqi;LUO, Xiaobing;WEI, Yutian;YAO, Xin;YAO, Yihong;ZHU, Shigui~ 33:US ~31:63/493,495 ~32:31/03/2023;33:US ~31:63/509,371 ~32:21/06/2023

2026/09315 ~ Complete ~54:2-BROMO-LSD SALTS AND POLYMORPHS ~71:BLIFE THERAPEUTICS INC., 1275 West 6th Avenue, Suite 300, Canada ~72: RUDGE, Scott;SHESHBARADARAN, Hooshmand~

2026/09322 ~ Complete ~54:GAMMA SOURCE TERM MEASURING DEVICE BASED ON HIGH-PURITY GERMANIUM DETECTOR ~71:Anqing Normal University, No. 128, Linghu South Road, People's Republic of China ~72: LI Shurong;WANG Weidong;WANG Yingli;WU Yiheng~ 33:CN ~31:2024106004669 ~32:15/05/2024

2026/09333 ~ Complete ~54:SPRAYER UNIT AND OUTLET COMPRISING A SPRAYER UNIT, AND METHOD FOR OPERATING THE SPRAYER UNIT ~71:L'OREAL, 14 rue Royale, 75008, Paris, France ~72: LOUIS, Florence;LUDER, Fanny;MARETTE, Alexis;RAEBER, Patrick~ 33:CH ~31:CH000439/2024 ~32:23/04/2024;33:CH ~31:CH000909/2024 ~32:29/08/2024

2026/09334 ~ Complete ~54:4-(HETERO)ARYL-7-(HETERO)ARYL-2-METHYL-5-OXO-1,4,5,6,7,8-HEXAHYDROQUINOLINE-3-CA RBOXYLIC ACID DERIVATIVES AS CORONIN-1 MODULATORS ~71:NXI THERAPEUTICS AG, Spitalstrasse 41, 4056, Basel, Switzerland;UNIVERSITÄT BASEL, Vizerektorat Forschung, Petersgraben 35, 4001, Basel, Switzerland ~72: ERNI, Reto;GEORGE, Pascal;GRATIEN, Gilles-Olivier;HERRENDORFF, Ruben;JAYACHANDRAN, Rajesh;JIMENEZ TEJA, Daniel;PIETERS, Jean~ 33:EP ~31:24168329.1 ~32:03/04/2024

2026/09307 ~ Complete ~54:ENCODING METHOD, DECODING METHOD, BITSTREAM, ENCODER, DECODER AND STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No.18 Haibin Road, Wusha, Chang'an, Dongguan, Guangdong, 523860, People's Republic of China ~72: HUO, Junyan;LI, Ming;MA, Yanzhuo;QIAO, Wenhan;YANG, Fuzheng~

2026/09310 ~ Complete ~54:IMPROVED DIAGNOSIS OF METABOLIC DYSFUNCTION-ASSOCIATED STEATOHEPATITIS ~71:GENFIT, 885 AVENUE EUGÈNE AVINÉE, 59120 LOOS, FRANCE, France ~72: ALARD, Bérénice;DEHORNOIS, Morgane;MAGNANENSI, Jérémy;MAJD, Zouher~ 33:EP ~31:24305304.8 ~32:26/02/2024

2026/09314 ~ Complete ~54:LIQUID, STORAGE STABLE, DIRECTLY INJECTABLE, PANTOPRAZOLE FORMULATIONS, THEIR USES AND MANUFACTURING ~71:ETICO LIFESCIENCES PRIVATE LIMITED, Plot No 121&122, ALEAP Industrial Estate, Pragathi Nagar, India;HYLORIS DEVELOPMENTS SA, Boulevard Patience et Beaujonc N°3/1, Belgium ~72: BACHUPALLY, Ajay Kumar;BODAGALA, Venkata Radha Krishna;KONDAVEETI, Soumya;MULE, Shanmukha Srinivas;PATIL, Atul;THONDAPU, Sravan Kumar~ 33:IN ~31:202441010935 ~32:01/03/2024;33:IN ~31:202441015501 ~32:01/03/2024

2026/09317 ~ Complete ~54:SAMPLE MATERIAL BAG, ARRANGEMENT, AND METHOD OF COLLECTING WET SAMPLE MATERIAL OBTAINED FROM A DRILL HOLE ~71:IMA ENGINEERING LTD. OY, Sinikalliontie 3 B, ESPOO 02630, FINLAND, Finland ~72: AURANEN, Ilpo;RAATIKAINEN, Jukka~

2026/09362 ~ Complete ~54:VEHICLE DOOR MODE SWITCHING APPARATUS, VEHICLE, AND CONTROL METHOD ~71:CHERY AUTOMOBILE CO., LTD., No.8, Changchun Road, Economy & Technology Development Zone, Wuhu, People's Republic of China ~72: LI, Xin;LIU, Shuzhan;YU, Kesheng~ 33:CN ~31:2025102637188 ~32:06/03/2025

. - APPLIED ON 2026/09/25 -

2026/09353 ~ Complete ~54:WEAR MEMBER ASSEMBLY WITH COLLARED FASTENING ASSEMBLY ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779, Dallas, Texas, 75229, United States of America ~72: HYMAS, David M;PITTS, Sean M~ 33:US ~31:63/329,794 ~32:11/04/2022;33:US ~31:18/189,515 ~32:24/03/2023

2026/09368 ~ Complete ~54:SOLAR CELL MODULE, PHOTOVOLTAIC DEVICE, ELECTRIC APPARATUS, AND POWER GENERATION APPARATUS ~71:CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, No. 2 Xingang Road, Zhangwan Town, Jiaocheng District, People's Republic of China ~72: LIU, Xiao;TU, Bao;XIE, Qiaowen~ 33:CN ~31:202422704273.6 ~32:06/11/2024

2026/09377 ~ Complete ~54:LYSOSOMAL TARGETING BIFUNCTIONAL MOLECULES FOR DEGRADATION OF THYROID STIMULATING HORMONE RECEPTOR AUTOANTIBODIES ~71:LYCIA THERAPEUTICS, INC., 400 East Jamie Court, Suite 200, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: LINDHOUT, Darrin Anthony;SHURTLEFF, Matthew~ 33:US ~31:63/571,393 ~32:28/03/2024

2026/09380 ~ Complete ~54:METHODS AND APPARATUSES FOR ON DEMAND SYSTEM INFORMATION CONFIGURATION AND ACQUISITION ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: ALFARHAN, Faris;KINI, Ananth;MARINIER, Paul;RAO, Jaya;SALIM, Umer~ 33:US ~31:63/572,865 ~32:01/04/2024

2026/09358 ~ Complete ~54:A WEAR MEMBER ASSEMBLY FOR EXCAVATING EQUIPMENT ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779, Dallas, Texas, 75229, United States of America ~72: BILAL, Mohamad Youssef;KIYAMA, Yusuke;PITTS, Sean M~ 33:US ~31:63/329,807 ~32:11/04/2022;33:US ~31:18/190,785 ~32:27/03/2023

2026/09363 ~ Complete ~54:HEXABENZOCORONENE-BASED METAL ORGANIC FRAMEWORK CAPABLE OF DIRECTED MODIFICATION, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:NANKAI UNIVERSITY, No.38 Tongyan Road, Haihe Education Park, Jinnan District, Tianjin, 300350, People's Republic of China ~72: BU, Xianhe;LI, Cha;PANG, Jiandong;XI, Xiaojuan;ZHANG, Hao~ 33:CN ~31:202411633724.X ~32:15/11/2024

2026/09366 ~ Complete ~54:POURING DEVICE FOR A BOTTLE-SHAPED CONTAINER, BOTTLE-SHAPED CONTAINER, AND METHOD FOR PRODUCING A BOTTLE-SHAPED CONTAINER ~71:MAYR-MELNHOF KARTON AG, Brahmsplatz 6, Austria ~72: Jakob KÜHNEN;Martin ALBERTSHAUSER~ 33:EP ~31:24167400.1 ~32:28/03/2024

2026/09370 ~ Complete ~54:PROCESSES FOR PRODUCING OPTICAL EFFECTS LAYERS ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: BAUDIN, Gisèle;BENNINGER, Nathalie;JACOT-DESCOMBES, Etienne;STRUMMIELLO, Antonio~ 33:EP ~31:24159980.2 ~32:27/02/2024

2026/09383 ~ Provisional ~54:SIDETIPPER AUTOMAT3D SELF TARPING SYSTEM ~71:Shaun Wellesley Mommsen, Plot 27, Barberton rd R40, South Africa ~72: Shaun W Mommsen~

2026/09357 ~ Complete ~54:A WEAR MEMBER ASSEMBLY FOR EXCAVATING EQUIPMENT ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779, Dallas, Texas, 75229, United States of America ~72: BILAL, Mohamad Youssef;KIYAMA, Yusuke;PITTS, Sean M~ 33:US ~31:63/329,807 ~32:11/04/2022;33:US ~31:18/190,785 ~32:27/03/2023

2026/09340 ~ Provisional ~54:RECESSED SPARE WHEEL COMPARTMENT FOR A PICKUP VEHICLE LOAD BED ~71:Vuyisile Alpheus Pholwana, 18542 Extension 8, Boitekong, South Africa ~72: Vuyisile Alpheus Pholwana~

2026/09346 ~ Provisional ~54:NON-INVASIVE BATTERY ISOLATOR INTERLOCK AND REAL-TIME STATUS MONITORING SYSTEM ~71:Petrus Jacobus Johannes Van Staden, Plaas Aanmekaar, Dewetsdoep, 9940, South Africa;Yolandie Wilhelmina Catherina Harmse, 78 Seodin Road, Kuruman, 8460, South Africa ~72: Petrus Jacobus Johannes Van Staden;Yolandie Wilhelmina Catherina Harmse~

2026/09350 ~ Complete ~54:A PROCESS TO PRODUCE RENEWABLE FUELS ~71:SEAH4 (PTY) LTD, 7 Wicklow Road, Amberley, Unit 10, South Africa ~72: BOCHDALOFSKY, Johannes Nikolas~

2026/09351 ~ Complete ~54:SECURE DIGITAL MEMORY PRESERVATION SYSTEM AND METHOD USING QR CODES WITH GEOLOCATION-BASED ACCESS CONTROL ~71:GRAHAM THEOLAN IGNATIUS ABRAHAMS, 58 Long Way, South Africa ~72: ABRAHAMS, Graham Theolan Ignatius~ 33:ZA ~31:2026/04177 ~32:16/04/2026

2026/09355 ~ Complete ~54:PRODUCTION OF POMEGRANATE WINE ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, Western Cape, 7600, South Africa ~72: EZEORA, Kasiemobi;FAWOLE, Olaniyi Amos;OPARA, Umezuruike Linus;SETATI, Mathabatha Evodia~ 33:GB ~31:2516029.2 ~32:26/09/2025

2026/09367 ~ Complete ~54:AN ANCHORING DEVICE, A CABLE BOLT AND METHODS OF USE THEREOF ~71:NICRAPHAR PTY LTD, 27 Hughes St, Australia ~72: WALD, Robert~ 33:AU ~31:2024900482 ~32:27/02/2024

2026/09371 ~ Complete ~54:COMPOSITION ~71:GIVAUDAN SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: DURAND, Camille;FEUILLERE, Nicolas;JOLIBOIS, Justine;LECOZANNET, Romain;NARANJO MODAD, Sandra;PALLISSE BERGWERF, Roser~ 33:GB ~31:2402670.0 ~32:26/02/2024

2026/09376 ~ Complete ~54:METHODS OF TREATMENT OF NEUROLOGICAL DISORDERS ~71:PRAXIS PRECISION MEDICINES, INC., 99 High Street, 30th Floor, BOSTON 02110, MA, USA, United States of America ~72: HANSEN, Karl;HARD, Marjie~ 33:US ~31:63/570,200 ~32:26/03/2024;33:US ~31:63/572,886 ~32:01/04/2024;33:US ~31:63/651,743 ~32:24/05/2024;33:US ~31:63/657,910 ~32:09/06/2024;33:US ~31:63/682,558 ~32:13/08/2024;33:US ~31:63/689,392 ~32:30/08/2024;33:US ~31:63/708,100 ~32:16/10/2024

2026/09378 ~ Complete ~54:PEPTIDE CONJUGATES ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: BURNETT, G. Leslie;QUINTANA, Elsa;SHIFRIN, Nataliya Tovbis;TYE, Mark~ 33:US ~31:63/575,310 ~32:05/04/2024

2026/09379 ~ Complete ~54:PEPTIDE CONJUGATES ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: BURNETT, G. Leslie;QUINTANA, Elsa;SEAMON, Kyle;SHIFRIN, Nataliya Tovbis;TYE, Mark;WELLER, Caroline E~ 33:US ~31:63/575,095 ~32:05/04/2024

2026/09342 ~ Provisional ~54:SYSTEM AND METHOD FOR GEOGRAPHIC STRUCTURING OF FINANCIAL ACCOUNTING LEDGERS ~71:Crystal Ann Aereboe, 194 Riverside Lifestyle Estate, South Africa ~72: Crystal Ann Aereboe~

2026/09347 ~ Provisional ~54:TAMPER-RESISTANT DIGITAL SAFETY IDENTIFICATION AND EMERGENCY RESPONSE WEARABLE SYSTEM ~71:Siyalakha Puzo, Ntabankulu Road, South Africa ~72: SIYALAKHA PUZO~

2026/09349 ~ Complete ~54:INTELLIGENT FERTILIZATION APPARATUS WITH MAGNETIZED VORTEX EROSION ~71:Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia Autonomous Region, 010031, People's Republic of China;Inner Mongolia Agricultural University, No. 306 Zhaowuda Road, Saihan District, Hohhot City, Inner Mongolia Autonomous Region, 010018, People's Republic of China;Inner Mongolia Agricultural and Animal Husbandry Extension Center, No. 60 Ordos East Street, Saihan District, Hohhot City, Inner Mongolia Autonomous Region, 010011, People's Republic of China;Inner Mongolia University, Daxue West Street, Saihan District, Hohhot City, Inner Mongolia Autonomous Region, 010020, People's Republic of China;Meteorological Data Center of Inner Mongolia, No. 49, Hailar Street, Xincheng District, Hohhot City, Inner Mongolia Autonomous Region, 010051, People's Republic of China;Qingdao University of Technology, No. 777 Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China;Zhengzhou University, No. 100 Science Avenue, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: BAI, Yunlong;CHEN, Liyu;HOU, Peng;LI, Xianyue;LI, Yuhuan;LIU, Zeyuan;TAO, Rui;YANG, Xu;YU, Ruihong~

2026/09375 ~ Complete ~54:ANTI-EPHRIN B2 ANTIBODIES AND METHODS OF USE ~71:MEDIAR THERAPEUTICS, INC., 20 Overland Street, Suite 520, BOSTON 02215, MA, USA, United States of America ~72: DEVINE, Erin;ESPELIN, Christopher;HIGGINSON-SCOTT, Nathan;KIPRONO, Timothy;TAVARES, Daniel;YAWORSKY, Paul~ 33:US ~31:63/570,724 ~32:27/03/2024

2026/09582 ~ Provisional ~54:MGABADELI MASTER HERB ~71:Fannie, P O BOX 259, South Africa ~72: FANNIE JEREMIAH DLADLA~ 33:ZA ~31:2025/06861 ~32:08/08/2025

2026/09341 ~ Provisional ~54:IMPROVEMENTS IN OR RELATING TO MUTUALLY AUTHENTICATED IN-APPLICATION COMMUNICATION BETWEEN AN INSTITUTION AND A CUSTOMER, INCLUDING ENROLMENT, KEY LIFECYCLE, SESSION VERIFICATION, AUDIT AND CONTACT-CENTRE INTEGRATION ~71:Didusec (Pty) Ltd, Wembley, 1st Floor, The Campus, 57 Sloane Street, Bryanston, South Africa ~72: Lesedi Molema;Stan Molema;Tshepo Molema~

2026/09364 ~ Complete ~54:CENTRIFUGAL FORCE PREVENTION SYSTEM ~71:PEDIADITAKIS, Stavros, Spili, Agios Vasiliou, Greece ~72: PEDIADITAKIS, Stavros~ 33:GR ~31:20240100312 ~32:01/05/2024

2026/09373 ~ Complete ~54:LAUNDRY COMPOSITION ~71:GIVAUDAN SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: MIRZA, Muhammad~ 33:US ~31:63/558,621 ~32:27/02/2024

2026/09344 ~ Provisional ~54:THREE-PHASE ELECTRICAL SUPPLY PROTECTION, PHASE-ROUTING AND DIAGNOSTIC SYSTEM ~71:Petrus Cornelius Jansen Van Vuuren, 19 KROMELLENBOOG STREET, South Africa ~72: Petrus Cornelius Jansen Van Vuuren~

2026/09354 ~ Complete ~54:WEAR MEMBER ASSEMBLY WITH COLLARED FASTENING ASSEMBLY ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779, Dallas, Texas, 75229, United States of America ~72: HYMAS, David M;PITTS, Sean M~ 33:US ~31:63/329,794 ~32:11/04/2022;33:US ~31:18/189,515 ~32:24/03/2023

2026/09365 ~ Complete ~54:SYSTEM AND METHODS FOR NON-INVASIVE LOCALIZED TISSUE HEATING WITH IMAGE GUIDANCE ~71:INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IIT MADRAS), The Dean, Industrial Consultancy & Sponsored Research, Indian Institute of Technology Madras, Sardar Patel Road, IIT P.O., CHENNAI, 600036, India;MORPHO INNOVATIONS PVT. LTD., No. 68/13, Nehru 4th Street, Kumarannagar, Padi, CHENNAI 600050, India ~72: AISHWARYA, G;ARUNACHALAM, Kavitha;CHOUDHARY, Rahul;GANAPATHY, Jagan;NAIR, Gautam;RAMU, Subash Muthu Rattina~ 33:IN ~31:202441005066 ~32:25/02/2024

2026/09343 ~ Provisional ~54:DAP - DOOR ACCIDENT PROTECTION. ~71:Sihle Ngcamu, 19 Acacia Avenue, South Africa ~72: Sihle Ngcamu~

2026/09345 ~ Provisional ~54:NON-ELECTRIC SHOCK-TUBE INITIATION SYSTEM AND APPARATUS WITH DISTRIBUTED ELECTRONIC DELAY TIMING ~71:DAVIS, Dustin, Michael, UNIT 17 HIGHVELD MEWS, 9 TEGEL AVENUE, HIGHVELD, CENTURION 0157, SOUTH AFRICA, South Africa ~72: DAVIS, Dustin, Michael~

2026/09348 ~ Complete ~54:DYNAMIC TOPOLOGY MAINTENANCE METHOD FOR WIRELESS SENSOR NETWORK ORIENTED TO LARGE-SCALE DEPLOYMENT ~71:Hebei Normal University of Science & Technology, No. 360, West section of Hebei Street, Haigang Dist., Qinhuangdao, Hebei, People's Republic of China ~72: Li Han~

2026/09352 ~ Complete ~54:A GESTURE CONTROLLED ASSISTANCE SYSTEM FOR BLIND AND MUTE PEOPLE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BONDE, Parag;GHUGE, Siddhi;JOSHI, Prathmesh;KOTHARI, Yash;MALSANE, Akash;MARATHE, Abha;PARKHI, Vrinda;WYAWAHARE, Medha~

2026/09356 ~ Complete ~54:REINFORCED WEAR MEMBER ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779, Dallas, Texas, 75229, United States of America ~72: ZELKOVICH, Evan M~ 33:US ~31:63/330,424 ~32:13/04/2022;33:US ~31:18/187,536 ~32:21/03/2023

2026/09369 ~ Complete ~54:CONDUCTOR LINE SYSTEM ~71:CONDUCTIX-WAMPFLER GMBH, Rheinstrasse 27+33, Germany ~72: Dietmar LANG~ 33:DE ~31:10 2024 114 021.6 ~32:17/05/2024

2026/09372 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:KONINKLIJKE PHILIPS N.V., High Tech Campus 34, EINDHOVEN 5656 AE, THE NETHERLANDS, Netherlands ~72: DRAAK, Johannes Wilhelmus;EGENTER, Christian Otto;FRICKER, Raphael Maximilian;LEBENS, Pascal Leonard Maria Theodoor~ 33:EP ~31:24160173.1 ~32:28/02/2024

2026/09374 ~ Complete ~54:POLYPEPTIDE OLIGONUCLEOTIDE CONJUGATE FOR INHIBITING EXPRESSION OF TARGET GENE IN CENTRAL NERVOUS SYSTEM 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;FU, Tiancheng;LIANG, Hao;LIN, Yingying;LIU, Xinjian;QIAN, Changgeng;WENG, Yunwo~ 33:CN ~31:202410368843.0 ~32:28/03/2024;33:CN ~31:202411353131.8 ~32:26/09/2024

. - APPLIED ON 2026/09/28 -

2026/09428 ~ Provisional ~54:MEDICAL DEVICE WITH ACCESSORIES AND USER I/D FOR AUTOMATED IV-CATHETER INSERTION ~71:SA-AYDIEN ALLY, 162 FIFTH AVENUE, DISCOVERY EXT 9, GAUTENG, South Africa ~72: SA-AYDIEN ALLY~

2026/09386 ~ Provisional ~54:PHASE ENERGY STORAGE SYSTEM (PESS) FOR MINES ~71:ALEXANDER JAMES ADAMS, 143 circle road, South Africa ~72: ALEXANDER JAMES ADAMS~

2026/09400 ~ Complete ~54:MAILING PACKAGE ~71:IDEMIA FRANCE, 2 place Samuel de Champlain, COURBEVOIE 92400, FRANCE, France ~72: COUGOULIC, M. Xavier~ 33:FR ~31:2511161 ~32:29/09/2025

2026/09402 ~ Complete ~54:INSTALLATION AND METHOD FOR SUPPRESSING DUST ARISING FROM A BULK MATERIAL ~71:SLP HOLDINGS INCORPORATED, 6S270 DENSMORE ROAD, AURORA, United States of America ~72: TIMOTHY RICHARD LULEWICZ~

2026/09406 ~ Complete ~54:SYSTEM AND METHOD FOR CLOUD-BASED CONTACT CENTER INTEGRATION AND INTELLIGENT INTERACTION PROCESSING ~71:Teja Pavan Kalyan Tangellapalli, 209 castle Rock Dr, Melissa, Texas, 75454, United States of America;Veeramma Ponnada, 209 castle Rock Dr, Melissa, Texas, 75454, United States of America;Yashwanth Allaparthi, 209 castle Rock Dr, Melissa, Texas, 75454, United States of America ~72: Teja Pavan Kalyan Tangellapalli;Veeramma Ponnada;Yashwanth Allaparthi~

2026/09409 ~ Complete ~54:AN AI-DRIVEN PREDICTIVE AUTO-SCALING SYSTEM FOR SLA-AWARE CLOUD RESOURCE MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER

MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: AGARWAL, Suvan Vinodkumar;GAIKWAD, Vishal Suresh;MAGA, Hanmant D;PESHAVE, Chinmay Vivek;THALKARI, Shree Rajendra~

2026/09416 ~ Complete ~54:MODULATORS OF TNF-ALPHA ACTIVITY ~71:FORWARD THERAPEUTICS, INC., P.O. Box 31599, Palm Beach Gardens, United States of America ~72: FUKASE, Yoshiyuki;KANOUNI, Toufike~ 33:US ~31:63/573,786 ~32:03/04/2024;33:US ~31:63/673,995 ~32:22/07/2024;33:US ~31:63/738,425 ~32:23/12/2024

2026/09384 ~ Provisional ~54:SYSTEM AND METHOD FOR DRIFT-PROOF PER-CHARACTER PROVENANCE OF HUMAN DIGITAL EFFORT BY LOG-ANCHORED DURABLE IDENTITY WITH DETERMINISTIC FOLD DERIVATION, DURABLE-EVIDENCE-BACKED ATTRIBUTION GUARDS, MULTI-LEDGER RECONCILIATION ACROSS A PLURALITY OF DURABILITY TIERS, AND PORTABLE MANIFEST-BOUND INTERCHANGE WITH FOREIGN-IDENTITY ADOPTION ACROSS DOCUMENTS AND TOOLS ~71:Phillip Danial Gimmi, 20 Duiker Close, South Africa ~72: Phillip Danial Gimmi~

2026/09393 ~ Provisional ~54:DISKOVALIST BRAIN BOX ~71:Alo Adesoji Abayomi, Unit 1 Fairfield Village Sinoville Pretoria South Africa, South Africa;Diskovalist Pty Ltd, Bridge Office Park, 570 Fehrsen St, Brooklyn, South Africa ~72: Alo Adesoji Abayomi~

2026/09397 ~ Complete ~54:PERMEATION-TYPE ENEMA TREATMENT DEVICE ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No. 149, Dalian Road, Huichuan District, Zunyi City, Guizhou Province, People's Republic of China ~72: Demin Hu;Deping Li;Ling Wang;Qingxiang Dai;Qiumei Wang;Shengping Bai;Wei Chen;Xia Xu;Xingchan Zhao;Yan Chen~

2026/09404 ~ Complete ~54:AN IOT-BASED SYSTEM FOR REAL-TIME AMMONIA DETECTION AND PREDICTIVE ANALYTICS IN POULTRY FARM ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DABHADE, Shivraj Dattatray;DESHMUKH, Minal;DESHPANDE, Pallavi;GAWANDE, Pravin;GHULE, Gauri;JAGTAP, Sejal Sayaji;RATNAPARKHI, Archana;SHARMA, Kajal Ajay~

2026/09408 ~ Complete ~54:AN AI-BASED SYSTEM FOR AUTOMATED DETECTION AND CLASSIFICATION OF PLANT LEAF DISEASES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHINCHOLE, Mayuri Pratap;DESHMUKH, Minal;DESHPANDE, Pallavi;GAWANDE, Pravin;GHULE, Gauri;JATHAV, Anuja Arun;RATNAPARKHI, Archana;SHIPATE, Manaswi Schin~

2026/09415 ~ Complete ~54:MULTISPECIFIC AND COSTIMULATORY ANTIBODY CONSTRUCTS AND METHODS OF USE THEREOF ~71:ZYMEWORKS BC INC., 114 East 4th Avenue, Suite 800, Canada ~72: AFACAN, Nicole;BHOJANE, Purva Prashant;CANALS HERNAEZ, Diana;DESJARDINS, Geneviève;ESCALANTE, Nichole K.;LAU, Desmond Ka Wing;NEWHOOK, Lisa;PEREZ ESCANDA, Diego;PISCITELLI, Chayne L.;REPENNING, Peter;SPRETER VON KREUDENSTEIN, Thomas;WEISSER, Nina E.~ 33:US ~31:63/560,940 ~32:04/03/2024;33:US ~31:63/575,343 ~32:05/04/2024;33:US ~31:63/638,215 ~32:24/04/2024;33:US ~31:63/685,886 ~32:22/08/2024;33:US ~31:63/730,303 ~32:10/12/2024

2026/09421 ~ Complete ~54:COMPOSITIONS, METHODS, AND SYSTEMS FOR TREATING PRESBYOPIA ~71:LENZ THERAPEUTICS OPERATIONS, INC., 201 Lomas Santa Fe Drive, Suite 300, United States of America ~72: HORN, Gerald~ 33:US ~31:18/606,372 ~32:15/03/2024;33:US ~31:63/565,668 ~32:15/03/2024;33:US ~31:63/565,672 ~32:15/03/2024;33:US ~31:63/565,674 ~32:15/03/2024;33:US ~31:63/565,679 ~32:15/03/2024;33:US ~31:63/565,687 ~32:15/03/2024;33:US ~31:63/565,692 ~32:15/03/2024;33:US ~31:63/573,626 ~32:03/04/2024;33:US ~31:63/573,630 ~32:03/04/2024;33:US ~31:63/573,632 ~32:03/04/2024;33:US ~31:63/573,636 ~32:03/04/2024;33:US ~31:63/573,640 ~32:03/04/2024;33:US ~31:63/573,641 ~32:03/04/2024;33:US ~31:63/660,848 ~32:17/06/2024;33:US ~31:63/660,853 ~32:17/06/2024;33:US ~31:63/660,858 ~32:17/06/2024;33:US ~31:63/660,959 ~32:17/06/2024;33:US ~31:63/660,962 ~32:17/06/2024;33:US ~31:63/660,969 ~32:17/06/2024;33:US ~31:18/939,325 ~32:06/11/2024

2026/09388 ~ Provisional ~54:A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR GEOGRAPHIC OPTIMISATION OF MULTI- RETAILER ORDER FULFILMENT ~71:Jackson Motena, 212 Church Street, South Africa ~72: Jackson Motena~

2026/09407 ~ Complete ~54:AN AI-DRIVEN ADAPTIVE REPLICATION PRIORITY ENGINE FOR INTELLIGENT MULTI-CLOUD DISASTER RECOVERY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: GUPTA, Anurag;KUMBHAR, Parnika Anil;MAGAR, Hanmant D;MIRAJKAR, Riddhi R;SOMVANSHI, Soham Dayanand~

2026/09387 ~ Provisional ~54:A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR GEOGRAPHIC OPTIMISATION OF MULTI- RETAILER ORDER FULFILMENT ~71:Jackson Motena, 212 Church Street, South Africa ~72: Jackson Motena~

2026/09398 ~ Complete ~54:ENEMA DEVICE FOR DIGESTIVE DEPARTMENT PATIENT CARE ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No. 149, Dalian Road, Huichuan District, Zunyi City, Guizhou Province, People's Republic of China ~72: Demin Hu;Huanhuan Chen;Ling Wang;Qingxiang Dai;Qiumei Wang;Shengping Bai;Wei Chen;Xia Xu;Xingchan Zhao;Yan Chen~

2026/09413 ~ Complete ~54:URBAN MULTI-DIMENSIONAL PROFILE PREDICTION METHOD INTEGRATING MULTI-SOURCE SPATIO-TEMPORAL DATA AND FEDERATED GRAPH LEARNING ~71:SHENZHEN UNIVERSITY, No. 3688, Nanhai Road, Nanshan District, Shenzhen, Guangdong, 518061, People's Republic of China ~72: CHEN, Xiana;LI, Mingxiao;LI, Qingquan;TU, Wei;XIA, Jizhe;YU, Junxian~ 33:CN ~31:202510324310.7 ~32:19/03/2025

2026/09419 ~ Complete ~54:METHOD AND APPARATUS FOR APPLYING PROPAGATION MATERIAL ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: DOROH, Mark;GABERTHUEEL, Matthias;HOFER, Dieter~ 33:EP ~31:24173261.9 ~32:30/04/2024

2026/09423 ~ Complete ~54:WEAR ASSEMBLY OF AN EARTHMOVING MACHINE, AND CORRESPONDING WEAR ELEMENT AND ADAPTER ~71:METALOGENIA RESEARCH & TECHNOLOGIES S.L., Àvila 45, 08005, Barcelona, Spain ~72: GIMENO TORDERA, Albert~ 33:EP ~31:24382473.7 ~32:30/04/2024

2026/09410 ~ Complete ~54:AN AI BASED CLOUD RESOURCE SCHEDULING SYSTEM TO MINIMIZE CARBON EMISSIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE,

MAHARASHTRA, 411048, India ~72: BAGAD, Surbhi Gajanan;BHOITE, Sonali P;LARDKHAN, Afrah Abdulhaq;LUNAWAT, Unnati Naginchand;MAGAR, Hanmant D;SHRIGIRI, Sneha Santosh~

2026/09425 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING CYTOCHROME P450 FAMILY 7 SUBFAMILY A MEMBER 1 (CYP7A1) EXPRESSION ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-Chome Chuo-ku Osaka-shi, Osaka, 541-0045, Japan ~72: ALLAN, Bernard;KO, Brian;KUMAR, Pawan;NAZEF, Naim;PICKENS, Jason~ 33:US ~31:63/568,617 ~32:22/03/2024

2026/09394 ~ Provisional ~54:A SYSTEM AND METHOD FOR SEASON-LINKED LOYALTY POINT ACCUMULATION, EXPIRY, AND REWARD DETERMINATION IN MULTI-SPORT ENVIRONMENTS ~71:Shorela George Moloi, 01 Minnaar Road, No 45, Edge of the Vaal Estate, South Africa ~72: Shorela George Moloi~ 33:ZA ~31:1 ~32:27/09/2026

2026/09401 ~ Complete ~54:AN ENERGY MONITORING AND PREDICTION SYSTEM ~71:WETILITY GLOBAL LIMITED, 14 Pritchard Court George Roche Road,, United Kingdom ~72: MOYABA, Kholofelo Michael;OGUGUO, Ikenna~ 33:ZA ~31:2025/08391 ~32:02/10/2025

2026/09405 ~ Complete ~54:A PRIVACY-AWARE ARTIFICIAL INTELLIGENCE ORCHESTRATION SYSTEM FOR COORDINATING AI EXECUTION BETWEEN EDGE DEVICES AND CLOUD INFRASTRUCTURE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: ATTAR, Amrin Sameer;GAVHALE, Gaurishankar Khanderao;MAGAR, Hanmant Dnyandeo;SALUNKE, Nikita Nagnath;SUKTE, Chudaman D.;VYAVHARE, Aniket Mahesh~

2026/09424 ~ Complete ~54:A MASONRY SYSTEM, A MASONRY, A METHOD OF CONSTRUCTING A MASONRY AND AN AGGREGATE FOR HOLDING A MOLTEN METAL ~71:REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, Wienerbergstraße 11, 1100, Wien, Austria ~72: ZIVANOVIC, Bojan~ 33:EP ~31:24183395.3 ~32:20/06/2024

2026/09426 ~ Complete ~54:TREATMENT FOR HEMANGIOMA ~71:AFT PHARMACEUTICALS LIMITED, Level 1, 129 Hurstmere Road, Takapuna, New Zealand;GILLIES MCINDOE RESEARCH INSTITUTE, 7 Hospital Road, Newtown, New Zealand;MASSEY VENTURES LIMITED, Massey University, Turitea Campus, 234 Tennent Drive, New Zealand ~72: ATKINSON, Hartley;GRAY, Clint;MACKAY, Sean;WHITE, Madeleine~ 33:AU ~31:2024202561 ~32:18/04/2024

2026/09430 ~ Provisional ~54:A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR DYNAMIC SHARED DELIVERY MATCHING AND DELIVERY-FEE ALLOCATION ~71:Jackson Motena, 212 Church Street, South Africa ~72: Jackson Motena~

2026/09390 ~ Provisional ~54:KAGISO SAFETY VEST ~71:Kelilimetse valencia Rakhetsi, 10174 Koekoe village, South Africa ~72: Kelilimetse valencia Rakhetsi~

2026/09403 ~ Complete ~54:ELECTRICITY LOAD MANAGEMENT DEVICE ~71:Keith Graham HOLMES, 20 Seeles Road, Monteseel, Inchanga, South Africa ~72: HOLMES, Keith Graham~ 33:ZA ~31:2025/05445 ~32:26/06/2025

2026/09420 ~ Complete ~54:TEST DEVICE AND TEST METHOD FOR TRACK INTERFERENCE BEHAVIOR IN ULTRASONIC IMPACT STRENGTHENING ~71:Jimei University, No. 185 Yinjiang Road, Jimei District, Xiamen, Fujian, 361000, People's Republic of China ~72: Hao Qin;Jianchun Weng;Linqing Gong;Xuming Zha;Yi Li;Yunwu Guo;Zhilong Xu~ 33:CN ~31:2024102274033 ~32:29/02/2024

2026/09427 ~ Complete ~54:SYSTEM AND METHOD FOR CHARGING PLURALITY OF WORK MACHINES ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: KUMAR, Pankaj~ 33:US ~31:18/616,650 ~32:26/03/2024

2026/09396 ~ Complete ~54:AUTOMATIC IRRIGATION DEVICE FOR GREENHOUSE CULTIVATION ~71:Xizang Zangjia Agricultural Technology Co,. Ltd, 13 Guojizongbucheng Liuwu, Lasa Xizang, People's Republic of China ~72: Xiaoling Jla~

2026/09399 ~ Complete ~54:A PREDICTION METHOD AND SYSTEM FOR MULTI VARIABLE SEA SURFACE TEMPERATURE ~71:Hebei Normal University of Science & Technology, No. 360, West section of Hebei Street, Haigang Dist., Qinhuangdao, Hebei, People's Republic of China ~72: Fan Gao;Tao Liu;Xiao Chen~

2026/09412 ~ Complete ~54:TRISPECIFIC ANTIBODY CONSTRUCTS TARGETING DLL3 AND METHODS OF USE THEREOF ~71:ZYMEWORKS BC INC., 114 East 4th Avenue, Suite 800, Canada ~72: AFACAN, Nicole;BHOJANE, Purva Prashant;CANALS HERNAEZ, Diana;DESJARDINS, Geneviève;ESCALANTE, Nichole K.;LAU, Desmond Ka Wing;NEWHOOK, Lisa;PEREZ ESCANDA, Diego;PISCITELLI, Chayne L.;REPENNING, Peter;SPRETER VON KREUDENSTEIN, Thomas;WEISSER, Nina E.~ 33:US ~31:63/560,940 ~32:04/03/2024;33:US ~31:63/575,343 ~32:05/04/2024;33:US ~31:63/685,886 ~32:22/08/2024;33:US ~31:63/730,303 ~32:10/12/2024

2026/09414 ~ Complete ~54:GLUTAMINYL CYCLASE INHBITORS FOR USE IN THE TREATMENT OF KIDNEY DISEASE ~71:VIVORYON THERAPEUTICS N.V., Weinbergweg 22, Germany ~72: HEISER, Ulrich;HOFFMANN, Torsten;SCHAEFFER, Michael;TASLER, Stefan;WEBER, Frank;WENZKOWSKI, Christine~ 33:EP ~31:PCT/EP2024/061049 ~32:23/04/2024;33:EP ~31:24189162.1 ~32:17/07/2024

2026/09418 ~ Complete ~54:COMPACT SAWING MACHINE AND METHOD FOR USING SAME ~71:ROSSINGER ROBOTICS GMBH, Rossa 25, RAABS AN DER THAYA 3823, AUSTRIA, Austria ~72: ONDRACEK, Heinz~ 33:AT ~31:A50259/2024 ~32:22/03/2024

2026/09389 ~ Provisional ~54:V-ROCKTITE FRICTION ANCHOR ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2026/09391 ~ Provisional ~54:SMALL RETAIL COMPLIANCE PORTAL ~71:Small Retail Development Board NPC, 30 Patricia Street, South Africa ~72: Phikolomzi Sabelo namba~

2026/09392 ~ Provisional ~54:HOLSTER-BASED FIREARM AND EQUIPMENT TRACKING SYSTEM ~71:SA Thomson, 42 Mountain View Ave, South Africa ~72: Shane Alexander Thomson; Warwick Alexander Thomson~

2026/09395 ~ Complete ~54:AGRICULTURAL SEEDING TRAY ~71:Xizang Zangjia Agricultural Technology Co,. Ltd, 13 Guojizongbucheng Liuwu, Lasa Xizang, People's Republic of China ~72: Xiaoling Jla~

2026/09411 ~ Complete ~54:AN AI-DRIVEN PREDICTIVE RESOURCE ALLOCATION SYSTEM FOR DYNAMIC AUTO-SCALING IN CLOUD COMPUTING ENVIRONMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: KHANDEKAR, Saish Sanjay;KHODKUMBHE, Atharva Arun;MAGAR, Hanmant;RATHOD, Aditya Vijaykumar;SOGANI, Jayam Sunil~

2026/09417 ~ Complete ~54:DUAL SELECTION EXPRESSION VECTOR SYSTEMS FOR MULTI-CHAIN BIOLOGICS ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United

States of America ~72: BLANCO TALAVAN, Noelia;DARIS, Kristine M.;GOMEZ, Natalia;LE, Huong Thi Ngoc;ZAH, Eugenia~ 33:US ~31:63/559,778 ~32:29/02/2024

2026/09422 ~ Complete ~54:ENGINEERED RNA DEMETHYLASES FOR IMPROVED PLANT GROWTH ~71:THE UNIVERSITY OF CHICAGO, 5801 South Ellis Avenue, Chicago, Illinois, 60637, United States of America ~72: HE, Chuan;JIANG, Liudan;WEI, Jiangbo~ 33:US ~31:63/569,000 ~32:22/03/2024

2026/09385 ~ Provisional ~54:SYSTEM AND METHOD FOR MULTI-LAYER FORENSIC DETECTION OF HUMAN VERSUS AUTOMATED AUTHORSHIP AT THE CAPTURE SURFACE OF A THIRD-PARTY WEB EDITOR BY FUSING ORTHOGONAL CAPTURE-LAYER SIGNALS INTO A ONE-CLASS DETERMINATION THAT GATES CRYPTOGRAPHIC SEALING OF WRITING-PROCESS EVIDENCE, INCLUDING A PASTE-SOURCE SIGNAL DERIVED FROM EVENT-STREAM SIGNATURE WITHOUT ACCESS TO CLIPBOARD PAYLOAD ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Gimmi~

2026/09529 ~ Provisional ~54:INDIRECT CRYOGENIC HYDROGEN AND SECONDARY THERMAL EXCHANGE ARCHITECTURE WITH INTEGRATED CO-GENERATION UTILITY ENGINE FOR HIGH-DENSITY COMPUTE FACILITIES ~71:Hlumelo Mathe, 1112 NU 17 Mdantsane, South Africa ~72: Hlumelo Mathe~

2026/09471 ~ Provisional ~54:BARE-METAL OPERATING SYSTEM WITH AN INTEGRATED LARGE LANGUAGE MODEL INFERENCE KERNEL SUBSYSTEM ~71:Srinivas Kondepudi, Unit18, Rocklea close, sharonlea, randburg, South Africa ~72: Srinivas Kondepudi~

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2026/09464 ~ Complete ~54:METHOD AND APPARATUS FOR PRECODING DETERMINATION BASED ON AN ASSOCIATION BETWEEN REFERENCE SIGNAL PORT GROUPS AND GROUPS OF ANTENNAS OF THE APPARATUS ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: CANONNE-VELASQUEZ, Loic;COMSA, Virgil;HAGHIGHAT, Afshin;LEE, Moon IL;PARK, Jonghyun~ 33:US ~31:18/615,061 ~32:25/03/2024

2026/09466 ~ Complete ~54:EDGE-AWARE AIML ENABLER SERVICE FOR DISTRIBUTED AND SPLIT LEARNING ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: LIU, Lu;LY, Quang;MLADIN, Catalina;SEED, Dale~ 33:US ~31:63/575,366 ~32:05/04/2024

2026/09456 ~ Complete ~54:BICYCLIC AND HETEROCYCLIC AMIDE COMPOUNDS ~71:PROTEGO BIOPHARMA, INC., 6220 Greenwich Drive, Suite 110 San Diego, California 92122, United States of America;THE SCRIPPS RESEARCH INSTITUTE, 10550 North Torrey Pines Road, La Jolla, California, 92037, United States of America ~72: KELLY, Jeffery W;LABAUDINIERE, Richard F;PETRASSI, Hank Michael James;QIN, Bo;QIU, Huang;VAN HOUT, Sebastiaan Melvin Lambert;WILKENS, Steven J;YAN, Nicholas Lok~ 33:US ~31:63/641,313 ~32:01/05/2024

2026/09549 ~ Provisional ~54:PAY WALLET ~71:willy sfiso, Stand No 107 Phondweni Trust, South Africa ~72: willy sfiso~

2026/09433 ~ Provisional ~54:AUTOMATED RETAIL KIOSK SYSTEM AND METHOD ~71:JACOBS, MARLO JAMES, 10 PLAAITJIES WEG, ZOAR, South Africa ~72: JACOBS, MARLO JAMES~

2026/09439 ~ Complete ~54:A SEED POTATO CUTTING DEVICE FOR POTATO PLANTING ~71:NORTHWEST A&F UNIVERSITY, No.3 Taicheng Road, Yangling Demonstration Zone, Xianyang City,

Shaanxi Province, 712100, People's Republic of China ~72: CUI Nan;LUO Haiqiang;MENG Yuling;SHI Nan;SONG Yin;WANG Yuhao;ZHANG Peng~

2026/09442 ~ Complete ~54:ADAPTIVE PREDICTION SYSTEM FOR ADDING AND REMOVING AIR QUALITY MONITORING STATIONS ~71:Hunan Agricultural University, No. 1 Nongda Road, Furong District, Changsha, Hunan, People's Republic of China ~72: Yinzi Wang~

2026/09447 ~ Complete ~54:A SYSTEM AND METHOD FOR DETERMINING CELLULAR PROPERTIES OF RED BLOOD CELLS (RBCS) ~71:RAMAN RESEARCH INSTITUTE, C.V. RAMAN AVENUE, SADASHIVA, NAGAR, KARNATAKA, BENGALURU 560080, INDIA, India ~72: KAUSHIK, Saurabh;SONI, Vivek, Gautam~ 33:IN ~31:202341066337 ~32:03/03/2024

2026/09431 ~ Provisional ~54:DEMOUNTABLE ROOM SYSTEM FOR ERECTION ON A SUPPORT SURFACE ~71:C O Designs (Pty) Ltd, 16 DACRES AVENUE, EPPING TWO, South Africa ~72: PHILIP MASTERS;RAYMOND ANTHONY ELLERBECK~

2026/09461 ~ Complete ~54:AREATOR UNIT ~71:L'OREAL, 14 rue Royale, 75008, Paris, France ~72: LOUIS, Florence;MARETTE, Alexis~ 33:CH ~31:CH000440/2024 ~32:23/04/2024

2026/09468 ~ Complete ~54:SYSTEMS AND METHODS FOR ENABLING ADAPTATIVE IN-TIME SELECTION AND DISTRIBUTION OF ARTIFICIAL INTELLIGENCE/MACHINE LEARNING MODELS IN A WIRELESS SYSTEM ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: BRUSILOVSKY, Alec;METHENNI, Achref;OLVERA-HERNANDEZ, Ulises;ROY, Michel;SON, Jung Je;WANG, Zhibi~ 33:US ~31:63/574,426 ~32:04/04/2024

2026/09434 ~ Provisional ~54:BLASTING SYSTEM ~71:DETNET SOUTH AFRICA (PTY) LTD, Block 1B Founders Hill Office Park, Centenary Road, South Africa ~72: CHAUKE, Oscar~

2026/09437 ~ Provisional ~54:TIERED IDENTITY CONCORDANCE, TRANSACTION-BOUND AUTHORISATION TOKENS, AND POST-HOC CONSENT EVIDENCE IN A FEDERATED SEALED-IDENTITY SYSTEM ~71:Leonard Badi, 18 Rhodes Street, Goodwood Estates, South Africa ~72: Leonard Badi~

2026/09441 ~ Complete ~54:SYSTEM AND METHOD FOR IDENTIFYING IMMUNE FEATURES OF PATHOGENIC MICROORGANISM INFECTION ~71:General Hospital of Ningxia Medical University, 804 Shengli Street, Xingqing District, Yinchuan City, Ningxia, 750004, People's Republic of China ~72: LI, Mingyang;MA, Mengxue;MA, Xiaona;YANG, Ning'ai;YANG, Tingting;ZHANG, Jiamei;ZHANG, Xuemei~

2026/09459 ~ Complete ~54:IL-17 MODULATORS AND USES THEREOF ~71:INNOCARE PHARMA INC., 1209 Orange Street, Wilmington Delaware 19801, United States of America ~72: CHEN, Xiangyang;PANG, Yucheng;XU, Feiyang~ 33:US ~31:63/573,653 ~32:03/04/2024

2026/09436 ~ Provisional ~54:AN ENERGY APPARATUS AND SYSTEM ~71:WETILITY GLOBAL LIMITED, 14 Pritchard Court George Roche Road,, United Kingdom ~72: MOYABA, Kholofelo Michael;OGUGUO, Ikenna~

2026/09440 ~ Complete ~54:PROTECTIVE SUPPORT FRAME FOR PRONE POSITION VENTILATION ~71:The people's Hospital of Bozhou, No.3, Xuejiaxiang, Qiaocheng Dist., Bozhou, Anhui, People's Republic of China ~72: Tongliang Ma~

2026/09443 ~ Complete ~54:ARRANGEMENT OF A ROCK DRILLING RIG FOR ADJUSTING THE TENSION OF LINES OF A ROCK DRILLING MACHINE ~71:SANDVIK MINING AND CONSTRUCTION OY, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: LAPPALAINEN, Kari;LESKINEN, Martti~ 33:EP ~31:25205558.7 ~32:30/09/2025

2026/09444 ~ Complete ~54:METHODS AND REAGENTS FOR DETECTING AN ANTIBODY AGAINST LEISHMANIA ~71:EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, Seekamp 31, LUEBECK 23560, GERMANY, Germany ~72: GROESCH, Lisa;KRUSE, Tobias;MENGE, Babett;MESSING, Claudia;PROBST, Christian;STEMMANN, Nicole~ 33:EP ~31:25205714.6 ~32:30/09/2025

2026/09448 ~ Complete ~54:TRUNCATED RECOMBINANT L1 PROTEIN OF HUMAN PAPILLOMAVIRUS ~71:SK BIOSCIENCE CO., LTD., 38, Yeongudanji-ro, Yeonsu-gu, Republic of Korea;SUNFLOWER THERAPEUTICS, PBC, 18 Shipyard Drive, Suite 2A, United States of America ~72: CHUNG, Jin-Kyoo;CROWELL, Laura;HA, Kyung-Ho;JUNG, Gee-In;KIM, Na-Yeon;KIM, Yeon-Tae;LE, Minh;SHEETS, Michael~ 33:US ~31:63/563,554 ~32:11/03/2024

2026/09460 ~ Complete ~54:VALIDATING AIML MODELS ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: HAMIDI-RAD, Shahab;HASEGAWA, Fumihiro;LEE, Moon IL;NARAYANAN THANGARAJ, Yugeswar Deenoo;SHAH, Kunjan;TEYEB, Oumer;TOOHER, Patrick~ 33:US ~31:63/572,609 ~32:01/04/2024

2026/09465 ~ Complete ~54:METHODS, ARCHITECTURES, APPARATUSES AND SYSTEMS FOR FAILURE HANDLING FOR CONDITIONAL LAYER-2 MOBILITY ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: FREDA, Martino;KUBOTA, Keiichi;MARINIER, Paul;MARTIN, Brian;SALIM, Umer;TEYEB, Oumer;WATTS, Dylan~ 33:US ~31:63/571,866 ~32:29/03/2024

2026/09467 ~ Complete ~54:METHODS, ARCHITECTURES, APPARATUSES AND SYSTEMS FOR LOGICAL CHANNEL PRIORITIZATION ENHANCEMENTS FOR NETWORK CODING ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: ADJAKPLE, Pascal;ALFARHAN, Faris;CRAY, Justin;ELHOUSHY, Salah;FREDA, Martino;IJAZ, Ayesha;MARINIER, Paul;PELLETIER, Benoit;PELLETIER, Ghyslain~ 33:US ~31:18/641,689 ~32:22/04/2024

2026/09451 ~ Complete ~54:PEPTIDE COMPLEX HAVING ACTIVITIES OF PREVENTING OR TREATING FATTY LIVER DISEASE, AND USE THEREOF ~71:CAREGEN CO., LTD., 23 Yeoksam-ro 98-gil, Gangnam-gu, SEOUL 06188, REPUBLIC OF KOREA, Republic of Korea ~72: CHUNG, Yong Ji;JEONG, Ah Reum;KIM, Eun Mi;KIM, Seon Soo;LEE, Suyeon~ 33:KR ~31:10-2024-0054977 ~32:24/04/2024

2026/09453 ~ Complete ~54:DETECTION OF IMPAIRED DRIVING ~71:ACUSENSUS IP PTY LTD, Level 1, 31 Queen Street, MELBOURNE 3000, VICTORIA, AUSTRALIA, Australia ~72: JANNINK, Alexander;LEE, Chi-Jen~

2026/09462 ~ Complete ~54:FLUID SUPPLY SYSTEM ~71:MYCROBEZ AG, Grellingerstrasse 27, 4052, Basel, Switzerland ~72: BIRNBAUM, Simon;STAUB, Jonas Anton~ 33:EP ~31:24185425.6 ~32:28/06/2024

2026/09446 ~ Complete ~54:METHOD FOR GRADE CROSSING OCCUPANCY AVOIDANCE AND OPTIMIZATION ~71:TRANSPORTATION IP HOLDINGS, LLC, 901 Main Avenue, NORWALK 06851, CT, USA, United States of America ~72: BURGART, Phillip A.;GAWNE, Kendrick William;YOUNG, Alex James~ 33:US ~31:19/346,048 ~32:30/09/2025

2026/09696 ~ Provisional ~54:SECURITY FENCE WITH PHOTOVOLTAIC INFILL ~71:James Anderson, 64 Main Street, South Africa ~72: James Anderson~

2026/09432 ~ Provisional ~54:EVALUATION OF ECO-FRIENDLY ANTIMICROBIAL BIOCOMPOSITE NANOPARTICLE FINISHES AGAINST SELECTED BACTERIA FOR VETERINARY APPLICATIONS ~71:NORTH-WEST UNIVERSITY, 11 Hoffman Street, South Africa;TSHWANE UNIVERSITY OF

TECHNOLOGY, Staatsartillerie Road Pretoria West, South Africa ~72: MOLABA, Gantshe Germishys;MTSHALI, Khethiwe;SHAI, Leshweni Jeremiah;THEKISO, Oriel~

2026/09435 ~ Provisional ~54:LIIVRR APP ~71:Liivrr Pty Ltd, 96 11th st parkmore, South Africa;Zion Adeoye, 35 Fredman Drive Sandton, South Africa ~72: Liivrr Pty Ltd;Zion Adeoye~

2026/09438 ~ Provisional ~54:EDUCATION-TIER IDENTITY FOUNDING, AGE-AWARE BIOMETRIC COMMITMENT ROTATION, AND DELEGATED CONSENT IN A FEDERATED SEALED-IDENTITY SYSTEM ~71:Leonard Badi, 18 Rhodes Street, Goodwood Estates, South Africa ~72: Leonard Badi~

2026/09445 ~ Complete ~54:SYSTEM AND METHOD FOR DETECTING GROUND FAULTS ~71:TRANSPORTATION IP HOLDINGS, LLC, 901 Main Avenue, NORWALK 06851, CT, USA, United States of America ~72: HAAS, Carl L.;HENNIGES, Benjamin Lee;HOFFMANN, Bernrd Harald;KLEMANSKI, Richard Scott~ 33:US ~31:19/343,927 ~32:29/09/2025

2026/09449 ~ Complete ~54:IMMUNOMODULATORY FC-BASED FUSION PROTEIN AND USES THEREOF FOR THERAPY ~71:BLUE BEES THERAPEUTICS, Pépinière d'Entreprises Wipse Parc, Club Orsay Université, 21 Rue Jean Rostand, ORSAY 91400, FRANCE, France;COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, 25 rue Leblanc, Bat le Ponant, PARIS 75015, FRANCE, France ~72: DELUCE, Nora;LEONETTI, Michel~ 33:EP ~31:24168809.2 ~32:05/04/2024

2026/09450 ~ Complete ~54:INTEGRATED MILLIMETER WAVE (IMMW) BEAM TRAINING FOR MULTI-LINK OPERATION (MLO) ~71:QUALCOMM INCORPORATED, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: ASTERJADHI, Alfred;CHERIAN, George;CHISCI, Giovanni;NAIK, Gaurang;PATIL, Abhishek Pramod;YANG, Lin~ 33:US ~31:63/563,795 ~32:11/03/2024;33:US ~31:19/075,531 ~32:10/03/2025

2026/09455 ~ Complete ~54:NANOBUBBLE GENERATION SYSTEM ~71:NANOBUBBLE AGRITECH LIMITED, 40-42 Hurlstone Drive, New Zealand ~72: OVTCHARENKO, Daneel;POWER, Leon~

2026/09458 ~ Complete ~54:5'-MODIFIED MONOMERS, OLIGONUCLEOTIDES AND DOUBLE-STRANDED RNAS ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: DATTA, Dhrubajyoti;JADHAV, Vasant;MANOHARAN, Muthiah;NAIR, Jayaprakash K;NAKATA, Masaaki;PANARESE, Joe;SALINAS, Juan;SCHLEGEL, Mark K;SETH, Punit~ 33:US ~31:63/660,020 ~32:14/06/2024;33:US ~31:63/761,405 ~32:21/02/2025

2026/09463 ~ Complete ~54:THREE-DIMENSIONAL BIODEGRADABLE SHAPED MATERIALS FROM MYCELIUM-COLONIZED SUBSTRATE PULP AND METHODS FOR PRODUCTION THEREOF ~71:MYCROBEZ AG, Grellingerstrasse 27, 4052, Basel, Switzerland ~72: KROPF, Elena;STAUB, Jonas Anton~ 33:EP ~31:24173878.0 ~32:02/05/2024

2026/09469 ~ Complete ~54:CARBONATE PRECIPITATION FOR WATER CONTROL IN MINING OPERATIONS ~71:KOBOLD METALS COMPANY, 2021 Shattuck Avenue, Suite 210, Berkeley, California, 94704, United States of America ~72: DEC, Marta;HUNT, Thomas;THOMPSON, John~ 33:US ~31:63/570,507 ~32:27/03/2024

2026/09452 ~ Complete ~54:FORMULATIONS COMPRISING SELETRACETAM AND METHODS OF USE ~71:PREVEP, INC., 6410 Rockledge Drive, Suite 610, BETHESDA 20817, MD, USA, United States of America ~72: KLEIN, Pavel;RUNDFELDT, Chris~ 33:US ~31:63/573,548 ~32:03/04/2024

2026/09454 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING WATER-INSOLUBLE VITAMIN AND MIXED MICELLES ~71:B. BRAUN MELSUNGEN AG, Carl-Braun-Straße 1, MELSUNGEN 34212, GERMANY, Germany ~72: ADAMO, Vincent;SCHWEBEL, Herve~ 33:EP ~31:24171976.4 ~32:23/04/2024

2026/09457 ~ Complete ~54:HERBICIDE COMPOSITION COMPRISING NICOTINAMIDE COMPOUNDS AND SAFENERS ~71:FARMHANNONG CO., LTD., 24 Yeoui-daero, Yeongdeungpo-gu, Seoul, 07320, Republic of Korea ~72: AHN, Young Ock;CHOI, Junhyuk;KIM, Woo Hyoung;LIM, Ji Soo;PARK, Sung Jun;SIM, Jay~ 33:KR ~31:10-2024-0046781 ~32:05/04/2024

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2026/09483 ~ Complete ~54:HUMIC ACID/MAGNETIC BENTONITE COMPOSITE MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:XINJIANG SHENGDA YIFANG BIOTECHNOLOGY CO., LTD., No. 2, Shunying Road South, Naomaohu Industrial Park, Yiwu County, Hami City, Xinjiang Uygur Autonomous Region, 839000, People's Republic of China ~72: ZHANG, KUN~

2026/09491 ~ Complete ~54:AN AI-BASED DYNAMIC HONEYPOT SYSTEM FOR ENHANCED CYBER SECURITY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BARASKAR, Utkarsha Vinayak;BHOLE, Purvesh Ratnakar;JOSHI, Anant Nilesh;MIRAJKAR, Riddhi;PADWAL, Shravani Rahul~

2026/09496 ~ Complete ~54:AN AI-DRIVEN BIO-DIGITAL HYBRID CLOUD STORAGE SYSTEM INTEGRATING MOLECULAR DNA-BASED STORAGE WITH CONVENTIONAL SILICON-BASED STORAGE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: GUJARE, Soham Manoj;MAGAR, Hanmant D;MORE, Sakshi Gorakhnath;PANDOH, Achlesh;VILASKAR, Tanvi Dilip~

2026/09504 ~ Complete ~54:A PROCESS FOR TREATING A SULPHIDE MATERIAL CONTAINING IRON AND SULPHUR ~71:BACTECH ENVIRONMENTAL CORPORATION, 37 KING STREET EAST, SUITE 409, TORONTO, ONTARIO M5C 1E9, CANADA, Canada ~72: DILORETO, Zach;MILLER, Paul;MYKYTCZUK, Nadia~ 33:IB ~31:PCT/IB2024/053327 ~32:05/04/2024

2026/09515 ~ Complete ~54:NEW AMIDE DERIVATIVES, PHARMACEUTICAL COMPOSITIONS CONTAINING THEM AND THEIR USES AS SOS1 INHIBITORS ~71:LES LABORATOIRES SERVIER, 35 rue de Verdun, SURESNES CEDEX 92284, FRANCE, France;VERNALIS (R&D) LIMITED, Granta Park, CAMBRIDGE CB21 6GB, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BAKER, Lisa Michelle;BURTON, Joshua Leon;FAUCHER, Nicolas;FOLOPPE, Nicolas;LAURENT, Gaelle;OLIVE, Pauline;RONZON, Quentin;STUDENY, Aurélie~ 33:EP ~31:24315149.5 ~32:10/04/2024;33:EP ~31:24315368.1 ~32:30/07/2024

2026/09499 ~ Complete ~54:HIERARCHICAL FREQUENCY REGULATION COLLABORATIVE OPTIMIZATION CONTROL METHOD FOR ENERGY STORAGE IN POWER GRIDS WITH HIGH RENEWABLE ENERGY PENETRATION ~71:HUAINAN NORMAL UNIVERSITY, DONGSHAN WEST ROAD, TIANJIA'AN DISTRICT, HUAINAN CITY, People's Republic of China ~72: GAO, Jing;WANG, Yuxiang;YUAN, Wei;ZHANG, Bao;ZHU, Ziwei~

2026/09522 ~ Complete ~54:SENSOR PORT ASSEMBLY FOR A METALLURGICAL FURNACE ~71:SYSTEMS SPRAY COOLED LLC, 885 Seven Oaks Blvd., Suite 910, SMYRNA 37167, TN, USA, United States of America ~72: FERGUSON, Scott A.~ 33:US ~31:18/633,401 ~32:11/04/2024

2026/09482 ~ Complete ~54:AN AI-BASED INSIDER THREAT DETECTION SYSTEM USING BEHAVIORAL DRIFT MODELING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: GHODKE, Aaditi Ravindra;GIRI, Girija Shashikant;MIRAJKAR, Riddhi;MOOLYA, Jiya;PHAD, Mayuri;SAWALKAR, Nitin~

2026/09486 ~ Complete ~54:AN INTELLIGENT SELF-POWERED SECURITY LABEL SYSTEM WITH VIBRATION-SIGNATURE TAMPER DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHOSALE, Smita Shahaji;DESHMUKH, Aakanksha Vikas;DOMBALE, Anita Bapu;GURRAM, Rameshwari Ramkrishna;KAMBLE, Diksha Deepak;PATIL, Bhagyadarshani Lalit;PHALAKE, Vaishnavi Hemant;SABLE, Nilesh P.~

2026/09500 ~ Complete ~54:LAYERED SUBSTRATE ECOLOGICAL RESTORATION METHOD FOR SUBSIDENCE PITS IN METAL MINES ~71:CHINA INSTITUTE OF GEO-ENVIRONMENT MONITORING (TECHNICAL GUIDANCE CENTER FOR GEO-HAZARDS PREVENTION, MINISTRY OF NATURAL RESOURCES), 20 DAHUI TEMPLE, HAIDIAN DISTRICT, People's Republic of China;INNER MONGOLIA XINGYE GROUP RONGGUAN MINING CO., LTD., BAYAN BORIG GACHA, GAHAIL SUMU, EAST UJIMQIN BANNER, XILIN GOL LEAGUE, People's Republic of China ~72: BAI, Guangyu;LI, Minggang;LU, Yang;PENG, Minjie;PENG, Yixin;SUN, Ruixue;ZHANG, Dongwei;ZHOU, Fei~

2026/09507 ~ Complete ~54:ENCODING METHOD, DECODING METHOD, ENCODING DEVICE, AND DECODING DEVICE ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190th Street, Suite 450, TORRANCE 90504, CA, USA, United States of America ~72: IGUCHI, Noritaka;ITO, Atsushi;NISHI, Takahiro;SUGIO, Toshiyasu~ 33:US ~31:63/631,573 ~32:09/04/2024

2026/09513 ~ Complete ~54:INTERNAL SUPPORT SYSTEM FOR A STIRRED TANK REACTOR ~71:SUNFLOWER THERAPEUTICS, PBC, 18 Shipyard Drive, Suite 2A, HINGHAM 02043, MA, USA, United States of America ~72: BONNYMAN, Alexandra;MORRISON, Devin Grace;SHINDE, Akshada~ 33:US ~31:63/643,321 ~32:06/05/2024

2026/09516 ~ Complete ~54:NANOPARTICLE MANUFACTURING ~71:N-FOLD LLC, 725 North Lake Way, PALM BEACH 33480, FL, USA, United States of America ~72: BALDWIN, Richard;BOTTOMLY, H. Kim;CAPLAN, Michael J.;PRUD'HOMME, Robert K.;SAINT CRICQ RIVIERE, Philippe;SAMPSON, Hugh A.~ 33:US ~31:63/572,862 ~32:01/04/2024

2026/09472 ~ Provisional ~54:A METHOD AND SYSTEM FOR AUTHENTICATING A DISPATCH SESSION OF A MOBILE TRANSPORT APPLICATION BY MEANS OF VEHICLE ELECTRONIC CONTROL UNIT DATA ~71:WINER, Darren Rael, Unit 4 Emerald Place, 3 Fort Street, Illovo, South Africa ~72: WINER, Darren Rael~

2026/09476 ~ Provisional ~54:SYSTEMS AND METHODS FOR SUBSTANTIVE STATUTORY-WAGE LEGAL-CONSEQUENCE CONSTITUTION USING INDEPENDENTLY CONSTITUTED AND PRESERVED GOVERNED STATUTORY-WAGE PREDECESSOR STATES, FUNCTIONALLY DISTINCT CONSEQUENCE-SPECIFIC CONSTITUTIONS, CONSEQUENCE-SIDE CAUSAL MATERIALITY, AND NON-INHERITED CONSEQUENCE STANDING ~71:KABELO DIALE, 7 COMET STREET, South Africa ~72: Kabelo Diale~

2026/09484 ~ Complete ~54:A SYSTEM FOR REAL-TIME ANOMALY DETECTION IN NETWORK TRAFFIC STREAMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: ANEKAR, Aishwarya Hanmant;ASANE, Durga Babasaheb;BHOITE, Sonali Prashant;FUTANE, Pravin R;JAGTAP, Akash Dipak;KARNAWAT, Siddhant Sandesh;MAGAR, Hanmant D;MIRAJKAR, Riddhi R.~

2026/09492 ~ Complete ~54:AN AI-BASED AUTOMATED PATCH PRIORITY PREDICTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: FUTANE, Pravin;HONMANE, Suraj Sandip;KOLATE, Rajlaxmi Pradip;MIRAJKAR, Riddhi;MUNDADA, Sahil Manish;YELPALE, Harshada Aravind~

2026/09493 ~ Complete ~54:A DEEP LEARNING FRAMEWORK BASED IMAGE CAPTION GENERATOR SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad B.;KOUL, Palash;NARE, Viraj;NIJAMPURKAR, Kshitij;PHADNIS, Parth;SHELKE, Priya~

2026/09518 ~ Complete ~54:GLYCIDYL ESTER AND ASSOCIATED METHOD, COMPOSITION, AND PRODUCT ~71:K A PARTNERS, LLC, 2000 George Street, MELROSE PARK 60160, IL, USA, United States of America ~72: O'LENICK, Anthony J.;SYED, Ali Naqi~ 33:US ~31:63/572,775 ~32:01/04/2024

2026/09524 ~ Complete ~54:IMMUNOMODULATORY COMPLEX COMPRISING HEPARAN SULFATE BINDING PEPTIDE AND USES THEREOF FOR THERAPY ~71:BLUE BEES THERAPEUTICS, Pépinière d'Entreprises Wipse Parc, Club Orsay Université, 21 Rue Jean Rostand, ORSAY 91400, FRANCE, France;COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, 25 rue Leblanc, Bat le Ponant, PARIS 75015, FRANCE, France ~72: DELUCE, Nora;LEONETTI, Michel~ 33:EP ~31:24168804.3 ~32:05/04/2024

2026/09481 ~ Complete ~54:METHOD FOR CONSTRUCTING PESTICIDE RESIDUE ANALYSIS MODEL FOR WILD GINSENG ~71:China Certification & Inspection Group Liaoning Co., Ltd., No.3, Building C, Chun Tianyuan, Ganjingzi District, Dalian, Liaoning Province, 116033, People's Republic of China ~72: Cao Wenjun;Chu Yingqian;Li Li;Wu Bin;Zhou Fanggao~

2026/09485 ~ Complete ~54:AN INTEGRATED MULTI-DOMAIN PERSONAL MANAGEMENT SYSTEM WITH ACTIVITY-BASED EVALUATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BADADHE, Sunita Milind;JADHAV, Padmini Anandrao;JADHAV, Prathmesh Ganesh;JADHAV, Rudrapratap Vidyasagar;JADHAV, Samarth Sachin;JADHAV, Sarang Ramesh~

2026/09495 ~ Complete ~54:A PRIVACY-PRESERVING FEDERATED LEARNING SYSTEM FOR DISTRIBUTED DATA ANALYTICS WITH DIFFERENTIAL PRIVACY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BADGUJAR, Aditya;CHANDURKAR, Parth;KADAM, Sujal;MAGAR, Hanmant;NYAMGONDE, Suyash~

2026/09502 ~ Complete ~54:PRECISION DRIP IRRIGATION DEVICE FOR WHEAT ~71:CROP INSTITUTE OF NINGXIA ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES, NO. 490 HUANGHE ROAD, JINFENG DISTRICT, YINCHUAN CITY, People's Republic of China ~72: BAI, Haibo;CAO, Lina;CHEN, Dongsheng;DONG, Yan;HE, Jinshang;KANG, Ling;LI, Yufeng;LIU, Wangqing;WANG, Xiaoliang;ZHANG, Weijun~

2026/09509 ~ Complete ~54:NANOPARTICLE COMPOSITIONS ~71:SYDNEY LOCAL HEALTH DISTRICT, Level 11, KGV Building, 83-117 Missenden Road, CAMPERDOWN 2050, NEW SOUTH WALES, AUSTRALIA, Australia;THE UNIVERSITY OF SYDNEY, Parramatta Road, The University of Sydney, NEW SOUTH WALES 2006, AUSTRALIA, Australia ~72: COGGER, Victoria;HUNT, Nicholas;LE COUTEUR, David;WESTWOOD, Lara~ 33:AU ~31:2024901063 ~32:16/04/2024

2026/09520 ~ Complete ~54:METHOD FOR PREDICTING OSMOLALITY OF PROTEIN SOLUTIONS ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: SHEN, Dongying Erin~ 33:US ~31:63/637,843 ~32:23/04/2024

2026/09487 ~ Complete ~54:AN AUTOMATED MULTI-MODAL SURVEILLANCE SYSTEM FOR THE DETECTION OF NON-VISIBLE FLUID LEAKS AND FUGITIVE GAS EMISSIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: GOJE, Nayan Balaji;KODE, Pratham Parag;MATE, Anuja Dinesh;PATHAN, Saad Ansar;SONAWANE, Swayam Sandeep;SURYAWANSHI, Amol~

2026/09490 ~ Complete ~54:BANANA WASTE-DERIVED BIOPLASTIC NANOCOMPOSITE REINFORCED WITH GRAPHITE AND COPPER NANOPARTICLES ~71:Abdul Wali Khan University, Mardan, KP-23200, Pakistan;Dhofar University, Salalah, 211, Oman;Majmaah University, Al-Majmaah 11952, Saudi Arabia;Nasrullah Shah, Department of Chemistry, Abdul Wali Khan University Mardan, KP-23200, Pakistan;Taibah University, P.O. Box 344, Madinah, Saudi Arabia;University of Nizwa, P.O. Box 33, Birkat Al Mauz, Nizwa 616, Oman ~72: Ahmed Al-Harrasi;Ahmed M. Abu-Dief;Ajmal Khan;Ashteeaq T. Aljehane;Enas T Aljohani;Husna;Mazhar Ul-Islam;Muhammad Naseer;Nasrullah Shah~

2026/09501 ~ Complete ~54:SYSTEM FOR GENETIC EFFICACY EVALUATION AND FULL CHAIN TRACEABILITY OF FROZEN BEEF CATTLE SEMEN BASED ON MULTI SOURCE DATA FUSION ~71:GANZHOU DISTRICT ANIMAL HUSBANDRY AND VETERINARY SERVICE STATION, AGRICULTURE AND FORESTRY SCIENCE AND EDUCATION CENTER, BINHE NEW DISTRICT, GANZHOU DISTRICT, ZHANGYE CITY, People's Republic of China ~72: HUANG, Wenge;LI, Shifeng;LIU, Yanfu;SHI, Yuping;SONG, Jianhong;YANG, Shezhong;ZHAO, Futang;ZHAO, Yonghu~

2026/09508 ~ Complete ~54:BAFFR X CD3 BISPECIFIC ANTIBODIES AND METHODS OF USE ~71:ELI LILLY AND COMPANY, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BURNS, Colleen Ann;CHAKROUN, Nesrine;DE KRUIF, Cornelis Adriaan;DRISCOLL, Kyla Elizabeth;DURAMAD, Omar;HOLMGAARD, Rikke B.;KLOOSTER, Rinse;LINDQUIST, Kevin;PARK, Joshua;SRINIVASAN, Mohan;VAN LOO, Pieter Fokko;YANG, Wei~ 33:US ~31:63/633,926 ~32:15/04/2024;33:US ~31:63/720,416 ~32:14/11/2024

2026/09478 ~ Complete ~54:METHOD FOR IMPROVING PLANT ROOT REGENERATION CAPACITY AND APPLICATION THEREOF ~71:SHANDONG AGRICULTURAL UNIVERSITY, No. 61, Daizong Street, Taishan District, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: Chuanyou LI;Mingtong ZHAI;Sirui LV;Yang YU~ 33:CN ~31:202511573427.5 ~32:31/10/2025

2026/09479 ~ Complete ~54:CONVEYOR BELT CLEANING APPARATUS ~71:PROFILE CLEAN PTY. LTD., Level 1, 55 Whitehorse Road, Australia ~72: ROBINSON, Lawrence Harvey~ 33:AU ~31:2020900018 ~32:06/01/2020

2026/09488 ~ Complete ~54:AN AI-BASED SYSTEM FOR PREDICTION AND OPTIMIZATION OF HOUSEHOLD APPLIANCE ENERGY CONSUMPTION WITH PERSONALIZED RECOMMENDATIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BADAKH, Sakshi Anil;CHAUDHARI, Prasad Bhata;DESALE, Nakshatra Umesh;MANE, Tanuja Umesh;MHETRE, Shravani Nagesh;SHIRBAVIKAR, Ketki~

2026/09498 ~ Complete ~54:A RISK AWARE HYBRID ARTIFICIAL INTELLIGENCE DRIVEN TASK SCHEDULING SYSTEM FOR CLOUD DATA CENTRES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BAVISKA, Niranjan Panjabrao;CHAUDHARI, Srushti Mohan;GHOLAP, Dhruv Avinash;MAGAR, Hanmant;NIKAM, Sourabh Santosh~

2026/09511 ~ Complete ~54:TARING OF SENSORS ~71:4SUBSEA AS, Hagaløkkveien 26, ASKER N-1383, NORWAY, Norway ~72: CETIN, Ali;FJELDSAA, Morten;HOLDEN, Harald;KJÆRSTAD, Vetle;MARTINSEN, Vegard;PÖCHER, Per Kristian~ 33:GB ~31:2405694.7 ~32:23/04/2024

2026/09512 ~ Complete ~54:ARRANGEMENT OF AN AIR INTAKE DEVICE OF A VEHICLE ~71:BAE SYSTEMS HÄGGLUNDS AKTIEBOLAG, ÖRNSKÖLDSVIK 891 82, SWEDEN, Sweden ~72: KÖHN, Håkan;WÅGBERG, Jens~ 33:SE ~31:2450402-9 ~32:17/04/2024

2026/09519 ~ Complete ~54:PAIRING OF TWO-CHAIN CONSTRUCTS ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: KING, Jeremy;WALKER, Kenneth W.~ 33:US ~31:63/638,468 ~32:25/04/2024

2026/09525 ~ Complete ~54:A PAN-RAS INHIBITOR COMPOUND ~71:ADLAI NORTYE BIOPHARMA CO., LTD., Block 8, No. 1008, Xiangwang Street, People's Republic of China ~72: FU, Xiangyu;LIU, Shuaishuai;LV, Meng;YU, Zhiyong~ 33:CN ~31:202410399678.5 ~32:03/04/2023;33:CN ~31:202410627425.9 ~32:20/05/2024;33:CN ~31:202411280320.7 ~32:12/09/2024;33:CN ~31:202411794717.8 ~32:06/12/2024

2026/09475 ~ Provisional ~54:A METHOD AND SYSTEM FOR PROCESSING A MACHINE-READABLE OPTICAL CODE ~71:HADLOW, William Albert, 96 Tre Donne Country Estate, Old Sir Lowry’s Pass Road, South Africa;HOLTZKAMPF, Charles John, 8 Alamein Road, Golden Acre, South Africa;VAN WYK, Gregory, 11 Muirfield Crescent, Greenways Golf Estate, South Africa ~72: HADLOW, William Albert;HOLTZKAMPF, Charles John;VAN WYK, Gregory~

2026/09494 ~ Complete ~54:A CARBON-EFFICIENT AND PRIORITY-BASED CLOUD WORKLOAD SCHEDULING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHANDARI, Mahesh A.;BHOLANE, Siddhi Shailesh;CHAVAN, Gurunath T.;JOSHI, Prajakta Pravin;KENJALE, Omshree Haridas;KODMELWAR, Manohar K.;MAGAR, Hanmant D;PATHAK, Kishor R.;RAJPUT, Siddhika Sanjaysingh~

2026/09514 ~ Complete ~54:COMPOSITIONS AND PROCESSES FOR REMOVING HEAVY METALS FROM ACID-CONTAINING STREAMS ~71:CYTEC INDUSTRIES INC., 2564 US Highway 1, LAWRENCE 08648, NJ, USA, United States of America ~72: HIREMATH, Ravi Rajshekar;ZHANG, Lei~ 33:US ~31:63/636,473 ~32:19/04/2024

2026/09517 ~ Complete ~54:ANTI-FGFR2B ANTIBODY, ANTIBODY-DRUG CONJUGATE THEREOF, AND USE THEREOF ~71:HANGZHOU ZHONGMEIHUADONG PHARMACEUTICAL CO., LTD., No.866, Moganshan Road, Gongshu District, HANGZHOU 310011, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: LU, Kuan;WANG, Tingyang;XIA, Yan;YU, Zhaoxing;ZHAO, Yayun~ 33:CN ~31:202410239294.7 ~32:04/03/2024;33:CN ~31:202411962042.3 ~32:30/12/2024;33:CN ~31:202510231112.6 ~32:28/02/2025

2026/09473 ~ Provisional ~54:RAILWAY CONTROL SYSTEM AND METHOD ~71:VAN DE POL, Johan Coenraad, Unit 11, Country Life Park, 59 Witney Street, BRYANSTON, Johannesburg 2191, Gauteng, SOUTH AFRICA, South Africa ~72: VAN DE POL, Johan Coenraad~

2026/09474 ~ Provisional ~54:ACCESSIBLE ROBOTIC MOBILITY SCOOTER WITH INTEGRATED SHOPPING ASSISTANCE SYSTEM ~71:DE OLMI-JOHNSTON, Marialuisa, 26 Bromvoel Road, BIRCH ACRES, Kempton Park 1618, Gauteng, SOUTH AFRICA, South Africa ~72: DE OLMI-JOHNSTON, Marialuisa~

2026/09477 ~ Complete ~54:A CONSTRUCTION COST DATABASE CORRELATION ANALYSIS AND RISK INDICATOR COMPUTATION METHOD, SYSTEM AND DEVICE ~71:Henan Precision Engineering Cost Consulting Co., Ltd., Room 56/57, 15th Floor, Block A, Caiyuan Building, No. 28 Zhengqi Street, Jinshui District, Zhengzhou, Henan Province, 450008, People's Republic of China ~72: GAO Xiaobin;JIAO Jiao;LI Yanling;REN Quancheng;SHANG Jinghua;SONG Huishuang~

2026/09480 ~ Complete ~54:INTELLIGENT STABILITY CONTROL SYSTEM AND METHOD FOR STOPE MINING SPACE ~71:Anhui University of Science and Technology, No. 168 Taifeng Street, Tianjiaan Dist., Huainan, Anhui, People's Republic of China;Wanbei Coal & Electrical Group Co., Ltd., No. 157 Xichang Road, Yongqiao Dist., Suzhou, Anhui, People's Republic of China ~72: Chongyan Liu;Li Ma;Qihang Zhang;Yan Ma~

2026/09489 ~ Complete ~54:AN AI-BASED SELF-HEALING LOW-RATE DDOS DEFENSE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: ARAK, Ajay;BHOITE, Sonali;DESHMUKH, Soham;DURGE, Tejaswini;KADAM, Arya;MIRAJKAR, Riddhi~

2026/09497 ~ Complete ~54:A MIDDLEWARE SYSTEM FOR PREDICTIVE AND AUTONOMOUS CLOUD RESOURCE OPTIMIZATION WITH ON-DEMAND SERVER ACTIVATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MAGAR, Hanmant;NEMADE, Rohan Hemant;PATIL, Anish Sujit;SHELKE, Shubham Uttam;SUKATE, Chudaman~

2026/09503 ~ Complete ~54:SYSTEM AND METHOD FOR CENTRALISED IDENTIFICATION, MATCHING, AND RECOVERY OF UNCLAIMED FINANCIAL ASSETS, INCLUDING PENSIONS, RETIREMENT FUNDS, DIVIDENDS, ESTATES, AND INSURANCE ~71:Mmatjiane Jacqueline Hamese, 235 kingfisher street, South Africa ~72: Mmatjiane Jacqueline Hamese~ 33:ZA ~31:2025/05496 ~32:27/06/2025

2026/09505 ~ Complete ~54:CATALYTIC CRACKING METHOD AND SYSTEM ~71:CHINA PETROLEUM & CHEMICAL CORPORATION, 22 Chaoyangmen North Street,, People's Republic of China;SINOPEC RESEARCH INSTITUTE OF PETROLEUM PROCESSING CO., LTD., Zone 3, No. 18 Xueyuan Road, People's Republic of

China ~72: CHENG, Xiaojie;GONG, Jianhong;LIU, Lingtao;YANG, Chao;ZHU, Genquan;ZHU, Jinquan~ 33:CN ~31:202410244286.1 ~32:04/03/2024;33:CN ~31:202410244287.6 ~32:04/03/2024;33:CN ~31:202410244295.0 ~32:04/03/2024

2026/09506 ~ Complete ~54:SPRAY-DRIED COMPOSITION COMPRISING A BENEFIT AGENT ~71:GIVAUDAN SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: AUSSANT, Emmanuel~ 33:GB ~31:2402974.6 ~32:01/03/2024

2026/09510 ~ Complete ~54:AAV EXPRESSION OF MIRNA TO SUPPRESS HUMAN APOE MRNA ~71:CORNELL UNIVERSITY, 395 Pine Tree Road, Suite 310, ITHACA 14850, NY, USA, United States of America ~72: CRYSTAL, Ronald G.;HACKETT, Neil R.;KARAN, Kalpita Rashmi~ 33:US ~31:63/575,493 ~32:05/04/2024;33:US ~31:63/690,122 ~32:03/09/2024

2026/09521 ~ Complete ~54:CORTICOTROPIN RELEASING FACTOR RECEPTOR 2 (CRFR2) AGONISTS ~71:NEUROCRINE BIOSCIENCES, INC., 6027 Edgewood Bend Court, SAN DIEGO 92130, CA, USA, United States of America ~72: HE, Rongjun;JONES, Alyssa F.;MEZO, Adam R.;YU, Zhen~ 33:US ~31:63/636,635 ~32:19/04/2024

2026/09523 ~ Complete ~54:PROTEIN TYROSINE KINASE 7 ANTIBODIES AND ANTIBODY-DRUG CONJUGATES ~71:ELI LILLY AND COMPANY, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: AKHGAR, Ahmad Hossin;CONNER, Elaine Margaret;LINDQUIST, Kevin Charles;SAGAR, Divya;STOKELL, David John~ 33:US ~31:63/638,968 ~32:26/04/2024

2026/09577 ~ Complete ~54:ACID MIST SUPPRESSANT FOR METAL ELECTROWINNING ~71:CYTEC INDUSTRIES INC., 2564 US Highway 1, LAWRENCE 08648, NJ, USA, United States of America ~72: DOUBLEDAY, Timothy;MOSER, Michael;MOYA, Luis;SONG, Airong;STIGERS, Dannon;SZOLGA, William~ 33:US ~31:63/632,663 ~32:11/04/2024;33:EP ~31:24197173.8 ~32:29/08/2024

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2026/09533 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS, DOSAGE FORMS, AND METHODS OF PREPARATION AND USE THEREOF ~71:LYNK PHARMACEUTICALS CO. LTD., 291 Fucheng Road, Bldg 5-4F, Hangzhou Economic & Technological Development Zone, HANGZHOU 310018, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: BOINIPALLY, Dileep Kumar;CHEVENAS-PAULE, Clemence;GARROW, Matthew;LI, Weiyi;LI, Xiaodong;MCCUSKER, Amy;SLAFER, Brian;THOMPSON, Lee;VAZQUEZ, Michael Lawrence;WALLER, David;WAN, Zhaokui;WEGST-UHRICH, Stacia;WINTER, Erica;ZHANG, Yuanyuan~ 33:IB ~31:2024/082984 ~32:21/03/2024

2026/09532 ~ Complete ~54:ANNEALED AND TEMPERED STEEL SHEET, AND METHOD FOR MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Astrid PERLADE;Kangying ZHU;Michael STOLTZ~ 33:IB ~31:PCT/IB2024/055791 ~32:13/06/2024

2026/09534 ~ Complete ~54:MAGEC2 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEC2 IMMUNOGENIC PEPTIDES, AND USES THEREOF ~71:TSCAN THERAPEUTICS, INC., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: FERRETTI, Andrew P.;GURER, Cagan;JUREWICZ, Mollie M.~ 33:US ~31:63/631,364 ~32:08/04/2024

2026/09544 ~ Complete ~54:PROTECTION LENS FOR SURGICAL USE HAVING REMOVABLE LAYERS ~71:THI TOTAL HEALTHCARE INNOVATION S.R.L., Via della Produzione 5, 00030, San Cesareo RM, Italy ~72: ROSATI, Giorgio;SECCO, Lorenzo~ 33:IT ~31:102024000013177 ~32:10/06/2024

2026/09547 ~ Provisional ~54:HYDRO-PNEUMATIC GAS COMPRESSOR ~71:VAN DEN HEEVER CORNELIUS JOHANNES, 112 VOS ST RENSBURG,, South Africa ~72: VAN DEN HEEVER CORNELIUS JOHANNES~

2026/09548 ~ Provisional ~54:EDU VITUAL REALITY ~71:MR RUDZANI MIKOSI, 619 SPRUITSIG PARK 420 LEYDS, South Africa ~72: RUDZANI MIKOSI~

2026/09545 ~ Complete ~54:SPRAYER NOZZLE UNIT ~71:L'OREAL, 14 rue Royale, 75008, Paris, France ~72: JACKSON, Caroline;LOUIS, Florence;LUDER, Fanny;MARETTE, Alexis~ 33:CH ~31:CH000441/2024 ~32:23/04/2024

2026/09535 ~ Complete ~54:USE OF ANTI-HA-1 AND ANTI-HA-2 BINDING PROTEINS FOR TREATMENT OF AML, ALL, AND MDS ~71:TSCAN THERAPEUTICS, INC., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: CHATTOPADHYAY, Shrikanta;MACBEATH, Gavin~ 33:US ~31:63/631,379 ~32:08/04/2024;33:US ~31:63/716,079 ~32:04/11/2024;33:US ~31:63/729,220 ~32:06/12/2024

2026/09539 ~ Complete ~54:ADENO-ASSOCIATED VIRUS COMPOSITIONS FOR THE TREATMENT OF DUCHENNE MUSCULAR DYSTROPHY ~71:NOVARTIS PHARMACEUTICALS CORPORATION, 59 Route 10, East Hanover, United States of America ~72: MONAVARFESHANI, Aboozar;SESHADRI, Saurav;TABEBORDBAR, Sharif;TABEBORDBAR, Shayan;VELEZ, Danielle;YE, Simon~ 33:US ~31:63/561,130 ~32:04/03/2024;33:US ~31:63/666,899 ~32:02/07/2024;33:US ~31:63/676,780 ~32:29/07/2024;33:US ~31:63/688,024 ~32:28/08/2024

2026/09537 ~ Complete ~54:SYSTEMS AND METHODS FOR USING ALUMINUM DROSS IN ALUMINUM ELECTROLYSIS CELLS ~71:ALCOA USA CORP., 201 Isabella Street, PITTSBURGH 15212-5858, PA, USA, United States of America ~72: TESSIER, Jayson;ZUKAS, Brian~ 33:US ~31:63/635,121 ~32:17/04/2024

2026/09530 ~ Provisional ~54:COMPUTE-IN-MEMORY EDGE PROCESSOR WITH DUAL-PURPOSE MICROFLUIDIC THERMO-ACOUSTIC DECOUPLING, DISTRIBUTED MICRO-FLOW AND QUANTUM-SAFE CONTINUAL LEARNING ~71:Makhado Nkhumeleni Rodney, 623 Tshaulu Tshilaphala, South Africa ~72: Makhado Nkhumeleni Rodney~ 33:ZA ~31:2026/08782 ~32:07/09/2026;33:ZA ~31:2026/08838 ~32:08/09/2026

2026/09531 ~ Provisional ~54:SELF-POWERED LIVESTOCK COLLAR AND METHOD FOR PRE-CLINICAL DETECTION OF ILLNESS USING PER-ANIMAL THERMAL AND BEHAVIOURAL BASELINES WITH PEER-RELAYED HERD-LEVEL CLUSTERING ~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~

2026/09536 ~ Complete ~54:USE OF BINDING PROTEINS FOR TREATMENT OF SOLID TUMORS ~71:TSCAN THERAPEUTICS, INC., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: CHATTOPADHYAY, Shrikanta;MACBEATH, Gavin;MURRAY, Jim~ 33:US ~31:63/631,385 ~32:08/04/2024;33:US ~31:63/644,949 ~32:09/05/2024;33:US ~31:63/653,125 ~32:29/05/2024;33:US ~31:63/716,057 ~32:04/11/2024;33:US ~31:63/729,235 ~32:06/12/2024

2026/09538 ~ Complete ~54:ALDOSTERONE SYNTHASE INHIBITOR FOR TREATING HEART FAILURE ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BRUECKMANN, Martina Maria;DINH, Wilfried;HAUSKE, Sibylle Jenny;HENRICHMOELLER, Ingrid Adelheid~ 33:US ~31:63/564,197 ~32:12/03/2024;33:US ~31:63/751,015 ~32:29/01/2025

2026/09540 ~ Complete ~54:METHOD FOR PRODUCTION OF BLUE AMMONIA ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: AHUJA, Sagar;DAHL, Per Juul;JENSEN, Annette E. Krøll;KARUPPASAMY, Ilayaraja~ 33:IN ~31:202411030810 ~32:17/04/2024;33:EP ~31:24193562.6 ~32:08/08/2024

2026/09541 ~ Complete ~54:CONFIGURATION PROCEDURES FOR AIOT ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: BALA, Erdem;FREDA, Martino;HONG, Jongwoo;LEE, Moon IL;MARINIER, Paul;MARTIN, Brian~ 33:US ~31:63/572,676 ~32:01/04/2024

2026/09543 ~ Complete ~54:BARRIER LAMINATE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ELLINGFORD, Christopher David;JIMENEZ SOLOMON, Maria Fernanda~ 33:EP ~31:24169021.3 ~32:08/04/2024

2026/09657 ~ Complete ~54:PYRIDINONE COMPOUNDS, METHODS AND USES THEREOF ~71:ZENO MANAGEMENT, INC., 10275 Science Center Drive, Suite 200, SAN DIEGO 92121, CA, USA, United States of America ~72: AL-AMIN, Mohammad;BOREN, Brant Clayton;DO, Quyen-Quyen Thuy;HAN, Xiaojun;KIM, Jin Kwang;LEE, Christian Cho-Hua;PERRIN, Sophie M.;ROWBOTTOM, Martin W.;WANG, Zhipeng~ 33:US ~31:63/632,946 ~32:11/04/2024;33:US ~31:63/675,151 ~32:24/07/2024;33:US ~31:63/683,078 ~32:14/08/2024;33:US ~31:63/736,199 ~32:19/12/2024

2026/09658 ~ Complete ~54:PORCINE ENDOGENOUS RETROVIRUS (PERV)-FREE PORCINE CIRCOVIRUS TYPE 2D-BASED VACCINES AND METHODS OF USE ~71:ZOETIS SERVICES LLC, 10 Sylvan Way, PARSIPPANY 07054, NJ, USA, United States of America ~72: HARDESTY, Megan Marie;MARX, Jacqueline Gayle;ROSEY, Everett Lee~ 33:US ~31:63/640,431 ~32:30/04/2024

2026/09542 ~ Complete ~54:METHODS FOR SBFD-SPECIFIC PRACH MASK INDEX INDICATION ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: EL HAMSS, Aata;GARCIA, Virgile;KHAN BEIGI, Nazli;LEE, Moon IL;MARINIER, Paul;PARK, Jonghyun;STERN-BERKOWITZ, Janet~ 33:US ~31:18/624,018 ~32:01/04/2024

2026/09546 ~ Complete ~54:METHOD FOR DETERMINING A DEGREE OF OXIDATION OF A STEEL PRODUCT, ASSOCIATED CONTROL AND MONITORING METHODS AND SYSTEMS ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Michel PICARD~

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2026/09659 ~ Provisional ~54:BRAAI BOM FIRE RAKE ~71:LOURENTIUS ANTONIUS JOSEPH ROOLVINK, 3 RAUTENBACH STR BONANNE GAUTENG, South Africa ~72: LOURENTIUS ANTONIUS JOSEPH ROOLVINK~

2026/09583 ~ Provisional ~54:MULTIMODAL ARTIFICIAL-INTELLIGENCE ADAPTIVE VEHICLE INTELLIGENCE AND CONTROL SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainagar, South Africa ~72: Ahmed Waseef Saib~

2026/09552 ~ Provisional ~54:MODULAR BATHROOM RANGE ~71:Petrus Johannes Fourie Markgraaff, Unit 7 Adam Tas Business Park, South Africa ~72: Petrus Johannes Fourie Markgraaff~

2026/09562 ~ Provisional ~54:THE RED WRIST ~71:Sihle Ngcamu, 19 Acacia Avenue, South Africa ~72: Sihle Ngcamu~

2026/09570 ~ Complete ~54:CONSTRUCTION AND USE OF REAGENTS FOR CONJUGATION TO BIOLIGANDS FOR IMAGING AND RADIOPHARMACEUTICAL APPLICATIONS ~71:DGENTHERA INC., 512

Gordon Street, Unit 802, DURHAM US, NC, USA, United States of America;THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, Office Of Technology Commercialization, 136 E. Rosemary St., Suite 100, CHAPEL HILL 27514, NC, USA, United States of America ~72: CASAREZ, Anthony;LI, Zibo;METZGER IV, Louis E.;NICEWICZ, David A.~ 33:US ~31:63/561,399 ~32:05/03/2024;33:US ~31:63/667,212 ~32:03/07/2024

2026/09560 ~ Provisional ~54:SYSTEM AND METHOD FOR MANAGING THE LIFECYCLE OF A CRYPTOGRAPHIC SEAL OVER WRITING-PROCESS EVIDENCE, COMPRISING A BYTE-DETERMINISTIC SEAL DIGEST OVER AN IMMUTABLE FACT SET EXCLUDING THE SIGNATURE ENVELOPE, IDEMPOTENT RESEALING WITH CONTENT-HASH DEDUPLICATION AND MONOTONIC SEAL GENERATIONS, AN ATTESTATION CHAIN PINNED TO A SINGLE SEAL GENERATION, SIGNATURE HEALING WITHOUT EVIDENCE RE-MINTING, TWIN BINDING OF A SEALED RENDERING AND A PROVENANCE CERTIFICATE, AND INHERITANCE OF UNWITNESSED INTERVAL SEAMS AND FROZEN EVALUATION VALUES INTO THE SEALED RECORD ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/09567 ~ Complete ~54:UPADACITINIB FOR USE IN THE TREATMENT OF GIANT CELL ARTERITIS ~71:ABBVIE INC., 1 North Waukegan Road, NORTH CHICAGO 60064, IL, USA, United States of America ~72: MOHAMED, Mohamed-Eslam F.;PANGAN, Aileen L.~ 33:US ~31:63/635,277 ~32:17/04/2024

2026/09572 ~ Complete ~54:OXYTOCIN PEPTIDE ANALOGS ~71:TONIX PHARMA LIMITED, 3 Marine Road, Dun Laoghaire, Dublin, A96 HW25, Ireland ~72: LEDERMAN, Seth;RIDEOUT, Darryl C~ 33:US ~31:63/566,711 ~32:18/03/2024

2026/09580 ~ Provisional ~54:BENCE VICE WITH SPECIALLY PROFILLED GRIPPING JAWS ~71:LOURENTIUS ANTONIUS JOSEPH ROOLVINK, 3 RAUTENBACH STR BONANNE GAUTENG, South Africa ~72: LOURENTIUS ANTONIUS JOSEPH ROOLVINK~

2026/09660 ~ Provisional ~54:SMALL BRAAI FIRE RAKE ~71:LOURENTIUS ANTONIUS JOSEPH ROOLVINK, 3 RAUTENBACH STR BONANNE GAUTENG, South Africa ~72: LOURENTIUS ANTONIUS JOSEPH ROOLVINK~

2026/09555 ~ Provisional ~54:CHROMOPHORE MAP PROCESSING AND ANALYSIS OF SKIN MEASUREMENTS ~71:MEDX HEALTH CORP., 1495 Bonhill Rd Unit # 1, Canada ~72: DE LANGE, Heinrich;DE WET, Janel Lillian;GEVISSER, John, South Africa;MATTS, Paul Jonathan~

2026/09557 ~ Provisional ~54:SYSTEM AND METHOD FOR CONSENT-GOVERNED PER-CHARACTER PROVENANCE OF A WITNESSED WRITING PROCESS BY RECORDING CONSENT-STATE TRANSITIONS AS FIRST-CLASS HASH-CHAINED WITNESS RECORDS, QUARANTINING WRITING OCCURRING UNDER WITHDRAWN CONSENT AS EVIDENCE-CLASSED UNWITNESSED CONTENT WITH A CONSENT-HOLD DISCLOSURE SIGNAL UNDER A QUARANTINE-NOT-DESTROY AND QUARANTINE-NOT-SILENT DISCIPLINE, NAMED-RECORD BINDING OF A PER-DOCUMENT CONSENT RECORD INTO A SIGNED PROVENANCE MANIFEST, FORWARD-ONLY WITHDRAWAL SEMANTICS PRESERVING PRIOR SIGNED ARTEFACTS, AND MULTI-DOCUMENT PROPAGATION OF REVOCATION STATE INTO SUBSEQUENT THIRD-PARTY VERIFICATION REPORTS ~71:Phillip Danial Gimmi, 20 Duiker Close, South Africa ~72: Phillip Danial Gimmi~

2026/09559 ~ Provisional ~54:SYSTEM AND METHOD FOR CAPTURING PER-CHARACTER WRITING PROCESS EVIDENCE FROM AN OPAQUE RENDERING SURFACE BY HAZARD-DISCIPLINED ACQUISITION OF PLATFORM-NATIVE FULL DOCUMENT STATE SNAPSHOTS, AN ORDERED MULTI-CHANNEL READ CASCADE OVER ACCESSIBILITY AND PAINT LAYERS, PIXEL-GEOMETRY CARET-TO-OFFSET MAPPING WITH GRADED CONFIDENCE AND REFUSAL, BOUNDED IDENTITY-PRESERVING DIFFERENCING, AND CONSERVATIVE REPAIR ATTRIBUTION UNDER WHICH A SNAPSHOT PROVES EXISTENCE BUT NEVER

CREATES AUTHORSHIP CREDIT ~71:Phillip Danial Gimmi, 20 Duiker Close, South Africa ~72: Phillip Danial Gimmi~

2026/09564 ~ Complete ~54:BIOCAPACITANCE SENSOR ~71:BRUIN BIOMETRICS, LLC, 1801 Century Park East, Suite 460, United States of America ~72: BURNS, Martin, F.;GIUNTOLI, David, M.;ROSS, Graham, O.~ 33:US ~31:63/004,822 ~32:03/04/2020

2026/09568 ~ Complete ~54:SOLID FORMS OF MACROCYCLIC COMPOUNDS AND USES THEREOF ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: AGARWAL, Prashant;ALHASHIM, Rayan;BHATT, Jayshil;FARAJ, Xavier;HARDIN, Taylor Cassianna;LIANG, Yicong;LOPEZ-MEJIAS, Vilmali;NEWMAN, Jake;SMITH, Adam Nicholas;VISONTAI, Laszlo~ 33:US ~31:63/640,189 ~32:29/04/2024;33:US ~31:63/646,460 ~32:13/05/2024

2026/09571 ~ Complete ~54:PACKAGING PRODUCT COMPRISING BARRIER LAMINATE WITH A CONSUMER PRODUCT ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ELLINGFORD, Christopher David;GIBSON, Rebecca Roisin;JIMENEZ SOLOMON, Maria Fernanda~ 33:EP ~31:24169020.5 ~32:08/04/2024

2026/09575 ~ Complete ~54:LINK ADAPTATION FOR AMBIENT INTERNET OF THINGS (IOT) ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: BALA, Erdem;EL HAMSS, Aata;FREDA, Martino;HONG, Jongwoo;KOIRALA, Remun;LEE, Moon IL;MARINIER, Paul;MARTIN, Brian;MOSTAFA, Ahmed;STERN-BERKOWITZ, Janet~ 33:US ~31:63/572,692 ~32:01/04/2024

2026/09576 ~ Complete ~54:3D GAUSSIANS SPLATTING IN SCENE DESCRIPTION ~71:INTERDIGITAL CE PATENT HOLDINGS, SAS, 3 rue du Colonel Moll, 75017, Paris, France ~72: AVRIL, Quentin;COVA REGATEIRO, João Pedro;GOSSELIN, Philippe Henri;LE CLERC, Francois~ 33:EP ~31:24305537.3 ~32:05/04/2024

2026/09556 ~ Provisional ~54:SYSTEM AND METHOD FOR POSITION DISAMBIGUATION OF ATOMIC TEXT UNITS WITHIN RUNS OF TEXTUALLY INDISTINGUISHABLE CONTENT BY CROSS-CHANNEL FUSION OF A WITNESSED WRITING PROCESS LEDGER, AN INDEPENDENTLY-MAINTAINED PLATFORM OPERATION LOG, AND A FOLDED CONTENT SNAPSHOT, UNDER A CORROBORATE-OR-ABSTAIN DECISION RULE WITH LEARNED CLOCK SKEW CORRECTION, CHARACTER-CONSERVATION EXCLUSION, REPLAY PROVEN COORDINATE EQUIVALENCE, SEPARATOR-TOLERANT COORDINATE ALIGNMENT WITH LOG-COORDINATE EQUIVALENCE EXTENSION, AND SIDE-TABLE RESOLUTIONS APPLIED AT PLAYBACK WITHOUT MUTATION OF THE HASH-CHAINED LEDGER ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/09558 ~ Provisional ~54:SYSTEM AND METHOD FOR MULTI-CONTRIBUTOR ATTRIBUTION OF PER CHARACTER WRITING-PROCESS EVIDENCE IN A SHARED DOCUMENT BY A PLURALITY OF INDEPENDENT HASH-CHAINED WITNESS LEDGERS EACH BOUND TO A SINGLE CONTRIBUTOR IDENTITY, WITH EVIDENCE CONSERVATION EXCLUSION UNDER WHICH TEXT OF FOREIGN ORIGIN CANNOT SPEND A LOCAL WITNESS BUDGET, LIVENESS-CONDITIONED CLASSIFICATION OF UNWITNESSED INSERTIONS AS FOREIGN, NON ADDITIVE PER-CONTRIBUTOR REPORTING WITHOUT CROSS-LEDGER SUMMATION, AND CONSENT-GOVERNED DISCLOSURE OF CONTRIBUTOR IDENTITY IN VERIFICATION REPORTS ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/09573 ~ Complete ~54:CARRIAGE FORMAT FOR AVATAR MAPPING AND ANIMATION ~71:INTERDIGITAL CE PATENT HOLDINGS, SAS, 3 rue du Colonel Moll, 75017, Paris, France ~72: AVRIL,

Quentin;COVA REGATEIRO, João Pedro;GOSSELIN, Philippe Henri;GUILLOTEL, Philippe;LE CLERC, Francois~ 33:EP ~31:24305521.7 ~32:04/04/2024

2026/09551 ~ Provisional ~54:FUELFLEX ~71:Bandile Buthelezi, 55 Soutpansberg Drive, Oakdene, South Africa ~72: Bandile Buthelezi~

2026/09561 ~ Provisional ~54:SYSTEMS AND METHODS FOR VERIFYING, CORROBORATING, ATTESTING AND TRANSFERRING RECORDS OF A HUMAN WRITING PROCESS ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/09563 ~ Provisional ~54:SYSTEMS AND METHODS FOR GOVERNED PUBLIC-ECONOMIC OBSERVATION CONSTITUTION FROM A PLURALITY OF INDEPENDENTLY GOVERNED WAGE STATES USING OBSERVATION-LOCAL PARTICIPATION QUALIFICATION, MEASURE-DEFINITION-BOUND WAGE-SEMANTIC COMPATIBILITY, A CONSTITUTIVE PUBLIC-ECONOMIC BASIS RELATION, AND SEPARATELY CONSTITUTED AGGREGATE OBSERVATION MEANING ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/09566 ~ Complete ~54:MACROCYCLIC CFTR MODULATORS ~71:IDORSIA PHARMACEUTICALS LTD, Hegenheimermattweg 91, ALLSCHWIL 4123, SWITZERLAND, Switzerland ~72: BOLLI, Martin;BROTSCHI, Christine;GATFIELD, John;SIENDT, Hervé;WILLIAMS, Jodi T.~ 33:IB ~31:2024/055669 ~32:05/03/2024

2026/09574 ~ Complete ~54:METHODS AND APPARATUSES FOR ENABLING DEVICE SYNCHRONIZATION ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: BALA, Erdem;EL HAMSS, Aata;FREDA, Martino;HONG, Jongwoo;KOIRALA, Remun;LEE, Moon IL;MARINIER, Paul;MOSTAFA, Ahmed~ 33:US ~31:63/573,271 ~32:02/04/2024

2026/09581 ~ Provisional ~54:IMPROVED DOOR LOCK FITTING AND MOUNTING PLATE ~71:LOURENTIUS ANTONIUS JOSEPH ROOLVINK, 3 RAUTENBACH STR BONANNE GAUTENG, South Africa ~72: LOURENTIUS ANTONIUS JOSEPH ROOLVINK~

2026/09553 ~ Provisional ~54:REAR BICYCLE HYDRATION SYSTEM WITH SELECTABLE RIDING AND BOTTLE-SERVICE STATES ~71:Jake William Fouche, 2184 Seal Close, Wilderness Garden Estate, Wilderness, South Africa ~72: Jake Wiliam Fouche~

2026/09565 ~ Complete ~54:SYSTEM AND METHOD FOR DISTRIBUTED CUSTOMER INTELLIGENCE AND BUSINESS ENGAGEMENT CONTROL ~71:DR. AMOL VISHNU SHINDE, ASSISTANT PROFESSOR, PRATIBHA COLLEGE OF COMMERCE AND COMPUTER STUDIES, CHINCHWAD, India;DR. ANIL GORAKSHNATH GOSAVI, ASSISTANT PROFESSOR, SANGAMNER NAGARPALIKA ARTS, D. J. MALPANI COMMERCE AND B. N. SARDA SCIENCE COLLEGE, SANGAMNER NAGAR, India;DR. DINESH SAMBHAJI GORE, ASSISTANT PROFESSOR, TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE AND COMMERCE, BARAMATI, TC COLLEGE ROAD, VIVEKANAND NAGAR, BARAMATI, DISTRICT PUNE, India;DR. KISHOR HARISHCHANDRA KALDANTE, ASSISTANT PROFESSOR, PDEA'S, ANNASAHEB WAGHIRE COLLEGE OF ARTS, SCIENCE AND COMMERCE, OTUR, TAL-JUNNAR, DIST-PUNE, India;DR. KSHITIJA PRASHANT GANDHI, ASSISTANT PROFESSOR, PRATIBHA COLLEGE OF COMMERCE AND COMPUTER STUDIES, CHINCHWAD, India;DR. MINAL MANISH BHANDARI, ASSISTANT PROFESSOR, PRATIBHA COLLEGE OF COMMERCE AND COMPUTER STUDIES, CHINCHWAD, India;DR. SHRUTI SHRIPAD GANPULE, ASSISTANT PROFESSOR, PRATIBHA COLLEGE OF COMMERCE AND COMPUTER STUDIES, CHINCHWAD, India;DR. VIVEK ANIL BALE, ASSISTANT PROFESSOR, TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE AND COMMERCE, BARAMATI, TC COLLEGE ROAD, VIVEKANAND NAGAR, BARAMATI, DISTRICT PUNE, India;MR. DATTATRAY MARUTI SHINDE, ASSISTANT PROFESSOR, VIDYA PRATISHTHANS SUPE ARTS SCIENCE AND COMMERCE COLLEGE SUPE, TAL-

BARAMATI, India;MR. YOGESH MARUTI KHARAT, ASSISTANT PROFESSOR, ITGP'S VISHWASRAO RANSING COLLEGE , KALAMB-WALCHANDNAGAR, TAL INDAPUR DIST- PUNE, India ~72: DR. AMOL VISHNU SHINDE;DR. ANIL GORAKSHNATH GOSAVI;DR. DINESH SAMBHAJI GORE;DR. KISHOR HARISHCHANDRA KALDANTE;DR. KSHITIJA PRASHANT GANDHI;DR. MINAL MANISH BHANDARI;DR. SHRUTI SHRIPAD GANPULE;DR. VIVEK ANIL BALE;MR. DATTATRAY MARUTI SHINDE;MR. YOGESH MARUTI KHARAT~

2026/09550 ~ Provisional ~54:SHINING TREASURES AI EDUPOD ~71:Odirile Bogatsu, Rooikrans Avenue, South Africa ~72: Odirile Bogatsu~

2026/09554 ~ Provisional ~54:STATE-LINKED SECURE VISUAL RECONSTRUCTION SYSTEM AND METHOD ~71:Edward Sekepe Malowadihlare, 5440 Umlulama Street, Birch Acres ext 29, Kempton Park, South Africa ~72: Edward Sekepe Malowadihlare~

2026/09579 ~ Provisional ~54:HORSE, ELEPHANT, OR STEAM DRIVEN COACHES ~71:HILTON BRIAN THOMAS, 309 THORA COURT, KITE STR, HORISONS, South Africa ~72: HILTON BRIAN THOMAS~

2026/09569 ~ Complete ~54:SYNTHETIC TURF WITH COMPOSITE BACKING ~71:WATERSHED GEOSYNTHETICS, LLC, 1125 Sanctuary Pkwy, Suite 180, ALPHARETTA 30009, GA, USA, United States of America ~72: COOLEY, Bradford;LEWIS, Delaney;URRUTIA, Jose;ZIMMEL, Edward~ 33:US ~31:63/573,781 ~32:03/04/2024

2026/09584 ~ Provisional ~54:ARTIFICIAL-INTELLIGENCE VEHICLE VISUAL MEMORY, LOCATION RECOGNITION, PICKUP AND DROP-OFF MANAGEMENT, AND AUTONOMOUS EVENT INTELLIGENCE SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainagar, South Africa ~72: Ahmed Waseef Saib~

2026/09578 ~ Provisional ~54:REROLLER COASTER AND MOVIES ~71:HILTON BRIAN THOMAS, 309 THORA COURT, KITE STR, HORISONS, South Africa ~72: HILTON BRIAN THOMAS~

. - APPLIED ON 2026/10/05 -

2026/09606 ~ Complete ~54:ENCODING AND DECODING METHOD, CODE STREAM, ENCODER, DECODER AND STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No.18 Haibin Road Wusha Chang'an, Dongguan, Guangdong, 523860, People's Republic of China ~72: HAO, Xue;HUO, Junyan;LI, Ming;MA, Yanzhuo;YANG, Fuzheng~

2026/09647 ~ Complete ~54:METHODS USEFUL FOR ASSIGNING LIKELIHOOD OF GRADE GROUP >2 PROSTATE CANCER ~71:THE REGENTS OF THE UNIVERSITY OF MICHIGAN, Innovation Partnerships, 1600 Huron Parkway, 2nd Floor, United States of America ~72: CHINNAIYAN, Arul M.;MEYERS, Jacob;TOSOIAN, Jeffrey J.;XIAO, Lanbo;ZHANG, Yuping~ 33:US ~31:63/635,804 ~32:18/04/2024

2026/09655 ~ Complete ~54:BRAKE CALLIPER ~71:ADVANCED BRAKING PTY LTD, 19 Creative Street, Wangara, Australia ~72: NEWCOMBE, David James~ 33:AU ~31:2024900724 ~32:18/03/2024

2026/09586 ~ Provisional ~54:AN ELEVATABLE FLOOR SYSTEM FOR SWIMMING POOLS ~71:Panashe Gore, 1988 Whitecliff South, Zimbabwe ~72: Panashe Gore~

2026/09598 ~ Provisional ~54:PHYSICAL SCHOOL TASK MANAGEMENT NOTEPAD AND STRUCTURED LEARNER REMINDER SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainagar, South Africa ~72: Ahmed Waseef Saib~

2026/09601 ~ Provisional ~54:A SYSTEM FOR ILLUMINATING AND IMAGING TISSUE TO DETERMINE THE COMPOSITION THEREOF ~71:MEDX HEALTH CORP., 1495 Bonhill Rd Unit # 1, Canada ~72: DE LANGE, Heinrich;DE WET, Janel Lillian;GEVISSER, John~

2026/09607 ~ Complete ~54:CODING METHOD, DECODING METHOD, CODE STREAM, CODER, DECODER AND STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No.18 Haibin Road Wusha Chang'an, Dongguan, Guangdong, 523860, People's Republic of China ~72: HAO, Xue;HUO, Junyan;LI, Ming;MA, Yanzhuo;YANG, Fuzheng~

2026/09613 ~ Complete ~54:METHOD FOR ASSESSING SOIL QUALITY OF DESERTPHOTOVOLTAIC BASES BASED ON A MINIMUM DATA SET ~71:Northwest Survey and Planning Institute of the State Forestry and Grassland Administration, No. 156 South Jinhua Road, Xi'an City, Shanxi Province, 710048, People's Republic of China;Xi'an University of Science and Technology, No. 58 Yanta Middle Road, Xi'an City, Shanxi Province, 710048, People's Republic of China;Xi'an Unviersity of Technology, No. 5 South Jinhua Road, Xi'an City, Shanxi Province, 710048, People's Republic of China ~72: JIA Lu;LI Peng;LIU Xiaojun;LIU Yonghui;LIU Youlin;NIU Juan;WANG Tian;XU Yaotao;YUAN Yao;ZENG Cheng;ZHANG Yi;ZHAO Binhua;ZHOU Shixuan~

2026/09624 ~ Complete ~54:A SYSTEM AND METHOD FOR PRIVACY-PRESERVING CLINICAL DECISION SUPPORT USING A HYBRID SMALL LANGUAGE MODEL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DALAL, Abdul Hannan R.;NOOJI, Pavitha;PATIL, Kailas~

2026/09633 ~ Complete ~54:A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR EXPLAINABLE MULTI-AGENT WORKFORCE ALLOCATION, RESUME INTELLIGENCE AND TEAM-COMPATIBILITY ANALYSIS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHIMELLU, Saloni;DHUMAL, Sai;MORE, Omkar;NOOJI, Pavitha;PATIL, Aditya;PATIL, Kailas;SALUNKHE, Vishakha;SENGAR, Ashwini;SHARMA, Prakash~

2026/09637 ~ Complete ~54:AN EXPLAINABLE MULTIMODAL ARTIFICIAL INTELLIGENCE-BASED SYSTEM AND METHOD FOR GENERATING LIVER CIRRHOSIS ASSESSMENT AND PROGRESSION-PREDICTION OUTPUTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DASH, Sital;PATIL, Kailas;PAWALE, Sanjesh~

2026/09652 ~ Complete ~54:CBP/P300 HETEROBIFUNCTIONAL CONDITIONAL INHIBITORS ~71:KOLM THERAPEUTICS INC., 4 Research Dr., Woodbridge, Connecticut, 06525, United States of America ~72: BOSANAC, Todd;DISALVO, Darren;HIRD, Alexander W;NEKLESA, Taavi;VIGIL, Dominico~ 33:US ~31:63/636,293 ~32:19/04/2024;33:US ~31:63/730,177 ~32:10/12/2024

2026/09661 ~ Provisional ~54:GOVERNMANS ~71:TimothyJabulani Mahlangu, 404 Mandela Village, South Africa ~72: TimothyJabulani Mahlangu~

2026/09662 ~ Provisional ~54:WELP ~71:MS CANDICE S WEIDEMAN, 10 Kitaar Streer, South Africa ~72: Candice Weideman~ 33:ZA ~31:NA ~32:01/10/2026

2026/09588 ~ Provisional ~54:REAR BICYCLE HYDRATION SYSTEM WITH SELECTABLE RIDING AND BOTTLE-SERVICE STATES ~71:Jake William Fouche, 2184 Seal Close, Wilderness Garden Estate, Wilderness, South Africa ~72: Jake William Fouche~

2026/09592 ~ Provisional ~54:PINFILE ~71:TimothyJabulani Mahlangu, 404 Mandela Village, South Africa ~72: TimothyJabulani Mahlangu~

2026/09605 ~ Complete ~54:SYSTEM AND METHOD OF ENHANCING VEHICLE CONTROL SYSTEM RELIABILITY ~71:TRANSPORTATION IP HOLDINGS, LLC, 901 Main Avenue, NORWALK 06851, CT, USA, United States of America ~72: BURGART, Phillip A.;GAWNE, Kendrick William;YOUNG, Alex James~ 33:US ~31:19/350,150 ~32:06/10/2025

2026/09612 ~ Complete ~54:A VISION-GUIDED QUADCOPTER SYSTEM WITH ONBOARD FACE RECOGNITION AND AUTONOMOUS TARGET TRACKING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: AMBHORE, Vishal;GAWANDE, Pravin G.;JADHAV, Tushar;PATIL, Deepraj Gorakh;PATIL, Harshvardhan Sanjay;PATIL, Mayank Satish;PATIL, Milind S.;RAUT, Ketan J.~

2026/09632 ~ Complete ~54:A REAL-TIME EXERCISE MONITORING SYSTEM USING MARKER-LESS POSE ESTIMATION AND FUZZY LOGIC ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: KADAM, Rohit Chandrakant;KHUBCHANDANI, Jyoti Ashok;KHUBCHANDANI, Payal Ashok;MENGAWADE, Rohan Prashant;PARDESHI, Rudra Amar;PATIL, Rutuja Satywan;SANGIT, Romir Rahul~

2026/09636 ~ Complete ~54:AN IOT-BASED INTELLIGENT SOIL MONITORING AND ADAPTIVE IRRIGATION SYSTEM USING MULTI-SENSOR DATA FUSION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DAGALE, Prasad Ashok;DAREKAR, Sahil Vinod;DEOGAONKAR, Soham;DEOKARL, Arjun Bhagwat;SABLE, Sunil Satwaji~

2026/09589 ~ Provisional ~54:INTELLIGENT MACH 1.5 BUSINESS AIRCRAFT WITH ADAPTIVE PULSE-COMBUSTION PROPULSION, DISTRIBUTED AI COMPUTING, DIGITAL TWIN, AND MULTIMODAL AIRCRAFT MANAGEMENT ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainagar, South Africa ~72: Ahmed Waseef Saib~

2026/09596 ~ Provisional ~54:THERMALLY INSULATING REMOVABLE COVER FOR AN ANIMAL SHELTER ~71:Madelein Potgieter, 13 Maple Avenue, South Africa ~72: Madelein Potgieter~

2026/09608 ~ Complete ~54:POLYMER COMPOSITE NANOFIBER COATING FOR MEDICAL IMPLANTS ~71:CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE, 20 President Brand Street, South Africa ~72: DE SMIDT, Olga;DZOGBEWU, Thywill Cephas Komla;NHLAPO, Nthabiseng~ 33:ZA ~31:2025/08413 ~32:03/10/2025

2026/09617 ~ Complete ~54:A SENSOR-BASED SMART CHESSBOARD SYSTEM FOR REAL-TIME MOVE DETECTION AND AI-ASSISTED TRAINING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA

UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BAGADE, Jayashree Vitthalrao;LAKHOTIYA, Nikunj Piyush;MADAKE, Jaysinh Dhananjay;MUNDADA, Nandan Sachin;PAHARE, Suyash Subhash~

2026/09619 ~ Complete ~54:AN AI-INTEGRATED HEALTHCARE APPOINTMENT AND REAL-TIME QUEUE MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHAGWAT, Smita;KHAIRE, Pranav;KHANORE, Shreyas;KODGIRWAR, Krushna;SHITOLE, Sanskar;YADAV, Jyoti~

2026/09627 ~ Complete ~54:A SYSTEM AND METHOD FOR ADAPTIVE CYBERSECURITY AWARENESS EDUCATION USING INTELLIGENT LEARNING PATHWAY GENERATION AND MISSION-BASED SIMULATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: KHAN, Maryam;NOOJI, Pavitha;PATIL, Kailas;PATIL, Sarika;SENGAR, Ashwini;SHARMA, Prakash~

2026/09630 ~ Complete ~54:AN AI-POWERED LEGAL QUERY INTERPRETATION AND STREAMLINED LEGAL DATA DISTRIBUTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: KOLSURE, Vedant Dayanand;KULKARNI, Sarvesh Sachin;SHINDE, Sandip;WANKHEDE, Disha~

2026/09638 ~ Complete ~54:A SENSOR-INTEGRATED SANITARY PAD FOR MENSTRUAL HEALTH MONITORING AND LEAKAGE PREVENTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BADAKH, Sakshi Anil;DEDGAONKAR, Suruchi;KANDEKAR, Snehal Pappu;KULKARNI, Sumedha Sudhakar;MHETRE, Manisha;TAMKHADE, Jayashree~

2026/09663 ~ Provisional ~54:A VEHICLE DRIVER IMPAIRMENT AND SOBRIETY MONITORING SYSTEM WITH CONTINUOUS IRIS SCAN AND UNIVERSAL REAR-VIEW MIRROR MOUNTABLE DEVICE 4.APPLICANTS ~71:Lou-Je Buys, 75 Pioneer Rd, South Africa ~72: Lou-Je Buys~

2026/09590 ~ Provisional ~54:AUTONOMOUS 4D AI ROAD-SURFACE, OBSTACLE DETECTION, PREDICTIVE COLLISION COUNTDOWN, SPATIAL VOICE, ROAD MEMORY, AND VERIFIED VEHICLE ACTION SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue, Desainager,, South Africa ~72: Ahmed Waseef Saib~

2026/09599 ~ Provisional ~54:FLUID DIVERTER VALVE AND WATER RECOVERY SYSTEM ~71:VERMAAK, Ignatius Leopold, 3645 Bosbok Road, RANDPARK RIDGE 2169, GP, SOUTH AFRICA, South Africa ~72: VERMAAK, Ignatius Leopold~

2026/09634 ~ Complete ~54:AN EXPLAINABLE IOMT-ENABLED SMART CARDIAC THERAPEUTIC PATCH AND A METHOD FOR ADAPTIVE CLOSED-LOOP MANAGEMENT OF CARDIAC ARRHYTHMIAS USING A PATIENT-SPECIFIC MULTIMODAL ELECTROPHYSIOLOGICAL DIGITAL TWIN ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD,

LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DASH, Sital;NOOJI, Pavitha;PATIL, Kailas~

2026/09635 ~ Complete ~54:AN AI-IOT BASED SYSTEM FOR ENERGY-EFFICIENT ENVIRONMENTAL CONTROL IN SMART CLASSROOMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: AINAPURE, Bharati Sanjay;PISE, Reshma;WADHWA, Lalit Kumar~

2026/09648 ~ Complete ~54:ANTI-PTK7/B7H3 ANTIBODIES AND USES THEREOF ~71:BIOCYTOGEN PHARMACEUTICALS (BEIJING) CO., LTD., No.12, Baoshen South Street, Daxing Bio-Medicine Industry Park, People's Republic of China ~72: GUO, Yanan;LI, Peiran~ 33:CN ~31:PCT/CN2024/089487 ~32:24/04/2024

2026/09651 ~ Complete ~54:NOVEL SUCROSE FATTY ACID ESTER ~71:MITSUBISHI CHEMICAL CORPORATION, 1-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo, 1008251, Japan ~72: HARA, Hideyuki;KOIKE, Sanae~ 33:JP ~31:2024-060604 ~32:04/04/2024

2026/09656 ~ Provisional ~54:SWOOPING RAILWAY ~71:HILTON BRIAN THOMAS, 309 THORA COURT, KITE STR, HORISONS, South Africa ~72: HILTON BRIAN THOMAS~

2026/09604 ~ Complete ~54:SYSTEM AND METHOD FOR MANAGING VEHICLE OPERATION ALONG ROUTE ~71:TRANSPORTATION IP HOLDINGS, LLC, 901 Main Avenue, NORWALK 06851, CT, USA, United States of America ~72: BURGART, Phillip A.;GAWNE, Kendrick William;YOUNG, Alex James~ 33:US ~31:19/350,259 ~32:06/10/2025

2026/09611 ~ Complete ~54:A TAMPER-EVIDENT DATA LOGGING AND LIABILITY VERIFICATION SYSTEM FOR INDUSTRIAL IOT ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: GOJE, Nayan Balaji;KODE, Pratham Parag;PATHAN, Saad Ansar;SHARMA, Nakul;SONAWANE, Swayam Sandeep;SURYAWANSHI, Amol~

2026/09615 ~ Complete ~54:A SYSTEM AND METHOD FOR REAL-TIME COLLABORATIVE CODE EDITING USING A DYNAMIC SEMANTIC KNOWLEDGE GRAPH ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DHOKA, Piyush;INAMDAR, Varun;NOOJI, Pavitha;PANDHARE, Vedant;PATHRE, Aadarsh;PATIL, Kailas~

2026/09618 ~ Complete ~54:AN AI-ENABLED RYLES TUBE SYSTEM FOR NUTRIENT AND CALORIE MONITORING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHARSAKADE, Ramkrishna Shantilal;PATIL, Janhavi Shivraj;PATIL, Manthan Pravin;PATIL, Piyush Vijay;PATIL, Pranav Atul;RAJURKAR, Avadhoot Umakant~

2026/09628 ~ Complete ~54:AN AI-BASED SOIL ANALYSIS AND CROP DETECTION DEVICE USING 3D-PRINTED ENCLOSURE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE,

MAHARASHTRA, 411048, India ~72: KALSHETTI, Sarita;LOKHANDE, Isha;MUNDADA, Vaishnavi Ritesh;SURYAWANSHI, Amol;TOTRE, Shreya~

2026/09631 ~ Complete ~54:A MULTI-SENSOR BASED SOIL CLASSIFICATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BANG, Arti Vasant;KULKARNI, Mayuresh Govind;KULKARNI, Ratneshwar Raghunath;KULKARNI, Soham Dinesh;KULKARNI, Soham Shrinivas~

2026/09643 ~ Complete ~54:METHODS OF MANUFACTURING PORCINE ENDOGENOUS RETROVIRUS (PERV) FREE ANIMAL HEALTH VACCINES ~71:ZOETIS SERVICES LLC, 10 Sylvan Way, PARSIPPANY 07054, NJ, USA, United States of America ~72: ANKENBAUER, Robert Gerard;HARDESTY, Megan Marie;MARX, Jacqueline Gayle;ROSEY, Everett Lee~ 33:US ~31:63/640,392 ~32:30/04/2024

2026/09650 ~ Complete ~54:AN IMPACT ALLEVIATION CABIN FOR AN AUTOMOBILE ~71:SINGH, Shantanu, S/O Dharmendra Pal Singh, Nirala Nagar, Shankargarh, India ~72: SINGH, Shantanu~ 33:IN ~31:202411028157 ~32:05/04/2024

2026/09591 ~ Provisional ~54:AI-CONNECTED AUTONOMOUS 360-DEGREE SPATIAL VISION AERIAL COMPUTING SYSTEM WITH EMBEDDED CELLULAR CONNECTIVITY, VISUAL SEARCH, CONVERSATIONAL ARTIFICIAL INTELLIGENCE, SPATIAL MEMORY, AND AUTONOMOUS MISSION CONTROL ~71:Ahmed Waseef Saib, 24 Park Avenue, Desainagar, South Africa ~72: Ahmed Waseef Saib~

2026/09609 ~ Complete ~54:A SYSTEM FOR FIRE RESPONSE TIME PREDICTION AND DYNAMIC DISPATCH OPTIMIZATION FOR EMERGENCY CALLS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAVAN, Rohini Abhijeet;LAULKAR, Gargi Sandeeprao;MAHALLE, Parikshit;MORE, Bhakti Balaji;MORE, Rutuja Saudagar;MULIK, Sayali Pandurang;NAIK, Kashmira Ratnakar;PADAMWAR, Sanskruti Amarnath;RAJPUT, Vaishali Sham~

2026/09616 ~ Complete ~54:A SELF-ADAPTIVE CONFIDENCE-GUIDED ARTIFICIAL INTELLIGENCE SYSTEM FOR MULTI-HORIZON PHOTOVOLTAIC POWER FORECASTING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHANDARE, Deepa;PAWALE, Sanjesh~

2026/09620 ~ Complete ~54:AN INTEGRATED DIGITAL DANCE EDUCATION AND ADMINISTRATIVE MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BAGAD, Surbhi Gajanan;CHAUDHARI, Samruddhi Dattatray;KADAM, Anushka Atul;LARDKHAN, Afrah Abdulhaq;WAWAGE, Pawan~

2026/09626 ~ Complete ~54:A LOW-COST REFRESHABLE BRAILLE DISPLAY SYSTEM FOR BLIND PEOPLE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India

~72: BHALERAO, Tejaswini Devidas;BHATKAR, Khushbu Ravi;DESHMUKH, Minal Samir;KSHIRSAGAR, Ketki Prashant~

2026/09641 ~ Complete ~54:AN EXPLAINABLE IOMT-ENABLED SMART THERAPEUTIC SYSTEM AND METHOD FOR ADAPTIVE MANAGEMENT OF UTERINE FIBROIDS USING A MULTIMODAL DIGITAL TWIN ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DASH, Sital;NOOJI, Pavitha;PATIL, Kailas;PAWALE, Sanjesh~

2026/09646 ~ Complete ~54:METHOD FOR DETERMINING THE QUALITY OF ARTIFICIAL INTELLIGENCE AND/OR MACHINE LEARNING MODEL INPUT ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83, Sweden ~72: BLANKENSHIP, Yufei;LYAZIDI, Mohammed Yazid;MUNIER, Florent;SHREEVASTAV, Ritesh~ 33:US ~31:63/575,450 ~32:05/04/2024

2026/09622 ~ Complete ~54:ECOLOGICAL OPTIMIZATION METHOD FOR REGULATING MICROHABITATS BY SOIL COVERING IN DESERT PHOTOVOLTAIC POWER STATIONS ~71:Northwest Survey and Planning Institute of the State Forestry and Grassland Administration, No. 156 South Jinhua Road, Xi'an City, Shanxi Province, 710048, People's Republic of China;Xi'an University of Science and Technology, No. 58 Yanta Middle Road, Xi'an City, Shanxi Province, 710048, People's Republic of China;Xi'an Unviersity of Technology, No. 5 South Jinhua Road, Xi'an City, Shanxi Province, 710048, People's Republic of China ~72: CHENG Yuting;HONG Yu;LI Peng;LI Yaxing;LI Zepu;LIU Tao;LIU Xiaojun;SHI Peng;XU Yaotao;YU Kunxia;ZHANG Yi~

2026/09585 ~ Provisional ~54:ARTIFICIAL-INTELLIGENCE PREDICTIVE GEAR-SHIFT GUIDANCE, POWERTRAIN DIGITAL TWIN, VOICE INTERACTION, AND VERIFIED DRIVER ASSISTANCE SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainagar, South Africa ~72: Ahmed Waseef Saib~

2026/09587 ~ Provisional ~54:ARTIFICIAL-INTELLIGENCE-ADAPTIVE HIGH-PERFORMANCE HYBRID V12 POWERTRAIN, PREDICTIVE MULTI-SPEED TRANSMISSION, ELECTRIC TORQUE-SYNCHRONIZATION SYSTEM, AND AUTONOMOUS VEHICLE PROPULSION CONTROL ARCHITECTURE ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainagar, South Africa ~72: Ahmed Waseef Saib~

2026/09593 ~ Provisional ~54:FLEXIACCESS ~71:TimothyJabulani Mahlangu, 404 Mandela Village, South Africa ~72: TimothyJabulani Mahlangu~

2026/09595 ~ Provisional ~54:SYSTEM AND METHOD FOR GENERATING AND SERVING INDIVIDUALLY THEMED VIRTUAL STOREFRONTS WITHIN A SHARED ONLINE MARKETPLACE ~71:Nishyl Pillay, 22 New Forest Crescent, Table View, Cape Town, Western Cape, 7741, South Africa ~72: Nishyl Pillay~

2026/09610 ~ Complete ~54:AN AGENTIC IOT-INTEGRATED MACHINE LEARNING SYSTEM FOR AUTOMATED REAL-TIME SENSOR DATA ANALYSIS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BAGUL, Jineshwari;GHODKE, Avishkar;GOSAVI, Anuj;MAHALLE, Parikshit;MANVE, Arya;PATIL, Akshat;RAJPUT, Vaishali Sham~

2026/09614 ~ Complete ~54:AN AI LEGAL BACKLOG OPTIMIZATION SYSTEM USING DUAL-ENGINE SCORING AND EXPLAINABLE AI ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE,

MAHARASHTRA, 411048, India ~72: AGARWAL, Vritika;DHOKA, Piyush;GUNDLAPELLI, Sujal;NOOJI, Pavitha;PANDHARE, Vedant;PATIL, Kailas;SALUNKHE, Vishakha;SENGAR, Ashwini;SHARMA, Prakash~

2026/09621 ~ Complete ~54:AN INTELLIGENT COMMUNICATION AID INTEGRATING HAND GESTURE RECOGNITION SYSTEM WITH SPEECH-TO-TEXT AND TEXT-TO-SPEECH TECHNOLOGIES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MAHAJAN, Chandrashekhar M.;PARIHAR, Pratik Pradeep;PATIL, Prerna;RAJPUT, Vivek Yogendrasing;SAYNEKAR, Pratik Ashish;WAYKAR, Prathamesh Prakash~

2026/09625 ~ Complete ~54:A COMPUTER-IMPLEMENTED GENERAL-PURPOSE AI ASSISTANT SYSTEM FOR DIVERSE USER-CENTRIC TASKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: GHONGADE, Trupti;MANKAR, Atharva;MEHKARKAR, Prasanna Shrikant;MORANKAR, Paresh;MUSALE, Samrudhi;NIKAM, Shravani~

2026/09640 ~ Complete ~54:AN ADAPTIVE TRAFFIC SIGNAL MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BANEKAR, Rushi Nilesh;CHAVAN, Diksha Kalpesh;CHAVAN, Rahul Dhanaji;CHINCHORE, Shravani Hemant;SURYAWANSHI, Amol Shivajirao~

2026/09649 ~ Complete ~54:REFRIGERATED DISPLAY CABINET ~71:CLIMADESIGN LIMITED, St. George's Court, 4, St. George's Square, New Malden, United Kingdom ~72: GINN, Philip~ 33:GB ~31:2403505.7 ~32:11/03/2024;33:GB ~31:2415625.9 ~32:23/10/2024

2026/09653 ~ Complete ~54:NOVEL POTASSIUM CHANNEL OPENER COMPOUNDS AND RELATED USES ~71:RHYTHM PHARMACEUTICALS, INC., 222 Berkeley Street, 12th Floor, Boston, Massachusetts, 02116, United States of America ~72: GRUJIC, Danica;MEVELLEC, Laurence Anne;VAN DER SANDE, Claudine;WIGERINCK, Piet~ 33:US ~31:63/636,075 ~32:18/04/2024;33:US ~31:63/636,079 ~32:18/04/2024

2026/09629 ~ Complete ~54:A COGNITIVE ADAPTIVE STREET LIGHTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHALERAO, Ayush Mangesh;BHOYAR, Hemant Chandu;CHAVADE, Aditya Balasaheb;CHOPDA, Samyak Deepak;PAWAR, Yogesh Janardhan;SURYAWANSHI, Amol Shivajirao~

2026/09639 ~ Complete ~54:A HYBRID BLOCKCHAIN-BASED SYSTEM FOR ORGAN DONATION AND TRANSPLANT COORDINATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BUCHADE, Amar Ramesh;GADIRAJU, Dhana Teja Naga Varma;GOLHAR, Sania;INGLE, Yashwant Sudhakar;KALE, Shruti Somnath;MAHALLE, Parikshit Narendra;PAKALE, Yash Pradip~

2026/09642 ~ Complete ~54:INTEGRIN-TARGETING RADIOPHARMACEUTICALS AND USES THEREOF ~71:NUCLIDIUM AG, Im Erasmushaus, Bäumleingasse 18, BASEL CH-4051, SWITZERLAND, Switzerland ~72:

DE ROSE, Francesco;JAAFAR-THIEL, Leila;SCHLESER, Sebastian Werner~ 33:US ~31:63/568,708 ~32:22/03/2024

2026/09644 ~ Complete ~54:MODULAR EMBEDDED DRUG TRACKING AND ABUSE PREVENTION SYSTEM ~71:PNEUMA RESPIRATORY, INC., 870 State Farm Road, Suite 103-B, BOONE 28607, NC, USA, United States of America ~72: RAPP, Gregory;SOLUNA, Jae Aspen;WANG, Shi Bo~ 33:US ~31:63/633,136 ~32:12/04/2024;33:US ~31:63/633,521 ~32:12/04/2024;33:US ~31:63/701,565 ~32:30/09/2024;33:US ~31:63/702,132 ~32:01/10/2024;33:US ~31:63/735,782 ~32:18/12/2024

2026/09597 ~ Provisional ~54:A COLLAPSIBLE, HEIGHT-ADJUSTABLE WHEELED BUCKET SYSTEM ~71:KHABONINA NOBANTU HLATSHWAYO, 84 Abelia Street, Savanna Hills Estate, South Africa ~72: KHABONINA NOBANTU HLATSHWAYO~

2026/09600 ~ Provisional ~54:ADAPTIVE AUTONOMOUS ARTIFICIAL INTELLIGENCE SYSTEM FOR REAL-TIME COMMUNICATION, SALES AND TRANSACTION MANAGEMENT ~71:PRAVESH MAJLISBHAI, 83 DESERTPALM GARDENS, South Africa ~72: PRAVESH MAJLISBHAI~

2026/09602 ~ Provisional ~54:MODULAR DIAGNOSTIC KIOSK, FIRE-RESISTANT STRUCTURE, AI HEALTH SCREENING, AND ADVERTISING INFRASTRUCTURE SYSTEM ~71:Udokotela Impilo (Pty) Ltd, 2026/238666/07, 5 HIGHWAY PLACE MOBENI HEIGHTS, South Africa ~72: ANIL SINGH~

2026/09603 ~ Complete ~54:COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR FORENSIC RECONCILIATION AND ATTESTATION OF CREDIT FACILITY ACCOUNTS ~71:BIZIOR, Marcin Jacek, 16 Dennegeur Crescent, Dennegeur Estate, Somerset West, CAPE TOWN 7130, Western Cape, SOUTH AFRICA, South Africa;VAN GRAAN, Victor, 848 Mabula Crescent, Faerieglen, PRETORIA 0081, Gauteng, SOUTH AFRICA, South Africa ~72: BIZIOR, Marcin Jacek;VAN GRAAN, Victor~

2026/09594 ~ Provisional ~54:PRIVACY-PRESERVING TRANSNATIONAL INTEGRITY-INTELLIGENCE ARCHITECTURE ~71:George Smith, 11 Vorster Place, South Africa ~72: George Smith~

2026/09623 ~ Complete ~54:INDENOFLUORENE-BASED MOLECULAR PROBE (DMP) FOR SELECTIVE FE3+ SENSING AND ITS METHOD OF PREPARATION ~71:Dr. Alimuddin, Department of Chemistry, School of Sciences, Maulana Azad National Urdu University, Hyderabad, Telangana - 500032, India;Dr. Md. Zafer Alam, Department of Chemistry, School of Sciences, Maulana Azad National Urdu University, Hyderabad, Telangana - 500032, India;Dr. Suhail Ahmad, Department of Chemistry, School of Sciences, Maulana Azad National Urdu University, Hyderabad, Telangana - 500032, India;Prof. Salman Ahmad Khan, Department of Chemistry, School of Sciences, Maulana Azad National Urdu University, Hyderabad, Telangana - 500032, India ~72: Dr. Alimuddin;Dr. Md. Zafer Alam;Dr. Suhail Ahmad;Prof. Salman Ahmad Khan~

2026/09645 ~ Complete ~54:CARTRIDGE IDENTIFICATION AND PROTECTION ~71:PNEUMA RESPIRATORY, INC., 870 State Farm Road, Suite 103-B, BOONE 28607, NC, USA, United States of America ~72: CULPEPPER, Matthew;HUNTER, Charles Eric;HUNTER, Jack;MODLIN, Caley;RAPP, Gregory;SOLUNA, Jae Aspen~ 33:US ~31:63/633,136 ~32:12/04/2024;33:US ~31:63/701,565 ~32:30/09/2024

2026/09654 ~ Complete ~54:TREATMENT OF GLOMERULONEPHRITIS ~71:REVERAGEN BIOPHARMA, INC., 8000 Towers Crescent Drive 13th Floor, Suite 1326B Vienna, United States of America ~72: DAMSKER, Jesse;HAGERTY, Laura;HOFFMAN, Eric~ 33:US ~31:63/567,996 ~32:21/03/2024

. - APPLIED ON 2026/10/06 -

2026/09674 ~ Complete ~54:METHOD FOR DETERMINING A DECARBURIZED DEPTH FOR A STEEL PRODUCT, ASSOCIATED CONTROL AND MONITORING METHODS AND SYSTEMS ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Guillaume LEPRINCE;Michel PICARD~

2026/09676 ~ Complete ~54:POLYFORMS AND SALTS OF A 1,6-NAPHTHYRIDINE COMPOUND AND THEIR USE FOR THE TREATMENT OF CANCER ~71:BLACK DIAMOND THERAPEUTICS, INC., 245 First Street, 18th Floor, United States of America ~72: KUMAR, Santosh;MOSHOS, Kristos Adrian~ 33:US ~31:63/637,945 ~32:24/04/2024

2026/09679 ~ Complete ~54:MEASURING PROBE FOR MOLTEN METAL ~71:HERAEUS ELECTRO-NITE INTERNATIONAL N.V., Centrum Zuid 1105, Belgium ~72: BEX, Gert-Jan;NEYENS, Guido;STEVENS, Frank~ 33:EP ~31:24169906.5 ~32:12/04/2024;33:EP ~31:24181621.4 ~32:12/06/2024

2026/09683 ~ Complete ~54:HYALURONIC ACID-BASED COMPOSITIONS AND DRY EYE TREATMENT ~71:NORDIC GROUP B.V., Siriusdreef 41, HOOFDDORP 2132 WT, THE NETHERLANDS, Netherlands ~72: HERBAGE, Benjamin;PACKER, Mark~ 33:US ~31:63/574,196 ~32:03/04/2024

2026/09690 ~ Complete ~54:POLYMER COMPOSITIONS FOR USE IN EMBOLOTHERAPY OR FOR THE PREPARATION OF INJECTABLE THERAPEUTIC DEPOTS ~71:GUERBET, 15, rue des Vanesses, France ~72: BAZIN, Gwenaëlle;FABICKI, Jean-Michel;GARCIA, Pedro;HENMAN, Alex;LEMAITRE, Marjorie;LOUGUET, Stéphanie;TANG, Yiqing~ 33:IB ~31:PCT/IB2024/000155 ~32:22/03/2024;33:IB ~31:PCT/IB2024/000167 ~32:22/03/2024

2026/09697 ~ Provisional ~54:HLELO MASONDO SANITARY TOWEL ~71:Hlelo Oyincwele Masondo, 18 THORNPEAR CRESCENT, South Africa;Limpho Mposula, 18 Thornpear Crescent, Leondale, South Africa ~72: Hlelo Oyincwele Masondo;Limpho Mposula~

2026/09672 ~ Complete ~54:MATTRESS INNERSPRING BLADDER SYSTEM ~71:MADAD PTY LTD, 1299 Boundary Road, Wacol, Australia ~72: GREEN, Daniel William~ 33:AU ~31:2024902257 ~32:19/07/2024

2026/09681 ~ Complete ~54:PROMOTING BUTYRATE-PRODUCING BACTERIA IN THE GUT MICROBIOME ~71:SOCIÉTÉ DES PRODUITS NESTLÉ S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: DOGRA, Shaillay Kumar;FORBES-BLOM, Elizabeth;GARCIA-GARCERA, Marc;SAKWINSKA, Olga;SPRENGER, Norbert~ 33:US ~31:63/564,608 ~32:13/03/2024

2026/09686 ~ Complete ~54:INHIBITORS OF NLRP3 INFLAMMASOME ~71:BIOAGE LABS, INC., 5885 Hollis Street, Suite 370, United States of America ~72: GEYER, Matthias;HARTMAN, George;HUMPHRIES, Paul;MONTGOMERY, Rusty;WANG, Yan;WILHELMSEN, Kevin;YAN, Shijun~ 33:US ~31:63/570,087 ~32:26/03/2024;33:US ~31:63/656,967 ~32:06/06/2024;33:US ~31:63/669,006 ~32:09/07/2024;33:US ~31:63/708,034 ~32:16/10/2024

2026/09699 ~ Provisional ~54:“A BANK-INTEGRATED CONTROLLED PAYMENT CONTROL-LAYER SYSTEM AND METHOD FOR ADDING RULE-BASED PAYMENT CONTROLS TO EXISTING EVERYDAY BANKING APPLICATIONS AND PAYMENT INFRASTRUCTURE” ~71:Pieter Ronald Ross, 26 NerInaStreet, Towervallei, South Africa ~72: Pieter Ronald Ross~

2026/09677 ~ Complete ~54:METHOD FOR INJECTING HOT GAS INTO A BLAST FURNACE AND INSTALLATION THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Dominique SERT;Marc ANDERHUBER;Mondher BOUTERAA~ 33:IB ~31:PCT/IB2024/056336 ~32:28/06/2024

2026/09685 ~ Complete ~54:PROCESS FOR EFFICIENT METAL RECOVERY FROM ORE USING A NOVEL HYDROMETALLURGICAL TECHNIQUE ~71:SOUTH32 HERMOSA INC., 1860 E. River Road, Suite 200,, United States of America ~72: DOMANSKI, Daniel;ERASMUS, Deborah~ 33:AU ~31:2024901071 ~32:16/04/2026

2026/09695 ~ Complete ~54:LOGICAL CONTROL PRIORITIZATION ENHANCEMENTS FOR DELAY-CRITICAL DATA IN EXTENDED REALITY ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: HOANG, Tuong Duc;LUTCHOOMUN, Tejaswinee;NEGUSSE, Senay;PELLETIER, Ghyslain;PERIARD, Francois;RAO, Jaya~ 33:US ~31:63/643,153 ~32:06/05/2024

2026/09667 ~ Complete ~54:ELECTRONICALLY CONTROLLED BRAKE SYSTEM AND METHOD ~71:TRANSPORTATION IP HOLDINGS, LLC, 901 Main Avenue, NORWALK 06851, CT, USA, United States of America ~72: HAAS, Carl L.;HENNIGES, Benjamin;HOFFMANN, Bernrd Harald;KLEMANSKI, Richard Scott~ 33:US ~31:19/351,414 ~32:07/10/2025

2026/09671 ~ Complete ~54:MOBILE DEVICE HOLDER ~71:FORSTGARTEN INTERNATIONAL HOLDING GMBH, Rorschacherstr. 302, Switzerland ~72: KALTENBACH, Stefan~ 33:EP ~31:24169449.6 ~32:10/04/2024

2026/09694 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS AND METHODS FOR TREATMENT OF INTRAEPITHELIAL DYSPLASIA AND NEOPLASIA ~71:AMPLEXD THERAPEUTICS, INC., 9841 Washingtonian Boulevard, Suite 200 Gaithersburg, Maryland 20878, United States of America ~72: CARBOL, Jason Michael;RAHMAN, Alia;VON BORSTEL, Reid Warren~ 33:US ~31:63/639,422 ~32:26/04/2024

2026/09682 ~ Complete ~54:METHOD FOR RECOVERING METAL AND ARRANGEMENT ~71:METSO METALS OY, Rauhalanpuisto 9, ESPOO 02230, FINLAND, Finland ~72: STENLUND, Mathias;XUAN, Changji~

2026/09684 ~ Complete ~54:DEVICE AND METHOD FOR TREATING ORGANOMETALLIC PROTEINS OF BIOLOGICAL TISSUE CELLS BY SUPPLYING SPECIFIC PHOTON QUANTA ~71:G LIFE, 117 rue des Bouleaux, THOIRY 01710, FRANCE, France ~72: BONNEAU, Michel;DROUET, Ludovic;GERELLI, Emmanuel;GERELLI, Sébastien;JAAFAR, Ahmad;KANG, Chantal;MORIN, Michel;TETTONI, Arnaud~ 33:IB ~31:2024/052594 ~32:18/03/2024

2026/09688 ~ Complete ~54:A HOT ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Artem ARLAZAROV;Blandine OEHLER;Shantanu MISRA;Sujay SARKAR~

2026/09693 ~ Complete ~54:DEPLOYABLE BALLISTIC SHIELD BAG AND METHOD OF USING SAME ~71:BRETON-RANGER, Raphäel, 763, 2e Rue Roxton Pond, Québec J0E 1Z0, Canada ~72: BRETON-RANGER, Raphäel~ 33:GB ~31:2405325.8 ~32:15/04/2024

2026/09664 ~ Provisional ~54:SYSTEM AND METHOD FOR HYBRID SOURCE PROCUREMENT PACKAGE DISPATCH AND SYNCHRONISED MULTI-ENDPOINT EMAIL DELIVERY AND CONFIRMATION ~71:Muhammad Anees Sheik Hussein, 99 Baron Grove, South Africa ~72: Muhammad Anees Sheik Hussein~

2026/09673 ~ Complete ~54:ROLLER SHELL FOR A GRINDING ROLLER OF A ROLLER MILL, GRINDING ROLLER, ROLLER MILL AND METHOD FOR REPAIRING A GRINDING ROLLER ~71:LOESCHE GMBH, Hansaallee 243, Germany ~72: AECKERSBERG, Roland;HACHMANN, Markus;KLOKOW, Alexander;OTTO, Paul~

2026/09680 ~ Complete ~54:METHOD FOR INJECTING HOT GAS INTO A DIRECT REDUCTION SHAFT AND INSTALLATION THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Dominique

SERT;Francisco Fabian CARRANZA GARCIA;José BARROS LORENZO;Marc ANDERHUBER;Mondher BOUTERAA~ 33:IB ~31:PCT/IB2024/056333 ~32:28/06/2024

2026/09689 ~ Complete ~54:BETA-BLOCKERS FOR PRESERVING MUSCLE MASS, BONE DENSITY, AND CARDIAC FUNCTION IN WEIGHT LOSS TREATMENTS ~71:ACTIMED THERAPEUTICS LTD, The Old Bakehouse, Course Road, United Kingdom ~72: ANKER, Stefan;BHATTACHERJEE, Robin;BOCKUS, Lee B.;COATS, Andrew;HILL, Stephen A.;INSKO, Michael A.;MORTEN, Elaine;ROCK, Patrick C.;SIEGEL, Lori A.~ 33:US ~31:63/636,664 ~32:19/04/2024;33:US ~31:63/668,732 ~32:08/07/2024;33:GB ~31:2410016.6 ~32:10/07/2024;33:GB ~31:2415544.2 ~32:22/10/2024;33:GB ~31:2500384.9 ~32:13/01/2025

2026/09698 ~ Provisional ~54:FIELD DIRECTION OBJECT ~71:E-Rail, 21 West Rd South, South Africa ~72: Marian-Sorin Baltac~

2026/09666 ~ Provisional ~54:ACCOUNTABILITY SYSTEM ~71:SHAIKH, Sadiyah, 19 Villa Roma, Vam Heerden Street, Halfway Gardens, South Africa ~72: SHAIKH, Sadiyah~

2026/09668 ~ Complete ~54:AUTOMATIC CLASSIFICATION AND GRADING OF A FOOD SAMPLE ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, South Africa ~72: THEART, Rensu Petrus;WATERKEYN, Thomas Noah~

2026/09670 ~ Complete ~54:SLEEVE FOR AN EGG TRAY ~71:GRAND PLASTICS (PTY) LTD, 3 Heron Park, Ou paardevlei road, Olive Grove Industrial Estate, South Africa ~72: LE GRANGE, Clyde Jared;LE GRANGE, Martin Francisco~

2026/09675 ~ Complete ~54:METHOD FOR HEATING GAS AND STEELMAKING VESSEL THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Dominique SERT;Marc ANDERHUBER;Mondher BOUTERAA~ 33:IB ~31:PCT/IB2024/056335 ~32:28/06/2024

2026/09678 ~ Complete ~54:METHOD AND SYSTEM FOR DETERMINING A PARAMETER OF A HIGH TEMPERATURE LIQUID ~71:HERAEUS ELECTRO-NITE INTERNATIONAL N.V., Centrum Zuid 1105, Belgium ~72: BEX, Gert-Jan;NEYENS, Guido;STUER, Giovanni;VROMANS, Martijn~ 33:EP ~31:24169906.5 ~32:12/04/2024;33:EP ~31:24181621.4 ~32:12/06/2024;33:EP ~31:24181625.5 ~32:12/06/2024

2026/09691 ~ Complete ~54:SCAFFOLDING POST AND SCAFFOLDING HAVING A SCAFFOLDING POST ~71:WILHELM LAYHER VERWALTUNGS-GMBH, Ochsenbacher Straße 56, 74363, Güglingen-Eibensbach, Germany ~72: BEHRBOHM, Wolf C~ 33:DE ~31:10 2024 122 365.0 ~32:06/08/2024

2026/09727 ~ Provisional ~54:COMPUTERIZED MULTI-SOURCE APPARATUS AND METHOD FOR SELECTIVE MECHANICAL EXTRACTION AND CONTINUOUS GRAVIMETRIC SEPARATION OF CRYSTALLINE ORE COMPONENTS VIA DEEP-PENETRATING LOW-FREQUENCY RESOUNDING HARMONICS ~71:ALAIN DANIEL SHEKOMBA, 27 CAPER AVENUE, ELDORAIGNE, South Africa ~72: Alain Daniel SHEKOMBA~

2026/09728 ~ Provisional ~54:A METHOD, SYSTEM, AND APPARATUS FOR PREDICTIVE DYNAMIC CACHING AND MUTUALIZED LAYER 2 ROUTING OPERATING VIA CROSS-LAYER SCALE MONOMORPHISM FOR LAST MILE EDGE COMPUTING IN CELLULAR TELECOMMUNICATION NETWORKS ~71:Alain Daniel SHEKOMBA, 27 CAPER AVENUE, ELDORAIGNE, South Africa ~72: Alain Daniel SHEKOMBA~

2026/09665 ~ Provisional ~54:ZIPPER CLIP ~71:Nanocode Limited, 201 Rogers Office Building, Edwin Wallace Rey Drive, Anguilla ~72: HEWLETT, Ben Bardour;HEWLETT, John Rohan;HEWLETT, Murray~

2026/09669 ~ Complete ~54:A VEHICLE INTERIOR MOVEMENT SENSING DEVICE ~71:SANJI ELECTRONICS (PTY) LTD, Kyalami Business Park, 39 Kyalami Boulevard, Kyalami, 1684, South Africa ~72: DA SERRA, Tony;KAHN, Larry~ 33:ZA ~31:2026/03025 ~32:18/03/2026

2026/09687 ~ Complete ~54:RESTRICTIONS ON BINARY TREE CODING UNITS TO APPLY QUAD TREE STRUCTURE ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: AHMAD, Waqas;ANDERSSON, Kenneth;WENNERSTEN, Per~ 33:US ~31:63/631,678 ~32:09/04/2024

2026/09692 ~ Complete ~54:A RECOMBINANT BACTERIAL STRAIN AS TUBERCULOSIS VACCINE CANDIDATE, AND METHODS OF PRODUCING THEREOF ~71:UNIVERSITY OF SASKATCHEWAN, 120 Veterinary Road, Saskatoon, Saskatchewan, S7N 5E3, Canada ~72: CHEN, Jeffrey Matthew;ZRIBA, Slim~ 33:US ~31:63/573,370 ~32:02/04/2024

. - APPLIED ON 2026/10/07 -

2026/09700 ~ Provisional ~54:MODULAR PAYLOAD CARTRIDGE WITH STAGED PROTECTIVE SEPARATION AND RETAINED HANDLING INTERFACES ~71:Jithen Raghunandan, 40 Figdale Close, Newlands West, South Africa ~72: Jithen Raghunandan~

2026/09722 ~ Complete ~54:MODIFIED ONCOLYTIC VIRUS AND COMPOSITION THEREOF ~71:GENESAIL BIOTECH (SHANGHAI) CO. LTD., Building 1, No. 588 Qingdai Road, No. 208, Banxia Road, Pudong New Area, Shanghai, 201318, People's Republic of China ~72: LIANG, Min;YUAN, Yifei~ 33:CN ~31:202410266040.4 ~32:08/03/2024

2026/09754 ~ Provisional ~54:SMART ELECTRONIC SCORING POLE SYSTEM FOR TARGET-BASED SPORTS, PARTICULARLY ONE-PALA ~71:Jonathan Thabang Tau, 242 Block C, South Africa ~72: Jonathan Thabang Tau~

2026/09705 ~ Provisional ~54:ORBITAL PAYLOAD HANDLING AND DISPATCH APPARATUS WITH COORDINATED RECOVERY CONTROL ~71:Jithen Raghunandan, 40 Figdale Close, Newlands West, South Africa ~72: Jithen Raghunandan~

2026/09711 ~ Complete ~54:CONTROL SYSTEM FOR CONTROLLING A FUEL CELL SYSTEM ~71:POWERCELL SWEDEN AB, Ruskvädersgatan 12, Sweden ~72: BERKLING, Richard;BJÖRE, Per;BODÉN, Andreas~ 33:SE ~31:2430193-9 ~32:10/04/2024

2026/09718 ~ Complete ~54:ELECTRICAL CONNECTOR FOR HIGH VOLTAGE CABLES ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: BEETLER, Timothy R.;BELL, Brian R.;CHU, Allen B.;LANDIS, C. Brahm;TIGGEMANN, Ian A.;VAIL, Adam R.~ 33:US ~31:18/630,711 ~32:09/04/2024

2026/09709 ~ Complete ~54:PROP INSTALLATION ~71:MSP MINE SUPPORT PRODUCTS (PTY) LTD, 108 Houtkop Road, South Africa ~72: NISSEN, Christian Engelstoft~ 33:ZA ~31:2025/07746 ~32:12/09/2025

2026/09712 ~ Complete ~54:APTAMERS FOR INTRAOPERATIVE GLIOBLASTOMA STAINING AND METHOD FOR USING SAME ~71:OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "APTAMERLAB", ul.Sverdlovskaya, d.57, kv.26, Krasnoyarsk, 660121, Russian Federation ~72: ARTYUSHENKO, Polina Vladimirovna;KICHKAILO, Anna Sergeevna;KOLOVSKAYA, Olga Sergeevna;NARODOV, Andrey Arkadievich;SCHUGOREVA, Irina Andreevna;ZAMAI, Galina Sergeevna~ 33:RU ~31:2023132448 ~32:08/12/2023

2026/09715 ~ Complete ~54:CONTROL METHOD FOR AEROSOL PROVISION SYSTEM AND AEROSOL PROVISION SYSTEM ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON

WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: OOI, Phaik Ee;XIAO, XiangMin;ZHAO, CiHai;ZHAO, YongCai~ 33:CN ~31:202410516705.2 ~32:26/04/2024

2026/09701 ~ Provisional ~54:HERBAL COMPOSITION ~71:KATEVA, Raumianka, Dimitrova, 31 TAINTON STREET, CYRILDENE, JOHANNESBURG 2198, SOUTH AFRICA, South Africa ~72: KATEVA, Raumianka, Dimitrova~

2026/09710 ~ Complete ~54:UNDERGROUND OVERHEAD SAFETY SHIELD ~71:Eziload Mining (Pty) Ltd., Plot 67, Vlakplaas 20, Tarlton, 1749, SOUTH AFRICA, South Africa ~72: WHYTE, Shane Rodger~ 33:ZA ~31:2025/05752 ~32:07/07/2025

2026/09716 ~ Complete ~54:ARTICLE FOR INSTANT PREPARATION OF A DRINKABLE PRODUCT EQUIPPED WITH A REMOVABLE INSERT ~71:BRIZIO, Adriana, Resort Collina d'Oro, Via Roncone 22, AGRA-COLLINA D'ORO 6927 , SWITZERLAND, Switzerland ~72: BRIZIO, Adriana~ 33:EP ~31:24169680.6 ~32:11/04/2024

2026/09702 ~ Provisional ~54:A BIOSENSOR ~71:JOHANNES JACOBUS JOUBERT, 5 Rodger Street, South Africa ~72: JOUBERT, Johannes Jacobus~

2026/09703 ~ Provisional ~54:A CARDIAC EVENT LOGGING DEVICE ~71:JOHANNES JACOBUS JOUBERT, 5 Rodger Street, South Africa ~72: JOUBERT, Johannes Jacobus~

2026/09714 ~ Complete ~54:CRYSTALLINE FORM OF (S)-N-ETHYL-3-((9-ETHYL-2-(((2R,3S)-2-HYDROXYPENTAN-3-YL)AMINO)-9H-PURIN-6-YL)AMINO)-PYRROLIDINE-1-SULFONAMIDE ~71:ASTRAZENECA AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: WU , Dedong~ 33:US ~31:63/571,558 ~32:29/03/2024

2026/09717 ~ Complete ~54:TREATMENT OF DYSMENORRHEA ~71:VISTAGEN THERAPEUTICS, INC., 343 Allerton Avenue, SOUTH SAN FRANCISCO 94090, CA, USA, United States of America ~72: MONTI, Louis~ 33:US ~31:63/631,389 ~32:08/04/2024;33:US ~31:63/631,434 ~32:08/04/2024;33:US ~31:63/711,496 ~32:24/10/2024

2026/09719 ~ Complete ~54:DIGESTER AID FOR THE KRAFT PROCESS ~71:DOW GLOBAL TECHNOLOGIES LLC, 2211 H.H. Dow Way, United States of America ~72: BHARADWAJ, Ashwin;JANSE, Bernard;MUKHOPADHYAY, Sukrit;WRIGHT, Robert~ 33:US ~31:63/632,057 ~32:10/04/2024

2026/09720 ~ Complete ~54:TRACKING REFERENCE SIGNAL BASED SYNCHRONIZATION SIGNAL BLOCK-LESS SECONDARY CELL ACTIVATION ~71:NOKIA TECHNOLOGIES OY, Karakaari 7, Finland ~72: DALSGAARD, Lars;DU, Lei;KAPURUHAMY BADALGE, Shashika Manosha;ZHENG, Naizheng~

2026/09724 ~ Complete ~54:NOVEL CRYSTALLINE FORM OF ISOXAZOLE HERBICIDE AND PREPARATION METHOD THEREFOR ~71:SHANDONG JINGBO AGROCHEMICALS TECHNOLOGY CO., LTD., Boxing Economic Development Zone, Binzhou City, People's Republic of China ~72: CHENG, Daoquan;LI, Ke;LIU, Kun;SONG, Guoliang;WANG, Guan;WANG, Pengyan;WANG, Xiangchuan;YU, Meiqiang~ 33:CN ~31:202510632134.3 ~32:15/05/2025

2026/09704 ~ Provisional ~54:ELECTROMAGNETIC LAUNCH APPARATUS WITH CONTROLLED ENERGY ACCUMULATION AND LAUNCH AUTHORISATION ~71:Jithen Raghunandan, 40 Figdale Close, Newlands West, South Africa ~72: Jithen Raghunandan~

2026/09708 ~ Complete ~54:PROP INSTALLATION ~71:MSP MINE SUPPORT PRODUCTS (PTY) LTD, 108 Houtkop Road, South Africa ~72: NISSEN, Christian Engelstoft~ 33:ZA ~31:2025/07745 ~32:12/09/2025

2026/09707 ~ Complete ~54:PERFUSION BIOREACTOR WITH FILTRATION SYSTEMS ~71:GENZYME CORPORATION, 50 Binney Street, Cambridge, MA, United States of America ~72: CHEN, Kevin, Victor;LU, Jiuyi;WALTHER, Jason;WANG, Jonathan~ 33:US ~31:62/667,319 ~32:04/05/2018

2026/09725 ~ Provisional ~54:AINERGY FUEL DESPENCER 777 777 POINT 7 ~71:STEPHANUS JOHANNES VAN DER WALT, 85 NICOL STREET, HEILBRON, South Africa ~72: STEPHANUS JOHANNES VAN DER WALT~

2026/09721 ~ Complete ~54:HETEROCYCLIC SUBSTITUTED PYRIMIDOPYRAN COMPOUNDS AND THEIR APPLICATIONS ~71:D3 BIO (WUXI) CO., LTD., Room 324, 88 MeiLiang Road, MaShan Street, BinHu District Wuxi, Jiangsu, 214092, People's Republic of China ~72: CHEN, Zhijian;MOOK, Jr. Robert A;WANG, Tienan;XIE, Haibo;ZHANG, Jing;ZHU, Jiuxiang~ 33:CN ~31:202410309827.4 ~32:18/03/2024;33:CN ~31:PCT/CN2024/083328 ~32:22/03/2024

2026/09729 ~ Provisional ~54:COMPUTER-IMPLEMENTED COORDINATION OF ASYNCHRONOUS EXTERNAL EXECUTION AND CONTINUING TRANSACTION STATE ~71:Tabbil (Pty) Ltd, 52 Andrews Rd, South Africa ~72: Russell Sean De Jager~

2026/09706 ~ Provisional ~54:PROTECTED SCIENTIFIC PROBE CARRIER WITH CONDITION DEPENDENT DEPLOYMENT AND MEASUREMENT VALIDATION ~71:Jithen Raghunandan, 40 Figdale Close, Newlands West, South Africa ~72: Jithen Raghunandan~

2026/09713 ~ Complete ~54:METHODS FOR OPTIMIZING THE RATE OF CARBON MINERALIZATION IN ALKALINE MATERIALS AT EARTH SURFACE CONDITIONS ~71:ARCA CLIMATE TECHNOLOGIES INC., 1600 - 925 West Georgia Street, VANCOUVER V6C 3L2, BRITISH COLUMBIA, CANADA, Canada;THE UNIVERSITY OF BRITISH COLUMBIA, University-Industry Liaison Office, 103-6190 Agronomy Road, VANCOUVER V6T 1Z3, BRITISH COLUMBIA, CANADA, Canada ~72: DIPPLE, Gregory M.;DOUCET, Anne-Martine;SCHEUERMANN, Peter P.;SOLOMATOVA, Natalia;WYNANDS, Eric~ 33:US ~31:63/569,923 ~32:26/03/2024

2026/09723 ~ Complete ~54:BIOACTIVE FLUID COMPOSITIONS ~71:GAND, INC., 1000 5th Street Suite 200-C2, Miami Beach, Florida, 33139, United States of America ~72: O'CONNELL, Peta J;STEED, David;TADAKI, Douglas~ 33:US ~31:63/568,334 ~32:21/03/2024

2026/09726 ~ Provisional ~54:FLOWSYNC ~71:PHINDILE JABULILE MOAFURIWA (LUVUNO), 42 CANYON/AVENUE BERARIO, South Africa ~72: PHINDILE JABULILE MOAFURIWA (LUVUNO)~

. - APPLIED ON 2026/10/08 -

2026/09730 ~ Provisional ~54:PIN VALVE ~71:Johannes Jacobus Naude, 12 Arend Avenue, South Africa ~72: Johannes Jacobus Naude~

2026/09740 ~ Complete ~54:USE OF EMAPALUMAB FOR TREATMENT ~71:SWEDISH ORPHAN BIOVITRUM AG, Riehenring 182, Switzerland ~72: ALFANO, Simon Jonas;GIAMARELLOS-BOURBOULIS, Evangelos J.;JAMIESON, Brian David;MONNET, Emmanuel Pierre~ 33:EP ~31:24386049.1 ~32:26/04/2024;33:US ~31:63/639,216 ~32:26/04/2024;33:US ~31:63/676,024 ~32:26/07/2024;33:US ~31:63/728,240 ~32:05/12/2024

2026/09744 ~ Complete ~54:ANTI-APRIL ANTIBODIES ~71:BOULEVARD BIO, INC., 345 Park Avenue South, 12th Floor, NEW YORK 10010, NY, USA, United States of America ~72: CHAPMAN, Justin;GONCALVES, Kevin A.;LORENZ, Ivo;RANALLETTA, Mollie~ 33:US ~31:63/631,909 ~32:09/04/2024

2026/09734 ~ Provisional ~54:FOOT-OPERATED SENSORY REGULATION DEVICE ~71:GROUNDGLIDE SA (PTY) LTD, 77 MOUNT AUGUSTA DRIVE MIDLANDS ESTATE, South Africa ~72: VAN STADEN, CHERISE LOUISE~

2026/09741 ~ Complete ~54:HYDROGEN-VACANCY-RICH NIFE-LDH MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Qiongshan District, Haikou City, Hainan Province, 571198, People's Republic of China ~72: CHEN Huaxia;LI Jing;WU Heng~

2026/09733 ~ Provisional ~54:SYSTEM AND METHOD FOR AUTOMATICALLY CONVERTING VERIFIED PHYSICAL COLLECTIBLES INTO GAME-READY PARAMETERS ~71:Jan Harm Steenkamp, 112 Dickens Lane, South Africa ~72: Jan Harm Steenkamp~

2026/09750 ~ Complete ~54:METHODS AND SYSTEMS FOR REACTIVE SEPARATION OF BIOMASS-DERIVED MATERIALS IN BIOREFINERIES ~71:GRANBIO INTELLECTUAL PROPERTY HOLDINGS, LLC, 300 McIntosh Parkway, Thomaston Biorefinery, IP Dept., Thomaston, Georgia, 30286, United States of America ~72: BAYUADRI, Cosmas;GALLAHER, Cody;NELSON, Kim;ZEBROSKI, Ryan~ 33:US ~31:63/640,097 ~32:29/04/2024

2026/09731 ~ Provisional ~54:DETERMINISTIC COMPUTATIONAL REASONING REUSE IN ARTIFICIAL INTELLIGENCE INFERENCE INFRASTRUCTURE ~71:DaVinci (Pty) Ltd., Simbithi Eco Estate, Simbithi Office Park, Unit 218, 1 Sagila Lane, BALLITO 4399, KwaZulu-Natal, SOUTH AFRICA, South Africa ~72: DOWNING, Oscar Leslie Jeremy;JOUGHIN, Nicholas Mojalefa~

2026/09735 ~ Provisional ~54:SYSTEM AND METHOD FOR ADMITTING AN EXTERNALLY PRODUCED PRESENTATION ARTEFACT OF AN AUTHORED WORK INTO A CRYPTOGRAPHIC SEAL OVER A RECORD OF THE WORK'S AUTHORING PROCESS UPON A TOLERANT CONTENT-EQUIVALENCE DETERMINATION AGAINST RECORD-DERIVED REFERENCE CONTENT, COMPRISING ACQUISITION OF A NATIVE REPRESENTATION OF THE WORK WITHIN THE AUTHOR'S APPLICATION SESSION AND ITS CONVERSION IN AN ISOLATED CONVERTER, FALLBACK TO AN ISSUER-GENERATED ARTEFACT, DEFERRED ADMISSION INTO AN EXISTING SEAL GENERATION WITHOUT RE-MINTING, AND LOCAL-HASH VERIFICATION OF SEALED ARTEFACTS ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/09738 ~ Complete ~54:RAPID RETRIEVAL METHOD AND SYSTEM FOR GROUNDWATER LEVEL DISTRIBUTION IN A TYPICAL HYDROLOGICAL YEAR ~71:Water Resources Research Institute of Shandong Province, No. 125 Lishan Road, Lixia District, Jinan City, Shandong Province, 250000, People's Republic of China ~72: JIANG Yao;WANG Xin;XIE Yi;XUE Yan;YANG Zhen~

2026/09742 ~ Complete ~54:FEEDING MECHANISM AND PIPE FEEDING DEVICE ~71:JINAN ACME CNC EQUIPMENT CO., LTD., No.88 Hexing Road, Cui Zhai Street Start-up Area, Jinan, Shandong 251400, People's Republic of China ~72: NIE, Zhiwei;YU, Yin~ 33:CN ~31:2024104715420 ~32:19/04/2024

2026/09747 ~ Complete ~54:NUTRIENT COMPOSITION FOR IMPROVING OSMOTIC STRESS TOLERANCE OF PLANTS ~71:RAO, Jayprakash G, Tulsi Dhara, Gokul Nagari, Wayle Nagar,, Gandhar Nagar, Khadakpada,, Kalyan, India., 421301, India ~72: RAO, Jayprakash G~ 33:IN ~31:202421017570 ~32:11/03/2024

2026/09753 ~ Provisional ~54:HANDS FREE ADJUSTABLE UMBRELLA ~71:SEAN KENNETH SWART, 235 HOLWORTHY AVENUE, EERSTERUST, GAUTENG, South Africa ~72: SEAN KENNETH SWART~

2026/09732 ~ Provisional ~54:SYSTEMS AND METHODS FOR GOVERNED PUBLIC-ECONOMIC OBSERVATION CONSTITUTION FROM A PLURALITY OF INDEPENDENTLY GOVERNED WAGE STATES USING OBSERVATION-LOCAL PARTICIPATION QUALIFICATION, MEASURE-DEFINITION-BOUND WAGE-SEMANTIC COMPATIBILITY, A CONSTITUTIVE PUBLIC-ECONOMIC BASIS RELATION, AND SEPARATELY CONSTITUTED AGGREGATE OBSERVATION MEANING ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/09746 ~ Complete ~54:AGRICULTURAL COMPOSITION FOR IMPROVING OSMOTIC STRESS TOLERANCE OF PLANTS ~71:RAO, Jayprakash G, Tulsi Dhara, Gokul Nagari, Wayle Nagar,, Gandhar Nagar, Khadakpada,, Kalyan,, 421301, India ~72: RAO, Jayprakash G~ 33:IN ~31:202421017570 ~32:11/03/2024

2026/09752 ~ Complete ~54:VIRAL VECTORS ENCODING ANTIGEN-DISPLAYING PROTEIN NANOPARTICLES ~71:BAVARIAN NORDIC A/S, Philip Heymans Alle 3, 2900 Hellerup, Denmark ~72: BROD, Florian;HABJAN, Matthias;HAUSMANN, Jürgen;HINTERBERGER, Maria;RAMBICHLER, Stephan;STEIGERWALD, Robin;WENNIER, Sonia~ 33:EP ~31:24176749.0 ~32:17/05/2024

2026/09745 ~ Complete ~54:ANTI-B LYMPHOCYTE STIMULATOR ANTIBODIES ~71:BOULEVARD BIO, INC., 345 Park Avenue South, 12th Floor, NEW YORK 10010, NY, USA, United States of America ~72: CHAPMAN, Justin;GONCALVES, Kevin A.;LORENZ, Ivo;RANALLETTA, Mollie~ 33:US ~31:63/631,900 ~32:09/04/2024

2026/09748 ~ Complete ~54:TREATMENT FOR CUTANEOUS SCARS ~71:AFT PHARMACEUTICALS LIMITED, Level 1, 129 Hurstmere Road, Takapuna, New Zealand;GILLIES MCINDOE RESEARCH INSTITUTE, 7 Hospital Road, Newtown, New Zealand;MASSEY VENTURES LIMITED, Massey University, Turitea Campus, 234 Tennent Drive, New Zealand ~72: CHAN, Alex;GRAY, Clint;MACKAY, Sean;WHITE, Madeleine~ 33:NZ ~31:810184 ~32:16/04/2024

2026/09736 ~ Complete ~54:METHOD AND FACILITY FOR PREPARING AND EVALUATING BATTERIES ~71:PRIMOBIUS GMBH, Wiesenstr. 30, Germany ~72: BREUER, Michael;GIER-ZUCKETTO, Joachim~ 33:DE ~31:10 2022 203 084.2 ~32:29/03/2022;33:DE ~31:10 2023 200 645.6 ~32:26/01/2023

2026/09739 ~ Complete ~54:LOW PRESSURE PROCESS FOR SYNTHESIS OF PT(PF_3)$_4$ INVOLVING A SOLUBLE INTERMEDIATE AND STORAGE OF OBTAINED PT(PF_3)$_4$ ~71:L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, 75 Quai D"Orsay, PARIS 75007, FRANCE, France ~72: BLASCO, Nicolas;NIKIFOROV, Grigory~ 33:US ~31:17/546,169 ~32:09/12/2021

2026/09743 ~ Complete ~54:COMBINATION FOR REDUCING PHYTOTOXICITY OF SYSTEMIC FUNGICIDES IN CROPS AND RELATED METHODS ~71:UPL MAURITIUS LIMITED, 6th Floor, Suite 157B, Harbor Front Building, President John Kennedy Street, PORT LOUIS, MAURITIUS, Mauritius ~72: PERKINS, Evan;YPEMA, Hendrik Leonard~ 33:US ~31:63/632,661 ~32:11/04/2024

2026/09751 ~ Complete ~54:POLYMORPHIC SMARCA INHIBITORS AND USES THEREOF ~71:PRELUDE THERAPEUTICS INCORPORATED, 175 Innovation Boulevard, Wilmington, Delaware 19805, United States of America ~72: CAO, Ganfeng;COMBS, Andrew;PAN, Yongchun;SHEN, Bo;TANG, Xi;WEN, Saishuai;ZHANG, Dongxin~

2026/09749 ~ Complete ~54:PRECONFIGURED UPLINK RESOURCE SHARING IN NON-TERRESTRIAL NETWORKS ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: ALFARHAN, Faris;KUBOTA, Keiichi;LEE, Moon-Il;MARINIER, Paul;MARTIN, Brian;SALIM, Umer;TEYEB, Oumer;WATTS, Dylan~ 33:US ~31:18/655,865 ~32:06/05/2024

2026/09737 ~ Complete ~54:METHOD AND SYSTEM FOR TRANSFER LEARNING TRAINING OF GROUNDWATER LEVEL PREDICTION MODEL ~71:Water Resources Research Institute of Shandong Province, No. 125 Lishan Road, Lixia District, Jinan City, Shandong Province, 250000, People's Republic of China ~72: JIANG Yao;WANG Xin;XIE Yi;XUE Yan;YANG Zhen~

. - APPLIED ON 2026/10/09 -

2026/09757 ~ Provisional ~54:TRAIN MANAGEMENT AND SAFETY CENTRE ~71:E-Rail, 21 West Rd South, South Africa ~72: Marian-Sorin Baltac~

2026/09756 ~ Provisional ~54:SELF-POWERED SECURITY PERIMETER AND ENERGY NODE BAY THEREFOR ~71:James Anderson, 64 Main Street, South Africa ~72: James Anderson~

2026/09760 ~ Provisional ~54:SPRING-BIASED COMPRESSION DEVICE FOR PRESSURISING A FLEXIBLE INFUSION CONTAINER ~71:BRADLEY KYLE DUNCAN, 18 MORGENSTER CRESCENT, South Africa ~72: BRADLEY KYLE DUNCAN~

2026/09764 ~ Complete ~54:METHOD AND APPARATUS FOR FROTH FLOTATION CHROMITE BENEFICIATION USING AN EXTERNAL MIXING SYSTEM ~71:XTROPY HOLDINGS (PTY) LTD, 23 Webinar Court, 1 St George Street, Lionviham, South Africa ~72: VAN ANTWERPEN, Ehrart Wynand;WHITEHEAD, Brian~ 33:WO ~31:PCT/ZA2026/050001 ~32:16/01/2026

2026/09774 ~ Complete ~54:ADHESIVES AND METHODS FOR MAKING AND USING THE SAME ~71:UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., 210 S. Jackson Street 110 Terrell Hall Athens, Georgia 30602, United States of America ~72: LOCKLIN, Jason John;RITCHIE, Branson W;STINCHCOMB, Ethan Jacob;WHITE, Evan Michael~ 33:US ~31:63/575,913 ~32:08/04/2024

2026/09761 ~ Complete ~54:HIGH-VOLTAGE CABLE AND METHOD FOR MANUFACTURING THE SAME ~71:Beijing TIANCHENG Ruiyuan Cable Co., Ltd., No.3 Yushun Road, Yufa Town, Daxing District, Beijing, Beijing, People's Republic of China ~72: Junjie Qian;Lulu Ji;Mingyu Zhang;Wei Ji;Xinan He;Zongying Ji~

2026/09765 ~ Complete ~54:METHOD AND DEVICE FOR ENCODING AND DECODING CHROMINANCE SIGNAL ON BASIS OF CORRELATION BETWEEN EFFECTIVE COMPONENTS ~71:KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION, 60 Gwangun-ro 1-gil, Nowon-gu, Republic of Korea ~72: KIM, Young Uk;LEE, Min Hun;SIM, Dong Gyu~ 33:KR ~31:10-2024-0041874 ~32:27/03/2024

2026/09766 ~ Complete ~54:IMPROVED VACCINES ~71:AVAXMED LIMITED, 120A&B Olympic Avenue, Milton Park, Abingdon, United Kingdom ~72: DULAL, Pawan;HOWARD, Michael Keith;PRASANNA, Maruthi~ 33:GB ~31:2405261.5 ~32:12/04/2024

2026/09769 ~ Complete ~54:DEVICE FOR STACKING VOUCHERS ON A SUPPORTING SURFACE, AND ROTATABLE IMPELLER ~71:DIEBOLD NIXDORF SYSTEMS GMBH, Heinz-Nixdorf-Ring 1, PADERBORN 33106, GERMANY, Germany ~72: BRZEZINSKI, Roman;SCHILD, Michael~ 33:EP ~31:24167409.2 ~32:28/03/2024

2026/09772 ~ Complete ~54:METHODS AND MONITORING OF TREATMENT WITH LANIFIBRANOR ~71:INVENTIVA, 50 rue de Dijon, 21121, Daix, France ~72: BAUDIN, Martine;GRIFFEL, Louis Howell~

2026/09778 ~ Provisional ~54:SELF ADJUSTING GRAVY/SAUCE PERCOLATOR ~71:VAN ALTENA FAMILT TRUST, 24 ROMNEY.ST DE LA HAYE BELLVILLE, South Africa ~72: ANTHONIE GERHARDUS VAN ALTENA~

2026/09759 ~ Provisional ~54:A METHOD OF CURRICULUM-ANCHORED ROLE-PLAYING SIMULATION FOR TRAINING AND ASSESSMENT ACROSS ALL LEARNING FIELDS ~71:arthur gert nieklaassen, 09 Endeman Street Dawnpark Boksburg South Africa, South Africa ~72: arthur gert nieklaassen~

2026/09763 ~ 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: BRUCH, Zach;SEIBEL, James;WILSON, Max~ 33:US ~31:63/584,831 ~32:22/09/2023;33:US ~31:63/596,448 ~32:06/11/2023

2026/09776 ~ Complete ~54:DOSES AND FORMULATIONS OF ANTI-IL-15 ANTIBODY FOR THE TREATMENT OF IMMUNE DISEASES ~71:CEPHALON LLC, 145 Brandywine Parkway, West Chester, Pennsylvania, 19380, United States of America ~72: ELIEZER, Inbal Ben;ELYADA, Ela;GROSSMAN, Moran;GUTMAN, Dikla;MAIJOROVAITE, Zaneta;RADIVOJEVIC, Andrijana;RIGBY, Mark R;SIKSOU, Lea;ZEYGARNIK, Mikhail~ 33:US ~31:63/639,312 ~32:26/04/2024;33:US ~31:63/690,643 ~32:04/09/2024;33:US ~31:63/781,856 ~32:01/04/2025

2026/09779 ~ Provisional ~54:CORDLESS ELECTRICAL FRYING PAN ~71:LEONARD PETERSEN FAMILY TRUST I/T132/2004, No.45-30TH AVE ELSIES RIVER, South Africa ~72: LEONARD PETERSEN~

2026/09767 ~ Complete ~54:METHOD AND DEVICE FOR PREDICTING CHROMINANCE SIGNAL ON BASIS OF MULTI-MODEL THAT IS BASED ON CORRELATION BETWEEN COMPONENTS AND USES ADAPTIVE FILTERING ~71:KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION, 60 Gwangun-ro 1-gil, Nowon-gu, Republic of Korea ~72: KIM, Young Uk;LEE, Min Hun;SIM, Dong Gyu~ 33:KR ~31:10-2024-0041873 ~32:27/03/2024

2026/09771 ~ Complete ~54:RECYCLABLE CONTAINER AND APPARATUS FOR AND METHOD OF FORMING A SHIPPING PACK HAVING ARTICLES SECURED THEREIN ~71:WHITESIDE, Andrew David, The Staithe Business Suite, Staithe Road, BUNGAY NR35 1ET, NORFOLK, UNITED KINGDOM, United Kingdom ~72: WHITESIDE, Andrew David~ 33:GB ~31:2403520.6 ~32:11/03/2024

2026/09775 ~ Complete ~54:INHIBITORS OF FATTY ACID BINDING PROTEINS (FABPS), METHODS OF USE AND METHODS OF MAKING ~71:CELLORAM, INC., 11000 cedar Avenue 100F, #23, Cleveland, Ohio 44106, United States of America ~72: GREENLEE, William J;KIM, Seong-Jin;LEVI, Liraz;LIM, Seunghwan;MEYERS, Elizabeth;PAREEK, Tej~ 33:US ~31:63/637,547 ~32:23/04/2024;33:US ~31:63/669,489 ~32:10/07/2024

2026/09777 ~ Provisional ~54:REPURPOSED SMARTPHONE AND SMART FITNESS WEARABLE DEVICE ~71:3-TECH-IN PTY LTD, 8851 MOTJOLI STREET, PARADISE PARK EXT 13, South Africa ~72: MPUMELELO SIBANGO;NHLANHLA ROBIN NKABINDE;PAKISO JONAS MOFOKENG~

2026/09758 ~ Provisional ~54:BRUSHING CONTROL DEVICE FOR ELONGATE TIMBER SUPPORT ~71:TITAN MINING (PTY) LTD, 14 Bussing Road, Aureus, RANDFONTEIN 1759, Gauteng, SOUTH AFRICA, South Africa ~72: LAWRENCE, Allen Preston~

2026/09770 ~ Complete ~54:SCALABLE METHODS OF MANUFACTURING PSILOCYBIN ~71:COMPASS PATHFINDER LIMITED, 3rd Floor, 1 Ashley Road, ALTRINCHAM WA14 2DT, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: ATHERTON, Jonathan Charles Christian;CZYZEWSKI, Michal;LAWRENCE, Ronnie Maxwell~ 33:US ~31:63/633,440 ~32:12/04/2024;33:US ~31:19/175,672 ~32:10/04/2025

2026/09755 ~ Provisional ~54:SAFE RIDE APPLICATION ~71:Sinenkosi Mntambo, 177 Sixth avenue, South Africa ~72: Sinenkosi Mntambo~ 33:ZA ~31:2 ~32:08/10/2026

2026/09762 ~ Complete ~54:BENZISOTHIAZOLE, ISOTHIAZOLO[3,4-B]PYRIDINE, QUINAZOLINE, PHTHALAZINE, PYRIDO[2,3-D]PYRIDAZINE AND PYRIDO[2,3-D]PYRIMIDINE DERIVATIVES AS KRAS G12C INHIBITORS FOR TREATING LUNG, PANCREATIC OR COLORECTAL CANCER ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: ASHTON, Kate;BOOKER, Shon;CEE, Victor J.;KOPECKY, David John;LANMAN, Brian Alan;LOPEZ, Patricia;PICKRELL, Alexander J.;REED, Anthony B.;TEGLEY, Christopher M.;WANG, Hui-Ling;YANG, Kevin C.~ 33:US ~31:62/438,334 ~32:22/12/2016

2026/09768 ~ Complete ~54:USE OF BISPECIFIC ANTI-EGFR/C-MET ANTIBODIES TO TREAT SOLID TUMORS ~71:JANSSEN BIOTECH, INC., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: ALHADAB, Ali;BAIG, Mahadi;BAUML, Joshua;HADDISH-BERHANE, Nahor;KNOBLAUCH, Roland;SCHUSTER, Pamela~ 33:US ~31:63/563,567 ~32:11/03/2024

2026/09773 ~ Complete ~54:LIPID NANOPARTICLES AND LIPID NANOPARTICLE COMPOSITION ~71:RINUAGENE BIOTECHNOLOGY CO., LTD., Unit 201, Building 24, Zone C, Suzhou Biomedical Industrial Park (Phase II), 218 Sangtian Street, Suzhou Industrial Park, Suzhou Zone of China (Jiangsu) Pilot Free Trade Zone, Suzhou, Jiangsu, 215000, People's Republic of China;RINUAGENE INTERNATIONAL HK LIMITED, Suite 603, 6/F., Laws Commercial Plaza, 788 Cheung Sha Wan Road, Kowloon, Hong Kong, 999077, People's Republic of China ~72: CEN, Shan;DONG, Yijie~ 33:CN ~31:PCT/CN2024/081355 ~32:13/03/2024

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2026/09806 ~ Complete ~54:ANTIPARASITIC COMPOUNDS ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: HECKEROTH, Anja Regina;HUNTER, James Edward;KATZENSTEIN, Joshua;LAWLER, Lori Kay;LUTZ, Jürgen;SCHMITT, Harald;SHEEHAN, John Gerard;TRULLINGER, Tony Kent;WALSH, Martin Joseph;WILLIAMS, Heike;ZOLLER, Hartmut~ 33:EP ~31:21153638.8 ~32:27/01/2021;33:US ~31:63/292,561 ~32:22/12/2021

2026/09814 ~ Complete ~54:METHOD FOR PRODUCING LIOH ~71:PRIME LITHIUM AG, Friesenweg 28, Germany ~72: HEITMANN, Axel;HUBER, Michael;JUHLKE, Tobias;SCHNEIDER, Christian;WAGNER, Paul~ 33:EP ~31:24165533.1 ~32:22/03/2024

2026/09824 ~ Complete ~54:POWER SUPPLY SYSTEM FOR A REACTOR ASSEMBLY ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: ERASMUS, Johan;GROTKJÆR, Ove Rasmussen;MORTENSEN, Peter Mølgaard;THOMSEN, Søren Gyde~ 33:EP ~31:24175609.7 ~32:14/05/2024

2026/09780 ~ Provisional ~54:A TRADER'S FAST-LANE SYSTEM FOR ELECTRONIC MARKETPLACES, COMPRISING PRESET-BOUND DEVICE LAUNCHERS WITH SERVER RE-GATED SINGLE-STEP PUBLICATION AND SEARCH, AND A RULE-BOUND STANDING-MANDATE ASSISTANT AGENT ~71:David Maurice Conradie, 6 Villa Christiaan, 98 Manie Road, Elarduspark, South Africa ~72: David Maurice Conradie~

2026/09817 ~ Complete ~54:COTTON TRANSGENIC EVENT GH_BCS246002 AND METHODS FOR DETECTION AND USES THEREOF ~71:MONSANTO TECHNOLOGY LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: AHMAD, Aqeel;AHRENS, Jeffrey;BROWN, Sarah L.;CLONINGER, Cheryl;HOWE, Arlene R.;MA, Jiyan;RYMARQUIS, Linda;STELZER, Jason~ 33:US ~31:63/645,146 ~32:10/05/2024

2026/09818 ~ Complete ~54:A METHOD OF RECOVERING IRIDIUM IN A PLATINUM GROUP METAL REFINING PROCESS ~71:JOHNSON MATTHEY PUBLIC LIMITED COMPANY, HQ Building, Orchard Road, ROYSTON SG8 5HE, HERTFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: RICHARDS, Stephen Paul;SLACK, Thomas~ 33:GB ~31:2406804.1 ~32:14/05/2024

2026/09819 ~ Complete ~54:INTERNAL COMBUSTION ENGINE AND ELECTRICITY GENERATION SYSTEM ~71:HYDROGENUS ENERGY LIMITED, Block Arcade, Suite 324, 96 Elizabeth Street, MELBOURNE 3000, VIC, AUSTRALIA, Australia ~72: CLAYTON, Mark Allen~ 33:AU ~31:2024900658 ~32:13/03/2024

2026/09821 ~ Complete ~54:ABSCISIC ACID AND MALIC ACID SOLID COMPOSITIONS ~71:SUMITOMO BIORATIONAL COMPANY LLC, 1910 Innovation Way, Suite 100, United States of America ~72: McARTNEY, Steve;SHARMA, Parvesh;ZHEN, Yueqian~ 33:US ~31:63/634,575 ~32:16/04/2024

2026/09828 ~ Provisional ~54:RAILWAY TURNOUT WITH VERTICAL MOVING BLADES ~71:E-Rail, 21 West Rd South, South Africa ~72: Marian-Sorin Baltac~

2026/09786 ~ Provisional ~54:CIMSUITE-RM: COMPUTE-IN-MEMORY ARCHITECTURE WITH MINIATURIZED THERMOELECTRIC GENERATOR, DUAL-PURPOSE MICROFLUIDIC THERMO-ACOUSTIC DECOUPLING, EPIGENETIC ELASTIC WEIGHT CONSOLIDATION AND QUANTUM-SAFE ASCON ATTESTATION FOR SELF-POWERED EDGE CONTINUAL LEARNING ~71:Makhado Nkhumeleni Rodney, 623 Tshaulu Tshilaphala, South Africa ~72: Makhado Nkhumeleni Rodney~ 33:ZA ~31:2026/08782 ~32:07/09/2026;33:ZA ~31:2026/08838 ~32:08/09/2026;33:ZA ~31:2026/09530 ~32:01/10/2026

2026/09789 ~ Provisional ~54:PER-CHARACTER WRITING-PROCESS EVIDENCE CAPTURED FROM INSIDE A THIRD-PARTY EDITOR, WITHIN THE SANDBOX OF A BROWSER EXTENSION: THE WORKING MECHANISMS BY WHICH THE EVIDENCE IS READ, RECONCILED, ATTRIBUTED, PAUSED, RESTORED, CORROBORATED, ATTESTED, POSITIONED AND SEALED, DESCRIBED AS THEY OPERATE. ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/09790 ~ Provisional ~54:TECHNOLOGY FLOW ~71:Bandile Buthelezi, 55 Soutpansberg Oakdene, South Africa ~72: Bandile Buthelezi~

2026/09793 ~ Provisional ~54:DETERMINING A WORKPIECE CONDITION BY QUADRATURE OBSERVATION OF A FREE-RUNNING RESONANT INDUCTION CIRCUIT ~71:Kevin Robert Kinnes, 11 Shiraz Way, South Africa ~72: Kevin Robert Kinnes~

2026/09812 ~ Complete ~54:METHOD FOR PRODUCING LIOH ~71:PRIME LITHIUM AG, Friesenweg 28, Germany ~72: HEITMANN, Axel;HUBER, Michael;JUHLKE, Tobias;SCHNEIDER, Christian;WAGNER, Paul~ 33:EP ~31:24165532.3 ~32:22/03/2024

2026/09816 ~ Complete ~54:NEW ENERGY GRID-FORMING CONTROL SYSTEM AND METHOD ~71:CRRC ZHUZHOU ELECTRIC LOCOMOTIVE RESEARCH INSTITUTE CO., LTD., No.169 Shidai Road, Shifeng District, ZHUZHOU 412001, HUNAN, CHINA (P.R.C.), People's Republic of China ~72: FU, Jianguo;HU, Liang;LI, Hongbo;LIANG, Xifan;MEI, Wenqing;TONG, Ziwei;WANG, Yue;ZHANG, Chaoyang;ZHANG, Zhixue;ZHOU, Zhenbang~

2026/09785 ~ Provisional ~54:A METHOD OF DISTRIBUTED AGGREGATION, VERIFICATION AND PUBLICATION OF LOWER COURT JUDGMENTS ACROSS A HIERARCHICAL COURT SYSTEM ~71:arthur gert nieklaassen, 09 endeman street, South Africa ~72: arthur gert nieklaassen~

2026/09794 ~ Provisional ~54:VERISEF - AI-POWERED PAYMENT TRUST INTELLIGENCE PLATFORM ~71:Mogomotsi Boitse, 1027 Kutlwano Street, South Africa ~72: Mogomotsi Boitse~

2026/09797 ~ Provisional ~54:POPULATION-SCALE IDENTITY TOPOLOGY FOR WILDLIFE CONSERVATION VERIFICATION ~71:GELDENHUYS, Albertus Barend, Via Camana 3, Switzerland ~72: GELDENHUYS, Albertus Barend~

2026/09798 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION AND USE THEREOF IN THE PREPARATION OF A MEDICAMENT FOR TREATING ENDOMETRITIS IN BEEF CATTLE ~71:Institute of Animal Science, Ningxia Academy of Agriculture and Forestry Sciences (Ningxia Grassland-Livestock Engineering Technology Research Center), No. 590, Huanghe East Road, Jinfeng District, Yinchuan, Ningxia, People's Republic of China ~72: CAO, Siting;CAO, Xiaozhen;CHEN, Jianyin;GUO, Shuqiang;GUO, Yanan;HE, Shenghu;LEI, Yuanyuan;LI, Yong;MA, Ke;SHAO, Qian;ZHAI, Yufei~

2026/09809 ~ Complete ~54:HIGH-PERFORMANCE MULTIFUNCTIONAL CABLE AND PREPARATION METHOD THEREOF ~71:Baoding Jingyang Lijin Cable Manufacturing Co., Ltd., Pangzuo Industrial Park, Pangjiazuo Township, Gaoyang County, Baoding, Hebei, 071503, People's Republic of China ~72: GAO, Rui;NIU, Yanhui~ 33:CN ~31:202511375282.8 ~32:25/09/2025

2026/09813 ~ Complete ~54:INTEGRATED SYSTEM FOR CUSTOMIZED PALLET ASSEMBLY AND TRACKING ~71:KAPOOR, Asheer, 803/804, F-BUILDING, SATELLITE TOWER CO. OP. HSG. SOCIETY, KOREGAON-MUNDHWA ROAD, KOREGAON PARK NX, MUNDHWA, PUNE 411036, INDIA, India ~72: KAPOOR, Asheer~ 33:IN ~31:202421009742 ~32:12/04/2024

2026/09826 ~ Complete ~54:FLUID SYSTEM HAVING FILTER CONNECTING SYSTEM BETWEEN HOUSING COMPONENTS ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: FINN, Timothy S.~ 33:US ~31:18/634,213 ~32:12/04/2024

2026/09827 ~ Provisional ~54:EXERCISING MACHINE SUPER ~71:VUYO MATOBAKO, 29295 KHAELISHA, South Africa ~72: VUYO MATOBAKO~

2026/10062 ~ Provisional ~54:CNTESTATES ~71:Christian Ntanda, 9 Magnet Street, South Africa ~72: Christian Ntanda~

2026/09782 ~ Provisional ~54:A LOCK-AWARE DIGITAL WALLET FOR A DIGITAL TOKEN WITH LOCK-UP MODULE ~71:Mfumelo Blessing Kolela, 1269 Lenchen Avenue North, South Africa ~72: Mfumelo Blessing Kolela~

2026/09784 ~ Provisional ~54:IMPROVEMENTS IN OR RELATING TO MUTUALLY AUTHENTICATED IN-APPLICATION COMMUNICATION BETWEEN AN INSTITUTION AND A CUSTOMER, INCLUDING SYSTEM PRESENTATION OF A SESSION VERIFICATION INDICIUM, GATEWAY ADMISSION OF VERIFIED SESSIONS, DEVICE-SIGNED MESSAGE RESPONSES AND PLATFORM-NEUTRAL DEVICE TRUST ~71:Didusec (Pty) Ltd, Wembley, 1st Floor, The Campus, 57 Sloane Street, South Africa ~72: Gaonakgosi Stanley Molema;Lesedi Tumelo Molema;Tshepo Katlego Molema~

2026/09791 ~ Provisional ~54:A CARRIER FOR A GOLF PUSHCART ~71:NEL, Kevin Howard, 9 Sanctuary Cove, Juliette Road, South Africa ~72: NEL, Kevin Howard~

2026/09800 ~ Complete ~54:METHOD FOR GERMINATING DIMERANDRA EMARGINATA SEEDS ~71:Lushan Botanical Garden, Jiangxi Province and Chinese Academy of Sciences, 9 Zhiqing Road, Lushan, Jiujiang, Jiangxi, 332900, People's Republic of China ~72: BA, Sijia;LIU, Yuan;SHI, Yong;TANG, Zhongbing;YU, Minbing~ 33:CN ~31:202511557646.4 ~32:29/10/2025

2026/09803 ~ Complete ~54:ZNS@PESIO2 ALTERNATING-CURRENT ELECTROLUMINESCENT FIBER AND PREPARATION METHOD THEREOF ~71:Tarim University, No. 1487, East Tarim Avenue, Alar City, Xinjiang Uygur Autonomous Region, 843300, People's Republic of China ~72: Hu Xili;Liu Jinwang;Liu Zhangchi;You Chaoyu;Zhang Xinyue~ 33:CN ~31:2026105759637 ~32:28/04/2026

2026/09805 ~ Complete ~54:APPLICATOR ~71:NAIDOO, Dhianka, 534 Flemington Street, Kyalami Estates, South Africa ~72: NAIDOO, Dhianka~ 33:ZA ~31:2025/08535 ~32:10/10/2026

2026/09810 ~ Complete ~54:SEGMENTED VESSEL SPEED MEASUREMENT METHOD SUITABLE FOR ARC-SHAPED NAVIGATION TUNNEL ~71:TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING.M.O.T., No.2618, Xingang 2nd Road,Binhai New Area, Tianjin City, 300456, People's Republic of China ~72: FENG Xiaoxiang;HAO Ling;LI Keguo;LV Biao;QI Chunfeng;WEI Dejian;XING Yan;ZHANG Mingjin~ 33:CN ~31:2025103091655 ~32:17/03/2025

2026/09783 ~ Provisional ~54:BAND ALIGN VOLTAGE SWITCH ~71:andre cloete, 145B boesman, South Africa ~72: andre cloete~

2026/09787 ~ Provisional ~54:ORMAZI 6891 ("OUTSIDE THE BOX") – EPHEMERAL PEER-TO-PEER MEDIA DISTRIBUTION NETWORK AND CLIENT-SIDE RUNTIME CRYPTOGRAPHIC INTEGRITY SYSTEM ~71:Malessa Izamro, loui lipsky 39, Jerusalem, Israel ~72: Malessa Izamro~

2026/09792 ~ Provisional ~54:BIZRUN ~71:Siobhan Greathead, 14 Athol Fugard Terrace, South Africa ~72: Siobhan Greathead~ 33:ZA ~31:1 ~32:01/10/2026

2026/09807 ~ Complete ~54:MULTISPECIFIC POLYPEPTIDE CONSTRUCTS HAVING CONSTRAINED CD3 BINDING AND RELATED METHODS AND USES ~71:INHIBRX, INC., 11025 N. Torrey Pines Road, Suite 200, La Jolla, California, 92037, United States of America ~72: ECKELMAN, Brendan P;KAPLAN, Michael D;TIMMER, John C;WILLIS, Katelyn M~ 33:US ~31:62/656,331 ~32:11/04/2018

2026/09822 ~ Complete ~54:INSECTICIDAL PROTEINS AND METHODS FOR THEIR USE ~71:PIONEER HI-BRED INTERNATIONAL, INC., 7100 N W 62nd Avenue, P.O. Box 1014, Johnston, Iowa, 50131-1014, United States of America ~72: BARRY, Jennifer Kara;GILLIAM, Jacob T;HU, Xu;MONGAR, Nicholas;ORAL, Jarred Kenneth;SARASWATHI, Abhiman;TU, Daqi;WEI, Jun-Zhi;WOLFE, Thomas Chad;XIE, Weiping;YALPANI, Nasser~ 33:US ~31:63/645,211 ~32:10/05/2024

2026/09781 ~ Provisional ~54:SYSTEM AND METHOD FOR SETTLING MARKETPLACE COMMISSION FEES WITHOUT INTERMEDIATION OF PRINCIPAL PAYMENT FUNDS, USING A CROSS-RAIL FEE-STATE REGISTER AND A RECEIVABLES LEDGER ~71:Shankdt (Pty) Ltd, 9 Lanyon Street, Baillie Park, South Africa ~72: Daniel Hendre Vorster;Marko Werkman~

2026/09788 ~ Provisional ~54:BINDING THE TEMPORAL ACCRETION OF A WRITING-PROCESS EVENT LOG TO A SERVER-ROOTED CHAIN OF SIGNED ARRIVAL RECEIPTS — MINTED BY THE INGEST AUTHORITY AFTER EVERY DURABLE APPEND, CHAINED TO THE STORED PRIOR AND NEVER TO THE CLIENT'S CLAIM, RECONCILED AGAINST CLAIMED TIME AS DISCLOSURE RATHER THAN REJECTION, RECOVERED IDEMPOTENTLY ACROSS LOST ACKNOWLEDGEMENTS, CARRIED ACROSS PROCESS DEATH BY A DURABLE CLIENT CURSOR, AND FOLDED PER EVENT INTO THE SIGNED SEAL AS LIVE, BACKFILLED, OR UNRECEIPTED ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/09795 ~ Provisional ~54:ENROLMENT OF AN INDIVIDUAL NON-HUMAN ANIMAL IN AN IDENTITY REGISTER DURING A HANDLING EVENT ~71:GELDENHUYS, Albertus Barend, Via Camana 3, Switzerland ~72: GELDENHUYS, Albertus Barend~

2026/09796 ~ Provisional ~54:CRYPTOGRAPHIC AND HARDWARE PROVENANCE INFRASTRUCTURE FOR WILDLIFE IDENTITY VERIFICATION ~71:GELDENHUYS, Albertus Barend, Via Camana 3, Switzerland ~72: GELDENHUYS, Albertus Barend~

2026/09801 ~ Complete ~54:BELLOWS PUMP FOR LIQUID METALS ~71:WESTINGHOUSE ELECTRIC COMPANY LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: LAPRESTI, Michael A.;LOJEK III, John;NESTOR, Christopher M.~ 33:US ~31:18/184,023 ~32:15/03/2023

2026/09804 ~ Complete ~54:NURSING MANAGEMENT AND CONTROL SYSTEM AND METHOD FOR INTERVENTIONAL INDWELLING CATHETERS ~71:Xuzhou Central Hospital (Xuzhou Fourth People's Hospital), No. 199 Jiefang Road, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Changming Ren;Chuanju Wei;Qingwei Li;Tianlong Zhou;Ziyi Zhu~

2026/09799 ~ Complete ~54:MYCOPLASMA BOVIS SURFACE MEMBRANE PROTEIN SBP-2, PREPARATION METHOD THEREFOR, AND USES THEREOF ~71:Institute of Animal Science, Ningxia Academy of Agriculture and Forestry Sciences (Ningxia Grassland-Livestock Engineering Technology Research Center), No. 590, Huanghe East Road, Jinfeng District, Yinchuan, Ningxia, People's Republic of China ~72: CAO, Xiaozhen;CHEN, Jianyin;GUO, Yanan;HE, Shenghu;LEI, Yuanyuan;MA, Ke;WANG, Bei;WANG, Jiandong;ZHAI, Yufei;ZHANG, Jing~

2026/09811 ~ Complete ~54:APPARATUS AND METHOD FOR POWER DETECTION AND FOR GENERATING POWER PATTERNS ~71:FETTE, Michael, Am Lohsepark 16, 20457, Hamburg, Germany ~72: FETTE, Michael~ 33:DE ~31:10 2024 110 850.9 ~32:18/04/2024

2026/09815 ~ Complete ~54:POLYETHYLENE GLYCOL AS AN ADDITIVE IN COMPOSITIONS FOR PRESERVATION AND/OR FIXATION CONTAINING A PYRROLIDINE DERIVATIVE ~71:LICIT SOLUTIONS GMBH, Österbergstr. 3, Germany ~72: Andreas Peter WAGNER-DEFANT;Bernhard HIRT;Corinna GLEISER;Gerhard FEIL;Lothar JUST;Nikolas PIETRZIK;Peter NECKEL~ 33:EP ~31:24168550.2 ~32:04/04/2024

2026/09820 ~ Complete ~54:ELECTRICAL GENERATION DEVICE ~71:JC EN S BUYS GESINS TRUST, 54 Morrison Avenue, Rietondale, South Africa ~72: BUYS, Johannes Christiaan~ 33:ZA ~31:2024/03233 ~32:26/04/2024

2026/09825 ~ Complete ~54:AUTOMATED CHANGING OF DRILL BITS VIA MAST ANGLE ~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, Denison, United States of America ~72: HALTERMAN, John F.;NATARAJAN, Yagneshwar~ 33:US ~31:18/637,193 ~32:16/04/2024

2026/09802 ~ Complete ~54:MONITORING DEVICE FOR ROAD AND BRIDGE CONCRETE STRUCTURES ~71:HENAN ZHENGDA ENGINEERING INSPECTION & CONSULTING CO., LTD., No. 100 Cuizhu Street, Zhengzhou University Science and Technology Park, People's Republic of China ~72: DAI, Huimin;GE, Cunzhuang;JIN, Shixin;LIU, Xia;MENG, Xinxing;QI, Huihua;QI, Qinghua;SHI, Yongjie;SU, Wenfang;TIAN, Xiaoxia;TIAN, Xiaozhen;TIAN, Yanxia;YANG, Fengheng;YANG, Jianhua;YIN, Gengwu;YU, Leilei~

2026/09808 ~ Complete ~54:TEMPLATE-BASED INTRA MODE DERIVATION WITH WIDE ANGLE INTRA PREDICTION ~71:INTERDIGITAL CE PATENT HOLDINGS, SAS, 3 rue du Colonel Moll, 75017, Paris, France ~72: DUMAS, Thierry;GALPIN, Franck;NASER, Karam;REUZE, Kevin~ 33:EP ~31:22305511.2 ~32:08/04/2022

2026/09823 ~ Complete ~54:AEROSOL SURFACTANT THERAPY (AST) FOR RESPIRATORY DISTRESS SYNDROME (RDS) ~71:VIRGINIA COMMONWEALTH UNIVERSITY, 800 East Leigh Street, Suite 3000, Richmond, Virginia, 23298, United States of America ~72: DALTON, Caleb;DIBLASI, Robert;FARKAS, Dale;HALL, Felicia;HINDLE, Michael;LONGEST, Worth;MOMIN, Mohammad~ 33:US ~31:63/639,794 ~32:29/04/2024

. - APPLIED ON 2026/10/13 -

2026/09842 ~ Complete ~54:AN AI-POWERED SYSTEM FOR CORPORATE IT WORKPLACE SIMULATION AND PROBLEM-SOLVING TRAINING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MANKAWADE, Amruta Amit;RAJPUT, Vaishali Sham;SHINDE, Vedank Dinesh~

2026/09867 ~ Complete ~54:A POLYHERBAL FORMULATION FOR ENHANCING MALE ANIMAL FERTILITY, AND METHOD FOR PREPARING SAID POLYHERBAL FORMULATION ~71:Dr. Dibyajyoti Talukdar, Dept. of Animal Reproduction, Gynaecology& Obstetrics, College of Veterinary Sciences & A.H., Central Agricultural University, Selesih, Aizawl, Mizoram, 796015, India;Dr. J. B. Rajesh, Dept. of Veterinary Medicine, College of Veterinary Sciences & A.H., Central Agricultural University, Selesih, Aizawl, Mizoram, 796015, India;Dr. Khawlhring Lalrintluanga, Dept. of Animal Reproduction, Gynaecology& Obstetrics, College of Veterinary Sciences & A.H., Central Agricultural University, Selesih, Aizawl, Mizoram, 796015, India;Dr. Pankhi Priya Bora, Dept. of Animal Reproduction, Gynaecology& Obstetrics, College of Veterinary Sciences & A.H., Central Agricultural University, Selesih, Aizawl, Mizoram, 796015, India;Dr. Papori Talukdar, Dept. of Animal Nutrition, College of Veterinary Science, Assam Veterinary and Fishery University, Khanapara, Guwahati, Assam, 781022, India ~72: Dr. Dibyajyoti Talukdar;Dr. Pankhi Priya Bora;Dr. Papori Talukdar~

2026/09882 ~ Complete ~54:WORKFLOWS FOR DISCOVERY AND DEPLOYMENT OF DIAGNOSTIC ASSAYS COMBINING PROTEOMIC AND GENOMIC INFORMATION ~71:DELFI DIAGNOSTICS, INC., 2809 Boston Street, Suite 503, Baltimore, Maryland, 21224, United States of America ~72: CAREY, Jacob;CATALLINI, Joseph;DRACOPOLI, Nicholas;LUMBARD, Keith;MCDANIEL, Timothy;MEDINA, Jamie;TODD, Kathryn;TRIPP, Bridget~ 33:US ~31:63/637,831 ~32:23/04/2024

2026/09934 ~ Provisional ~54:AN ADJUSTABLE MIRROR THERAPY DEVICE FOR UPPER-LIMB REHABILITATION ~71:Rose Olive Occupational Therapy, Century City, South Africa ~72: Rosé Olive Endley~

2026/09830 ~ Provisional ~54:APEX GG ACEFIELD AGRI ~71:Apex Global Group (Pty) Ltd, 24 Dover Street, South Africa ~72: Johan Preto~

2026/09837 ~ Complete ~54:SECURITY DEVICE ~71:Goffredo MUGNAIONI, 118 Casper Road, Fairlands, South Africa;Nicolaas STEYN, 58 Briggs Street, South Africa ~72: Goffredo MUGNAIONI;Nicolaas STEYN~ 33:ZA ~31:ZA 2025/08541 ~32:10/10/2025

2026/09839 ~ Complete ~54:A BRAIN-INSPIRED ADAPTIVE IMAGE CLASSIFICATION SYSTEM WITH INCREMENTAL LEARNING AND EXPLAINABLE PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHAGWAT, Smita;KALE, Rashmi;MAHADIK, Dhruti Vinay;MAHALLE, Parikshit Narendra;NAVALE, Geeta Sajjan;PATIL, Amruta V.;PINGLE, Anuja Chagan;SHINDE, Sandip R.;SHINDE, Shalakha Sandip;SINGH, Pragathi~

2026/09853 ~ Complete ~54:A MACHINE LEARNING-BASED DECISION SUPPORT SYSTEM FOR PERSONALIZED VEHICLE SELECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHILLALE, Krish;JAMADAR, Farhan;KHAN, Ayaan;KULKARNI, Samarth Prasheel;KUNEKAR, Pankaj;VERMA, Kshitij~

2026/09857 ~ Complete ~54:A MACHINE LEARNING-BASED FASHION PRODUCT RECOMMENDATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad B.;DEDGAONKAR, Suruchi;KANDEKAR, Snehal Pappu;KULKARNI, Sumedha Sudhakar~

2026/09865 ~ Complete ~54:AN INTEGRATED EMERGENCY ALERT AND CONTROL SYSTEM FOR VEHICLES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DABHADE, Punam Manohar;DESHPANDE, Animesh Arun;GAIKWAD, Megha Ashok;GAWALI, Anjali Sudhir;KANJALKAR, Jyoti Pramod;KANJALKAR, Pramod Madhavrao;MOLAK, Prajwal Ramesh;PAWAR, Tejas Laxman;SONWANE, Rohan~

2026/09829 ~ Provisional ~54:TRANSTECH ~71:TransTech (Pty) Ltd., 49A Kruger Street, South Africa ~72: Phikolomzi Sabelo Namba~

2026/09831 ~ Provisional ~54:THE FLAKE ~71:tiisetso Hlongwane, 1313 danhouse, South Africa ~72: Tiisetso Hlongwane~

2026/09835 ~ Complete ~54:SITE SELECTION FOR RESOURCE PROVISIONING ~71:TANEJA, Yuvraj, 11260 Bubb Road, United States of America;WANG, Siqin, c/o TANEJA, Yuvraj, 11260 Bubb Road, United States of America ~72: TANEJA, Yuvraj;WANG, Siqin~ 33:US ~31:63/898,376 ~32:13/10/2025

2026/09836 ~ Complete ~54:COMPOSITIONS AND METHODS FOR DELIVERING CFTR POLYPEPTIDES ~71:KRYSTAL BIOTECH, INC., 2100 Wharton Street, Suite 701, PITTSBURGH 15203, PA, USA, United States of America ~72: AGARWAL, Pooja;KRISHNAN, Suma;PARRY, Trevor~ 33:US ~31:62/802,871 ~32:08/02/2019

2026/09840 ~ Complete ~54:AN AI-DRIVEN SMART AGRICULTURE SYSTEM FOR CROP, FERTILIZER, COMPOST RECOMMENDATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MAHAJAN, Chandrashekhar M;NAGRE, Jaydeep Prashant;NAIR, Sivadas Manikandan;NAJAN, Sujal Sanjay;SHARMA, Nakul Ravindra~

2026/09852 ~ Complete ~54:AN AI-BASED INTEGRATED SYSTEM FOR STOCK TREND PREDICTION AND RISK ANALYSIS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MAHAJAN, Parth Nandkishor;MALGAVE, Pankaj Ashok;MALU, Chirag Shamsundar;MANKAWADE, Amruta;OSWAL, Neil Hasmukh;RAJPUT, Vaishali Sham~

2026/09854 ~ Complete ~54:A SYSTEM AND METHOD FOR MULTILINGUAL CALL COMPLIANCE MONITORING, ANALYTICS AND SEMANTIC RETRIEVAL OF CONTACT-CENTRE AUDIO RECORDINGS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DHOKA, Piyush;GUNDLAPELLI, Sujal;INAMDAR, Varun;NOOJI, Pavitha;PANDHARE, Vedant;PATIL, Kailas~

2026/09860 ~ Complete ~54:A DATA-DRIVEN SYSTEM FOR ANALYZING DRIVER BEHAVIOR USING VEHICLE TELEMETRY DATA ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BADGUJAR, Krish Govinda;GHADAGE, Samarth Chandrakant;MHASALKAR, Om Ajay;RAUT, Sahil Kisan;WAWAGE, Pawan~

2026/09862 ~ Complete ~54:A LORAWAN-BASED OPEN-SOURCE IOT SYSTEM FOR REAL-TIME MONITORING AND ANALYSIS OF RURAL ELECTRIFICATION USING RASPBERRY PI ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DEDGAONKAR, Suruchi;JONWAL, Naina;KALANI, Mannat;KAWALKAR, Sanika;MATE, Anuja;SHARMA, Lakshit~

2026/09874 ~ Complete ~54:YIELD PROP ~71:JENNER INNOVATION PTY LTD, 4 Allen Road, Karuah, Australia ~72: JENNER, Dennis;JENNER, Vaughan~ 33:AU ~31:2024901097 ~32:18/04/2024

2026/09851 ~ Complete ~54:A SYSTEM FOR BIOMETRIC-AUTHENTICATED SELF-SERVICE BANKING KIOSK OPERATIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAVAN, Gaurang Premsing;JADHAV, Shubham Siddheshwar;KOLTE, Soham Nilesh;TIWAREKAR, Vighnesh Santosh;WAWAGE, Pawan~

2026/09858 ~ Complete ~54:A MULTI-CLASSIFIER SYSTEM FOR INTERCEPTION OF FRAUDULENT SOCIAL MEDIA ACCOUNTS USING HYBRID ALGORITHMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHANGOLE, Anamik Suresh;CHAUDHARI, Prasad B.;KHALATE, Monika Navnath;SAYYAD, Shahadab Karim;SHIRBAVIKAR, Ketki;UGALMUGLE, Ruchita Chintaman~

2026/09873 ~ Complete ~54:WATER-BASED EMULSION CONTAINING ISOXAFENACIL AND PREPARATION METHOD THEREFOR ~71:JIANGSHAN (YICHANG) CROP TECHNOLOGY CO., LTD., North of Gangxing Road and East of Tanshuxi Avenue, People's Republic of China;NANTONG JIANGSHAN AGROCHEMICAL & CHEMICALS CO., LTD., No. 998, Jiangshan Road, Economic and Technological Development Zone, People's Republic of China ~72: LI, Jing;REN, Xinfeng;WANG, Li;WANG, Yan;WU, Jianyang;XU, Yingrong;YANG, Yu;ZHU, Yanmei~ 33:CN ~31:202411398494.3 ~32:09/10/2024

2026/09881 ~ Complete ~54:LOOKAHEAD NAVIGATION LANE-BASED NOA LANE CHANGE DECISION METHOD AND RELATED DEVICE ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: FANG, Ming;LIU, Qing;SUN, Yang;YU, Haozhe;ZHANG, Qiliang~ 33:CN ~31:202510256380.3 ~32:05/03/2025

2026/09834 ~ Complete ~54:DIFFERENTIAL CAPACITANCE INTERFACES ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central,, Cyprus ~72: RADEMEYER, Daniël Barend;SAMUEL, Robert Kevin;VISAGIE, Georg Frederik;WOLMARANS, Wikus~ 33:ZA ~31:2025/08912 ~32:23/10/2025

2026/09844 ~ Complete ~54:A MACHINE LEARNING BASED SYSTEM FOR FRAUD VEHICLE IDENTIFICATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY,

SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad;DASHPUTE, Srushti Jagdish;OSWAL, Vidhi R.;PATEL, Arshad Rubab;SHELKE, Priya~

2026/09841 ~ Complete ~54:A MULTI-SENSOR PHYSIOLOGICAL ANOMALY DETECTION SYSTEM WITH SIGNAL QUALITY GATING AND RISK-BASED TIERED MODEL ACTIVATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHANDURE, Omesh Mohitkumar;KHUBCHANDANI, Jyoti;KHUBCHANDANI, Payal;SURYAWANSHI. Amol Shivajirao~

2026/09838 ~ Complete ~54:A RETRIEVAL-AUGMENTED GENERATION BASED SYSTEM FOR ANALYSIS OF RESEARCH PAPERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHOUBISA, Hemang Sanjay;DHANWATE, Divya Dattatray;GHODAKE, Atharv Mangesh;JADHAV, Mangesh Mahadev;KOLEKAR, Sachin Madhukar;SANAP, Madhura Eknath;SHAMKUWAR, Sonal;WANKHADE, Shalini~

2026/09848 ~ Complete ~54:AN INTEGRATED DIGITAL SYSTEM FOR FARMER SUPPORT AND AGRICULTURAL SERVICES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DANE, Bhausaheb;PATIL, Kalyani Vijay;PATIL, Manish Sanjay;PATIL, Mayur Virendra;PATIL, Swarup Uttam;PAWAR, Shriniwas Ramesh~

2026/09856 ~ Complete ~54:A GRAPH NEURAL NETWORK BASED EXAMINATION PROCTORING SYSTEM WITH EXAMINATION-CONTEXT-AWARE FACIAL LANDMARK CLASSIFICATION AND DOMAIN-ADAPTIVE TRAINING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad;DEDGAONKAR, Suruchi;JOSHI, Atharva;KHAKRE, Varad;PATIL, Kundan~

2026/09863 ~ Complete ~54:AN NLP-BASED SYSTEM FOR STUDENT-TEACHER FEEDBACK MANAGEMENT AND SENTIMENT ANALYSIS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, Namibia;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DEVKAR, Rutuja Sanjay;GADRE, Rutik Santosh;GAIKWAD, Poonam Anil;GHODAKE, Atharv Mangesh;KOLEKAR, Sachin Madhukar;SANAP, Madhura Eknath;SHAMKUWAR, Sonal;WANKHADE, Shalini~

2026/09866 ~ Complete ~54:A DEEP LEARNING-BASED IMAGE CAPTION GENERATOR SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad B.;KOUL, Palash;NARE, Viraj;NIJAMPURKAR, Kshitij;PHADNIS, Parth;SHELKE, Priya~

2026/09869 ~ Complete ~54:HYBRID ELECTRIC ENERGY RECOVERY SYSTEM ~71:GREENCO SOLUTIONS DYNAMIC (PTY) LTD, 5 Mount Ziel Place, Lenasia South Extension 4, Johannesburg, Gauteng, 1829, South Africa ~72: GOPAUL, Pragasan~ 33:ZA ~31:2025/05987 ~32:14/07/2025

2026/09878 ~ Complete ~54:IMPROVED TEMPERATURE CONTROL SYSTEM FOR AN INCUBATOR ~71:HATCHTECH GROUP B.V., Innovatielaan 3, DE KLOMP 6745 XW , THE NETHERLANDS, Netherlands ~72: METER, Tjitze~ 33:NL ~31:2037303 ~32:20/03/2024

2026/09883 ~ Provisional ~54:PROCESS FOR PRODUCING JET FUEL FROM LIGNOCELLULOSIC BIOMASS ~71:Mapitso Ntombenhle Molefe, 345 Giovanetti Street Waterkloof Residence 87F, South Africa ~72: Mapitso Ntombenhle Molefe~

2026/09845 ~ Complete ~54:AN ADAPTIVE PRIVACY FEDERATED LEARNING (APFL) SYSTEM WITH REINFORCEMENT LEARNING-BASED PRIVACY OPTIMIZATION AND AUTOMATIC SENSITIVITY DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad;JOGALE, Jatin;KAWARE, Abhishek;KULKARNI, Shaunak;SHINDE, Kuldeep;SHIRBAVIKAR, Ketki~

2026/09871 ~ Complete ~54:RESOURCE REQUEST METHOD, APPARATUS AND SYSTEM ~71:HUAWEI TECHNOLOGIES CO., LTD., Huawei Administration Building, Bantian, Longgang District, People's Republic of China ~72: GAN, Ming;HUANG, Guogang;MONTEMURRO, Michael~ 33:CN ~31:202410486936.3 ~32:22/04/2024

2026/09875 ~ Complete ~54:CHEMISTRY PROCESS FOR THE PRODUCTION OF CANNABINOID COMPOUNDS ~71:COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, Meiring Naude Road Brummeria, South Africa ~72: STEENKAMP, Lucia Hendrina;VAN DER WESTHUYZEN, Christiaan Wynand~ 33:ZA ~31:2024/02635 ~32:05/04/2024

2026/09877 ~ Complete ~54:UNIVERSAL SHAPED BLANKING TOOL ~71:TARGET TECHNOLOGIE S.R.O., Masarykovo nábrezí 2058/38, Czech Republic ~72: BOHM, Jiri;JANU, Jan;LANDA, Lukas;PETR, Jan;SROT, Jakub~ 33:CZ ~31:PV 2024-296 ~32:01/08/2024

2026/09868 ~ Complete ~54:FLOOR DRYING APPARATUS ~71:FURO SYSTEMS (PTY) LTD, Unit C, Clareview Business Park, 236 Imam Haron Rd, Claremont, 7700, South Africa ~72: KENSEN, Tashriq Moeqamat~ 33:ZA ~31:2025/08585 ~32:13/10/2025;33:ZA ~31:2026/08467 ~32:25/08/2026

2026/09872 ~ Complete ~54:ANTIBODY-OLIGONUCLEOTIDE CONJUGATE COMPOSITIONS AND METHODS OF INDUCING DMD EXON 50 SKIPPING ~71:AVIDITY BIOSCIENCES, INC., 3020 Callan Road, San Diego, United States of America ~72: ALBIN, Tyler;COCHRAN, Michael Caramian;DOPPALAPUDI, Venkata Ramana;ETXANIZ IRIGOIEN, Usue;KARAMANLIDIS, Georgios;MARKS, Isaac;SVENSSON, Sven Ove Kristoffer~ 33:US ~31:63/574,108 ~32:03/04/2024

2026/09879 ~ Complete ~54:MULTIVALENT LINKERS FOR HIGH LOADING ANTIBODY-DRUG CONJUGATES, AND COMPOSITIONS AND METHODS THEREOF ~71:CANWELL BIOTECH LIMITED, 421, Building G2, 31 Kefeng Road, Huangpu District, GUANGZHOU 510663, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LOU, Rongliang;LUO, Ya;YU, Ninghui~ 33:IB ~31:2024/083437 ~32:25/03/2024

2026/09870 ~ Complete ~54:KLRB1 BINDING AGENTS AND METHODS OF USE THEREOF ~71:THE BRIGHAM AND WOMAN'S HOSPITAL, INC., 75 Francis Street, United States of America ~72: GREENBERG, Steven A.~ 33:US ~31:63/636,487 ~32:19/04/2024;33:US ~31:63/659,616 ~32:13/06/2024

2026/09833 ~ Provisional ~54:A SYSTEM AND METHOD OF DETERMINING A PRODUCTIVITY METRIC FOR A STATION IN A MANUFACTURING PROCESS ~71:VISIONAI (PTY) LTD., 1st Floor, Devon House, Hampton Office Park, 20 Georgian Crescent, Bryanston, Gauteng, 2196, South Africa ~72: AHIER, Trevor Bruce Cabot;HECKRATH, Craig Owen;REID, Peter Bruce~

2026/09843 ~ Complete ~54:AN AI-ENABLED SYSTEM FOR FOOD RECOGNITION AND PRIVACY-PRESERVING CALORIE ESTIMATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad;LONDHEPATIL, Shreeram Bhanudas;MANE, Suyash Bhanudas;MUKNE, Harshvardhan Sham;MUSALE, Omkar Hanumant;SHIRBAVIKAR, Ketki~

2026/09849 ~ Complete ~54:AN IOT BASED SYSTEM FOR ADAPTIVE CONTROL OF APPLIANCES BASED ON WEATHER CONDITIONS AND OCCUPANCY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DEOKAR, Aarya Umesh;DESHPANDE, Swara Abhijit;DEVAL, Omkar Makarand;RATHOD, Dhawal Suresh;SHAHIR, Mayuri;WANKHEDE, Disha~

2026/09859 ~ Complete ~54:SIMULATION DEVICE FOR TRAINING IN NURSING CARE OF CRITICALLY ILL PATIENTS ~71:Nantong University, No.9.Seyuan Road, Chongchuan District, Nantong City, Jiangsu Province, 226019, People's Republic of China ~72: CAO Shuqi;GUO Yujie;HUANG Jingqian;NI Jianhua;ZHANG Shiming~

2026/09832 ~ Provisional ~54:FLASHING EMERGENCY REFLECTOR LIGHT ~71:Patrick Tigere, 83 Grobler Street, South Africa;Patrick Tigere, 83 Grobler Street, South Africa ~72: Patrick Tigere~ 33:ZA ~31:N/A ~32:09/10/2026

2026/09846 ~ Complete ~54:A MACHINE LEARNING BASED STUDENT CAREER COUNSELLING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad;DHAGE, Mayank Prashant;MAHAJAN, Arnav Kishor;MAHALAXME, Anish Mangesh;MORE, Pranav Sahebrao;SHIRBAVIKAR, Ketki~

2026/09850 ~ Complete ~54:AN ADAPTIVE NETWORK EMULATION SYSTEM WITH REAL-TIME TRAFFIC ANALYSIS AND PROTOCOL OPTIMIZATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BARHATE, Minal;GAWADE, Onkar Appaso;GHADGE, Satyajeet Sandeep;GHANURE, Omkar Karbasappa;GIRI, Aaryan Rajesh;HADE, Vaibhav Gajanan~

2026/09864 ~ Complete ~54:A FUZZY LOGIC BASED SMART AIR MONITORING SYSTEM FOR PRECISION ENVIRONMENTAL CONTROL IN FARMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE,

MAHARASHTRA, 411048, India ~72: KHUBCHANDANI, Jyoti;KHUBCHANDANI, Payal;PAGADEKAL, Poojith;PISAL, Sarthak Tatya;ROKADE, Piyush Nitin;SOHANDA, Piyush Dinesh~

2026/09880 ~ Complete ~54:BIFUNCTIONAL DEGRADERS ~71:BIOHAVEN THERAPEUTICS LTD., P.O. Box 173, Kingston Chambers, ROAD TOWN VG1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British) ~72: CAR, Bruce D.;DEL CARMEN, Silvina;ESTRELLA, Ana M.;INGALE, Sampat;LINHARES, Brian M.;RASILE, Brett;SPLIID, Charlotte Bredo;VIDAL, Christian M.~ 33:US ~31:63/573,012 ~32:02/04/2024;33:US ~31:63/652,620 ~32:28/05/2024

2026/09855 ~ Complete ~54:A COMPUTER-IMPLEMENTED SYSTEM FOR AUTOMATED EVALUATION OF SUBJECTIVE ANSWERS USING HYBRID ARTIFICIAL INTELLIGENCE TECHNIQUES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHARAMBE, Dnyanesh Mahendra;CHAUDHARI Prasad;DHADAVE, Adwait;DHAMALE, Divyanka Devram;PANDEY, Vanshika Nimesh;SHIRBAVIKAR, Ketki~

2026/09876 ~ Complete ~54:BLADESET FOR ELECTRIC HAIR CUTTING DEVICE ~71:WAHL CLIPPER CORPORATION, 2900 North Locust Street Sterling, United States of America ~72: WAGNER, Jason William;ZHANG, Sam Xueyi~ 33:US ~31:63/572,520 ~32:01/04/2024

2026/09861 ~ Complete ~54:AN AI-POWERED VISION BASED ASSISTANT SYSTEM FOR DISABLED PERSONS AND EMERGENCY PATIENT MONITORING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: NALAWADE, Mukund;PATIL, Jyotirjai Pramod;RAUT, Ketan J.;SANGALE, Gaurav Shrimant;SAOKHEDE, Yash Samadhan;SOMATKAR, Avinash~

2026/09847 ~ Complete ~54:AN ADAPTIVE MACHINE LEARNING BASED ENERGY PREDICTION AND CARBON OPTIMIZATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad;DEDGAONKAR, Suruchi;KALANI, Mannat;MAKODE, Anushka Shyam;MALI, Purva Amarnath~

. - APPLIED ON 2026/10/14 -

2026/09886 ~ Provisional ~54:SYSTEMS AND METHODS FOR AGENT COMMUNICATION ~71:NORTH-WEST UNIVERSITY, 11 Hoffman Street, POTCHEFSTROOM 2520, SOUTH AFRICA, South Africa ~72: BLACKIE, Herman~

2026/09891 ~ Provisional ~54:PROCESS FOR PRODUCING A HIGH-DENSITY HYDROCARBON FUEL COMPONENT FROM LIGNIN ~71:Mapitso Ntombenhle Molefe, 345 Giovanetti Street, 87F Waterkloof Residence, South Africa ~72: Mapitso Ntombenhle Molefe~

2026/09900 ~ Complete ~54:THERMAL INSULATION SYSTEM FOR HEATING PIPELINES AND DESIGN METHOD THEREOF ~71:ZHEJIANG UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER, No.583, Xuelin Avenue, Xiasha Higher Education Park, Qiantang District, Hangzhou, Zhejiang Province, 310018, People's Republic of China ~72: CHEN LI;CHUANHUI ZHU;JUNLE WANG;XIAODONG DONG;YIHANG LU;YUNLONG GUAN~ 33:CN ~31:2026114042106 ~32:10/09/2026

2026/09913 ~ Complete ~54:A DEEP LEARNING AND EXPLAINABLE AI BASED INTELLIGENT LUNG DISEASE PREDICTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad;KHANZODE, Nimisha;KHEDLEKAR, Nirgun;KOTHARI, Rohit;SHIRBAVIKAR, Ketki~

2026/09884 ~ Provisional ~54:SYNTHESIS OF FERRATE(VI) COMPOSITIONS FROM ACIDIC MINERAL DRAINAGE EFFLUENTS AND METHODS FOR TREATING CONTAMINATED AQUEOUS STREAMS USING SAME ~71:UNIVERSITY OF SOUTH AFRICA, PRELLERSTREET, MUCKLENEUK, PRETORIA 0002, South Africa ~72: MASINDI, Vhahangwele;MUEDI, Khathutshelo, Lilith~

2026/09905 ~ Complete ~54:AUTONOMOUS AI-DRIVEN ROTOBOT FOR MULTI-SPECIES ANALYSIS AND HABITAT MAPPING ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punajb, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Baby Jha;Dr. Rupali Dhir;Preet Kaur~

2026/09912 ~ Complete ~54:METHOD AND SYSTEM FOR MANAGING HEALTH DATA BASED ON SATELLITE INTERNET COMMUNICATION ~71:Guizhou Youpin Sleep Health Industry Co., Ltd., 4th Floor, No. 17, Smart Industry Park, Development Zone, Bijiang District, Tongren City, Guizhou Province, People's Republic of China ~72: LIN, YONGMING;LIU, ENPING;LIU, SUJUN;WANG, SHENGXIANG~

2026/09917 ~ Complete ~54:AN AUTOMATED CROP HEALTH ASSESSMENT SYSTEM WITH MULTI–ORGAN ANALYSIS AND ADAPTIVE SCORING MECHANISM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad B.;PATIL, Prathamesh Satappa;PUSHKRAJ, Shivadey Yukta;SALUNKE, Shravani Sanjay;SALUNKHE, Soham Santosh;SHELKE, Priya Makarand;SORTE, Prachi Kamlesh~

2026/09919 ~ Complete ~54:METHOD FOR MULTI-TRAIT MOLECULAR DESIGN BREEDING OF COTTON WITH DROUGHT RESISTANCE AND HEAT TOLERANCE, AND USE THEREOF ~71:XINJIANG ACADEMY OF AGRICULTURAL AND RECLAMATION SCIENCES, No. 221, Wuyi Road, Shihezi City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: HAN, Wanli;HAN, Yongchao;KONG, Xianhui;LIU, Li;QIAO, Jinxin;SI, Aijun;WANG, Gang;WANG, Xuwen;YU, Yu;ZHAO, Fuxiang~ 33:CN ~31:202511984252.7 ~32:25/12/2025

2026/09933 ~ Provisional ~54:SPASTICITY GLOVE ~71:LUCENT PROMOTIONS, 1983 BLOCK F, South Africa ~72: STANLEY MAKHAYA~

2026/09896 ~ Complete ~54:AI-BASED HYBRID CROP DESIGN BASED ON FORECASTED FOOD REQUIREMENTS ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Hospitality Management, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Management and IT, Maqsudan, Jalandhar, Punjab, 144008, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India;CT University, School of Hotel Management, Airlines and Tourism, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India;CT University, School of Management Studies, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Dr. Ashish Raina;Dr. Davinder

Kaur;Dr. Divoy Chhabra;Dr. Ishpreet Singh Virk;Dr. Manbir Singh;Dr. Nittan Arora;Dr. Sadhna Chauhan;Dr.Gagandeep Singh~

2026/09921 ~ Complete ~54:ROOM-AIR TEMPERATURE CONTROL DEVICE ~71:ENVOLA GMBH, MAX-BORN-STRASSE 2-4, 89081 ULM, GERMANY, Germany ~72: FRANZOI, Nicola;SCHECHNER, Alexander~ 33:DE ~31:10 2024 107 800.6 ~32:19/03/2024

2026/09927 ~ Complete ~54:(S,E)-N-(1-CYCLOPROPYL-3-(METHYLSULFONYL)ALLYL)-2-(1,1-DIFLUOROETHYL)-4-PHENOXYPYRIMIDINE-5- CARBOXAMIDE FOR TREATING CANCER ~71:VIVIDION THERAPEUTICS, INC., 10075 Barnes Canyon Road, SAN DIEGO 92121, CA, USA, United States of America ~72: BLAKE, Sophia Maria;CUARTAS MAZA, Maria Isabel;ECKMANN, Jan;PETTAZZONI, Piergiorgio Francesco Tommaso;SEOANE SUÁREZ, Juan~ 33:EP ~31:24163724.8 ~32:15/03/2024;33:EP ~31:24172372.5 ~32:25/04/2024

2026/09932 ~ Complete ~54:TARGETED PREVENTION OF ONLINE FRAUD ~71:BITDEFENDER IPR MANAGEMENT LIMITED, Acropolis Ave. 59-61, 3rd Floor, Office 302, Nicosia, 2012, Cyprus ~72: BOCEREG, Alexandra S;MARINESCU, Alexandru P;TIVADAR, Marius M;VIJDEA, Cristian I~ 33:US ~31:18/786,453 ~32:27/07/2024

2026/09906 ~ Complete ~54:BLOOD DEPARTMENT SAMPLING DEVICE ~71:The Second Hospital of Dalian Medical University, No. 467 Zhongshan Road, Shahekou District, Dalian City, Liaoning Province, People's Republic of China ~72: Beibei Gao;Hongchen Liu;Tianqi Zhang~

2026/09907 ~ Complete ~54:TYK2 INHIBITORS AND USES THEREOF ~71:SUDO BIOSCIENCES LIMITED, 3rd Floor 1 Ashley Road, United Kingdom ~72: DIETSCH, Gregory;DURAISWAMY, Athisayamani Jeyaraj;KALVA, Sukesh;MANOJVEER, Seetharaman;PANDEY, Anjali;THAKKAR, Mahesh~ 33:US ~31:63/151,287 ~32:19/02/2021;33:US ~31:63/193,511 ~32:26/05/2021;33:US ~31:63/234,934 ~32:19/08/2021;33:US ~31:63/291,224 ~32:17/12/2021

2026/09926 ~ Complete ~54:QUINAZOLINE COMPOUND AND MEDICINE ~71:NIPPON SHINYAKU CO., LTD., 14, Kisshoin Nishinosho Monguchicho, Minami-ku, KYOTO-SHI 6018550, KYOTO, JAPAN, Japan ~72: HASHIMOTO, Kosuke;IWASAKI, Shiho;KOSUGI, Keiji;OTSU, Hironori;TAKITA, Hirofumi~ 33:JP ~31:2024-056240 ~32:29/03/2024

2026/09928 ~ Complete ~54:PREPARATION OF FOSSIL-FREE COKE FROM LIGNIN ~71:ANDRITZ OY, Tammasaarenkatu 1, HELSINKI 00180, FINLAND, Finland ~72: LEHTINEN, Jere;MOILANEN, Antero~ 33:FI ~31:20245345 ~32:27/03/2024

2026/09885 ~ Provisional ~54:SECUREADVANCE-SYSTEM AND METHOD FOR RECOVERY OF TELECOMMUNICATIONS AIRTIME ADVANCE DEBT ~71:KOKETSO MOGALE, 1250 Block NN Soshanguve, South Africa;KOKETSO MOGALE, 1250 Block NN, South Africa ~72: KOKETSO;Koketso Mogale~

2026/09889 ~ Provisional ~54:STANDALONE CELLULAR PERSONAL SAFETY WEARABLE DEVICE ~71:Rowan Reginald Arends, 92 5th Avenue Belmont Park Kraaifontein, South Africa ~72: Rowan Reginald Arends~

2026/09892 ~ Provisional ~54:PROCESS AND APPARATUS FOR HARVESTING, WASHING AND DEWATERING MICROALGAE ~71:Mapitso Ntombenhle Molefe, 345 Giovanetti Street, 87F Waterkloof Residence, South Africa ~72: Mapitso Ntombenhle Molefe~

2026/09923 ~ Complete ~54:CHANNEL STATE INFORMATION FEEDBACK FOR RECIPROCITY BASED COHERENT JOINT TRANSMISSION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: GAO, Shiwei;MURUGANATHAN, Siva;ZHANG, Xinlin~ 33:US ~31:63/567,665 ~32:20/03/2024

2026/09887 ~ Provisional ~54:ADAPTIVE OVERLOAD LIMITER FOR MINING APPLICATIONS AND HARSH ENVIRONMENTS ~71:GREEFF, JACQUES, 4 Robivia Ave, Geelhoutpark, RUSTENBURG 0300, North West, SOUTH AFRICA, South Africa ~72: GREEFF, JACQUES~

2026/09890 ~ Provisional ~54:SYSTEM AND METHOD FOR NETWORK-LEVEL CALL SCREENING, GUARDIAN-MANAGED WHITELISTING, AND DYNAMIC EMERGENCY CALL BRIDGING ~71:Ndoti Prince Koza, 12 Julius Werhner road, Bruma, Sunhill Villas Unit 9, South Africa ~72: Ndoti Prince Koza~

2026/09897 ~ Complete ~54:AI-BASED HYBRID FRUIT PREDICTION USING ELEMENTAL AND GENOMIC ANALYSIS ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Dr. Ankita Gupta;Dr. Nitin Tandon;Dr. Satvir Singh;Dr.Inderpal Singh~

2026/09898 ~ Complete ~54:AI-ENABLED SMART GLASSES FOR REAL-TIME FOOD QUALITY DETECTION ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Hospitality Management, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India;CT University, School of Hotel Management, Airlines and Tourism, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Davinder Singh;Dr. Ashish Raina;Dr. Divoy Chhabra;Dr. Nitin Tandon;Dr. Satvir Singh;Dr. Vaneet Kumar;Poonam Bhalla~

2026/09910 ~ Complete ~54:METHOD FOR REGULATING ENERGY IN LUNAR BASE ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD., 4th Floor, No. 17, Smart Industry Park, Development Zone, Bijiang District, Tongren City, Guizhou Province, People's Republic of China ~72: LIU, Enping;LIU, Sujun;Tangfei;Wangshengxiang~

2026/09916 ~ Complete ~54:A SHORT-TERM WEATHER NOWCASTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAVAN, Rohini Abhijeet;SOVANI, Mihir Yogesh;TALELE, Harshvardhan Deepak;TAMBOLKAR, Shrirang Jayant;WARADE, Soham~

2026/09920 ~ Complete ~54:ANTI-CLDN1 ANTIBODY-DRUG CONJUGATES COMPRISING MMAE AND METHODS OF USE THEREOF ~71:ALENTIS THERAPEUTICS AG, Hegenheimermattweg 167A, Switzerland ~72: ELSON, Greg;HERBERT, Corentin;IACONE, Roberto;MARCHIONE, Roberta;TOSO, Alberto~ 33:US ~31:63/639,322 ~32:26/04/2024

2026/09895 ~ Complete ~54:AI-POWERED SMART GLASSES FOR AIR QUALITY PREDICTION AND PERSONALIZED HEALTH ADVISORY ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Dr. Nitin Tandon;Dr. Satvir Singh;Preet Kaur;Siksha Saxena~

2026/09911 ~ Complete ~54:A SYSTEM FOR REAL-TIME PROFESSIONAL PROFILE ANALYSIS USING BROWSER-INTEGRATED DATA EXTRACTION AND MACHINE LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Prasad Bhata;NALEGAONKAR, Prathmesh Gajanan;PANDARKAR, Shivprasad Bhaskar;SHIRBAVIKAR, Ketki;SURVE, Omkar Baliram~

2026/09914 ~ Complete ~54:A DIGITAL SYSTEM FOR RENTAL-BASED AGRICULTURAL MACHINERY AND LABOR MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DESHPANDE, Rupali;KSHIRSAGAR, Varad Dipak;KUKADE, Harsh Shripad;KULKARNI, Aarya Shripad;SUPE, Krishna Sushant;TIWARI, Krishna Santosh~

2026/09925 ~ Complete ~54:METHODS FOR TREATING CANCER USING ANTI-CCR8 ANTIBODIES ~71:SURFACE ONCOLOGY, LLC, 333 Twin Dolphin Drive, Suite 600, United States of America ~72: ANANTA NARAYANAN, Jeyarama S.;CLEMENT, Jessica;LAVALLEE, Theresa;MOHAN, James;O'NEILL, Alison;ROSS, Robert W.;TANG, Hong~ 33:US ~31:63/637,206 ~32:22/04/2024;33:US ~31:63/691,576 ~32:06/09/2024;33:US ~31:63/710,846 ~32:23/10/2024

2026/09930 ~ Complete ~54:ANTI-CLDN1 ANTIBODY-DRUG CONJUGATES COMPRISING EXATECAN AND METHODS OF USE THEREOF ~71:ALENTIS THERAPEUTICS AG, Hegenheimermattweg 167A, Switzerland ~72: ELSON, Greg;HERBERT, Corentin;IACONE, Roberto;MARCHIONE, Roberta;TOSO, Alberto~ 33:US ~31:63/639,375 ~32:26/04/2024

2026/09888 ~ Provisional ~54:PORTABLE WATER FILTRATION BOTTLE SYSTEM WITH ACCESSIBILITY FEATURES ~71:Yvonne Van Niel, 22 Alacrity Road, South Africa ~72: Yvonne Van Niel~

2026/09894 ~ Complete ~54:AI-BASED IDENTIFICATION OF ANTI-CANCER METABOLITES GENERATED DURING FRUIT DECOMPOSITION ~71:CT College of Pharmacy, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Pharmaceutical Sciences, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India;CT University, School of Pharmaceutical Sciences, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Dr. Dilpreet Singh;Dr. Nitin Tandon;Dr. Sanjana Bhatia;Dr. Satvir Singh;Dr. Saurabh Sharma;Dr. Vaneet Kumar;Er.Ramandeep Kaur~

2026/09899 ~ Complete ~54:AUTONOMOUS AI ROBOT FOR DISCOVERY OF NOVEL SPECIES IN FOREST ECOSYSTEMS ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Dr. Anu Arora;Harinder Pal Singh Bassi;Supreet Kaur~

2026/09903 ~ Complete ~54:AI-BASED GENOME OPTIMIZATION SYSTEM FOR REGION-SPECIFIC VEGETABLE CROP DEVELOPMENT ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Ludhiana, Punjab, 142024, India ~72: Dr. Ankita Gupta;Dr. Nitin Tandon;Karuna~

2026/09904 ~ Complete ~54:AI-BASED FRUIT DEGRADATION ANALYSIS SYSTEM FOR PREDICTIVE DISEASE DIAGNOSTICS ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Pujab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punajab, 144008, India;CT University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Dr. Nitin Tandon;Mamta Devi;Poonam Bhalla~

2026/09908 ~ Complete ~54:WHEEL ~71:METPREP ENGINEERING (PTY) LTD., Unit C1 Wadeville Business Park, Cnr Steenbras & Shad Roads, Wadeville, Gauteng 1428, South Africa ~72: FORD, Richard Malcolm~

2026/09909 ~ Complete ~54:A COMPUTER-IMPLEMENTED SYSTEM FOR AUTOMATED ANALYSIS AND VERIFICATION OF MEDICAL BILLING DOCUMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHARAMBE, Dnyanesh Mahendra;CHAUDHARI, Prasad;DHADAVE, Adwait;DHAMALE, Divyanka Devram;PANDEY, Vanshika Nimesh;SHIRBAVIKAR, Ketki~

2026/09924 ~ Complete ~54:NATURAL RUBBER BASED TIRE TREAD COMPOSITION ~71:EVONIK OPERATIONS GMBH, OPERNPLATZ 1, 45128 ESSEN, GERMANY, Germany ~72: JÜRGENS, Hannes;WEHMEIER, Andre~ 33:EP ~31:24164183.6 ~32:18/03/2024

2026/09931 ~ Complete ~54:A BACKFLUSH FILTER SYSTEM ~71:REVIVE ENVIRONMENTAL HOLDING LTD, Building 10, Stradvoher Industrial Estate, Thurles, Ireland ~72: KROGH LARSEN, Hans~ 33:EP ~31:24183801.0 ~32:21/06/2024

2026/09901 ~ Complete ~54:FREQUENCY REGULATION SWITCHING METHOD, DEVICE, APPARATUS AND SYSTEM FOR HYBRID ENERGY STORAGE ~71:Dunshi Magnetic Energy Technology Co., Ltd., No. 12, Corner Street, North District, High-tech Development Zone, Zhengding County, Shijiazhuang City, Hebei Province, 050899, People's Republic of China ~72: HAO,Lijia;LI,Yuguang;LIANG,Yanzhao~ 33:CN ~31:202511870531.0 ~32:12/12/2025

2026/09918 ~ Complete ~54:SYSTEM FOR CORRECTING UNCORRECTABLE MEMORY ERRORS IN DUAL IN-LINE MEMORY MODULE BASED ON ERASURE CODE ~71:Guizhou Quality Sleep Health Industry Co., Ltd., No. 17, 4th Floor, Smart Industrial Park, Development Zone, Bijing District, Tongren City, Guizhou Province, People's Republic of China ~72: LIN, YONGMING;LIU, ENPING;LIU, SUJUN;TIAN,YAN;YANG, DINGGUANG~

2026/09929 ~ Complete ~54:PIPERIDINE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS ~71:LUMOS PHARMA, INC., 2503 South Loop Drive, Suite 5100, AMES 50010, IA, USA, United States of America ~72: MCKEW, John C.;PARIKH, Alpa B.~ 33:US ~31:63/639,933 ~32:29/04/2024

2026/10063 ~ Provisional ~54:SNIPER ~71:Ugen Chetty, 114 Robin St, South Africa ~72: Ugen Chetty~ 33:ZA ~31:ZNIPER V1 ~32:13/10/2026

2026/09893 ~ Complete ~54:PRONE AND LATERAL DUAL-PURPOSE INFLATABLE MATTRESS FOR ACUTE RESPIRATORY DISTRESS SYNDROME ~71:WEST CHINA SECOND UNIVERSITY HOSPITAL, SICHUAN UNIVERSITY, No. 20, Section 3, Renmin South Road, People's Republic of China ~72: GUO, Qiong~ 33:CN ~31:2026114868826 ~32:23/09/2026

2026/09902 ~ Complete ~54:AI-DRIVEN HYBRID CROP PERFORMANCE PREDICTION USING GENOMIC AND ENVIRONMENTAL DATA ~71:CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar, Punjab, 144020, India;CT Institute of Technology and Research, Maqsudan, Jalandhar, Punjab, 144008, India;CT

University, School of Engineering and Technology, Ferozpur Rd, Sidhwan Khurd, Ludhiana, Punjab, 142024, India ~72: Dr. Anurag Sharma;Dr. Nitin Tandon;Dr. Sandeep Ranjan;Dr. Satvir Singh~

2026/09915 ~ Complete ~54:METHOD AND SYSTEM FOR CREATING DIGITAL EMPLOYEES BASED ON ARTIFICIAL INTELLIGENCE ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD., 4th Floor, No. 17, Smart Industry Park, Development Zone, Bijiang District, Tongren City, Guizhou Province, People's Republic of China ~72: LIU, ENPING;LIU, SUJUN;TANGFEI;WANGSHENGXIANG~

2026/09922 ~ Complete ~54:SELECTING CANDIDATE CELLS AND CONFIGURATIONS FOR RECOVERY FROM RADIO-RELATED FAILURE ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: DA SILVA, Icaro, Leonardo;ORSINO, Antonino~ 33:US ~31:63/567,471 ~32:20/03/2024

. - APPLIED ON 2026/10/15 -

2026/09975 ~ Complete ~54:ADJUSTABLE PLATEN ASSEMBLY ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: ABBAS, Baqar;BURTON-BROWN, Joshua Andrew;CLARKE, Steven Jonathan;FAGAN, Scott James;HERPE, Xavier Jean Rene;PARKER, Anna Elinor;SHEPARD, Bradley Scott;SUTHERLAND MILES, Thomas Gary~ 33:US ~31:63/646,240 ~32:13/05/2024;33:US ~31:63/704,280 ~32:07/10/2024;33:US ~31:63/771,145 ~32:13/03/2025

2026/09977 ~ Complete ~54:MULTIFUNCTIONAL SENSOR FOR MONITORING CONCENTRATIONSOF GAS COMPONENTS IN A TUNNEL AND METHOD OF USE ~71:CHINA MCC17 GROUP CO., LTD., 588 TianBao Road, Huashan Zone, Maanshan, Anhui, People's Republic of China ~72: Changguo WU;Gangyu ZHANG;Jinkun HUANG;Shuxia CHEN;Taiping ZHAO;Wenfeng ZHAO;Yi HU;Yongying GUAN;Yuandi QIAN~ 33:CN ~31:202511175262.6 ~32:21/08/2025

2026/09937 ~ Provisional ~54:HARNESS FOR AN ANIMAL ~71:ARISTOTELOUS, THOUKIDIDES HARRY, 619 BEAGLE ROAD, GARSFONTEIN, South Africa;CHARALAMBIDES, YIANNIS SOTIRIS, 619 BEAGLE ROAD, GARSFONTEIN, South Africa ~72: ARISTOTELOUS, THOUKIDIDES HARRY;CHARALAMBIDES, YIANNIS SOTIRIS~

2026/09941 ~ Provisional ~54:PRE-EXECUTION CONSENT OBJECTS, PROVENANCE-GRADED SEALED EMERGENCY HEALTH DIGEST, AND BIOMETRIC-KEYED SEAL-ONLY DISCLOSURE IN A FEDERATED SEALED-IDENTITY SYSTEM ~71:Leonard Badi, 18 Rhodes Street, Goodwood Estates, South Africa ~72: Leonard Badi~

2026/09944 ~ Complete ~54:A METHOD FOR PREPARING GILOY-BASED HERBAL CANDY FORMULATION ~71:Alagusundaram Muthumanickam, Professor and HOD, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Balachandar Krishnamoorthy, Associate Professor, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Barish Noor, Professor, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Dineshwar Moorthi, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Durga Devi Vellaichamy, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Kavivarman Eduman, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Neelaveni Thangavel, Principal, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Priyadharshini Senthilkumar, Associate Professor, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Ramkumar Essakki, Department of Pharmaceutics,

RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Rasika Tamilazhagan, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Swathika Vadivel, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India;Vijaay Settu, Department of Pharmaceutics, RVS College of Pharmaceutical Sciences, 242 - Trichy Road, Sulur, Coimbatore, Tamil Nadu, 641402, India ~72: Alagusundaram Muthumanickam;Balachandar Krishnamoorthy;Barish Noor;Dineshwar Moorthi;Durga Devi Vellaichamy;Kavivarman Eduman;Neelaveni Thangavel;Priyadharshini Senthilkumar;Ramkumar Essakki;Rasika Tamilazhagan;Swathika Vadivel;Vijaay Settu~ 33:IN ~31:202641045438 ~32:09/04/2026

2026/09953 ~ Complete ~54:A RUNTIME-ADAPTIVE COMPUTE EXECUTION SYSTEM FOR DYNAMICALLY MIGRATING WORKLOADS BETWEEN VIRTUAL MACHINES AND CONTAINERIZED ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DNYANDEO, Hanmant;JAWAHIRE, Prathmesh Sandip;KULKARNI, Shlok Dhanesh;LATPATE, Vivek Namdev;MARKE, Tejas Rajendra~

2026/09956 ~ Complete ~54:A SIMULATION-BASED QUANTUM KEY DISTRIBUTION INTEGRATED SECURITY SYSTEM FOR CLOUD DATA CENTERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: ARAMPADATHIL, Sidharth Vinod;BHAKARE, Pranav Ananda;FAROOQUI, Mohammad Viquar;FUTANE, Pravin Ramkrishna;MAGAR, Hanmant Dnyandeo;SAWANT, Amey Vishwas~

2026/09961 ~ Complete ~54:A REAL-TIME FINANCIAL FRAUD DETECTION SYSTEM USING ENSEMBLE LEARNING TECHNIQUES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DESHPANDE, Pallavi;GHULE, Gauri;PATIL, Pragati;PATIL, Rajas;RATNAPARAKHI, Archana;WALE, Aryan;ZOD, Sumeet~

2026/09970 ~ Complete ~54:PLATEN ASSEMBLY WITH PUNCH AND CONNECTION MANIFOLD TOLERANCE SLOTS AND METHODS FOR MAKING COMPRESSED FOOD PRODUCT ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: ABBAS, Baqar;BURTON-BROWN, Joshua Andrew;CLARKE, Steven Jonathan;FAGAN, Scott James;HERPE, Xavier Jean Rene;PARKER, Anna Elinor;SHEPARD, Bradley Scott;SUTHERLAND MILES, Thomas Gary~ 33:US ~31:63/646,240 ~32:13/05/2024;33:US ~31:63/704,280 ~32:07/10/2024;33:US ~31:63/771,145 ~32:13/03/2025

2026/09935 ~ Provisional ~54:SYSTEM AND METHOD FOR GROUNDED STRUCTURAL INTELLIGENCE - DETERMINISTIC FACT SYNTHESIS WITH TOPOLOGICAL SELF-MEASUREMENT ~71:VANTA X, 52 Amelia Lane, Lanseria Corporate Park, Lanseria, Gauteng, 1739, South Africa ~72: Reshigan Govender~

2026/09979 ~ Complete ~54:REFRIGERATION CYCLE APPARATUS ~71:DENSO CORPORATION, 1-1, Showa-cho, KARIYA-CITY 4488661, AICHI, JAPAN, Japan ~72: INABA, Atsushi;TADA, Kazuhiro;TAKEICHI, Kota~ 33:JP ~31:2024-084845 ~32:24/05/2024

2026/09983 ~ Complete ~54:CYCLOALKYL- AND PIPERIDINYL-CONTAINING DIAMINOMETHYLENE PYRIMIDINE-2,4,6-TRIONE AGONISTS OF PARATHYROID HORMONE 1 AND INCRETIN RECEPTORS

~71:SEPTERNA, INC., 250 East Grand Avenue, Suite 65, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: COLWELL, Curtis Eugene;DU, Xiaohui;EWING, Todd J. A.;LAROUCHE-GAUTHIER, Robin;SALVANT, Justin;ZHAO, Liang~ 33:US ~31:63/638,001 ~32:24/04/2024;33:US ~31:63/715,068 ~32:01/11/2024

2026/09957 ~ Complete ~54:AN INTRUSION DETECTION & LOCKER SECURITY SYSTEM WITH MULTI-SENSOR FUSION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BAGADE, Jayashree V.;HINDOCHA, Pratham;JADHAO, Tejas Sandip;JADHAV, Aditya Dwarkanath;JADHAV, Digvijay Rajendra;KOLTE, Harsh~

2026/09962 ~ Complete ~54:A DOMAIN-AWARE DEEP LEARNING SYSTEM FOR TRUSTWORTHY ORAL CANCER AND DYSPLASIA DETECTION FROM HISTOPATHOLOGICAL IMAGES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: GHULE, Gauri;JOSHI, Atharva Rajendra;MASLEKAR, Atharva Vinayak;PAWAR, Yash Vaibhav;RATHI, Snehal;SURYAVANSHI, Atharva Santosh~

2026/09974 ~ Complete ~54:LOCKING ASSEMBLY AND APPARATUS FOR MAKING COMPRESSED FOOD PRODUCT WITH MOVEMENT RESISTANT FRAME ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: ABBAS, Baqar;BURTON-BROWN, Joshua Andrew;CLARKE, Steven Jonathan;FAGAN, Scott James;HERPE, Xavier Jean Rene;PARKER, Anna Elinor;SHEPARD, Bradley Scott;SUTHERLAND MILES, Thomas Gary~ 33:US ~31:63/646,240 ~32:13/05/2024;33:US ~31:63/704,280 ~32:07/10/2024;33:US ~31:63/771,145 ~32:13/03/2025

2026/09980 ~ Complete ~54:METHOD OF COUPLING A CHARGING ROBOT TO AN ELECTRICALLY CHARGEABLE INDUSTRIAL VEHICLE, AND CHARGING ROBOT ~71:ABB SCHWEIZ AG, Bruggerstrasse 66, BADEN CH-5400, SWITZERLAND, Switzerland ~72: ASTRAND, Max;HALLEN, Mattias;MERING, Elinne~

2026/09988 ~ Complete ~54:MODIFIED VACCINIA VIRUS ANKARA (MVA) ENCODING ANTIGEN-DISPLAYING PROTEIN NANOPARTICLES ~71:BAVARIAN NORDIC A/S, Philip Heymans Alle 3, 2900 Hellerup, Denmark ~72: BROD, Florian;HABJAN, Matthias;HAUSMANN, Jürgen;HINTERBERGER, Maria;RAMBICHLER, Stephan;STEIGERWALD, Robin~ 33:EP ~31:24176752.4 ~32:17/05/2024

2026/09940 ~ Provisional ~54:DEPLOYABLE SELF-ANCHORING CANNULA FOR RAPID VASCULAR ACCESS ~71:BRADLEY KYLE DUNCAN, 18 MORGENSTER CRESCENT, South Africa ~72: BRADLEY KYLE DUNCAN~

2026/09966 ~ Complete ~54:FORMULATIONS OF 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. ~71:PRINCIPIA BIOPHARMA INC., 100 Morris St Morristown, United States of America ~72: CHU, Katherine;DA CRUZ, Henri;JEANJEAN, Audrey~ 33:EP ~31:24305504.3 ~32:02/04/2024;33:US ~31:63/680,810 ~32:08/08/2024;33:US ~31:63/567,124 ~32:19/03/2025

2026/09969 ~ Complete ~54:SELF-ADJUSTING SKIRT SEALING FOR CONVEYORS ~71:TEGA INDUSTRIES LIMITED, Godrej Waterside, Tower-II, Office No. 807, 8th Floor, Block DP-5, Salt Lake Sector V, Bidhannagar, North 24 Parganas, Kolkata, West Benagi 700 091, India ~72: DEBDAS, Somak;IMAM, Syed Yaver;WAKURE, Guruprasad Namdev~ 33:IN ~31:202431031912 ~32:22/04/2024

2026/09973 ~ Complete ~54:INTELLIGENT ROUGHENING CONTROL METHOD AND SYSTEM FOR A PRECAST CONCRETE BRIDGE DECK BASED ON THREE-DIMENSIONAL SCANNING ~71:CHINA MCC17 GROUP CO., LTD., 588 TianBao Road, Huashan Zone, Maanshan, Anhui, People's Republic of China ~72: Changguo WU;Gangyu ZHANG;Guowei YANG;Jinkun HUANG;Jinzhen YU;Shaojie YAN;Xuesheng YU;Yi HU;Yongying GUAN;Yuandi QIAN;Zhen ZHANG;Zimeng YE~ 33:CN ~31:202511546815.4 ~32:28/10/2025

2026/09978 ~ Complete ~54:REFRIGERATION CYCLE APPARATUS ~71:DENSO CORPORATION, 1-1, Showa-cho, KARIYA-CITY 4488661, AICHI, JAPAN, Japan ~72: CHAKIDA, Hiroshi;INABA, Atsushi;TADA, Kazuhiro;TAKEICHI, Kota~ 33:JP ~31:2024-086132 ~32:28/05/2024

2026/09945 ~ Complete ~54:METHOD FOR STRENGTHENING FLOTATION RECOVERY OF FINE CASSITERITE WITH COPPER-IRON-ZINC TRANSITION METAL ION-WATER GLASS COMPOSITE REGULATOR ~71:Kunming University of Science and Technology, No.727 Jingming South Road, Chenggong District, Kunming City, Yunnan Province, 650031, People's Republic of China;Yunnan Tin & Indium Laboratory Co., LTD, No.49 Changyuan Middle Road, Wuhua District, Kunming City, Yunnan Province, 650106, People's Republic of China ~72: CHEN Guangpeng;CHEN Wenping;DAI Chuan;HU Panjin;HUANG Shan;LI Chao;LIU Jian;WANG Ye~ 33:CN ~31:202611513281X ~32:28/09/2026

2026/09959 ~ Complete ~54:AN EDGE-OPTIMIZED VIDEO INTELLIGENCE SYSTEM FOR REAL-TIME AND SCALABLE ANALYTICS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAVAN, Sameer;CHINCHOLKAR, Manasvi;DESHPANDE, Pallavi;GHULE, Gauri;MHASKE, Mayur;RATNAPARAKHI, Archana;UMAP, Himanshu~

2026/09960 ~ Complete ~54:A PROACTIVE, THERMAL-AWARE VIRTUAL MACHINE PLACEMENT SYSTEM FOR ENERGY-EFFICIENT CLOUD ORCHESTRATION USING XGBOOST ANALYTICS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: HANMANT, Magar;MIRAJKAR, Riddhi;SHINDE, Arya;TUPE, Prasanna~

2026/09965 ~ Complete ~54:PROCESS AND SYSTEM FOR TRANSFERRING POLYMER PARTICLES BETWEEN POLYMERIZATION ZONES ARRANGED IN SERIES ~71:LUMMUS NOVOLEN TECHNOLOGY GMBH, Gottlieb-Daimler-Straße 8, Germany ~72: BANGERTH, Stefan~ 33:EP ~31:24169732.5 ~32:11/04/2024

2026/09950 ~ Complete ~54:ONLINE INTELLIGENT MONITORING AND AUTOMATIC CONTROL METHOD AND SYSTEM FOR PET ATTRACTANT PROCESSING ~71:ZHONGYU PET FOOD (LUOHE) GROUP CO., LTD., No.21 Yangshan Road, Zhaoling District, Luohe City, Henan Province, People's Republic of China ~72: Chengying Liu;Hui Xie;Minghao Mou;Zhongping An~ 33:CN ~31:2026110449560 ~32:14/07/2026

2026/09946 ~ Complete ~54:PREPAID SMART WATER METER IMPLEMENTING STANDARD TRANSFER SPECIFICATION (STS) ALGORITHM ~71:Tianjin Tianfei High-Tech Co., Ltd., 5th floor, Common Building, Xinmao Industry area, No. 16 Rongyuan Road, Nankai District, Tianjin, People's Republic of China ~72: Xiaojing WANG;Xiaotong ZHANG;Yanqiu WANG;Yuefei WU~

2026/09947 ~ Complete ~54:LARGE-SCALE COAL-ROCK ZONED-LOADING DYNAMIC RESPONSE TESTING APPARATUS ~71:China University of Mining and Technology-Beijing, Ding No.11, Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: Bo XU;Feng LI;Guiyang SUN;Shishuo JIN;Yimin LIANG;Zhi LI~

2026/09936 ~ Provisional ~54:: SYSTEM AND METHOD FOR CAPTURING RESIDUAL TRANSACTION VALUE AND CONVERTING TOKEN ENTITLEMENTS INTO IDENTITY-LINKED, RULE-RESTRICTED ACCOUNTS ~71:DINGA NKHWASHU, STAND 163 HOVENI VILLAGE, South Africa;DINGA NKHWASHU, STAND 45, South Africa ~72: DINGA NKHWASHU;DINGA NKHWASHU~ 33:ZA ~31:001 ~32:13/10/2026

2026/09939 ~ Provisional ~54:ORA SMART GOVERNANCE/ ORA ESG TRACKER ~71:Khothatso Nzimande-Manana, 45 Juta Street, South Africa;Masentle Nzimande, 41 Juta Street, South Africa ~72: Khothatso Nzimande-Manana;Masentle Nzimande~ 33:ZA ~31:2024/08848 ~32:14/10/2026

2026/09948 ~ Complete ~54:METHOD FOR EVALUATING MANGO FRUIT QUALITY AND OPTIMIZING CULTIVAR-REGION MATCHING BASED ON MULTIVARIATE STATISTICAL ANALYSIS ~71:Guangxi Academy of Agricultural Sciences, No. 174, Daxue East Road, Xixiangtang District, Nanning City, Guangxi, 530007, People's Republic of China ~72: Changbao LI;Chuanyan RAO;Dongqing YE;Li LI;Lihong XIE;Ming XIN;Ping WEI;Ping YI;Xuemei HE;Yayuan TANG;Youxia SHAN~

2026/09985 ~ Complete ~54:METHOD FOR ASCERTAINING VEHICLE DETAILS ~71:MOKUTU, Emmanuel, 1046 Moefi Street, Mapetla, South Africa ~72: MOKUTU, Emmanuel~ 33:ZA ~31:2023/08879 ~32:18/03/2024

2026/09986 ~ Complete ~54:ROW UNIT AND SOWING MACHINE FOR DEPOSITING SEED ~71:AMAZONEN-WERKE H. DREYER SE & CO. KG, Am Amazonenwerk 9-13, 49205, Hasbergen, Germany ~72: KOCH, Jens;MOORMANN, Nico;WILLENBROCK, Jens~ 33:DE ~31:10 2024 115 597.3 ~32:05/06/2024

2026/09951 ~ Complete ~54:ARTIFICIAL INTELLIGENCE-BASED MINERAL RESERVE ESTIMATION METHOD FOR COMPLEX GEOLOGICAL ORE BODIES ~71:CHINA NATIONAL BUILDING MATERIALS RESOURCES AND ENVIRONMENT CO., LTD., No. 11, Beishuncheng Street, Xizhimennei, Xicheng District, Beijing 100035,P.R., People's Republic of China ~72: FU, Yang;LI, Liju;QIN, Ling;YAN, Kai;ZHANG, Zhiying~

2026/09963 ~ Complete ~54:AN AR/VR-BASED SERIOUS GAME SYSTEM FOR CYBERBULLYING AWARENESS AND COPING TRAINING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BAGADE, Jayashree;DUBEY, Disha;GANDHI, Govind;GANGWAL, Chaitanya;GHODAKE, Vedant;JADHAV, Pranali~

2026/09968 ~ Complete ~54:COMPRESSION HEAD ASSEMBLY WITH MOVABLE FRAME AND METHODS FOR MAKING COMPRESSED FOOD PRODUCT ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: ABBAS, Baqar;BURTON-BROWN, Joshua Andrew;CLARKE, Steven Jonathan;FAGAN, Scott James;HERPE, Xavier Jean Rene;PARKER, Anna Elinor;SHEPARD, Bradley Scott;SUTHERLAND MILES, Thomas Gary~ 33:US ~31:63/646,240 ~32:13/05/2024;33:US ~31:63/704,280 ~32:07/10/2024;33:US ~31:63/771,145 ~32:13/03/2025

2026/09984 ~ Complete ~54:CAROTID MAGNETIC RESONANCE SHOULDER PAD WITH ANGLE INDICATION ~71:THE SECOND AFFILIATED HOSPITAL OF NANCHANG UNIVERSITY, No.1 Minde Road, Donghu District, Nanchang, Jiangxi, 330008, People's Republic of China ~72: Xiaoping Tang;Xihai Zhao~

2026/09987 ~ Complete ~54:AN ADAPTER FOR A MEDICAL DOSING PEN ~71:GO-PEN APS, Diplomvej 381, 2800 Kongens, Lyngby, Denmark ~72: BUSK STORMOEN, Christoffer;EJSTRUP HANSEN, Michael;KJERKEGAARD NIELSEN, Ole~ 33:DK ~31:PA202430235 ~32:14/05/2024

2026/09938 ~ Provisional ~54:CENTRALIZED NATIONAL SECURITY AND ANTI-CORRUPTION FIREWALL SYSTEM ~71:VLK Consulting Services, 225 Cliffendale Drive, Faerie Glen, South Africa ~72: Samuel S Vilakazi~

2026/09943 ~ Complete ~54:METHODS OF TREATING INFLAMMATORY DISEASES ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Boehringer Ingelheim GmbH, Corporate Patents Binger Strasse 173, Germany ~72: ARNDT, Matthias;ASLANYAN, Stella;FLACK, Mary, Ruth;GALLER, Annette, Bettina;LALOVIC, Bojan;PADULA, Steven, John;SCHOLL, Paul, Russell~ 33:US ~31:62/111,731 ~32:04/02/2015;33:US ~31:62/130,876 ~32:10/03/2015;33:US ~31:62/135,335 ~32:19/03/2015;33:US ~31:62/145,764 ~32:10/04/2015;33:US ~31:62/204,520 ~32:13/08/2015;33:US ~31:62/235,631 ~32:01/10/2015

2026/09949 ~ Complete ~54:AQUEOUS TEXTILE FINISHING COMPOSITION FOR TREATING BIODEGRADABLE TEXTILES ~71:MOKOTELI, Hlohonolofatso Tiffany, 16 Pearl Cove, Langeveld Road, Vorna Valley, MIDRAND, 1686, Gauteng, SOUTH AFRICA, South Africa ~72: MOKOTELI, Hlohonolofatso Tiffany~ 33:ZA ~31:2025/06499 ~32:01/08/2025

2026/09955 ~ Complete ~54:A SYSTEM AND METHOD FOR ADAPTIVE LOAD BALANCING IN SOFTWARE-DEFINED NETWORKS USING DEEP REINFORCEMENT LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DESHPANDE, Pallavi;FUGNAR, Shrikant;GHULE, Gauri;JADHAV, Pratik;RATNAPARAKHI, Archana;SHENDKAR, Jayant;SOMWANSHI, Pranav~

2026/09958 ~ Complete ~54:A WEB BASED LOCAL TIFFIN SERVICES SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DESHPANDE, Rupali;KOLHE, Komal Chandrakant;KOLI, Siddhesh Nandlal;KORE, Omkar Shankar;KORE, Srusthi Balaji;KORKE, Shrushti Nandkumar~

2026/09964 ~ Complete ~54:RAIL REMOVABLY INSTALLABLE ON A PICKUP TRUCK, KIT AND SYSTEM ~71:GI.ANSO 4X4 CLUB, S.A., 19.5 KLM NATIONAL ROAD ATHENS-CORINTH, Greece ~72: MICHAILIDIS, Athinodoros~ 33:EP ~31:24165542.2 ~32:22/03/2024

2026/09967 ~ Complete ~54:APPARATUS AND METHODS FOR MAKING COMPRESSED FOOD PRODUCTS ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: ABBAS, Baqar;BURTON-BROWN, Joshua Andrew;CLARKE, Steven Jonathan;FAGAN, Scott James;HERPE, Xavier Jean Rene;PARKER, Anna Elinor;SHEPARD, Bradley Scott;SUTHERLAND MILES, Thomas Gary~ 33:US ~31:63/646,240 ~32:13/05/2024;33:US ~31:63/704,280 ~32:07/10/2024;33:US ~31:63/771,145 ~32:13/03/2025

2026/09972 ~ Complete ~54:CONTROL SYSTEM FOR MAKING COMPRESSED FOOD ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: ABBAS, Baqar;BURTON-BROWN, Joshua Andrew;CLARKE, Steven Jonathan;FAGAN, Scott James;HERPE, Xavier Jean Rene;PARKER, Anna Elinor;SHEPARD, Bradley Scott;SUTHERLAND MILES, Thomas Gary~ 33:US ~31:63/646,240 ~32:13/05/2024;33:US ~31:63/704,280 ~32:07/10/2024;33:US ~31:63/771,145 ~32:13/03/2025

2026/09981 ~ Complete ~54:METHODS TO ENHANCE THE PRODUCTION OF HAPLOID PLANTS AND CHROMOSOME DOUBLING ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BOCK, Federico;BUMANN, Eric;DAN, Yinghui;DRAYTON, Paul Richard;KELLIHER, Timothy;LI, Changbao;LIANG, Dawei;LV, Jian;MIRLEAU-THEBAUD, Virginie;PARIS, Clemence~ 33:IB ~31:2024/090146 ~32:26/04/2024

2026/09942 ~ Complete ~54:PREPARATION METHOD AND USE OF PHYLLANTHUS EMBLICA POWDER FOR MOISTURIZING, RESISTING WRINKLES, WHITENING, AND INCREASING DERMIS DENSITY

~71:CIIMBIO (SUZHOU) Co., Ltd., Room 406,4th Floor,Building 1,Ideal Innovation Building, No. 69 Jiuzhang Road,Suzhou Industrial Park, Suzhou, People's Republic of China ~72: Bin HUANG;Junhu LI~

2026/09952 ~ Complete ~54:AIR-BLOWING DEMOLDING STRUCTURE FOR FREEZE-DRIED PET FOOD PROCESSING ~71:ZHONGYU PET FOOD (LUOHE) GROUP CO., LTD., No.21 Yangshan Road, Zhaoling District, Luohe City, Henan Province, People's Republic of China ~72: Chengying, Liu;Minghao, Mou;Qian, Gao;Zhongping, An~ 33:CN ~31:202611012912X ~32:08/07/2026

2026/09954 ~ Complete ~54:AN AI-BASED CYBERSECURITY SYSTEM FOR DEEPFAKE VOICE DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DEDGAONKAR, Suruchi;KALE, Atharav;KANDEKAR, Snehal;KATTI, Rohan;KHAKRE, Varad;SHELKE, Priya;WAGHMODE, Santosh~

2026/09971 ~ Complete ~54:FEED SYSTEM FOR APPARATUS FOR MAKING COMPRESSED FOOD ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: ABBAS, Baqar;BURTON-BROWN, Joshua Andrew;CLARKE, Steven Jonathan;FAGAN, Scott James;HERPE, Xavier Jean Rene;PARKER, Anna Elinor;SHEPARD, Bradley Scott;SUTHERLAND MILES, Thomas Gary~ 33:US ~31:63/646,240 ~32:13/05/2024;33:US ~31:63/704,280 ~32:07/10/2024;33:US ~31:63/771,145 ~32:13/03/2025

2026/09976 ~ Complete ~54:RECOMBINANT RSV F PROTEIN AND USE THEREOF ~71:BEIJING WANTAI BIOLOGICAL PHARMACY ENTERPRISE CO., LTD., No. 31 Kexueyuan Road, People's Republic of China;XIAMEN INNOVAX BIOTECH CO., LTD., 1st Floor, 50 Shan Bian Hong East Road, Haicang District, People's Republic of China;XIAMEN UNIVERSITY, No. 422 Si Ming Nan Road, Siming District, People's Republic of China ~72: CHEN, Tingting;LIN, Min;WANG, Chen;WEI, Minxi;XIA, Ningshao;YIN, Yifan;ZHENG, Zizheng~ 33:CN ~31:202410361533.6 ~32:27/03/2024

2026/09982 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE REGULATION OF RECOMBINANT ADENO-ASSOCIATED VIRUS PRODUCTION ~71:SPARK THERAPEUTICS, INC., 3737 Market Street, Ste. 1300, PHILADELPHIA 19104, PA, USA, United States of America ~72: COHEN, Daniel;MOURA, Pedro;OZDEMIR, Ahmet;SARFALLAH, Azadeh;YAZICIOGLU, Mustafa~ 33:US ~31:63/575,814 ~32:07/04/2024;33:US ~31:63/636,820 ~32:21/04/2024;33:US ~31:63/709,387 ~32:18/10/2024

2026/09989 ~ Complete ~54:PROCESS AND ELECTRIC SMELTING FURNACE TO PRODUCE HOT METAL FROM DIRECT REDUCED IRON ~71:HATCH LTD., 2800 Speakman Drive, Mississauga, Ontario, L5K 2R7, Canada ~72: KOEHLER, Terrence;NOLET, Isabelle;PILOTE, Jacques~ 33:US ~31:63/567,642 ~32:20/03/2024

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2026/10011 ~ Complete ~54:PURIFICATION OF RIFABUTIN FORMULATIONS ~71:BIOVERSYS AG, Hochbergerstrasse 60c, c/o Technologiepark, BASEL CH-4057, SWITZERLAND, Switzerland ~72: DALE, Glenn E.;GITZINGER, Marc;JÄGER, Jürgen;SCHILL, Julian~ 33:US ~31:63/635,136 ~32:17/04/2024

2026/10023 ~ Provisional ~54:ROAD ROLL SCREEN ~71:TEBOHO DANIEL MONARE, E30 MORULA STREET WINDSOR SECTION PHOKENG, South Africa ~72: TEBOHO DANIEL MONARE~

2026/10000 ~ Complete ~54:INTELLIGENT INSTALLATION SYSTEM AND METHOD FOR A LARGE CONVERTER BASED ON DIGITAL TWIN TECHNOLOGY ~71:CHINA MCC17 GROUP CO., LTD., 588 TianBao Road, Huashan Zone, Maanshan, Anhui, People's Republic of China ~72: Anchun CHENG;Daiwei LI;Daofu

ZHU;Jia WANG;Jinku HUANG;Jiong KONG;Rencai JIN;Yongying GUAN;Zheng FANG~ 33:CN ~31:202510965254.5 ~32:14/07/2025

2026/09996 ~ Complete ~54:METHOD FOR FLOTATION OF LOW-GRADE MIDDLING CASSITERITE CONTAINING IRON OXIDE ~71:Kunming University of Science and Technology, No.68 Wenchang Road, 121 Street, Wuhua District, Kunming City, Yunnan Province, 650000, People's Republic of China;Yunnan Tin Indium Laboratory Co., Ltd., No. 49, Changyuan Middle Road, Wuhua District, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: CHEN Wenping;DAI Chuan;HU Panjin;HUANG Shan;LI Chao;LIU Dianwen;LIU Jian;WANG Ye;ZHAO Guoliang~ 33:CN ~31:2026114415741 ~32:17/09/2026

2026/10008 ~ Complete ~54:PCSK9 INHIBITORS AND METHODS OF USE THEREOF ~71:ASTRAZENECA AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: BERGSTRÖM, Hans Fredrik;FROLOV, Andrey;O'MAHONY, Gavin Donal;PANKNIN, Olaf~ 33:EP ~31:24164964.9 ~32:20/03/2024

2026/10014 ~ Complete ~54:METHODS OF PRODUCING PACKAGING ~71:MCCORMICK & COMPANY, INC., 24 Schilling Road, Suite 1, United States of America ~72: BALI, Atul;LE GAL, Laurence;TART, Andy~ 33:GB ~31:2405420.7 ~32:17/04/2024

2026/09990 ~ Provisional ~54:SKIN EFFECT MUTUAL INDUCTANCE REACTOR, WITH FREQUENCY DEPENDENT COEFFICIENT OF COUPLING ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2026/09991 ~ Provisional ~54:SYSTEM AND METHOD FOR AUTOMATED SCORING AND ANALYSIS OF PADEL MATCHES USING COURT-GEOMETRY PRIORS AND PHYSICS-CONSTRAINED BALL RECONSTRUCTION ~71:BLUE PADEL PTY LTD, 210 MAIN ROAD, South Africa ~72: WARD, SIMON SHANE~

2026/09995 ~ Complete ~54:PHOTOGRAMMETRY IMAGING DEVICE WITH DIVERGING ILLUMINATION ~71:STRATAFY (PTY) LTD, No 3, 6th Avenue, Maraisburg, South Africa ~72: WEIDEMAN, Jacobus Daniel~ 33:NL ~31:2041330 ~32:16/10/2025

2026/09998 ~ Complete ~54:SWAGED YIELDING ANCHOR ~71:CARLMAC STEEL (PTY) LTD., 30 Industry Road, Clayville Ext 4, Olifantsfontein, 1666, South Africa ~72: DE KOCK, Gerhardus Nicolaas~ 33:ZA ~31:2025/07905 ~32:17/09/2025

2026/10016 ~ Complete ~54:ANTIBODIES AND ANTIBODY CONSTRUCTS AGAINST CD20 ~71:COMMIT BIOLOGICS APS, Universitetsbyen 81 8000 Aarhus C, Denmark ~72: BAVNHØJ, Laust;DYBDAL, Nina;LAURSEN, Nick Stub;OLESEN, Heidi Gytz;PEDERSEN, Dennis Vestergaard;WINKLER, Mikael Becher Lykkegaard~ 33:EP ~31:24173646.1 ~32:01/05/2024;33:EP ~31:24173650.3 ~32:01/05/2024;33:GB ~31:2417958.2 ~32:06/12/2024;33:GB ~31:2417959.0 ~32:06/12/2024

2026/10019 ~ Complete ~54:IMMUNOCONJUGATES TARGETING L1-CAM ~71:CIS BIOPHARMA AG, Hauptstrasse 159, 4416 Bubendorf, Switzerland ~72: BRÜCHER, Dominik;GERATHS, Christian;HACKEBEIL, Michael;SCHÄFER, Christoph;STRÜTT, Franziska;WINKLER, Daniela~ 33:EP ~31:24176106.3 ~32:15/05/2024

2026/09994 ~ Provisional ~54:A SYSTEM AND METHOD FOR MONITORING AND MANAGING FINANCIAL SERVICE OPERATIONS ~71:MTN GROUP FINTECH (PROPRIETARY) LIMITED, MTN Innovation Centre, 216 14th Avenue, South Africa ~72: NAIDOO, Karusha~

2026/10006 ~ Complete ~54:COMPOSITION COMPRISING IOTA-CARRAGEENAN FOR USE IN THE TREATMENT OF DRY EYES, NON-VIRAL AND NON-ALLERGIC EYE CONDITIONS ~71:UNITHER PHARMACEUTICALS, No. 492 187 968 Espace Industriel Nord CS 28028, 151 Rue Andre Durochez, France

~72: KOLLER, Christiane;MOROKUTTI-KURZ, Martina;PRIESCHL-GRASSAUER, Eva;ROCH-NAKOWITSCH, Sabine;RUSSO, Antonella~ 33:EP ~31:24167732.7 ~32:28/03/2024

2026/09997 ~ Complete ~54:COMPUTER – IMPLEMENTED PREDICTIVE SYSTEM ~71:ARCANEEDGE MARKETING (PTY) LTD, Berkely Avenue, South Africa ~72: KAMOGELO SELEPE~

2026/10004 ~ Complete ~54:MONOCLONAL ANTIBODY THAT SPECIFICALLY BINDS TO BDCA-2 ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: AZARIAN, Aleksandra Dmitrievna;BUKHAREV, Andrey;CHEBLOKOV, Aleksandr Aleksandrovich;ERMOLAEVA, Elizaveta Olegovna;MISORIN, Alexey Konstantinovich;MOROZOV, Dmitry Valentinovich;VINOGRADOVA, Elena Vladimirovna;VODOPIANOVA, Tatiana Andreevna~ 33:RU ~31:2024110026 ~32:12/04/2024

2026/10009 ~ Complete ~54:FASTENING ARRANGEMENT FOR ATTACHING A RAIL IN AN ARMOURED VEHICLE ~71:BAE SYSTEMS HÄGGLUNDS AKTIEBOLAG, ÖRNSKÖLDSVIK 891 82, SWEDEN, Sweden ~72: WÅGBERG, Jens~ 33:SE ~31:2450403-7 ~32:17/04/2024

2026/10017 ~ Complete ~54:ANTIBODIES AND ANTIBODY CONSTRUCTS AGAINST CD38 ~71:COMMIT BIOLOGICS APS, Universitetsbyen 81 8000 Aarhus C, Denmark ~72: BAVNHØJ, Laust;DYBDAL, Nina;LAURSEN, Nick Stub;OLESEN, Heidi Gytz;PEDERSEN, Dennis Vestergaard;WINKLER, Mikael Becher Lykkegaard~ 33:EP ~31:24173646.1 ~32:01/05/2024;33:EP ~31:24173650.3 ~32:01/05/2024;33:GB ~31:2417958.2 ~32:06/12/2024;33:GB ~31:2417959.0 ~32:06/12/2024

2026/10018 ~ Complete ~54:INSULATING CONTAINER ~71:YETI COOLERS, LLC, 7601 Southwest Parkway, Austin, Texas, 78735, United States of America ~72: CORBIN, Matthew Shaffer;DOW, John Warren;FRANKS, Chris;LEVIN, Corey;LUKSZA, Nicolai Marcel~ 33:US ~31:18/624,534 ~32:02/04/2024

2026/10002 ~ Complete ~54:NOVEL COMPOUNDS AND THERAPEUTIC USES THEREOF ~71:CENTAURI THERAPEUTICS LIMITED, First Floor, 5 Fleet Place, United Kingdom ~72: BRIGHT, Helen;BROWN, Pam~ 33:GB ~31:2406865.2 ~32:15/05/2024

2026/10005 ~ Complete ~54:ATAXIA TELANGIECTASIA AND RAD3-RELATED INHIBITORS ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: BULATOV, Ilia Petrovich;CHEREMUSHKIN, Andrey Ivanovich;GAVRILOV, Aleksey Sergeevich;KADYROV, Shamil Dinarovich;KISELEV, Maksim Aleksandrovich;LENSHMIDT, Liliana Vyacheslavovna;MOROZOV, Dmitry Valentinovich;SHPAKOVA, Elena Alexandrovna;SHUTOV, Roman Vadimovich;SIDOROVA, Ksenia Sergeevna;SMETANIN, Ilia Alekseevich;SMOLNIKOV, Sergei Aleksandrovich;STUKOV, Vladimir Petrovich~ 33:RU ~31:2024113118 ~32:15/05/2024

2026/09992 ~ Provisional ~54:SAMPLING DEVICE FOR OBTAINING VAGINAL OR CERVICAL CELLS FROM A SUBJECT ~71:SHOLTO-DOUGLAS, Angela Dawn, 7 Avenue de Chavonnes, South Africa ~72: SHOLTO-DOUGLAS, Angela Dawn~

2026/10013 ~ Complete ~54:ONLINE CLEANING AND FOULING PREVENTION IN VAPOR TRANSFER LINES AND INDUSTRIAL PROCESSES ~71:ALTERRA ENERGY, LLC, 1200 E. Waterloo Rd, AKRON 44306, OH, USA, United States of America ~72: KETOMÄKI, Mika;KORHONEN, Esa;MATILAINEN, Mikko;NEVANLINNA, Ville;PRYBYLA, Stanley G.;SASS, Scott M.;UOTILA, Perttu;VANSUCH, Nicholas A.~ 33:US ~31:63/636,476 ~32:19/04/2024;33:US ~31:63/786,430 ~32:10/04/2025

2026/09993 ~ Provisional ~54:WHITE CANE ~71:BLIND S.A. NPO: 000-606, 5 Fuchs Street, Alrode, South Africa ~72: WOOD, Richard Roy~

2026/09999 ~ Complete ~54:BOLT SEGMENT ~71:CARLMAC STEEL (PTY) LTD., 30 Industry Road, Clayville Ext 4, Olifantsfontein, 1666, South Africa ~72: DE KOCK, Gerhardus Nicolaas~ 33:ZA ~31:2025/07906 ~32:17/09/2025

2026/10001 ~ Complete ~54:SYSTEMS AND A SELF-CONTAINED APPARATUS FOR ENVIRONMENTAL MONITORING ~71:PROA IP HOLDINGS PTY LTD, 4/51-53 Hallam South Road, Hallam, Australia ~72: KNOX, Alistair;RUELLE DEPOORTER, Victor;TORIBIO LOPEZ, Beatriz~ 33:AU ~31:2024901407 ~32:14/05/2024;33:AU ~31:2024902575 ~32:19/08/2024

2026/10003 ~ Complete ~54:UREA COMPOUND AND USE THEREOF ~71:SK BIOPHARMACEUTICALS CO., LTD., 221, Pangyoyeok-ro, Bundang-gu, Republic of Korea ~72: CHA, Soo Bong;HAN, Seong Nam;HONG, Bo Hyeon;JANG, Dong Hoon;JEONG, Young Chan;KIM, Sang Won;KIM, Se Jin;LEE, Ka Eun;LEE, Ki Ho;LEE, So Young;LEE, Ye Rim;PARK, Jong Sil;RYU, Choon Ho~ 33:KR ~31:10-2024-0052273 ~32:18/04/2024

2026/10012 ~ Complete ~54:DETECTION AND SEPARATION OF INDIVIDUAL RARE EARTH ELEMENTS WITH A NEW LANMODULIN ORTHOLOG AND VARIANTS THEREOF ~71:THE PENN STATE RESEARCH FOUNDATION, 304 Old Main, UNIVERSITY PARK 16802, PA, USA, United States of America ~72: BOAL, Amie;CHOI, Wonseok;COTRUVO Jr., Joseph Alfred;JUNG, Jonathan;LIN, Chi-Yun;ZHOU, Xianxian~ 33:US ~31:63/635,348 ~32:17/04/2024

2026/10015 ~ Complete ~54:MUCIN-5B (MUC5B) TARGETED SIRNA AND ANTISENSE OLIGONUCLEOTIDES AND METHODS OF USE THEREOF ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: D'ASTOLFO, Diego~ 33:US ~31:63/567,742 ~32:20/03/2024

2026/10021 ~ Complete ~54:SIRP ALPHA, BETA, GAMMA ANTIBODIES FOR TREATMENT OF EPSTEIN–BARR VIRUS INFECTIONS ~71:ELECTRA THERAPEUTICS, INC., 230 E. Grand Avenue, Suite S-100, South San Francisco, California 94080, United States of America ~72: DAO, Kim-Hien T;PARRY, Graham C;PATOU, Gary~ 33:US ~31:63/637,314 ~32:22/04/2024

2026/10022 ~ Complete ~54:INSTALLATION FOR THE MONITORING OF REPRESENTATIVE PARAMETERS OF A CAST BILLET, IN PARTICULAR SURFACE STATE THEREOF, AUTOMATED MONITORING METHOD USING SUCH INSTALLATION AND CASTHOUSE PLANT COMPRISING SUCH INSTALLATION ~71:DUBAI ALUMINIUM PJSC, P.O. box 3627, Sheikh Zayed road, exit 25, Jebel Ali, Dubai, United Arab Emirates ~72: ALHAMAD, Ayman;HUSSAIN, Abid~ 33:EP ~31:24175639.4 ~32:14/05/2024

2026/10007 ~ Complete ~54:ARTICULATED CONVEYOR FOR EARTH MATERIAL PROCESSING EQUIPMENT ~71:SANDVIK LTD, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: BAXTER, Adam;SMYTH, Stuart~ 33:EP ~31:24167850.7 ~32:29/03/2024

2026/10010 ~ Complete ~54:PRODUCING SYNTHESIS GAS ~71:TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, Tekniikantie 21, ESPOO 02150, FINLAND, Finland ~72: BAJAMUNDI, Cyril;HÄMÄLÄINEN, Aki;KAUPPINEN, Juho;SALO, Esko;TSUPARI, Eemeli;VUORI, Sampsa~ 33:FI ~31:20245494 ~32:18/04/2024

2026/10020 ~ Complete ~54:ANALYTICS-ASSISTED POSITIONING UE MANAGEMENT FUNCTION ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: LIU, Lu;LY, Quang;MLADIN, Catalina;SEED, Dale~ 33:US ~31:63/645,389 ~32:10/05/2024

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2026/10026 ~ Provisional ~54:THE BORZILOV MACHINE: UNIVERSAL ROTARY-OSCILLATING POSITIVE DISPLACEMENT MACHINE WITH MODULAR BEARING & DRIVE ARCHITECTURE ~71:DIMITRY LUXENOVICH BORZILOV, 3 Yeoville Road, Vredehoek, South Africa ~72: DIMITRY LUXENOVICH BORZILOV~

2026/10041 ~ Complete ~54:A HYBRID DEEP LEARNING-BASED SYSTEM FOR SURFACE DEFECT DETECTION USING SUPERVISED CLASSIFICATION AND UNSUPERVISED ANOMALY DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHOUDHARY, Nimita Sanjeev Kumar;NARLAWAR Vedika Pravin;PADATE, Gargi Sitaram;PAGARIYA, Arham Paresh;SHARMA, Nidhi;VAYADANDE, Kuldeep~

2026/10056 ~ Complete ~54:METHODS OF TREATING PSYCHIATRIC DISORDERS OR PAIN USING (R)-2-(4-FLUOROPHENYL)-2-(METHYLAMINO)CYCLOHEXAN-1-ONE OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF ~71:GILGAMESH PHARMA, INC., 113 University Place, Suite 1019, United States of America ~72: HUGHES, Zoe A.;KRUEGEL, Andrew Carry;MAREK, George Joseph~ 33:US ~31:63/646,041 ~32:13/05/2024

2026/10064 ~ Provisional ~54:VEHICLE HAIL PROTECTOR ~71:Cornell Singh, 34 Satyapal Road, South Africa ~72: Cornell Singh~

2026/10035 ~ Complete ~54:LOCATION-BASED ACCESS CONTROL METHOD AND SYSTEM ~71:MAHLANGU, Khauhelo Vusimuzi, 210 Kingcup Street, South Africa ~72: MAHLANGU, Khauhelo Vusimuzi~ 33:ZA ~31:2026/03870 ~32:09/04/2026

2026/10039 ~ Complete ~54:GREEN-GREY SYNERGISTIC MULTI-STAGE STORMWATER MANAGEMENT SYSTEM ~71:TIANJIN UNIVERSITY, No. 92, Weijin Road, Nankai District, Tianjin, 300072, People's Republic of China ~72: YANG, Dongdong;ZHAO, Xin~ 33:CN ~31:2025116395998 ~32:07/11/2025

2026/10052 ~ Complete ~54:COSMETIC COMPOSITION COMPRISING BILBERRY LEAF EXTRACT ~71:GIVAUDAN SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: FU, Liying~ 33:IB ~31:2024/082629 ~32:20/03/2024

2026/10031 ~ Provisional ~54:A SELF-FILEABLE PROVISIONAL PATENT SPECIFICATION FOR THE PUBLIC, NO-ACCOUNT VERIFIER THAT RENDERS TAMPER-EVIDENT PROVENANCE TO ANY THIRD PARTY; THE PER-EVENT HASH CHAINED PASTE-SOURCE CLASSIFICATION RECORD THAT TRAVELS WITH THE CHARACTER IT DESCRIBES; THE SERVER-SIDE KEYBOARD-WITNESS SESSION ARRIVAL WITH CHAIN-VERIFIED BEFORE-WRITE; THE KEYED ADOPTION TRUST SET THAT ADMITS FOREIGN-IDENTITY ENVELOPES UNDER VALIDITY WINDOWS; AND THE DELIVERY-GAP INHERITANCE RULE, ADOPTED-CATEGORY FOLD, MAIN-WORLD EXTRACTION READER, AND STATS-ONLY DESKTOP ADD-IN CHANNEL THAT TOGETHER MAKE PER-EVENT PROVENANCE LEGIBLE OUTSIDE THE SIGNED MANIFEST. ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/10037 ~ Complete ~54:AN AI-POWERED SYSTEM FOR HEALTHCARE APPOINTMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: KHAIRE, Pranav;KHANORE, Shreyas;KODGIRWAR, Krushna;SHITOLE, Sanskar;YADAV, Jyoti~

2026/10038 ~ Complete ~54:A RETRIEVAL-AUGMENTED GENERATION (RAG) SYSTEM FOR ENTERPRISE KNOWLEDGE MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET

RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: NALEGAONKAR, Sanskar Milind;NALLAWAR, Om Vilas;NARKHEDE, Vedant Ananda;PANCHARIYA, SHOURYA Ramprakash;PARAB, Sai Shankar;VAYADANDE, Kuldeep~

2026/10045 ~ Complete ~54:AN INTERPRETABLE MACHINE LEARNING BASED SYSTEM FOR EARLY-STAGE IDENTIFICATION OF AT-RISK STUDENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: LONKAR, Soham;MALI, Aditya;MANE, Arjun;PATIL, Parth;PATIL, Sarthak;VAYADANDE, Kuldeep~

2026/10034 ~ Complete ~54:A METHOD AND SYSTEM FOR PURIFYING PERISHABLE GOODS THROUGH SYNCHRONIZED OSCILLATING GERMICIDAL EXPOSURE ~71:SOUCHA CAPITAL ADVISORS PRIVATE LIMITED, 1-63-125/126 Flat G2, Kavuri Hills, Hyderabad, Telangana, 500081, India ~72: Sameer Kanth~ 33:IN ~31:IN 202641094549 ~32:04/08/2026

2026/10046 ~ Complete ~54:A HUMAN AWARE INTELLIGENT SYSTEM FOR TASK ALLOCATION IN SOFTWARE DEVELOPMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHIKHALE, Mayur R;MARATHE, Harshal Sudhakar;MEHAR, Vedant Narayan;MISHRA, Aum Santosh;NHALADE, Devesh Yashawant;VAYADANDE, Kuldeep~

2026/10059 ~ Complete ~54:WEAR ASSEMBLY ~71:ESCO GROUP LLC, 1631 NW Thurman Street, United States of America ~72: DURAND, Severn, D.;FOX, Kelly, A.;OTT, Jared, K.;WOOD, Clinton, A.~ 33:US ~31:63/573,463 ~32:03/04/2024

2026/10047 ~ Complete ~54:A COMPUTER-IMPLEMENTED TRANSFORMER-BASED NEURAL NETWORK SYSTEM FOR TRANSLATION TASKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MANGATE, Rudra Vijay;NALE, Ribhav Sunil;PADWAL, Abhishek Santosh;PATIL, Shripurna Anant;VAYADANDE, Kuldeep~

2026/10049 ~ Complete ~54:A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MULTI-OBJECTIVE GENETIC ALGORITHM BASED SOFTWARE PROJECT SCHEDULING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MUJAWAR, Malik Rashid;MURUDKAR, Rohan Mohanrao;NAGUR, Pranav Vilas;NAKTI, Parth Dilip;PABALE, Viraj Sandeep;VAYADANDE, Kuldeep~

2026/10055 ~ Complete ~54:METHOD AND STATION FOR COLLECTING, STORING AND REMOVING REFUSE PRODUCED BY HOUSEHOLDS AND IN MARKETS ~71:TEMFACK NGOUNE, Jean Michel, Quartier Ngousso, Yaounde, 00237, Cameroon ~72: TEMFACK NGOUNE, Jean Michel~ 33:OA ~31:1202400258 ~32:24/07/2024

2026/10053 ~ Complete ~54:MINING SYSTEM ~71:FORTESCUE LTD, Ground Floor, 256 St Georges Terrace, PERTH 6000, WA, AUSTRALIA, Australia ~72: BURT, Christina Naomi;QUEKETT, Rupert John;SHEDDEN, David Mackenzie~ 33:AU ~31:2024900745 ~32:20/03/2024

2026/10028 ~ Provisional ~54:INTEGRATED CLOSED-LOOP ECOSYSTEM AND METHOD FOR MULTI-ENVIRONMENT EFFLUENT REMEDIATION, BIOMASS THERMAL CONVERSION, AND CARBON SEQUESTRATION ~71:Tshanduko Budeli, 060657 Thondoni, Mandala, South Africa ~72: Tshanduko Budeli~

2026/10033 ~ Complete ~54:HEAT-PIPE MULTI-TEMPERATURE-ZONE REFRIGERATOR ~71:Rushi Energy Technology (Dalian) Co., Ltd., Room 702, No. 2, Shanzhuang North Second Street, Baiyun New Village, Xigang District, Dalian, Liaoning Province, 116019, People's Republic of China ~72: CHANG, Yu~ 33:CN ~31:2026113303857 ~32:28/08/2026;33:CN ~31:2026113303931 ~32:28/08/2026;33:CN ~31:2026113304008 ~32:28/08/2026;33:CN ~31:2026213561553 ~32:28/08/2026;33:CN ~31:2026213561591 ~32:28/08/2026;33:CN ~31:2026213561623 ~32:28/08/2026

2026/10036 ~ Complete ~54:A HYBRID DEEP LEARNING SYSTEM USING TABNET, HHO AND SHAP FOR EXPLAINABLE SOFTWARE PROJECT MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHAVSAR, Nikhil Sandeep;PADHARIYA, Tulsidas;PANDAO, Prathmesh Sandip;PANDE, Aayush Yogesh;PANDHARIPANDE, Siddharth Amogh;VAYADANDE, Kuldeep~

2026/10042 ~ Complete ~54:AN AI-BASED SMART REMOTE HEALTHCARE MONITORING AND HOSPITAL MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MURDE, VAIBHAV Vyankatrao;NAGRALE, Dhanshree Santosh;NAVALE, Om Ganesh;NEHE, Siddhi Nitin;SHAHIR, Mayuri;YADAV, Jyoti~

2026/10054 ~ Complete ~54:RESISTANCE SPOT WELDING METHOD FOR ALUMINUM-SILICON COATED HOT-FORMED STEEL HAVING TENSILE STRENGTH OF 1,700 MPA OR ABOVE ~71:BAOSHAN IRON & STEEL CO., LTD., NO.885, FUJIN ROAD, Baoshan District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: DING, Kai;GONG, Tao;LEI, Ming;LIU, Chengjie;PAN, Hua;WEN, Zhongling;WU, Tianhai;WU, Yue~ 33:CN ~31:202410484590.3 ~32:22/04/2024

2026/10060 ~ Complete ~54:BUCKET LIP ~71:ESCO GROUP LLC, 1631 NW Thurman Street, United States of America ~72: ZENIER, Scott, H.~ 33:US ~31:63/631,406 ~32:08/04/2024

2026/10025 ~ Provisional ~54:AUTONOMOUS COGNITIVE MOBILE KINEMATIC APPLIANCE FOR ACOUSTICALLY TRACKED TARGET ENGAGEMENT, SURVEILLANCE, AND HIGH-FIDELITY OPTICAL CAPTURE DISTRIBUTED VIA TELEMETRIC NETWORKS ~71:Neeresh Rohitlall, 25 karee street, South Africa ~72: Neeresh Rohitlall~

2026/10040 ~ Complete ~54:A CLOUD-ASSISTED DIGITAL TWIN SYSTEM FOR PREDICTIVE MAINTENANCE OF INDUSTRIAL EQUIPMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BARTAKE, Saraswati Girish;BHOMAJ, Keval Sanjay;BIRADAR, Janhavi Chandrashekhar;DESHMUKH, Minal Samir;KSHIRSAGAR, Ketki S.~

2026/10048 ~ Complete ~54:AN AI HALLUCINATION DETECTION IN REQUIREMENTS-CODE TRACEABILITY & VERIFICATION SYSTEM FOR TRUSTWORTHY SOFTWARE SYSTEMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD,

LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: NARUTE, Shreya Suresh;PATHAK, Anushka;PATIL, Devaki;PATIL, Saie;PATIL, Samruddhi;VAYADANDE, Kuldeep~

2026/10050 ~ Complete ~54:AN AI-DRIVEN SYSTEM FOR REAL-TIME AMBIGUITY DETECTION, GAP ANALYSIS AND SPRINT PLANNING IN SOFTWARE REQUIREMENTS ENGINEERING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: MANGADE, Anushka Mugaji;NAGMULE, Pranjal Dayanand;PATIL, Devang Jaywantrao;PATIL, Om Sanjay;PATIL, Paras Vaibhav;VAYADANDE, Kuldeep~

2026/10058 ~ Complete ~54:SUBSTITUTED HETEROCYCLIC COMPOUND, PREPARATION METHOD THEREFOR, INSECTICIDAL COMPOSITION, AND USE THEREOF ~71:QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD., No.53, Qinglonghe Road, Huangdao District, Qingdao, People's Republic of China ~72: GUO, Xiang;LIAN, Lei;PENG, Xuegang;ZHAO, De~ 33:CN ~31:202411187633.8 ~32:27/08/2024;33:CN ~31:202411516595.6 ~32:28/10/2024

2026/10044 ~ Complete ~54:A METHOD OF PREPATION OF AMNIOTIC MEMBRANE ~71:NDHLOVU, Cleopatra, 4261 Paisley Avenue Bluevalley Golf Estate Kosmosdal, South Africa ~72: NDHLOVU, Cleopatra~ 33:ZA ~31:2026/01436 ~32:03/02/2026

2026/10057 ~ Complete ~54:WEAR MEMBER AND WEAR ASSEMBLY ~71:ESCO GROUP LLC, 1631 NW Thurman Street, United States of America ~72: HANKLAND, Joel, S.;JAECKER, Devan, H;ZENIER, Scott, H.~ 33:US ~31:63/572,050 ~32:29/03/2024

2026/10061 ~ Complete ~54:POLYPROPYLENE-BASED COMPOSITION, POLYPROPYLENE FOAM THEREOF, AND PREPARATION METHOD FOR POLYPROPYLENE FOAM ~71:HEYI INTERNATIONAL PACKING MATERIALS CO., LTD., 2F., No. 15, Ln. 367, Sec. 1, Yanghu Rd., Daping Vil, People's Republic of China ~72: CHU, Tien-chu~

2026/10024 ~ Provisional ~54:SAFECLUB ~71:Sipho Ernest Mackenzie, 841 Matime Street, South Africa ~72: Sipho Ernest Mackenzie~

2026/10027 ~ Provisional ~54:CLAIMSVIEW PATENT ~71:Mercari Group Pty Ltd, 134 River Road, Barbeque Downs, Kyalami, South Africa ~72: Collins Phutjane Letsoalo~

2026/10029 ~ Provisional ~54:REUSABLE STORED-FLUID LIFT STAGE AND METHOD OF LAUNCHING A ROCKET VEHICLE WITH ABORT-GATED IGNITION ~71:David Maurice Conradie, 6 Villa Christiaan, 98 Manie Road, Elarduspark, South Africa ~72: David Maurice Conradie~

2026/10030 ~ Provisional ~54:A SELF-FILEABLE PROVISIONAL PATENT SPECIFICATION FOR THE SERVER-AUTHORITATIVE TWO STEP SIGNING-AUTHORISATION CEREMONY, THE SEAL-TIME DETERMINISTIC REPLAY OF THE RAW WITNESSED OP-LOG, AND THE FUSION OF SESSION-INTEGRITY, LIVENESS, GAP, CONSENT AND VERSION FACTS INTO ONE TAMPER-EVIDENT SIGNED MANIFEST. THE PATENT THAT CONVERTS THE FIVE PREVIOUSLY-INDEPENDENT OBSERVATION LAYERS OF THE AUTHMARKS FAMILY INTO ONE BYTE-DETERMINISTIC SNAPSHOT OF TRUTH ~71:Phillip Danial Gimmi, 20 Duiker close, South Africa ~72: Phillip Danial Gimmi~

2026/10032 ~ Complete ~54:STEAM TRAP AND TEMPERATURE-RESPONSIVE VALVE CORE ASSEMBLY ~71:Dalian Keenwise Industrial Technology Co., Ltd., 1-2/F, No. 2-1 Penghong Street, Dalian Economic and Technological Development Zone, Dalian, Liaoning Province, 116699, People's Republic of China ~72: CHANG,

Yu~ 33:CN ~31:2026110880852 ~32:21/07/2026;33:CN ~31:2026110880941 ~32:21/07/2026;33:CN ~31:2026211107284 ~32:21/07/2026;33:CN ~31:2026211107320 ~32:21/07/2026;33:CN ~31:2026111861204 ~32:05/08/2026;33:CN ~31:2026212094597 ~32:05/08/2026;33:CN ~31:2026111861399 ~32:06/08/2026;33:CN ~31:2026212094633 ~32:06/08/2026

2026/10043 ~ Complete ~54:OLIVE FRUIT WINE AND PREPARATION METHOD THEREOF ~71:GANSU PROVINCIAL COMMERCIAL SCIENCE AND TECHNOLOGY RESEARCH INSTITUTE CO., LTD., 18th Floor, Building C, Lianchuang Plaza, No. 449 Yannan Road, Chengguan District, Lanzhou City, 730030, People's Republic of China;LONGNAN CITY ECONOMIC FOREST RESEARCH INSTITUTE OLIVE RESEARCH INSTITUTE, No. 678, Jishiba Street Office, Chengguan Town, Wuda District, Longnan City, 742500, People's Republic of China ~72: JIANG, Ailian;LIU, Ting;YANG, Jiangjiang;YOU, Yina;YUAN, Caixia;ZHANG, Bo;ZHOU, Yanhong~ 33:CN ~31:2026113340589 ~32:28/08/2026

2026/10051 ~ Complete ~54:A MULTI-DIMENSIONAL, CONSTRAINT-DRIVEN JOB PLACEMENT AND ADAPTIVE MIGRATION FRAMEWORK FOR VIRTUALIZED CLOUD ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: IMAM, Md Ahsan;MARATHE, Vedanshu;PATEL, Henil;PATIL, Aditya;VAYADANDE, Kuldeep~

. - APPLIED ON 2026/10/20 -

2026/10065 ~ Provisional ~54:SYSTEM AND METHOD FOR DETECTING ANOMALOUS BEHAVIOR IN COMPUTER PROCESS DATA USING A FIXED GEOMETRIC SCORING MODEL ~71:Sudhir Singh, 4 sandfields Road, South Africa ~72: Sudhir Singh~

2026/10072 ~ Complete ~54:CRASH-RESPONSIVE VEHICLE INTERIOR SYSTEM ~71:DANIEL, Nolan, 2nd Floor, Northbank Building, 1 Northbank Lane, Century City, South Africa ~72: DANIEL, Nolan~ 33:ZA ~31:2025/08052 ~32:22/10/2025

2026/10076 ~ Complete ~54:AN EARLY-STAGE CONFIDENTIALITY RISK DETECTION SYSTEM USING SOFTWARE ARCHITECTURE MODELS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: KAPRE, Punyesh Prakash;RAJEBHOSALE, Narayani Pramod;RAJPUT, Karan Shailendra;RANE, Chinmay Pankaj;RATHI, Amber Suraj;VAYADANDE, Kuldeep~

2026/10087 ~ Complete ~54:LPAR1 INHIBITORS ~71:ABBVIE INC., 1 N. Waukegan Road, NORTH CHICAGO 60064, IL, USA, United States of America ~72: ACKRILL, Thomas D.;BREINLINGER, Eric C.;CHAVEZ, Martin Garcia;HAMZA, Daniel;HEYMAN, Howard R.;KORMAN, Henry;KRUEGER, Allan C.;LEEDER, Alexamder J.;LIU, Bo;MCLELLAN, Jayde A.;NEWTON, James N.;OWENS, Kyle R.;SHRESTHA, Anurupa;WILSON, Noel S.;ZHAO, Gang~ 33:US ~31:63/637,200 ~32:22/04/2024

2026/10094 ~ Complete ~54:REPRODUCIBLE LEARNING-BASED POINT CLOUD CODING ~71:INTERDIGITAL VC HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: LODHI, Muhammad Asad;PANG, Jiahao;TIAN, Dong~ 33:US ~31:18/637,370 ~32:16/04/2024

2026/10073 ~ Complete ~54:DYNAMIC LOAD SIMILARITY MODEL TEST SYSTEM AND RELATED METHOD AND DEVICE ~71:CHINA AIRPORT PLANNING & DESIGN INSTITUTE CO., LTD., ROOM 3-83, BUILDING 6, RONGHUIYUAN, AIRPORT ECONOMIC CORE ZONE, People's Republic of China ~72: CAI, Guoqing;CUI,

Linjian;HAN, Jinbao;JIANG, Changshan;JIANG, Kai;LI, Feilong;LIU, Zhaopeng;WANG, Huaxiong;YANG, Shan;YU, Qian~ 33:CN ~31:202610813332.4 ~32:08/06/2026

2026/10080 ~ Complete ~54:AN INTELLIGENT GREEN-AWARE ADAPTIVE SCHEDULING SYSTEM FOR ENERGY-EFFICIENT TASK ALLOCATION IN CLOUD COMPUTING ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: INDORE, Saujanya;RAUT, Snehal;SARNAIK, Ved;SINGH, Ritish;SLATHIA, Shiva;VAYADANDE, Kuldeep~

2026/10083 ~ Complete ~54:ELECTROLYTIC PREPARATION APPARATUS FOR CHLOROAURIC ACID ~71:Taicang Hushi Reagent Co., Ltd., No.18 Taowan Road, Shaxi Town, Taicang City, Jiangsu Province, People's Republic of China ~72: Ming Lv;Wei Wang;Xin Sun;Yongqi Wang~ 33:CN ~31:2024113327744 ~32:24/09/2024

2026/10092 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS OF 3-FLUORO-5-(((1S,2AR)-1,3,3,4,4-PENTAFLUORO-2A-HYDROXY-2,2A,3,4-TETRAHYDRO-1H- CYCLOPENTA[CD]INDEN-7-YL)OXY)-BENZONITRILE ~71:NIKANG THERAPEUTICS, INC., 200 Powder Mill Road, Bldg E500, Wilmington, Delaware, 19803, United States of America ~72: COOK, Charles M~ 33:US ~31:63/642,141 ~32:03/05/2024;33:US ~31:PCT/US2025/26750 ~32:29/04/2025

2026/10066 ~ Provisional ~54:CONVERSATIONAL ORDER PROCESSING SYSTEM AND METHOD ~71:Soupr (Pty) Ltd, 140A Kelvin Drive, South Africa ~72: MEHTA, Mayank;SHARMA, Shekhar~

2026/10071 ~ Complete ~54:ROTARY TILLER HAVING SOIL LEVELING FUNCTION ~71:Chuzhou Hetian Agricultural Machinery Co., Ltd., Factory 3, Chuzhou Boyuan Decoration Engineering Co., Ltd., Yangqiao Industrial Park, Xianghe Town, Quanjiao County, Chuzhou City, Anhui Province, 239500, People's Republic of China ~72: Han Xinyu;Kang Hao;Wang Hejin;Wei Shoubin;Wu Zifei;Yang Jian;Yu Hua;Zhao Bo~ 33:CN ~31:2025115028173 ~32:21/10/2025

2026/10079 ~ Complete ~54:PATHOLOGY DEMONSTRATION DEVICE FOR PSYCHOLOGICAL COUNSELING FOR PATIENTS WITH SEVERE ILLNESS ~71:Nantong University, No.9.Seyuan Road, Chongchuan District, Nantong City, Jiangsu Province, 226019, People's Republic of China ~72: CAO Shuqi;GUO Yujie;NI Jianhua~

2026/10093 ~ Complete ~54:MODEL SHARING FOR POINT CLOUD COMPRESSION ~71:INTERDIGITAL VC HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: AHN, Junghyun;LODHI, Muhammad Asad;PANG, Jiahao;TIAN, Dong~ 33:US ~31:18/669,079 ~32:20/05/2024

2026/10097 ~ Complete ~54:METHODS AND PLANTS FOR PHYTOMINING ~71:GENOMINES, 8 Avenue du Hêtre, 94170, Le Perreux-sur-Marne, France ~72: KURIAKOSE, Boney;MATAR, Naeif;PARSON, Muhsin;RASHID, Dali;SINGH, Abhay;SOUSARAEI, Naeimeh~ 33:EP ~31:24305668.6 ~32:29/04/2024;33:EP ~31:24306263.5 ~32:25/07/2024

2026/10137 ~ Provisional ~54:SYSTEM AND METHOD FOR CIRCULAR ECOMOMY MRV-GENESIS LB-ZA-CHAIN OF CUSTODY,BLOCK BOX WITH LIFES9 DATA OS-METHOD:GPS+MEASURE+FEEDSTOCK+AI CAMERA+KWIT+SOC=MINT IN TRASIT ~71:ASHTON GRANGER ID 8103245199082, 338 GENADE CRESCENT BLOCK M, South Africa ~72: ASHTON GRANGER ID 8103245199082~

2026/10069 ~ Complete ~54:INTEGRATED EQUIPMENT FOUNDATION FOR DIESEL GENERATOR SET WITH OIL SEPARATION, FIRE SUPPRESSION, AND WATERPROOF FUNCTIONS ~71:Changsha Construction

Project Quality and Safety Supervision Station, No.149 Weier Road, Furong District, Changsha City, Hunan Province, 410000, People's Republic of China;Hunan Construction Engineering Group Co., Ltd., No.158 Furong North Road, Kaifu District, Changsha City, Hunan Province, 410008, People's Republic of China;Hunan Construction Investment Group Co., Ltd., No.788 Furong South Road, Tianxin District, Changsha City, Hunan Province, 410004, People's Republic of China ~72: CAI Wanghai;CHEN Hao;CHEN Ke;LI Jingbo;LI Yuzhou;LIN Qing;RAN Qikun;WANG Xiaoxiang;YIN Jian;ZHONG Ting~ 33:CN ~31:2026206702896 ~32:13/05/2026

2026/10078 ~ Complete ~54:A COMPUTER-IMPLEMENTED SYSTEM FOR AUTOMATED AGILE PROJECT PLANNING AND REAL-TIME PROJECT MONITORING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: PATIL, Tejaswini;RINGANKAR, Aditya;SARODE, Vijendra;SARULKAR, Harsh;SAXENA, Sahaz;VAYADANDE, Kuldeep~

2026/10085 ~ Complete ~54:FRAGRANCE COMPOSITIONS EXHIBITING ENHANCED INTENSITY ~71:GIVAUDAN SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: BAILES, Nathan;HAMMOND, Christopher;MOLL, Victor Hugo~ 33:EP ~31:24165160.3 ~32:21/03/2024

2026/10090 ~ Complete ~54:METHOD FOR OBTAINING COMBUSTIBLE TEXTILE STRUCTURES BASED ON NITROCELLULOSE, COMBUSTIBLE TEXTILE STRUCTURES, AND COMBUSTIBLE OBJECTS CONTAINING SAME ~71:EURENCO FRANCE SAS, 123 allée de Brantes, SORGUES 84700, FRANCE, France ~72: CUVELIER, Sébastien;DEBIESSE, Clara;LARBODIE, Julien;MERCADER, Célia~ 33:FR ~31:FR2402806 ~32:21/03/2024

2026/10099 ~ Provisional ~54:AUTOMATED SPATIAL—INFORMATICS AND MULTI—TIERED MUNICIPAL RISK— ADJUSTMENT ENGINE WITH INTEGRATED MERCHANT COMMERCE VERIFICATION. ~71:Hlonela Gulwa, 44 Shibden Drive ,22 Meadowlark, South Africa ~72: Hlonela Gulwa~

2026/10067 ~ Provisional ~54:VERIFIED LANGUAGE MODEL ADVISORY SYSTEM AND METHOD WITH DETERMINISTIC AND AUDITED RETRIEVAL ~71:CUSTOM ARTIFICIAL INTELLIGENCE SOLUTIONS (PTY) LTD., 16 Highwick Drive, Kenilworth, Cape Town, 7708, South Africa ~72: JOHNSTONE, Steven Glyn~

2026/10075 ~ Complete ~54:INCRETIN ANALOGS AND USES THEREOF ~71:ELI LILLY AND COMPANY, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ALSINA-FERNANDEZ, Jorge;COSKUN, Tamer;GUO, Lili;QU, Hongchang~ 33:US ~31:62/608,613 ~32:21/12/2017

2026/10088 ~ Complete ~54:OSAVAMPATOR FOR USE IN THE TREATMENT OF DEPRESSIVE DISORDERS AND COGNITIVE IMPAIRMENT ~71:NEUROCRINE BIOSCIENCES, INC., 6027 Edgewood Bend Court, SAN DIEGO 92130, CA, USA, United States of America ~72: SINGH, Jaskaran B.~ 33:US ~31:63/637,337 ~32:22/04/2024;33:US ~31:63/640,771 ~32:30/04/2024;33:US ~31:63/641,890 ~32:02/05/2024;33:US ~31:63/641,908 ~32:02/05/2024;33:US ~31:63/691,572 ~32:06/09/2024;33:US ~31:63/707,311 ~32:15/10/2024;33:US ~31:63/709,014 ~32:18/10/2024;33:US ~31:63/767,686 ~32:06/03/2025;33:US ~31:63/767,812 ~32:06/03/2025

2026/10095 ~ Complete ~54:PLUNGER FOR AUTO-INJECTOR AND RELATED METHODS OF USE ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: GILDERSLEEVE, Jr. Richard Jeff;GRYGUS, Bryan C~ 33:US ~31:63/638,447 ~32:25/04/2024

2026/10068 ~ Provisional ~54:GLOBAL DIGITAL VALUE EXCHANGE PROTOCOL AND SYSTEM FOR VERIFIED VALUATION ATTESTATION AND CROSS BORDER TRADING OF PHYSICAL AND DIGITAL

ASSETS USING VALUE SCORE ~71:Makhado Nkhumeleni Rodney, 623 Tshaulu,Tshilaphala, South Africa ~72: Makhado Nkhumeleni Rodney~

2026/10074 ~ Complete ~54:UNIVERSAL CAMPING CHAIR COVER ~71:A M Innovations (Pty) Ltd., PLOT 23, LONDON LANE, BLUE HILLS, South Africa ~72: BOTHMA, Anton~ 33:ZA ~31:2026/03119 ~32:20/03/2026

2026/10077 ~ Complete ~54:A SECURE BLOCKCHAIN-INTEGRATED BIOMETRIC VOTING AUTHENTICATION AND ELECTORAL TRANSPARENCY SYSTEM FOR ELECTRONIC VOTING MACHINES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: CHAVAN, Diksha Kalpesh;PITAMBARE, Shreesh Sadashiv;SHELKE, Priya Makarand;SORTE, Prachi Kamlesh~

2026/10081 ~ Complete ~54:HYBRID HAUL TRUCK ROUTE OPTIMIZATION BASED ON BATTERY CHARGE ~71:FLANDERS ELECTRIC MOTOR SERVICE, LLC, 8101 Baumgart Road, Evansville, United States of America ~72: CHMIEL, Wayne;HAVENS, Brian Curtis~ 33:US ~31:63/649,935 ~32:20/05/2024

2026/10084 ~ Complete ~54:COLLAPSIBLE CONTAINER ~71:SCHOELLER ALLIBERT GMBH, Sacktannen 1, Germany ~72: KELLERER, Richard;VAN DER KORPUT, Max~ 33:EP ~31:24171628.1 ~32:22/04/2024

2026/10089 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR TREATING DEPRESSIVE DISORDERS ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-chome, Chuo-ku, OSAKA-SHI 051-0045, OSAKA, JAPAN, Japan ~72: KOIKE, Yusuke;SUGIYAMA, Yuichi~ 33:US ~31:63/637,337 ~32:22/04/2024;33:US ~31:63/640,771 ~32:30/04/2024;33:US ~31:63/641,890 ~32:02/05/2024;33:US ~31:63/641,908 ~32:02/05/2024;33:US ~31:63/691,572 ~32:06/09/2024;33:US ~31:63/707,311 ~32:15/10/2024;33:US ~31:63/709,014 ~32:18/10/2024;33:US ~31:63/767,686 ~32:06/03/2025;33:US ~31:63/767,812 ~32:06/03/2025

2026/10070 ~ Complete ~54:ANTI-DENGUE VIRUS ANTIBODY AND APPLICATIONS THEREOF ~71:TRINOMAB (SINGAPORE) BIOTECH PTE. LTD., 51 GOLDHILL PLAZA #20-07, Singapore ~72: JIA, Zhenxing;LI, Jiaqi;LIANG, Junlang;LIANG, Yeer;LIAO, Huaxin;LIU, Tong;WANG, Yueming;ZHANG, Fuchun;ZHANG, Wen;ZHENG, Weihong~ 33:CN ~31:2025116887174 ~32:17/11/2025

2026/10082 ~ Complete ~54:FKBP52-DERIVED THERAPEUTIC PEPTIDES THAT INHIBIT PATHOLOGICAL TAU AGGREGATION FOR THERAPEUTIC PURPOSES ~71:INSTITUT PROFESSEUR BAULIEU, 80 Rue du General Leclerc, Bâtiment Pincus, France ~72: BAULIEU, Etienne-Emile;BYRNE, Cillian;CHAMBRAUD, Béatrice;DOUNANE, Omar;GIUSTINIANI, Julien~ 33:US ~31:18/642,615 ~32:22/04/2024

2026/10086 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING OBESITY COMPRISING EXTRACELLULAR VESICLE DERIVED FROM BIFIDOBACTERIUM SPP. STRAIN AS EFFECTIVE INGREDIENT, AND FOOD FOR PREVENTING OR IMPROVING OBESITY ~71:KNU-INDUSTRY COOPERATION FOUNDATION, (Hyoja-dong), 1 Kangwondaehak-gil, CHUNCHEON-SI 24341, GANGWON-DO, REPUBLIC OF KOREA, Republic of Korea;NVIENCE, INC., 6F 615-ho, 366 Hangang-daero, Yongsan-gu, SEOUL 04323, REPUBLIC OF KOREA, Republic of Korea ~72: CHOI, Ki Young;KIM, Jang Il;PARK, Jong-Sung~ 33:KR ~31:10-2024-0039320 ~32:21/03/2024;33:KR ~31:10-2025-0035393 ~32:19/03/2025

2026/10091 ~ Complete ~54:COMPOSITE SHAFT FOR AN IDLER ~71:COMPOSITE CONVEYOR EQUIPMENT COMPANY (PTY) LIMITED, 4 Van Lingen Street, South Germiston Factory Park, Germiston South, South Africa ~72: EICHHORN, Robert Gerd~ 33:ZA ~31:2024/03194 ~32:19/04/2024

2026/10096 ~ Complete ~54:SEQUENCING LIBRARY NORMALIZATION METHODS ~71:WATCHMAKER GENOMICS, INC., 5744 Central Ave., Suite 100, Boulder, Colorado, 80301, United States of America ~72: RANIK, Martin~ 33:US ~31:63/638,254 ~32:24/04/2024

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2026/10098 ~ Provisional ~54:STRETCHER (MEDICAL EQUIPMENT) ~71:DONALD TLABYANE, 48 ALUTA CRESCENT, HOSPITAL VIEW, GAUTENG, South Africa ~72: DONALD TLABYANE~

2026/10113 ~ Complete ~54:ANIMAL DETERRENT DEVICE, SYSTEM, AND METHOD ~71:HVV Investments (Pty) Ltd, Farm Ostrolenka, MS107, Portion 1, MUSINA 0900, SOUTH AFRICA, South Africa ~72: JANSEN VAN VUREN, Henri Pieter~

2026/10124 ~ Complete ~54:MOBILE POWER SUPPLY NEXUS FOR INDUSTRIAL MACHINERY ~71:EQUIPMENT PLACEMENT GROUP PTY LTD, 170 Kewdale Rd, Kewdale, Western Australia 6105, Australia ~72: DISTEFANO, Angelo;MURPHY, Michael~ 33:AU ~31:2024900942 ~32:05/04/2024

2026/10128 ~ Complete ~54:A FLUID MANAGEMENT SYSTEM ~71:AKIN-OLAMITI, Oluwaseyi Ayodeji, NO. 16 ADEYOOLA STREET, IFAKO JAIYE, OJOKORO, LAGOS STATE, NIGERIA, Nigeria ~72: AKIN-OLAMITI, Oluwaseyi Ayodeji~

2026/10132 ~ Complete ~54:MIXTURE OF HMOS AND BIFIDOBACTERIUM LONGUM TRANSITIONAL MICROORGANISM ~71:SOCIÉTÉ DES PRODUITS NESTLÉ S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BOULANGE, Claire Laurence Lucie Marie;CAVIN, Jean-Baptiste;CIARLO, Eleonora;DUBOUX, Stéphane;KWONG CHUNG, Cheong Kwet Choy (William);NOTI, Mario~ 33:EP ~31:24167396.1 ~32:28/03/2024

2026/10135 ~ Complete ~54:PHARMACEUTICAL FORMULATIONS AND MANUFACTURING PROCESSES ~71:SEN-JAM PHARMACEUTICAL INC., 223 Wall Street, #130 Huntington, New York, 11743, United States of America ~72: DAHL, Thomas A;IVERSEN, Jacqueline;MCANANY, David E;PANCHAL, Ashvin;VEPURI, Kiran~ 33:US ~31:63/571,600 ~32:29/03/2024

2026/10103 ~ Provisional ~54:SYSTEM AND METHOD FOR MONITORING ELECTRICAL LOAD ~71:BRONN, Lodewyk, 10 BOLO STREET, MORELETA PARK, 0181, SOUTH AFRICA, South Africa ~72: BRONN, Lodewyk~

2026/10121 ~ Complete ~54:ENCODER AND DECODER ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: BOLTEN, Sebastian;FUCHS, Guillaume;GUPTA, Kishan;MARKOVIC, Goran;MÜLLER, Martin;SAGNOWSKI, Kacper~ 33:EP ~31:PCT/EP2024/057979 ~32:25/03/2024

2026/10133 ~ Complete ~54:RECOMBINANT INFLUENZA VIRUS PROTEIN, VACCINE, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:WESTVAC BIOPHARMA CO., LTD., No. 552 Fenghuang Road, Chengdu Tianfu International Bio-Town, Shuangliu District, Chengdu, Sichuan, 610000, People's Republic of China ~72: WANG, Zhenling;WEI, Xiawei;WEI, Yuquan;YANG, Li;YU, Chaoheng;ZHAO, Zhiwei~ 33:CN ~31:202510709048.8 ~32:29/05/2025

2026/10119 ~ Complete ~54:PLANT AND PROCESS FOR PRODUCING A FIBRE FROM A POLYMER SOLUTION ~71:EVONIK OPERATIONS GMBH, OPERNPLATZ 1, 45128 ESSEN, GERMANY, Germany ~72: BODINGBAUER, Andre;GEHMAIR, Reinhard;KAMAL, Ahmed;KILGUS, Jakob;SCHAUSBERGER, Stefan;STEINHAUSER, Bernhard~ 33:EP ~31:24165819.4 ~32:25/03/2024

2026/10123 ~ Complete ~54:SUBSTITUTED HETEROCYCLIC COMPOUNDS AND THEIR DERIVATIVES AS CBP AND/OR P300 DEGRADERS ~71:AURIGENE ONCOLOGY LIMITED, 39-40, KIADB Industrial Area, Electronic City Phase II, India ~72: ABBINENI, Chandrasekhar;SAMAJDAR, Susanta;TALLURI, Krishna Chaitanya~ 33:IN ~31:202441025578 ~32:28/03/2024

2026/10127 ~ Complete ~54:ORAL IMPLANT POSITIONING DEVICE ~71:THE FIRST PEOPLE'S HOSPITAL OF CHANGDE CITY, No. 818, Renmin Road, Changde, Hunan, People's Republic of China ~72: Zhenhua Dai~ 33:CN ~31:202511937095.4 ~32:22/12/2025

2026/10131 ~ Complete ~54:NOVEL FAK DEGRADER COMPOUNDS AND USES THEREOF ~71:BRISTOL-MYERS SQUIBB COMPANY, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: CASHION, Daniel K.;CUMMINS, Thomas J.;MORENO, Jesus;PERRIN, Sophie M.;PETERS, David S.;PRYTKOVA, Vera;RIGGS, Jennifer R.~ 33:US ~31:63/568,728 ~32:22/03/2024

2026/10105 ~ Provisional ~54:SECURITY DEVICE ~71:DA SERRA, AJG, Unit 23, Wild Teak Estate, Phyllis Street, Montana Park, South Africa ~72: DA SERRA, AJG~

2026/10120 ~ Complete ~54:METHOD FOR PRODUCING A METAL FOAM PRODUCT FROM AN ALUMINIUM-CONTAINING MATERIAL WITH THE AID OF A TOOL MOULD HAVING A MOULD CORE COATED WITH A RELEASE AGENT, AND TOOL MOULD ~71:HAVEL METAL FOAM GMBH, AM MASCHINENHAUS 3, 14774 BRANDENBURG AN DER HAVEL, GERMANY, Germany ~72: SCHULLER, Friedrich~ 33:DE ~31:10 2024 108 747.1 ~32:27/03/2024

2026/10111 ~ Complete ~54:COMPUTER-IMPLEMENTED SYSTEM FOR DYNAMICALLY PROCESSING MULTI-SOURCE DATA ASSOCIATED WITH PSYCHOLOGICAL RESILIENCE IN MIGRANT CHILDREN ~71:FUYANG NORMAL UNIVERSITY, No. 100, Qinghe West Road, People's Republic of China ~72: SUN, Caixia;SUN, Shucun~

2026/10116 ~ Complete ~54:AN INTEGRATED ENERGY-EFFICIENT SYSTEM AND PROCESS FOR PRODUCTION OF BIOFUEL FROM BIOMASS THROUGH INTERNAL RECOVERY AND REUSE OF PROCESS HEAT AND PROCESS WATER ~71:AVANTIKA SAHA, 43/3087, SUBHASH NAGAR, KUKRIPARA, NEAR DUDHADHARI MATH, RAIPUR CITY, RAIPUR, CHATTISGARH, India;DEEPAK SINGH, RAMPUR URF RUDAPUR JAGATPUR, PRAYAGRAJ, UTTAR PRADESH, India;DR. ANJALI PRIYA, DEPARTMENT OF BIOTECHNOLOGY & BIOENGINEERING, SCHOOL OF BIOSCIENCES & TECHNOLOGY, GALGOTIAS UNIVERSITY, GREATER NOIDA, UTTAR PRADESH, India;DR. GAURAV KUMAR, DEPARTMENT OF BIOTECHNOLOGY & BIOENGINEERING, SCHOOL OF BIOSCIENCES & TECHNOLOGY, GALGOTIAS UNIVERSITY, GREATER NOIDA, UTTAR PRADESH, India;DR. PRATICHI SINGH, MKC, LNMU, DARBHANGA, BIHAR, India;DR. RAJNEESH DWIVEDI, KASHI NARESH UNIVERSITY, BHADOHI, UTTAR PRADESH, India;DR. SUMEDHA MUKHERJEE, DEPARTMENT OF BIOTECHNOLOGY & BIOENGINEERING, SCHOOL OF BIOSCIENCES & TECHNOLOGY, GALGOTIAS UNIVERSITY, GREATER NOIDA, UTTAR PRADESH, India;SHIV NANDAN, MOHALLA-SHIVAJI NAGAR, BEHIND MJP ROHILKHAND UNIVERSITY (DOHRA GAUNTIYA), BAREILLY, UTTAR PRADESH, India ~72: AVANTIKA SAHA;DEEPAK SINGH;DR. ANJALI PRIYA;DR. GAURAV KUMAR;DR. PRATICHI SINGH;DR. RAJNEESH DWIVEDI;DR. SUMEDHA MUKHERJEE;SHIV NANDAN~ 33:IN ~31:202611094596 ~32:04/08/2026

2026/10126 ~ Complete ~54:A MODIFIED PLASTIC BOTTLE-BASED INSTRUMENT FOR DETECTING THE CLARITY OF EYE DROPS ~71:Hefei Technology College, No. 2, Daihe Road, Xinzhan District, Hefei City, Anhui Province, People's Republic of China ~72: Bai Luyu;Fan Gaofu;Fan Qingjie;Gao Yingying;Liu Xiushu;Wan Shan;Wu Dan;Xu Zhenguo;Yang Zexing~

2026/10109 ~ Complete ~54:APPARATUS AND METHOD FOR CONVERTING LIQUID BUOYANCY INTO MECHANICAL ENERGY ~71:Wenyou Sun, Room 101, Unit A2, No. 249 Ningxia Road, Shinan Dist., Qingdao, Shandong, People's Republic of China ~72: Wenyou Sun~

2026/10117 ~ Complete ~54:METHODS FOR DIAGNOSING ADVANCED LIVER FIBROSIS OR LIVER CIRRHOSIS ~71:GENFIT, 885 AVENUE EUGÈNE AVINÉE, 59120 LOOS, FRANCE, France ~72: ALARD, Bérénice;CARON, Alexandra;DEHORNOIS, Morgane;MAGNANENSI, Jérémy;MAJD, Zouher~ 33:EP ~31:24305457.4 ~32:26/03/2024

2026/10107 ~ Provisional ~54:A READ-ONLY SYSTEM AND METHOD FOR DETECTING, VALIDATING, RANKING AND AUDITABLY RECORDING OPERATIONAL ISSUES IN AN INDUSTRIAL PLANT ~71:Kabelo Mosotho, 13 cheetah weg, South Africa ~72: Kabelo Mosotho;Mohale Kitso Mpesi~

2026/10106 ~ Provisional ~54:ELECTRONIC DEVICE, SYSTEM AND METHOD FOR THE DISCRETE ACTIVATION OF AN EMERGENCY ALERT TO RECIPIENTS ~71:KUMBULA TECHNOLOGIES (PTY) LTD., 11033 Makabeni Street, Orlando West Ext., SOWETO 1804, Gauteng, SOUTH AFRICA, South Africa ~72: MONNAKGOTLA, Jacqueline Nyasha Tiisetso~

2026/10108 ~ Complete ~54:A METHOD FOR ENHANCING THE MAILLARD REACTION TO PROMOTE HUMUS FORMATION IN SOIL ~71:Kunming University of Science and Technology, 727 Jingming South Road, University Town, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: Jinsuo Li;Luping Tian;Xinyao Li;Yiwen Chen;Zhaofeng Chang;Zicong Fanxiang~ 33:CN ~31:202610160838.X ~32:04/02/2026

2026/10101 ~ Provisional ~54:A PROMPTING TOOL ~71:PRESTON, Debra, Jane, 4 WEAVER CRESCENT, EAGLE RIDGE ESTATE, 5 CURRIES POST ROAD, HOWICK, 3290, SOUTH AFRICA, South Africa ~72: PRESTON, Debra, Jane~

2026/10110 ~ Complete ~54:A METHOD FOR OBTAINING GEOCHEMICAL PROSPECTING INDICATORS FOR PORPHYRY-TYPE MINERAL DEPOSITS BASED ON BIG DATA MINING ~71:Kunming University of Science and Technology, Kunming University of Science and Technology (Lianhua Campus), No. 68, Wenchang Road, 121 Avenue, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: Cong Luo;Lianshuang Huo;Liurunxuan Chen;Na Zhang;Ruifen Zhao;Xianchao Chen;Xuan Liu;Xuelong Liu;Yafeng Deng;Zhipeng Li;Zhiqi Mang~ 33:CN ~31:202512009788.3 ~32:29/12/2025

2026/10114 ~ Complete ~54:ACTIVIN RECEPTOR TYPE IIA VARIANTS AND METHODS OF USE THEREOF ~71:KEROS THERAPEUTICS, INC., 99 Hayden Avenue, Suite 120 (Bldg. E), Lexington, Massachusetts, 02421, United States of America ~72: LACHEY, Jennifer;SEEHRA, Jasbir S~ 33:US ~31:62/669,075 ~32:09/05/2018;33:US ~31:62/702,735 ~32:24/07/2018

2026/10118 ~ Complete ~54:METHOD FOR PRODUCING A METAL FOAM PRODUCT FROM AN ALUMINIUM-CONTAINING MATERIAL WITH THE AID OF A TOOL MOULD COATED IN SOME PORTIONS WITH A RELEASE AGENT, AND TOOL MOULD ~71:HAVEL METAL FOAM GMBH, AM MASCHINENHAUS 3, 14774 BRANDENBURG AN DER HAVEL, GERMANY, Germany ~72: SCHULLER, Friedrich~ 33:DE ~31:10 2024 108 745.5 ~32:27/03/2024

2026/10136 ~ Complete ~54:TROLLEY FOR AN ENERGY STORAGE AND DELIVERY SYSTEM ~71:ENERGY VAULT, INC., 4165 East Thousand Oaks Boulevard, Suite 100, Westlake Village, California 91362, United States of America ~72: PEDRETTI, Andrea~ 33:US ~31:63/655,437 ~32:03/06/2024

2026/10100 ~ Provisional ~54:NEROS (NOVA ECO-RESILIENCE OPERATING SYSTEM) ~71:Nova Terra (Pty) Ltd, 51 Vos Street, South Africa ~72: Manqoba Terence Masilela~

2026/10102 ~ Provisional ~54:INTEGRATED VERTICAL CLOSED-LOOP BIO-REFINERY FACILITY FOR MULTI-DISCIPLINARY WORK INTEGRATED LEARNING (WILCARE) AND CIRCULAR AGRITECH PRODUCTION. ~71:Christiaan Hartzenberg, 108 Adam Tas Avenue, Belhar, South Africa ~72: Christiaan Hartzenberg~

2026/10104 ~ Provisional ~54:CIRCLE AR ~71:Gugulethu Khethiwe Mkhwanazi, 928 Sagwityi Street Commercia ext34 Midrand, South Africa ~72: Gugulethu Khethiwe Mkhwanazi~

2026/10115 ~ Complete ~54:ZERO-BACKFLOW-POWER MODULATION AND LARGE-SIGNAL DECOUPLING CONTROL METHOD FOR AN ISOP-DAB CONVERTER ~71:EAST CHINA JIAOTONG UNIVERSITY, NO. 808 SHUANGGANG EAST STREET, ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, NANCHANG CITY, People's Republic of China ~72: CAI, Zhichao;CHENG, Hongbo;DENG, Fangming;GAO, Bo;HU, Wenhua;LI, Shanglong;LI, Zewen;WEI, Baoquan;YU, Xiaosi;YUAN, Yisheng;ZHANG, Yu~ 33:CN ~31:2026113424531 ~32:01/09/2026

2026/10122 ~ Complete ~54:METHODS FOR DIAGNOSING ADVANCED LIVER FIBROSIS OR LIVER CIRRHOSIS ~71:GENFIT, 885 AVENUE EUGÈNE AVINÉE, 59120 LOOS, FRANCE, France ~72: ALARD, Bérénice;CARON, Alexandra;DEHORNOIS, Morgane;MAGNANENSI, Jérémy;MAJD, Zouher~ 33:EP ~31:24305448.3 ~32:25/03/2024

2026/10130 ~ Complete ~54:INCLUSION COMPLEX COMPRISING A P2X7 RECEPTOR ANTAGONIST AND A CYCLODEXTRIN ~71:REMICINE IP B.V., Leeghwaterweg 1b, VELSEN-NOORD 1951NA, THE NETHERLANDS, Netherlands ~72: KALKEN, Coenraad van;MARCUCCIO, Sebastian;OOSTWOUDER, Cornelis Jan~ 33:GB ~31:2404125.3 ~32:22/03/2024

2026/10134 ~ Complete ~54:DIFAMILAST-CONTAINING COMPOSITION ~71:OTSUKA PHARMACEUTICAL CO., LTD., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, Tokyo, 1018535, Japan ~72: IKEDA, Hiroshi;MATSUDA, Takakuni;MATSUMOTO, Kengo;MIWA, Yasushi~ 33:JP ~31:2024-087458 ~32:29/05/2024

2026/10112 ~ Complete ~54:MAGNETIC AND PRESSURE SENSING JOYSTICK/THUMB STICK ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central,, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes Jr.;WOLMARANS, Wikus~ 33:ZA ~31:2025/09475 ~32:10/11/2025

2026/10125 ~ Complete ~54:CO-PYROLYSIS OF BIOMASS AND MINERAL RAW MATERIALS ~71:CARBON INSTEAD UG (HAFTUNGSBESCHRÄNKT), Kottbusser Damm 68, Germany;FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastraße 27c, Germany ~72: ENGELS, Katharina;KAISER, Christian;MAIER, Matthias;ROTH, Julia~ 33:DE ~31:10 2024 108 901.6 ~32:28/03/2024

2026/10129 ~ Complete ~54:STREET LAMP DEVICE INTEGRATING EMERGENCY CHARGING INTERFACE FOR NEW ENERGY VEHICLES ~71:Fan Wang, Tangshan Street Lamp Management Office, No. 24 North Weiguo Road, Lubei District,, Tangshan, Hebei, 063000, People's Republic of China ~72: Fan Wang~

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2026/10147 ~ Complete ~54:AN IOT-BASED INTELLIGENT SOIL MONITORING AND ADAPTIVE IRRIGATION SYSTEM USING MULTI-SENSOR DATA FUSION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL

NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: DAQALE, Prasad Ashok;DAREKAR, Sahil Vinod;DEOGAONKAR, Soham;DEOKAERL, Arjun Bhagwat;SABLE, Sunil Satwaji~

2026/10173 ~ Complete ~54:ENCODING METHOD, DECODING METHOD, BITSTREAM, ENCODER, DECODER, AND STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, People's Republic of China ~72: XU, Luhang~

2026/10144 ~ Complete ~54:ENCODING METHOD, DECODING METHOD, BITSTREAM, ENCODER, DECODER AND STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No.18 Haibin Road Wusha Chang'an, Dongguan, Guangdong, 523860, People's Republic of China ~72: HUO, Junyan;LI, Ming;MA, Yanzhuo;QIAO, Wenhan;YANG, Fuzheng~ 33:CN ~31:202310141452.0 ~32:19/01/2023

2026/10150 ~ Complete ~54:A SYSTEM FOR PRIVACY-PRESERVING ENGAGEMENT ANALYSIS IN ONLINE MEETINGS USING ATTENTION TRACKING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BADADHE, Sunita Milind;GAJARE, Omkar Ashok;GAMBHIR, Aniket Abasaheb;GANDHI, Huzefa Yusuf;GANGURDE, Sai Jayawant~

2026/10160 ~ Complete ~54:MULTI-PURPOSE DRAWING DEVICE FOR MATHEMATICAL TEACHING ~71:ANQING NORMAL UNIVERSITY, No. 1318 Jixian North Road,Yixiu District, Anqing City, Anhui Province, 246052, People's Republic of China ~72: HU Xiang;SHU Axiu;WAN Jinlong;YANG Rui~ 33:CN ~31:2024119915148 ~32:31/12/2024

2026/10168 ~ Complete ~54:AGONISTS OF PARATHYROID HORMONE 1 AND INCRETIN RECEPTORS COMPRISING SUBSTITUTED OR MODIFIED DIAMINOMETHYLENE PYRIMIDINE-2,4,6-TRIONES ~71:SEPTERNA, INC., 250 East Grand Avenue, Suite 65, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: ALBERT, Vincent;BOUAYAD-GERVAIS, Samir;COLWELL, Curtis Eugene;DU, Xiaohui;EWING, Todd J. A.;LAROUCHE-GAUTHIER, Robin;LEBLANC, Melissa;MCKERRALL, Steven J.;SALVANT, Justin~ 33:US ~31:63/637,989 ~32:24/04/2024;33:US ~31:63/706,308 ~32:11/10/2024

2026/10140 ~ Provisional ~54:INTEGRATED REACTOR-CLARIFIER WITH INTERNAL SOLIDS RECIRCULATION AND CONTROLLED HYDRAULIC SEPARATION OF MIXING AND CLARIFICATION ZONES ~71:UNIVERSITY OF SOUTH AFRICA, Muckleneuk Campus, Theo van Wyk Building, PRETORIA 0001, SOUTH AFRICA, South Africa ~72: MAREE, Johannes Philippus;RAPETA, Mokgadi Gladness~

2026/10151 ~ Complete ~54:AN INTELLIGENT VOICE-COMMAND EXECUTION SYSTEM USING FUZZY MATCHING FOR LOCAL APPLICATION AND FILE CONTROL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: ANTAD, Sonali Mallinath;AWADHANE, Sharvari;BHAGAT, Chaitanya;BHARSAKALE, Pratigya;BORKAR, Bani;GHUGE, Kalyani S.~

2026/10156 ~ Complete ~54:PASSIVE HUMIDIFYING BREATHING DEVICE ~71:ABDULLA, Zain, 17 Mark Avenue, NORTHCLIFF, Randburg 2195, Gauteng, SOUTH AFRICA, South Africa ~72: ABDULLA, Zain~

2026/10162 ~ Complete ~54:METHOD FOR TREATING HEMOPHILIA B ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72:

ALEKSANDROV, Aleksei Aleksandrovich;EREMEEVA, Anna Viktorovna;KUKSGAUZ, Ilona Aleksandrovna;LINKOVA, Iuliia Nikolaevna;LUTSKII, Anton Aleksandrovich;MOROZOV, Dmitry Valentinovich;OGANOVA, Marina Albertovna;USTIUGOV, Iakov Iurevich;VINOGRADOVA, Elena Vladimirovna;ZINKINA-ORIKHAN, Arina Valerevna~ 33:RU ~31:2024117403 ~32:24/06/2024

2026/10165 ~ Complete ~54:CONDITION MONITORING FOR A ROCK DRILLING ARRANGEMENT DESCRIPTION OF BACKGROUND ~71:SANDVIK MINING AND CONSTRUCTION OY, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HIETAKARI, Teemu;HONGELL, Teemu;LOIMUSALO, Mikko~ 33:EP ~31:24175673.3 ~32:14/05/2024

2026/10170 ~ Complete ~54:WOUND DRESSING ~71:T. J. SMITH AND NEPHEW, LIMITED, PO Box 81, 101 Hessle Road, HULL HU3 2BN, UNITED KINGDOM, United Kingdom ~72: EARL, Michael James;HAMMOND, Victoria Jody;LILLEY, Emma Victoria;MIDDLETON, Natasha Rose~ 33:GB ~31:2407816.4 ~32:03/06/2024

2026/10172 ~ Complete ~54:A METHOD OF REFINING PLATINUM GROUP METAL ~71:JOHNSON MATTHEY PUBLIC LIMITED COMPANY, HQ Building, Orchard Road, ROYSTON SG8 5HE, HERTFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: TURTON, Mark David;WILLIS, Brian~ 33:GB ~31:2409482.3 ~32:01/07/2024

2026/10139 ~ Provisional ~54:A UNIVERSAL VEHICLE SECURITY AND ANTI-HIJACKING ARCHITECTURE UTILIZING NETWORK-LAYER FILTER MASKS AND STANDSTILL ENGINE ISOLATION ~71:ELS SOLUTIONS (PTY) LTD, 57 MOKGAPA STREET, South Africa ~72: ELS SOLUTIONS (PTY) LTD;SAMUEL HLEKANI MAKHUBELE~ 33:ZA ~31:PENDING ~32:21/10/2026

2026/10146 ~ Complete ~54:A MULTI-AGENT BASED SYSTEM FOR INTELLIGENT INVOICE PROCESSING AND FINANCIAL RISK ANALYTICS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BANIT, Satish S;DESHMUKH, Anurag Sumant;KODGIRWAR, Parth Venkatesh;KOKANE, Chandrakant D.;KUMAR, Ashish;PISE, Ganesh;SHARMA, Arth Amit;SHRIVASTAV, Anish Kumar~

2026/10153 ~ Complete ~54:A BLOCKCHAIN-BASED EVENT TICKETING SYSTEM USING PNFT MINTING AND DECENTRALIZED STORAGE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: KALAMKAR, Asmita Balasaheb;KOTAAIRE, Mrudula Mahesh;MANE, Sumit Purushottam;MEHAKARE, Nihar Ravindra;MENDGULE, Apurva Nagnath;NAIR, Adish Shivaprasad~

2026/10169 ~ Complete ~54:PROCESSES OF MAKING CSF-1R INHIBITORS AND METHODS OF USE THEREOF ~71:DECIPHERA PHARMACEUTICALS, LLC, 200 Smith Street, WALTHAM 02451, MA, USA, United States of America ~72: GELORMINI, Ann;KAUFMAN, Michael D.;KOSTIK, Elena~ 33:US ~31:63/641,022 ~32:01/05/2024

2026/10154 ~ Complete ~54:A POWER THEFT DETECTION AND ANOMALY ANALYSIS SYSTEM WITH SECURE EVENT LOGGING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BADADHE, Sunita;GURAV, Srushti;JAIN, Heemanshu;KONDE, Heramb;SARTHAK Hange~

2026/10166 ~ Complete ~54:CSF-1R INHIBITORS AND METHODS OF USE THEREOF ~71:DECIPHERA PHARMACEUTICALS, LLC, 200 Smith Street, WALTHAM 02451, MA, USA, United States of America ~72: GELORMINI, Ann;KAUFMAN, Michael D.;KOSTIK, Elena~ 33:US ~31:63/641,028 ~32:01/05/2024

2026/10155 ~ Complete ~54:A REAL-TIME CONSTRUCTION SITE SAFETY MONITORING SYSTEM USING COMPUTER VISION AND DEEP LEARNING FOR AUTOMATED PPE COMPLIANCE DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHMARE, Chinmay;LUNAWAT, Unnati Naginchand;PATIL, Shreya;PATIL, Swati Bula;SHRIGIRI, Sneha Santosh;WNAKHEDE, Disha Sushant~

2026/10157 ~ Complete ~54:A FINANCIAL TRANSACTION SYSTEM AND METHOD ~71:HONEYWELL, Sean William, 161 Falcon Crescent, Brettenwood Coastal Estate, Sheffield Beach Main Road, Sheffield Beach, Durban 4390, SOUTH AFRICA, South Africa ~72: HONEYWELL, Sean William~ 33:ZA ~31:2018/08490 ~32:18/12/2018

2026/10161 ~ Complete ~54:MONOCLONAL ANTIBODY TO TSLP AND USE THEREOF ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: BALASHOVA, Olga Nikolaevna;BARTOSH, Uliana Ivanovna;DORONIN, Aleksandr Nikolaevich;KHARITONOVA, Iana Vladimirovna;KOZLOVA, Ekaterina Sergeevna;KUZMINKOVA, Anastasiia Andreevna;MOROZOV, Dmitry Valentinovich;MUKHUTDINOVA, Renata Rustamovna;NIKANOROVA, Marina Valerievna;TRUDOVISHNIKOVA, Anna Aleksandrovna;VINOGRADOVA, Elena Vladimirovna;ZVEZDOVA, Daria Sergeevna~ 33:RU ~31:2024116242 ~32:13/06/2024

2026/10178 ~ Complete ~54:SYSTEMS AND METHODS FOR PERFUSING AN ORGAN ~71:O-PAD IRELAND LP, 70 Sir John Rogerson’s Quay, Dublin 2, Ireland ~72: BERGLUND, Erik~ 33:US ~31:63/642,312 ~32:03/05/2024

2026/10180 ~ Complete ~54:NUCLEIC ACIDS FOR VACCINATION ENCODING ANTIGEN-DISPLAYING PROTEIN NANOPARTICLES ~71:BAVARIAN NORDIC A/S, Philip Heymans Alle 3, 2900 Hellerup, Denmark ~72: BROD, Florian;HINTERBERGER, Maria;RAMBICHLER, Stephan;STEIGERWALD, Robin;XU, Zhiyong~ 33:EP ~31:24176755.7 ~32:17/05/2024

2026/10143 ~ Complete ~54:DRILL BIT FOR COAL MINE GAS EXPLORATION AND DRAINAGE BOREHOLES ~71:Sanmenxia Longwangzhuang Coal Industry Co., Ltd., Longwangzhuang Coal Mine, Zhaiyan Village, Yinghao Town, Mianchi County, Sanmenxia City, Henan Province, People's Republic of China ~72: CHEN Can;FAN Tengyuan;HAN Chao;HOU Longchao;HU Dianbo;JIANG Mingxing;LI Shengnan;SONG Shaodong;SU Dongyi;TANG Qihui;WANG Haiyun;WANG Shuyong;WEI Conglin;XU Xiaowei;ZHANG Hongxu;ZHANG Qin~

2026/10149 ~ Complete ~54:SYSTEM AND METHOD FOR QUANTUM-RESISTANT AUTHENTICATION AND CONTINUOUS ACCESS AUTHORIZATION IN A ZERO TRUST ARCHITECTURE ~71:Nandan Sharma, BC Public Service, 104-450 Simcoe Street, Victoria, BC, V8V 1L4, Canada ~72: Nandan Sharma~

2026/10158 ~ Complete ~54:IN-SITU ROCK FORMATION IDENTIFICATION METHOD BASED ON PHYSICS-INFORMED MACHINE LEARNING AND APPLICATION THEREOF ~71:CENTRAL SOUTH UNIVERSITY, No. 932 Lushan South Road, Changsha City, People's Republic of China;CHANGSHA INSTITUTE OF MINING RESEARCH CO., LTD, No.343 Lushan South Road, Yuelu District, People's Republic of China ~72: CAO, Rihong;CHEN, Weizhong;FU, Xu;LI, Ruxiao;LIU, Bo;QIU, Xianyang;SHEN, Wenbo;WANG, Ziyi~ 33:CN ~31:2025119197081 ~32:18/12/2025

2026/10163 ~ Complete ~54:AUTOMATED ASSEMBLY PRODUCTION LINE FOR AN ELECTRIC MOTOR ~71:Zhejiang Jinlong Electrical Machinery Stock Co., Ltd., No. 999, Jinqing Avenue West, Jinqing Town, Luqiao District,Taizhou City, Zhejiang Province, China, Taizhou, People's Republic of China ~72: Linghui PAN;Mengkang ZOU;Weiwei YE~ 33:CN ~31:CN202411535764.0 ~32:31/10/2024

2026/10171 ~ Complete ~54:TRANSGENIC COTTON EVENT GH_CSM63718 AND COMPOSITIONS AND METHODS FOR DETECTION AND USES THEREOF ~71:MONSANTO TECHNOLOGY LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: BROWN, Sarah;GAO, Zhihuan;KOCZAN, Jessica;KREBEL, Brian;PAN, Aihong;QI, Qungang;RYMARQUIS, Linda;WEI, Xiaoping~ 33:US ~31:63/656,474 ~32:05/06/2024

2026/10174 ~ Complete ~54:ENCODING METHOD, DECODING METHOD, CODE STREAM, ENCODER, DECODER, AND STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, People's Republic of China ~72: ZHANG, Lai~

2026/10176 ~ Complete ~54:PREPARATION OF A RALOXIFENE HYDRATE FOR CANCER AND OSTEOPOROSIS THERAPY ~71:SEFAKO MAKGATHO HEALTH SCIENCES UNIVERSITY, Molotlegi Street, Ga-Rankuwa, Gauteng, 0204, South Africa ~72: KIYONGA, Emmanuel;MADAN, Poka;WITIKA , Bwalya Angel~ 33:ZA ~31:2024/02995 ~32:18/04/2024

2026/10177 ~ Complete ~54:USE OF CRF2 RECEPTOR AGONIST AND ACYLATED CONJUGATE THEREOF ~71:HANMI PHARM. CO., LTD., 214 Muha-ro, Paltan-myeon, Manse-gu, Hwaseong-si, Gyeonggi-do, 18536, Republic of Korea ~72: HAN, Seung Su;IM, Hyeon Joo;KIM, Eun Seon;KIM, Jung Kuk;LEE, Seon Myeong;PARK, Jong Seo~ 33:KR ~31:10-2024-0058193 ~32:30/04/2024;33:KR ~31:10-2024-0058480 ~32:02/05/2024

2026/10138 ~ Provisional ~54:METHOD AND SYSTEM FOR ACQUIRING BRAILLE CHORDS FROM CAPACITIVE INPUT ~71:Mindora Corporation (Private) Limited, 11711 Timire Park, Ruwa, HARARE 24151, ZIMBABWE, Zimbabwe ~72: CHIDAU, Devine;CHIKOROMO, Sean;MARIMO, Delvin;MUCHINEUTA, Gladman~

2026/10141 ~ Provisional ~54:WIRELESS DETONATOR WITH BATTERY MODULE ~71:DETNET SOUTH AFRICA (PTY) LTD, No 1 Pinelands Business Park, Maxwell Drive, South Africa ~72: DE VILLIERS-KOK, Kari~

2026/10164 ~ Complete ~54:DIAMOND AND CEMENTED CARBIDE COMPOSITE MATERIAL ~71:SANDVIK MINING AND CONSTRUCTION TOOLS AB, Valsverksstråket 14, SANDVIKEN 811 34, SWEDEN, Sweden ~72: DE FLON, John;GRENMYR, Gustav;MCKEACHNIE, Clint;MÅRTENSSON, Malin;SUNDSTRÖM, Johan~ 33:US ~31:63/658,013 ~32:10/06/2024;33:EP ~31:24185188.0 ~32:28/06/2024

2026/10167 ~ Complete ~54:SPIROCYCLE-CONTAINING DIAMINOMETHYLENE PYRIMIDINE-2,4,6-TRIONE AGONISTS OF PARATHYROID HORMONE 1 AND INCRETIN RECEPTORS ~71:SEPTERNA, INC., 250 East Grand Avenue, Suite 65, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: ALBERT, Vincent;BOUAYAD-GERVAIS, Samir;COLWELL, Curtis Eugene;DU, Xiaohui;EWING, Todd J. A.;GIBBONS, Paul;LAROUCHE-GAUTHIER, Robin;LI, Zhengnian;RAJAPAKSA, Naomi;SALVANT, Justin;WEISS, Dahlia Ruth~ 33:US ~31:63/638,019 ~32:24/04/2024;33:US ~31:63/706,474 ~32:11/10/2024;33:US ~31:63/752,529 ~32:31/01/2025

2026/10179 ~ Complete ~54:ADHESIVE COSMETIC COMPOUNDS AND USES THEREOF ~71:SKINOSIVE, 12-14 rue Jean Antoine de Baïf 75013 Paris, France ~72: AINIE, Lise;BERTRAND, Juliette;CANOLLE, Benoit;KESSACI, Maora;MAKREROUGRAS, Mehdi;POULETTY, Philippe;RAULT, Isabelle~ 33:EP ~31:24305672.8 ~32:30/04/2024;33:US ~31:63/640,267 ~32:30/04/2024

2026/10145 ~ Complete ~54:A SYSTEM FOR REAL-TIME CYBERBULLYING DETECTION AND CONVERSATIONAL ESCALATION RISK PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BALGUDE, Mayur;HADGE, Gaurav;KOTHAWADE, Om;PATIL, Swati Bula;RATHI, Snehal Rahul;TAGALPALLEWAR, Atharva~

2026/10148 ~ Complete ~54:AN AI BASED SMART URBAN HEAT MONITORING AND MITIGATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: ANEKAR, Aishwarya Hanmant;ASANE, Durga Babasaheb;JAGTAP, Akash Dipak;KARNAWAT, Siddhant Sandesh;KODMEKWAR, Manohar K.;PATIL, Swati Bula~

2026/10181 ~ Provisional ~54:ELECTRONIC LICENSE PLATE DEVICE ELD ~71:FINISHING TOUCH TRADING 153 PTY LTD. REG No 2005/013299/07, NO.45-30th AVE ELSIES-RIVER WESTERN CAPE, South Africa ~72: ROSS, CLINT DAMIAN~

2026/10142 ~ Complete ~54:METHOD AND APPARATUS FOR REAL-TIME GENERATION OF MEETING MINUTES OFFICE AND TASK TRACKING IN SMART ~71:HANGZHOU SHENGMIN SOFTWARE CO., LTD., ROOM 5-9-6, BUILDING 2, NO.378 JIN'ER ROAD, NINGWEI SUB-DISTRICT, XIAOSHAN DISTRICT, HANGZHOU, ZHEJIANG, 310000, People's Republic of China ~72: PENG Tao~ 33:CN ~31:202611220008.8 ~32:12/08/2026

2026/10152 ~ Complete ~54:A WEARABLE SYSTEM FOR REAL-TIME CARDIAC RISK PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India;VISHWAKARMA UNIVERSITY, SURVEY NO 2 3, 4, KONDHWA MAIN RD, LAXMI NAGAR, BETAL NAGAR, KONDHWA, PUNE, MAHARASHTRA, 411048, India ~72: BHOITE, Sonali;BHOPALE, Aryan Shivaji;BOGE, Prathmesh Laxman;FUTANE, Pravin R;MAGAR, Hanmant;MIRAJKAR, Riddhi R.;PATIL, Arpita Sandip;Sontakke, Prashant Nitin~

2026/10159 ~ Complete ~54:DRILLING FLUID CONTAINING A CLAY/SHALE INHIBITOR, AND METHODS OF USING SAME ~71:IMDEX TECHNOLOGIES PTY LTD, 216 Balcatta Road, Balcatta, Australia ~72: BUCCINI, Marco~ 33:AU ~31:2024901305 ~32:06/05/2024

2026/10175 ~ Complete ~54:SMALL ZWITTERIONIC MULTIMERIC TARGETED DRUGS AND METHODS OF USE AND MANUFACTURE THEREOF ~71:CURADEL SURGICAL INNOVATIONS, INC., 11 Erie Drive, Natick, Massachusetts 01760, United States of America ~72: FRANGIONI, John V~ 33:US ~31:63/648,305 ~32:16/05/2024;33:US ~31:63/658,121 ~32:10/06/2024;33:US ~31:63/724,707 ~32:25/11/2024;33:US ~31:63/767,817 ~32:06/03/2025;33:US ~31:63/770,120 ~32:11/03/2025

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

No records available

CHANGE OF NAME IN TERMS OF REGULATION 39

No records available

PATENT LICENSES IN TERMS OF SECTION 53 (7)-REGULATIONS 62 AND 63

No records available

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

No records available

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 **CANCHEAL (PTY) LTD,** whose address for service is **SMIT & VAN WYK, Inc, PRETORIA** has applied to the registrar for the restoration of Patent No **2018/05595** entitled **TREATMENT OF SKIN CANCER** dated **22/08/2018**, which lapsed on **22/08/2021** 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 hereof.

Notice is hereby given that **LEONTEV, Sergei Nikolaevich,** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2023/06367** entitled **SHOOTING RANGE** dated **26/11/2021**, which lapsed on **26/11/2024** 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 hereof.

Notice is hereby given that **TSHEPO NDLOVU.** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2020/04411** entitled **PET FEEDING DEVICE** dated **21/09/2018**, which lapsed on **21/09/2025** 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 hereof.

THE PATENTS ACT, No. 57 OF 1978

SURRENDER OF A PATENT 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: CASPER COMBRINK INVESTMENTS (PTY) LTD., 17 Pittsburg Road, Apex, Benoni, 1501, South Africa. Permission to amend the specification of letters patent no: **2025/02444** of **20/03/2025 FOR ELECTROPLATING PROCESS.**

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. **(DA)** 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: 2010/05851. 22: 2010/08/16. 43: 2026/07/28
51: A61B; A61F
71: Depuy International Ltd, Johnson & Johnson Medical GMBH, Mako Surgical Corp.
72: ASHBY, Alan, BORNFLETH, Harald, BOWES, Michael Anthony, SCOTT, Ian Michael, SLOMCZYKOWSKI, Michal, VINCENT, Graham Richard
33: GB 31: 0803514.9 32: 2008-02-27
54: CUSTOMISED SURGICAL APPARATUS
00: -
A method for producing a customised surgical instrument or prosthesis for a specific patient is described. At least-one x-ray image of a body part of the patient is captured. A statistical model having a dense set of 'anatomical correspondence points across the model is instantiated using image data derived from the at least one x-ray image to generate a patient specific model of the body part having a high accuracy surface. Patient specific data from the patient specific model is used to generate a design of the customised^ surgical instrument or prosthesis for use in a surgical procedure to be carried out on the body part. The surgical instrument or prosthesis is then manufactured using the design. A computer implemented method for generating the patient specific model of the body part is also described.

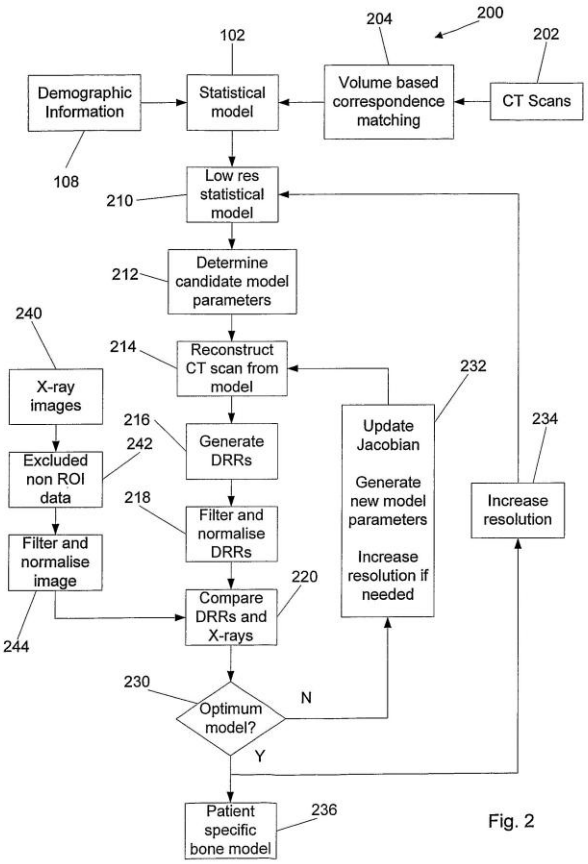
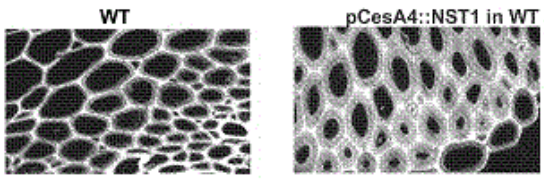


Fig. 2

21: 2013/05573. 22: 2013/07/23. 43: 2026/08/18
51: C07H, C12N
71: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
72: LOQUE, DOMINIQUE, SCHELLER, HENRIK VIBE
33: US 31: 61/437,569 32: 2011-01-28
54: SPATIALLY MODIFIED GENE EXPRESSION IN PLANTS
00: -
The invention provides methods of engineering plants having lignin deposition or xylan deposition that is substantially localized to the vessels of xylem tissue in the plant. The invention also provides methods of engineering plants to increase

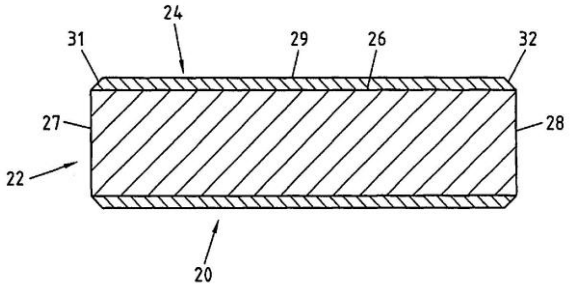
production of a desired biosynthetic product, e.g., to have increased secondary cell wall deposition or increased wax/cutin accumulation. The engineered plants of the present invention have use in bioenergy production, e.g., by improving the density and the digestibility of biomass derived from the plant and to improve water usage requirements.

Fig. 32A. Density loop *pCesA4::NST1* in wild type Arabidopsis (dicot)



Cell wall densification strategy in Arabidopsis wild type plants (dicotyledon)
UV images of stem cross sections from wildtype and wildtype containing the pCesA4::NST1 DNA construct. The creation of a positive feedback loop with the secondary cell wall cellulose promoter (pCesA4) and the secondary cell wall transcription factor (NST1) enhances secondary cell wall deposition in fiber cells.

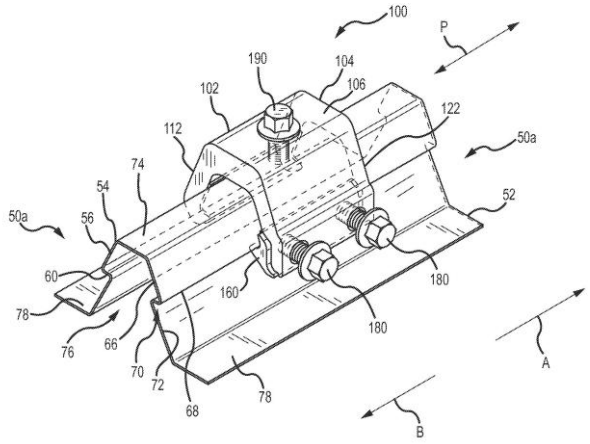
21: 2014/09047. 22: 2014/12/09. 43: 2026/08/03
51: B27J; B29C; B32B; B65D; C08L
71: Vinventions USA, LLC
72: AAGAARD, Olav Marcus, BOST, Damon James, DAVIDTS, Sandra, THOMPSON, Malcolm Joseph, GLASGOW, Katherine Campbell
33: US 31: 61/762,569 32: 2013-02-08
54: CLOSURE FOR A PRODUCT-RETAINING CONTAINER
00: -
The disclosure relates to a synthetic closure (20) for a product- retaining container constructed for being inserted and securely retained in a portal-forming neck of said container, said closure comprising at least a core member (22) comprising at least one thermoplastic polymer, and at least one peripheral layer (24) at least partially surrounding and intimately bonded to at least one surface of the core member, said peripheral layer comprising at least one thermoplastic polymer, wherein the synthetic closure is formed by extrusion, and at least one of the core member and the peripheral layer comprises a plurality of cells, and wherein the synthetic closure comprises cork powder.



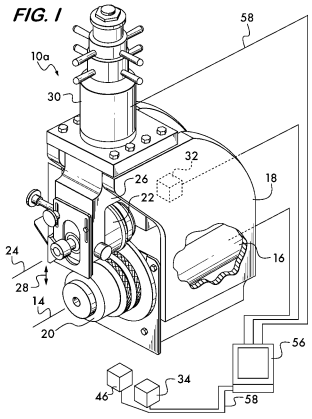
21: 2015/00162. 22: 2015/01/09. 43: 2026/07/28
51: C12N; C12P; A61K
71: Bioverativ Therapeutics Inc.
72: CHHABRA, Ekta Seth, LIU, Tongyao, CHANG, Pei-yun, PETERS, Robert T., KULMAN, John, JIANG, Haiyan
33: US 31: 61/670,401 32: 2012-07-11
54: FACTOR VIII COMPLEX WITH XTEN AND VON WILLEBRAND FACTOR PROTEIN, AND USES THEREOF
00: -
The present invention includes a chimeric protein comprising a VWF protein with D' domain and D3 domain ofVWF, one or more XTEN sequence, and a FVIII protein, wherein the VWF fragment, the XTEN sequence, or the FVIII protein are linked to or associated with each other. The chimeric protein can further comprise one or more Ig constant region or a portion thereof (e.g., an Fc region). A polypeptide chain of a VWF fragment is associated with a FVIII polypeptide chain linked to an XTEN sequence. The VWF fragment polypeptide chain can prevent or inhibit binding of endogenous VWF toFVIII protein linked to the XTEN sequence. By preventing or inhibiting binding of endogenous VWF to FVIII protein, VWF fragment can extend half-life of chimeric protein comprising FVIII protein. The invention includes nucleotides, vectors, host cells, use of VWF fragment, or chimeric proteins.

21: 2015/08591. 22: 2015/11/20. 43: 2026/08/03
51: F24J
71: HADDOCK, Dustin M.M.
72: HADDOCK, Dustin M.M.
33: US 31: 61/814,426 32: 2013-04-22
54: RIB MOUNTING DEVICE WITH PIVOTING INSERT
00: -
A mounting device (100) for installation on a hollow rib of a panel is disclosed. The mounting device (100) includes a mounting body (102), an insert

(160), and at least one clamping fastener (180). The mounting body (102) includes an upper section or base (104), along with a first leg (112) and a second leg (122) that each extend downwardly from the base (104) in at least generally diverging relation to one another. The first leg (112) includes a first projection (116) positionable in a recess on one sidewall of a rib, while the insert (160) includes a second projection (164) positionable in a recess on the opposite sidewall of this same rib. The clamping fastener(s) (180) extends through the second leg (122) of the mounting body (102) and forces the insert (160) in the direction of the first leg (112) of the mounting body (102).

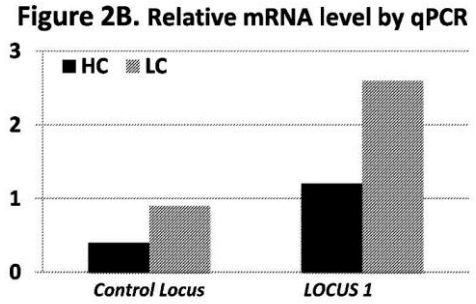


21: 2015/09282. 22: 2015/12/21. 43: 2026/09/16
51: G01B
71: VICTAULIC COMPANY
72: PUZIO, Matthew, J., DOLE, Douglas, R., PRICE, Anthony, VICARIO, Daniel, B.
33: US 31: 13/964,671 32: 2013-08-12
54: METHOD AND DEVICE FOR FORMING GROOVES IN PIPE ELEMENTS
00: -
A method of forming circumferential grooves in pipe elements using opposed rollers to cold work the pipe elements determines the diameter of the groove while the pipe element is rotated between the rollers. A device for executing the method uses the instantaneous determinations of the groove diameter in a feed-back loop to control the operation of the device and halt groove formation when the groove diameter is within a specified tolerance.



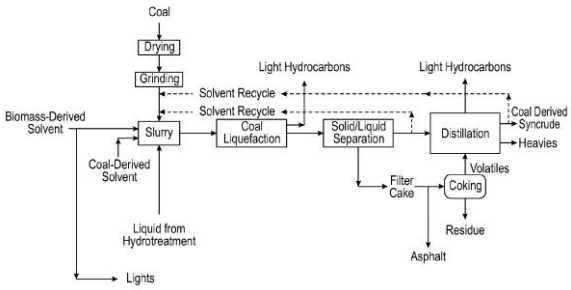
21: 2017/01574. 22: 2017/03/03. 43: 2026/09/16
51: A01N; A61K
71: FRED HUTCHINSON CANCER CENTER
72: ZAGER, Richard, JOHNSON, Ali CM
33: US 31: 62/057,047 32: 2014-09-29
33: US 31: 62/212,232 32: 2015-08-31
54: COMPOSITIONS, KITS, AND METHODS TO INDUCE ACQUIRED CYTORESISTANCE USING STRESS PROTEIN INDUCERS
00: -
The present disclosure provides compositions, kits, and methods to protect organs by inducing acquired cytoresistance without causing injury to the organ. The compositions, kits, and methods utilize heme proteins, iron and/or vitamin B12 and, optionally, agents that impact heme protein metabolism.

21: 2017/02573. 22: 2017/04/11. 43: 2026/09/21
51: C12N
71: REGENERON PHARMACEUTICALS, INC.
72: SHEN, Ying, BURAKOV, Darya, CHEN, Gang, FANDL, James, P.
33: US 31: 62/067,774 32: 2014-10-23
54: NOVEL CHO INTEGRATION SITES AND USES THEREOF
00: -
Expression-enhancing nucleotide sequences for eukaryotic expressions systems are provided that allow for enhanced and stable expression of recombinant proteins in eukaryotic cells. Genomic integration sites providing enhanced expression and methods of use thereof are provided for expression of a gene of interest in a eukaryotic cell. Chromosomal loci, sequences, and vectors are provided for enhanced and stable expression of genes in eukaryotic cells.

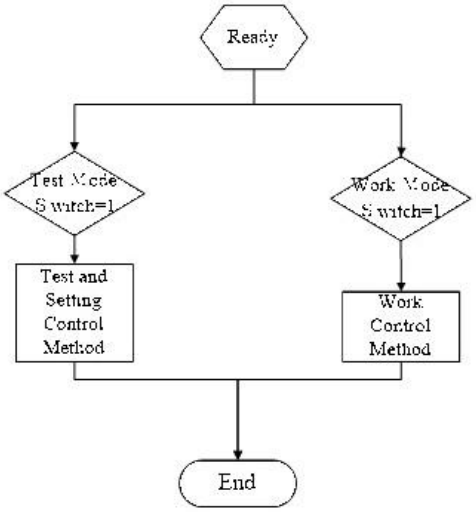


21: 2017/08469. 22: 2017/12/13. 43: 2026/09/28
51: A61K
71: AUSTINPX, LLC
72: MILLER, Dave, A., KEEN, Justin, M., KUCERA, Sandra, U.
33: US 31: 62/180,998 32: 2015-06-17
54: IMPROVED FORMULATIONS OF DEFERASIROX AND METHODS OF MAKING THE SAME
00: -
The disclosure provides for improved pharmaceutical compositions containing deferasirox (DFX) and methods of manufacturing the same. In particular, the compositions are prepared using thermokinetic compounding and provide improved properties as well as more efficient methods of manufacture.

21: 2018/01794. 22: 2018/03/16. 43: 2026/08/11
51: C10G
71: Battelle Memorial Institute
72: CHAUHAN, Satya P., GARBARK, Daniel B., BENECKE, Herman P., CONKLE, H. Nicholas
33: US 31: 62/220,729 32: 2015-09-18
33: US 31: 62/220,681 32: 2015-09-18
33: US 31: 62/220,761 32: 2015-09-18
54: PROCESS OF PRODUCING LIQUID FUELS FROM COAL USING BIOMASS-DERIVED SOLVENTS
00: -
A process of producing a distillate fuel from coal includes: preparing a biomass- derived coal solvent; dissolving the coal in the biomass-derived solvent; and separating undissolved coal and mineral matter to produce a syncrude. In certain embodiments, the process further includes subjecting the syncrude to a hydrotreatment/hydrogenation process to produce a distillate fuel. In certain embodiments, the biomass-derived solvent is a hydrogen-donor solvent. A method to improve direct coal liquefaction includes: using a non-hydro genated lipid in a direct coal liquefaction process to facilitate coal depolymerization. In certain embodiments, the lipid is a polyunsaturated biobased oil. A method for using a biomass-derived feedstock as a hydrogen donor includes: providing a biomass-derived feedstock; modifying the feedstock to improve its usefulness as a hydrogen donor; and conducting a transfer hydrogenation process using the modified feedstock as a hydrogen donor. In certain embodiments, the transfer hydrogenation process is a direct coal liquefaction process.



21: 2018/03580. 22: 2018/05/30. 43: 2019/01/18
51: F02C; F02N; H02K; H02P
71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: CHEN, Wei, ZHANG, Lin, CAO, Zhao, HE, Qianjin, DENG, Haishun, MA, Tianbing
33: CN 31: 201710472192.X 32: 2017-06-21
54: REVERSIBLE MAGNETIC STARTER CONTROL METHOD OF UNIVERSAL ELECTRIC MULTI-TURN ACTUATOR
00: -
The invention relates to a reversible magnetic starter control method for universal electric multi turn actuator, which is suitable for use under universal conditions, when an optional switch of a test/work mode is switched to a test mode switch, wherein the control method goes to a test and setting control method; when the optional switch of the test/work mode is switched to a work mode switch, wherein the control method goes to a work mode control method. With high reliability and strong anti interference ability, full featured, and is used directly on the touch screen, easy to operate. The local/remote control, transient/self holding operation selection is set in the parameter, if change the selection, do not need to change the wiring. And can determine whether the contactor absorbs and has the protecting function.



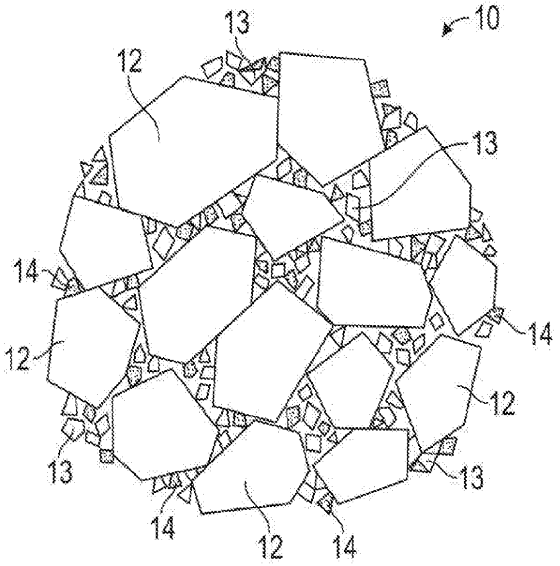
21: 2018/03677. 22: 2018/06/01. 43: 2026/09/10
51: A61K
71: MEXICHEM FLUOR S.A. DE C.V.
72: CORR, Stuart, NOAKES, Timothy James
33: GB 31: 1521462.0 32: 2015-12-04
54: PHARMACEUTICAL COMPOSITION
00: -
A pharmaceutical composition is described. The composition comprises at least one mometasone compound selected from mometasone, pharmaceutically acceptable salts of mometasone, prodrugs of mometasone, solvates of mometasone, solvates of pharmaceutically acceptable salts of mometasone and solvates of prodrugs of mometasone and a propellant component comprising 1,1- difluoroethane (R-152a). In a preferred embodiment, the composition further comprises 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.

21: 2018/04462. 22: 2018/07/03. 43: 2026/08/13
51: C01B
71: HALDOR TOPSØE A/S
72: ROSTRUP-NIELSEN, THOMAS, SCHJØDT, NIELS CHRISTIAN, SPETH, CHRISTIAN HENRIK, KRØLL JENSEN, ANNETTE E
33: DK 31: PA 2016 00127 32: 2016-02-29
54: LOW STEAM/CARBON REVAMP OF A PLANT COMPRISING A STEAM REFORMING SECTION AND A WATER-GAS SHIFT SECTION
00: -
The present invention relates to a revamp method for increasing the front-end capacity of a plant comprising - a reforming section, wherein a feed is reformed in at least one reforming step to - a reformed stream comprising CH_4, CO, CO_2, $H_2$and H_2O - a shift section wherein the reformed stream is shifted in a shift reaction in at least a high temperature shift step, said method comprising the steps of - In the High temperature shift step exchanging an original Fe-based catalyst with a non-Fe-based catalyst - Increasing the feed flow to the reforming section, and - The HTS step is carried out at a reduced steam/dry-gas ratio (S/DG) compared to an original S/DG in the original HTS step with the original Fe-based catalyst.

21: 2018/07461. 22: 2018/11/07. 43: 2026/10/14
51: A01K; C07K; C12N
71: REGENERON PHARMACEUTICALS, INC.
72: MACDONALD, Lynn, MURPHY, Andrew, J., GUO, Chunguang, LEVENKOVA, Natasha, TU, Naxin, MCWHIRTER, John, VORONINA, Vera, HARRIS, Faith
33: US 31: 62/345,524 32: 2016-06-03
54: NON-HUMAN ANIMALS EXPRESSING EXOGENOUS TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE
00: -
Provided herein are methods and compositions related to non-human animals that express exogenous Terminal Deoxynucleotidyltransferase (TdT).

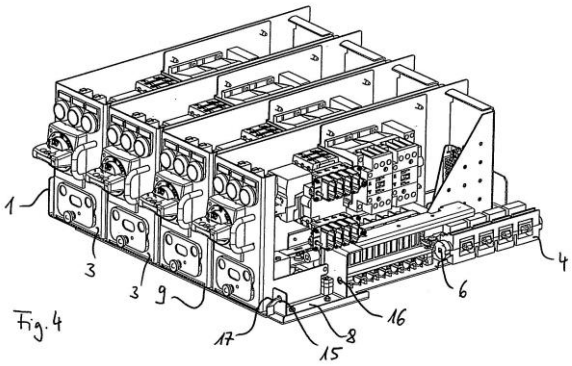
21: 2018/07682. 22: 2018/11/15. 43: 2026/09/10
51: B22F
71: SMITH INTERNATIONAL, INC.
72: VORONIN, Georgiy
33: US 31: 62/355,434 32: 2016-06-28
54: POLYCRYSTALLINE DIAMOND CONSTRUCTIONS
00: -
Polycrystalline diamond constructions are formed from a mixture of diamond grains including a first volume of fine-sized diamond grains, and a second volume of coarse-sized diamond grains. The fine-sized diamond grains are partially graphitized, and the coarse-sized diamond grains are not graphitized.

The mixture of diamond grains is subjected to high pressure/high temperature sintering process conditions in the presence of a sintering aid thereby forming polycrystalline diamond. Contact areas between coarse-sized diamond grains in the polycrystalline diamond construction are substantially free of graphite



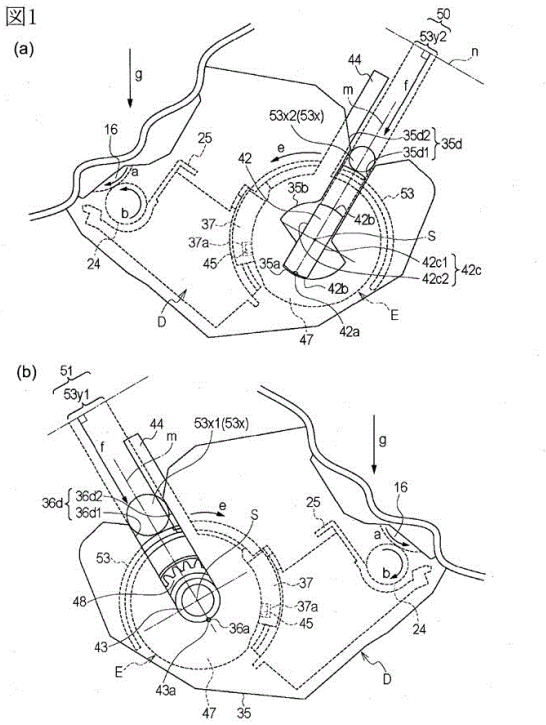
21: 2019/00336. 22: 2019/01/17. 43: 2026/09/14
51: A61K; C07D
71: ARTHROSI THERAPEUTICS, INC.
72: YAN, Shunqi, YEH, Li-Tain, ORR, Robert
33: US 31: 62/363,473 32: 2016-07-18
54: COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING A SYMPTON ASSOCIATED WITH GOUT OR HYPERURICEMIA
00: -
The inventive subject matter provides compounds, compositions and methods for lowering serum acid (sUA) for the treatment of gout, and having reduced liver toxicity, associated with CYP2C9 metabolic pathway.

21: 2019/00982. 22: 2019/02/15. 43: 2026/08/03
51: H02B
71: Eaton Intelligent Power Limited
72: BONA, Gerhard, RITSCHEL, Norbert, SCHMIDT, Rainer, GEGENBAUER, Bernhard
33: DE 31: 10 2016 114 801.6 32: 2016-08-10
54: LOCKING MECHANISM FOR AN ENERGY MODULE
00: -
The invention relates to a locking mechanism (7) for an energy module (4) on a coupling insert (1), wherein the coupling insert (1) functions to receive at least one insert (3), comprising a guide element (8) and a locking element (9), wherein the guide element (8) and the locking element (9) can be secured to the coupling insert (1), and wherein the guide element (8) has a first opening (15) through which an operating key can be guided in order to actuate the energy module (4), and wherein the locking element (9) has a blocking bolt (17) which engages into the first opening (15) of the guide element (8) in the use position of the locking mechanism (7), and blocks same in terms of the guiding through of the operating key, wherein the locking element (9) is arranged on the coupling insert (1), in the use position, in such a way that a release of the first opening (15) is only possible by removing the locking element (9) when there is no insert (3) in the coupling insert (1).

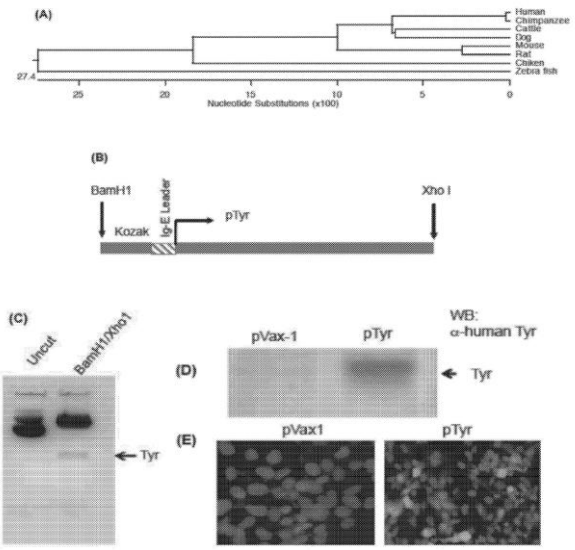


21: 2019/01133. 22: 2019/02/22. 43: 2026/10/15
51: G03G
71: CANON KABUSHIKI KAISHA
72: KIMURA, Takashi, KOJIMA, Hisayoshi, KASHIIDE, Yosuke
33: JP 31: 2016-192719 32: 2016-09-30
54: TONER CARTRIDGE AND TONER SUPPLY MECHANISM
00: -
The purpose of the present invention is to develop the conventional configuration of a toner cartridge. A toner cartridge comprises a container and an opening and closing member. The container comprises a housing part, a discharge port, and a cartridge-side guide. The opening and closing member comprises a closing part and an

engagement part, and is movable with respect to the container between a closing position and an opening position. When the toner cartridge is detached from a receiving device, the engagement part receives force for moving the opening and closing member from the opening position to the closing position by engaging with a receiving device-side guide of the receiving device.



21: 2019/02229. 22: 2019/04/09. 43: 2026/08/12
51: A61K; A61P; C07K; C12N
71: The Trustees of the University of Pennsylvania, The Wistar Institute of Anatomy and Biology, Inovio Pharmaceuticals, Inc.
72: WEINER, David, YAN, Jian
33: US 31: 62/402,695 32: 2016-09-30
54: TERT IMMUNOGENIC COMPOSITIONS AND METHODS OF TREATMENT USING THE SAME
00: -
Disclosed herein are compositions comprising optimized consensus TERT antigens and methods for treating cancer and in particular immunogenic compositions that treat and provide protection against tumor.

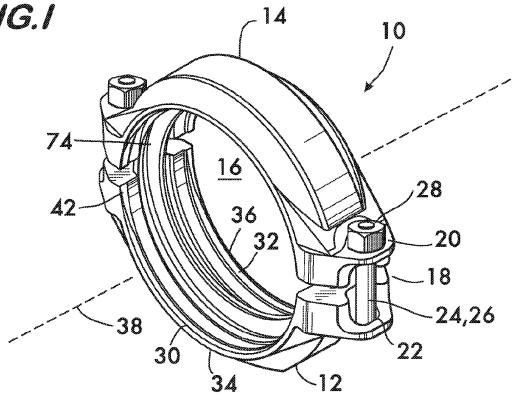


21: 2019/02834. 22: 2019/05/06. 43: 2026/09/16
51: C07D
71: TEMPLE UNIVERSITY-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, PRAEVENTIX, LLC
72: CANNEY, Daniel J., BLASS, Benjamin E., BLATTNER, Kevin M., PIPPIN, Douglas A.
33: US 31: 62/422,344 32: 2016-11-15
54: NOVEL MODULATORS OF THE 5-HYDROXYTRYPTAMINE RECEPTOR 7 AND THEIR METHOD OF USE
00: -
Pharmaceutical compositions of the invention comprise functionalized lactone derivatives having a disease-modifying action in the treatment of diseases associated with dysregulation of 5-hydroxytryptamine receptor 7 activity.

21: 2019/03001. 22: 2019/05/14. 43: 2026/09/09
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.

FIG.1



21: 2019/03220. 22: 2019/05/22. 43: 2026/10/01
51: A61K; C07K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: KELLY, Marcus, MA, Dangshe, OLSON, William, THURSTON, Gavin
33: US 31: 62/428,672 32: 2016-12-01
33: US 31: 62/457,267 32: 2017-02-10
33: US 31: 62/569,773 32: 2017-10-09

54: RADIOLABELED ANTI-PD-L1 ANTIBODIES FOR IMMUNO-PET IMAGING

00: -

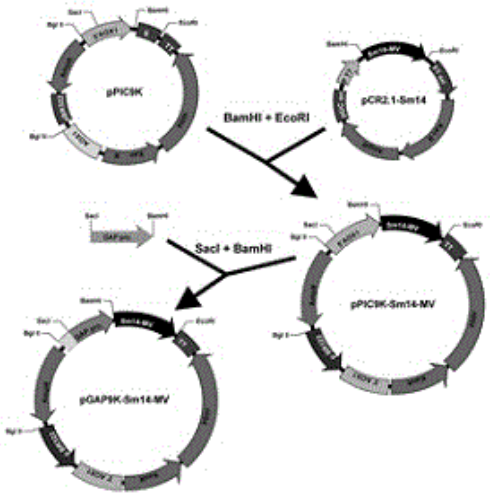
Radiolabeled anti-PD-L1 antibodies and their use in immuno-PET imaging are provided herein. Included are methods of detecting the presence of PD-L1 proteins in a patient or sample.

21: 2019/04761. 22: 2019/07/19. 43: 2026/08/13
51: C12N; C07K; A61K; G01N; A61P
71: FUNDAÇAO OSWALDO CRUZ
72: SIMPSON, ANDREW J G, RAMOS, CELSO RAUL ROMERO, TENDLER, MIRIAM
33: BR 31: BR102017001309-0 32: 2017-01-23

54: RECOMBINANT VACCINE AGAINST HELMINTHS IN PICHIA PASTORIS AND METHODS FOR PRODUCING AND PURIFYING PROTEINS FOR USE AS VACCINES AGAINST HELMINTHS

00: -

The present invention pertains to the field of the production of recombinant proteins, using a synthetic gene for increased expression of the protein in Pichia pastoris. More specifically, the invention describes the production of the recombinant Sm14 protein of Schistosoma mansoni, with the creation of a synthetic gene for increased expression of this protein, which gene was cloned under the control of two types of Pichia pastoris promoters: methanol-induced promoter (AOX1) and constitutive promoter (GAP). Strains of Pichia pastoris were genetically engineered with these constructs to produce the Sm14 vaccine antigen efficiently. Improved methods are also provided for producing and purifying this protein from P. pastoris cells, which can be scaled for industrial production.



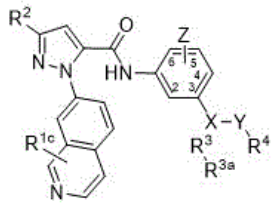
21: 2019/06027. 22: 2019/09/12. 43: 2026/08/03
51: A61K
71: BioCryst Pharmaceuticals, Inc.
72: KOTIAN, Pravin L., BABU, Yarlagadda S., WU, Minwan, CHINTAREDDY, Venkat R., KUMAR, V., Satish, ZHANG, Weihe
33: US 31: 61/949,808 32: 2014-03-07

54: HUMAN PLASMA KALLIKREIN INHIBITORS

00: -

Disclosed are compounds of formula (XXVI), as described herein, and pharmaceutically acceptable

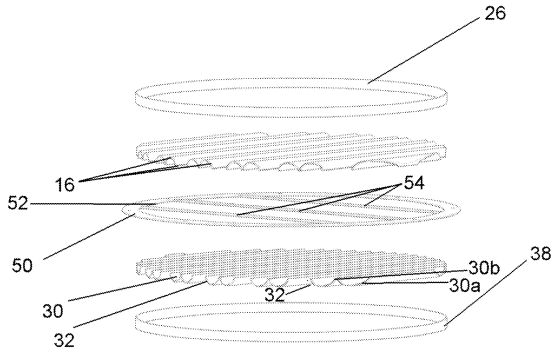
salts thereof. The compounds are inhibitors of plasma kallikrein. Also provided are pharmaceutical compositions comprising at least one compound of the invention, and methods involving use of the compounds and compositions of the invention in the treatment and prevention of diseases and conditions characterized by unwanted plasma kallikrein activity.



(XXVI)

21: 2019/06468. 22: 2018/02/16. 43: 2026/08/17
51: A61K; A61P; C07D
71: Sumitomo Pharma America, Inc.
72: HOPKINS, Seth, KOBLAN, Kenneth, LOEBEL, Antony, OGIRALA, Ajay
33: US 31: 62/459,784 32: 2017-02-16
54: METHODS OF TREATING SCHIZOPHRENIA
00: -
Provided herein are methods for determining if a compound has potential efficacy for the treatment for a specific symptom domain of schizophrenia, such as for example, the treatment of a negative symptom of schizophrenia. In addition, provided herein are methods of determining the prominent symptom domain of a subject suffering from schizophrenia. Further, provided herein are various methods for the treatment of the negative symptoms, cognitive dysfunction symptoms, or both, associated with schizophrenia comprising administering to a subject a therapeutically or prophylactically effective amount of various compounds.

21: 2019/06891. 22: 2019/10/18. 43: 2026/09/16
51: B01F; B01J; F27B
71: AZMET TECHNOLOGY AND PROJECTS (PROPIETARY) LIMITED
72: Ruan KUKARD, Abraham Barend SMIT, Barend Jacobus BEYLEFELD, Charl Jan DU PREEZ
33: ZA 31: 2017/02105 32: 2017-03-27
54: DISPERSION TRAY
00: -
A dispersion tray (10) comprising upper and lower parts (12, 14) each comprising parallel transverse half pipes, wherein the half pipes (16, 30) of the lower part ("the lower pipes") (30) face upwards and the pipes of the upper part ("the upper pipes") (16) face downwards, wherein the ends of the lower pipes (30) terminate at a first plane and the ends of the upper pipes (16) terminate at a second plane which is parallel to the first plane, and wherein the half pipes (16, 30) are arranged in spaced pairs with the adjacent ends of the pipes of each pair being at least close to each other and the outer ends of each pair in the one part terminating midway along the width of the pipes in the other part on either side of a space between the pairs of pipes of the said other part.



21: 2019/07530. 22: 2019/11/13. 43: 2026/09/10
51: G06F; G06Q
71: CLARA DIAMOND SOLUTIONS LIMITED PARTNERSHIP
72: ARIEL, Aaron, STOLOV, Ophir E.
33: US 31: 15/808,793 32: 2017-11-09
33: EP 31: 17171390.2 32: 2017-05-16
54: ELECTRONIC PLATFORM, SYSTEMS, AND METHODS FOR PLANNING POLISHED DIAMOND PARAMETERS TO ENABLE INDIVIDUAL DIAMOND TRANSACTIONS
00: -
An electronic computer-implemented and interactive platform is described, which permits the offer, sale, and distribution of diamonds by sellers to purchasers and, as a result, into the overall diamond marketplace. Each diamond is scanned in order to create a three-dimensional (3D) virtual model that can include images and/or other data that digitally identifies that diamond, providing a "fingerprint" of the diamond. The purchaser may have highly confidential and proprietary information that specifies the critical details of its manufacturing process for each type of cut of polished diamond, referred to as

polished diamond parameters (PDPs). A planning system is used to offload time consuming and computationally expensive planning operations from the manufacturer (or other purchaser), and does so prior to a purchase. The planning system and a matching process are used by the platform to enable the data in each PDP file to be applied to the 3D virtual model of each individual diamond.

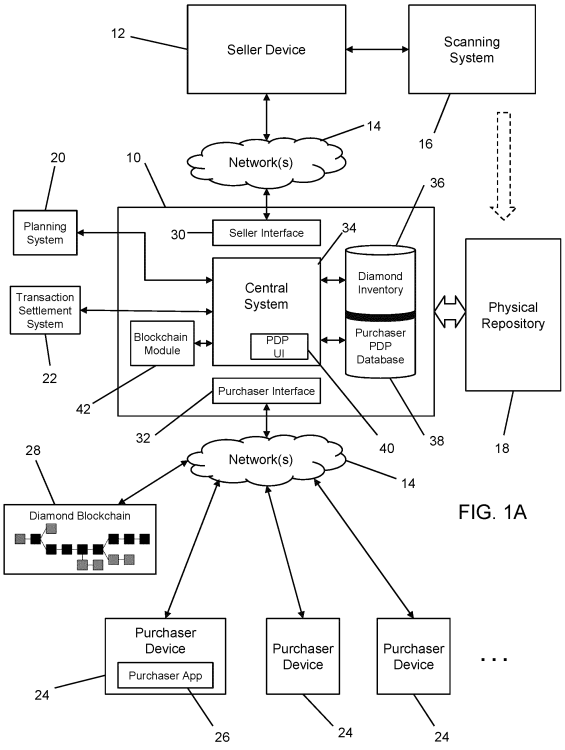
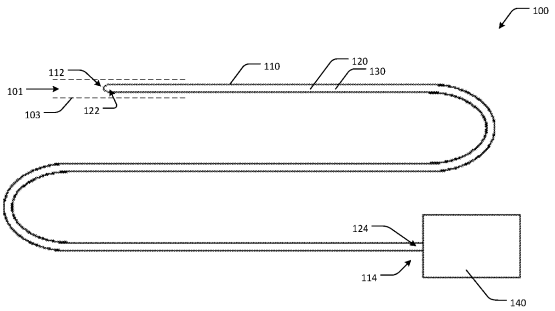
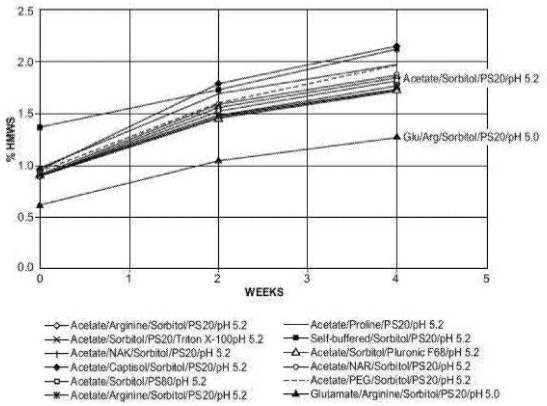


FIG. 1A

21: 2019/07734. 22: 2019/11/22. 43: 2026/09/10
51: A61B; A61M; F16L
71: ENDOGENE LIMITED
72: SWITZER, Anthony, SOUTORINE, Mikhail
33: AU 31: 2017901531 32: 2017-04-27
33: AU 31: 2018900500 32: 2018-02-16
54: METHOD AND APPARATUS FOR INSTRUMENT PROPULSION
00: -
Embodiments generally relate to propulsion tube units and propulsion devices for progressing instruments along passages, and associated methods of use. For example, the instruments may include, tools, sensors, probes and/or monitoring equipment for medical use (such as endoscopy) or industrial use (such as mining). In some embodiments, the propulsion device may comprise an elongate tube defining a channel configured to accommodate a liquid and a pressure actuator in communication with the channel. The pressure actuator may be configured to selectively adjust a pressure of the liquid in the channel to alternatingly: reduce the pressure to induce cavitation and form gas bubbles in the liquid; and increase the pressure to collapse some or all of the gas bubbles back into the liquid, thereby accelerating at least part of the liquid towards the first end of the tube and transferring momentum to the tube to progress the tube along the passage.



21: 2019/07848. 22: 2019/11/25. 43: 2026/07/28
51: A61K; C07K
71: Amgen Inc.
72: BRYCH, Stephen Robert, WONG, Lyanne M., FALLON, Jaymille, GOSS, Monica Michelle, GU, Jian Hua, GHATTYVENKATAKRISHNA, Pavan K.
33: US 31: 62/492,056 32: 2017-04-28
54: FORMULATIONS OF HUMAN ANTI-RANKL ANTIBODIES, AND METHODS OF USING THE SAME
00: -
Disclosed herein are aqueous pharmaceutical formulations comprising denosumab or another human anti-RANKL monoclonal antibody or portion thereof, and characteristics of pH, buffer systems, and amino acid aggregation inhibitors. Also disclosed are presentation of the formulation for use, e.g. in a single-use vial, single-use syringe, or glass container, methods of using the formulations and articles for preventing or treating diseases, and related kits.

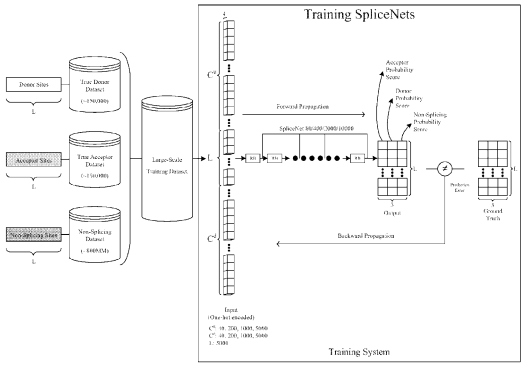


21: 2019/08143. 22: 2019/12/09. 43: 2026/09/25
51: G16B
71: ILLUMINA, INC.
72: JAGANATHAN, Kishore, FARH, Kai-How, KYRIAZOPOULOU PANAGIOTOPOULOU, Sofia, MCRAE, Jeremy Francis
33: US 31: 62/573,125 32: 2017-10-16
33: US 31: 62/573,131 32: 2017-10-16
33: US 31: 62/573,135 32: 2017-10-16
33: US 31: 62/726,158 32: 2018-08-31

54: DEEP LEARNING-BASED SPLICE SITE CLASSIFICATION

00: -

The technology disclosed relates to constructing a convolutional neural network-based classifier for variant classification. In particular, it relates to training a convolutional neural network-based classifier on training data using a backpropagation-based gradient update technique that progressively match outputs of the convolutional neural network-based classifier with corresponding ground truth labels. The convolutional neural network-based classifier comprises groups of residual blocks, each group of residual blocks is parameterized by a number of convolution filters in the residual blocks, a convolution window size of the residual blocks, and an atrous convolution rate of the residual blocks, the size of convolution window varies between groups of residual blocks, the atrous convolution rate varies between groups of residual blocks. The training data includes benign training examples and pathogenic training examples of translated sequence pairs generated from benign variants and pathogenic variants.

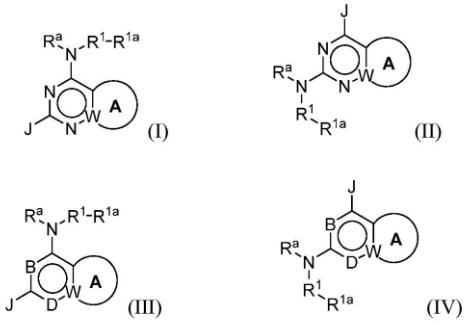


21: 2020/00217. 22: 2020/01/13. 43: 2026/08/12
51: A61K; C07D
71: BioCryst Pharmaceuticals, Inc.
72: KOTIAN, Pravin L., BABU, Yarlagadda S., KUMAR, V., Satish, ZHANG, Weihe, LU, Peng-Cheng, RAMAN, Krishnan
33: US 31: 62/520,150 32: 2017-06-15

54: IMIDAZOLE-CONTAINING INHIBITORS OF ALK2 KINASE

00: -

Disclosed are compounds of formula (I), (II), (III), and (IV), and pharmaceutically acceptable salts thereof. The compounds are inhibitors of ALK2 kinase. Also provided are pharmaceutical compositions comprising a compound of formula (I), (II), (III), or (IV), or pharmaceutically acceptable salt thereof, and methods involving use of the compounds or pharmaceutically acceptable salts thereof and compositions in the treatment and prevention of various diseases and conditions, such as fibrodysplasia ossificans progressiva.



21: 2020/02033. 22: 2020/05/04. 43: 2026/09/16
51: A61K; C07K
71: KATHOLIEKE UNIVERSITEIT LEUVEN
72: BOUDEWIJNS, Robbert, DALLMEIER, Kai, NEYTS, Johan
33: GB 31: 1716254.6 32: 2017-10-05

54: LIVE-ATTENUATED FLAVIRUSES WITH HETEROLOGOUS ANTIGENS

00: -

The invention relates to polynucleotides comprising the sequence of a flavivirus preceded by a sequence encoding an N terminal part of a flavivirus Capsid protein, an immunogenic protein, or a part thereof comprising a an immunogenic peptide, and a 2A cleaving peptide, and to the virus encoded by such sequences. The invention further relates to the use of such polynucleotides and viruses as vaccines.

21: 2020/02076. 22: 2020/05/04. 43: 2026/09/16
51: A61K; C07K; C12N
71: VEONGEN THERAPEUTICS GMBH
72: MICHALAKIS, Stylianos, BIEL, Martin, BÜNING, Hildegard, SCHÖN, Christian
33: EP 31: 17196567.6 32: 2017-10-16

54: AAV VECTORS

00: -

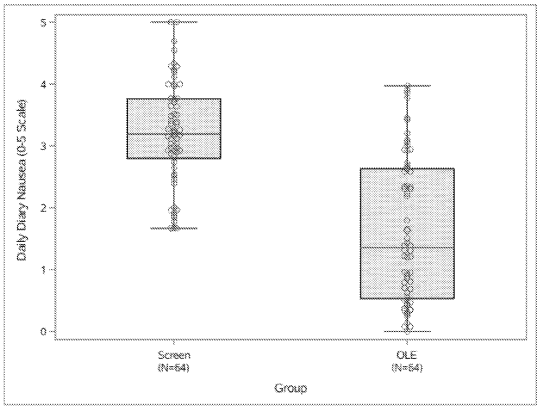
The present invention relates to an adeno-associated virus (AAV), comprising an insertion of at least 6-8 amino acids between the positions corresponding to position 87 and 588 of SEQ ID NO: 1. Also envisioned are AAVs of the present invention for use as a medicament and pharmaceutical compositions comprising the AAV of the present invention. Further, the present invention relates to an in vitro use of AAV of the present invention for transduction of the nucleus of retinal cells. Also concerned is a method for screening an insertion sequence as well as a peptide obtainable by the method for screening. Also contemplated are kits comprising the AAV of the present invention.

21: 2020/02516. 22: 2020/05/07. 43: 2026/09/16
51: A61K; A61P
71: VANDA PHARMACEUTICALS INC.
72: POLYMEROPOULOS, Mihael, H., BIRZNIEKS, Gunther
33: US 31: 62/587,681 32: 2017-11-17

54: METHOD OF TREATMENT OF GASTROINTESTINAL DISEASES WITH TRADIPITANT

00: -

Disclosed herein is a method of treatment of gastric motility disorders and of improving gastric motility comprising treatment with the NK-1 receptor antagonist, tradipitant.



21: 2020/03080. 22: 2020/05/25. 43: 2026/08/24
51: A61K; A61P; C07K
71: Eli Lilly and Company
72: ALSINA-FERNANDEZ, Jorge, COSKUN, Tamer, GUO, Lili, QU, Hongchang
33: US 31: 62/608,644 32: 2017-12-21

54: INCRETIN ANALOGS AND USES THEREOF

00: -

Incretin analogs are provided that have activity at each of the GIP, GLP-1 and glucagon receptors. The incretin analogs have structural features resulting in balanced activity and extended duration of action at each of these receptors. Methods also are provided for treating diseases such as diabetes mellitus, dyslipidemia, fatty liver disease, metabolic syndrome, non-alcoholic steatohepatitis and obesity.

21: 2020/03517. 22: 2020/06/11. 43: 2026/08/24
51: A61K; C12N; A61P
71: THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
72: MACKALL, CRYSTAL, LYNN, RACHEL, WEBER, EVAN, SOTILLO, ELENA
33: US 31: 62/738,687 32: 2018-09-28
33: US 31: 62/599,299 32: 2017-12-15

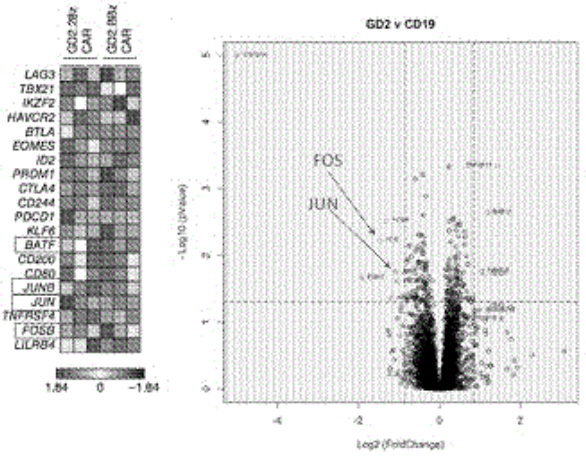
54: COMPOSITIONS AND METHODS FOR INHIBITING T CELL EXHAUSTION

00: -

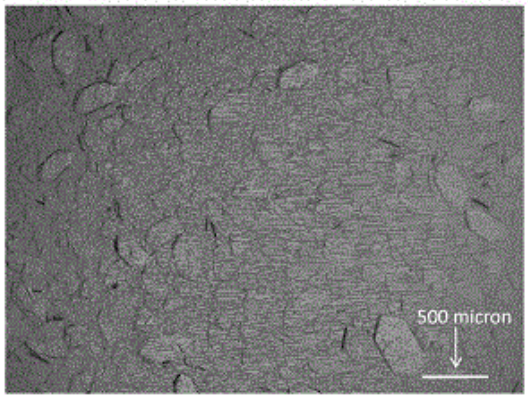
The present invention relates to T cell compositions and methods of using the same in the context of therapy and treatment. In particular, the invention provides T cells that are modified (e.g., genetically and/or functionally) to maintain functionality under conditions in which unmodified T cells display exhaustion. Compositions and methods disclosed

herein find use in preventing exhaustion of engineered (e.g., chimeric antigen receptor (CAR) T cells) as well as non-engineered T cells thereby enhancing T cell function (e.g., activity against cancer or infectious disease

FIG. 1A FIG. 1B



21: 2020/04339. 22: 2020/07/15. 43: 2026/08/13
51: A23J; A23L
71: ARLA FOODS AMBA
72: BERTELSEN, HANS, LAURIDSEN, KASPER BØGELUND
33: EP 31: 16206861.3 32: 2016-12-23
54: PRODUCTION OF NOVEL BETA-LACTOGLOBULIN PREPARATIONS AND RELATED METHODS, USES, AND FOOD PRODUCTS
00: -
The present invention relates to a new method of producing isolated beta-lactoglobulin compositions and/or compositions containing crystallised beta-lactoglobulin. The invention furthermore relates to new beta-lactoglobulin compositions, uses of these compositions and food products comprising these compositions.



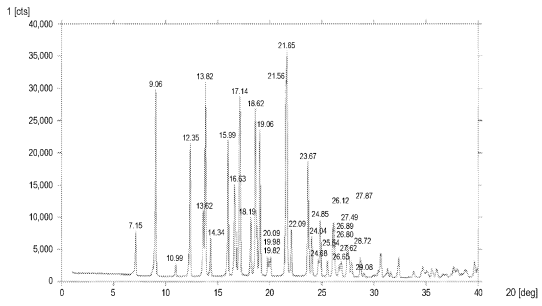
21: 2020/04718. 22: 2020/07/30. 43: 2026/09/25
51: C07K
71: PFIZER INC.
72: PANOWSKI, Siler, SAI, Tao, SASU, Barbra Johnson, SRIVATSA SRINIVASAN, Surabhi, VAN BLARCOM, Thomas John
33: US 31: 62/625,019 32: 2018-02-01
33: US 31: 62/641,873 32: 2018-03-12
54: ANTIBODIES SPECIFIC FOR CD70 AND THEIR USES
00: -
The present invention provides antibodies that specifically bind to CD70 (Cluster of Differentiation 70). The invention further provides bispecific antibodies that bind to CD70 and another antigen (e.g., CD3). The invention further relates to antibody encoding nucleic acids, and methods of obtaining such antibodies (monospecific and bispecific). The invention further relates to therapeutic methods for use of these antibodies for the treatment of CD70-mediated pathologies, including cancer.

21: 2020/04850. 22: 2020/08/05. 43: 2026/08/19
51: A01N; C05G; C07F
71: BASF SE
72: CUNNINGHAM, Allan, F., NESVADBA, Peter, WISSEMEIER, Alexander, WALLQUIST, Olof, NAVE, Barbara
33: EP 31: 18150865.6 32: 2018-01-09
54: SILYLETHYNYL HETARYL COMPOUNDS AS NITRIFICATION INHIBITORS
00: -
The present invention relates to the use of silylethynyl hetaryl compound as nitrification Inhibitors.

21: 2020/05717. 22: 2020/09/15. 43: 2026/08/12

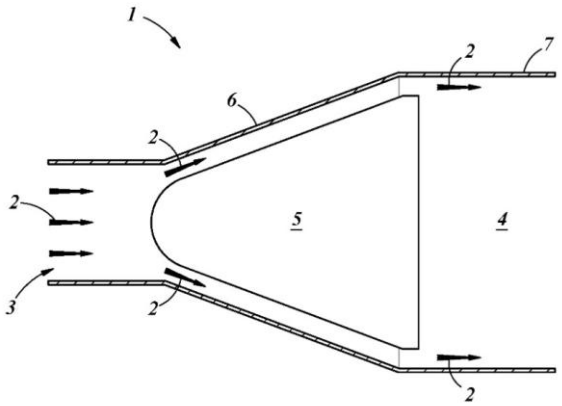
51: A61K; A61P
71: Serleva, Inc.
72: HUBBARD, Brian K., SERRANO-WU, Michael H.
33: US 31: 62/644,033 32: 2018-03-16
54: COMPOSITIONS AND METHODS FOR TREATING SEVERE CONSTIPATION
00: -
The present disclosure provides methods related to treating or preventing gastrointestinal dysfunction in a subject in need thereof, which include the use of a diacylglycerol O-acyltransferase 1 (DGAT1) inhibitor. The disclosure also provides pharmaceutical compositions comprising a DGAT1 inhibitor, or pharmaceutically acceptable salts or esters thereof, useful for the treatments described herein.

21: 2020/05750. 22: 2020/09/16. 43: 2026/09/16
51: A61K; C07F
71: VIKING THERAPEUTICS, INC.
72: LIAN, Brian, MASAMUNE, Hiroko, BARKER, Geoffrey
33: US 31: 62/646,540 32: 2018-03-22
54: CRYSTALLINE FORMS AND METHODS OF PRODUCING CRYSTALLINE FORMS OF A COMPOUND
00: -
Disclosed herein are methods of crystallizing the compound of Formula I, as well as crystalline forms thereof. Crystalline forms of Formula I disclosed include the TBME solvate crystalline form, toluene solvate crystalline form, ethanol solvate crystalline form, THF solvate crystalline form, EtOAc solvate crystalline form, acetone solvate crystalline form and crystalline Form C.

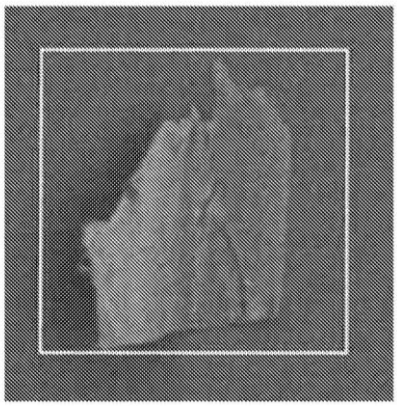


X-ray powder diffraction pattern of crystalline Form C of compound of Formula I with observed peak values.

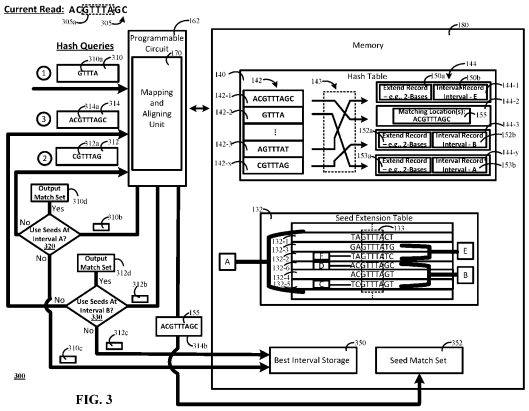
21: 2020/05865. 22: 2020/09/17. 43: 2026/10/19
51: B01D; E21C
71: AERIZONE INDUSTRIES (PTY) LIMITED, ENGLO, INC.
72: VAN DER MERWE, Waldo, WARDEN, Timothy W.
33: ZA 31: 2018/02010 32: 2018-03-27
54: A SCRUBBER WITH A FRUSTO-CONICAL BODY AND A FRUSTO-CONICAL INSERT
00: -
This invention relates to a scrubber and more particularly, but not exclusively, to a scrubber for scrubbing a gas or air stream. The scrubber includes a scrubber body with a flow path between an inlet and an outlet of the body. At least a part of the body is frusto conically shaped so that the flow path therein is also frusto conical. The frusto conical part of the body has at least part of an insert supported, with support means, therein.



21: 2020/06680. 22: 2020/10/27. 43: 2026/08/24
51: A61K; A61P; G01N
71: Amgen Inc.
72: SPASOFF, Andrew Phillip, ATKINSON, Susanne Therese, BENNIS, Adrian, FREUND, Erwin
33: US 31: 62/661,929 32: 2018-04-24
54: METHOD FOR MAKING INJECTABLE PHARMACEUTICAL COMPOSITIONS
00: -
The invention relates to methods for making injectable pharmaceutical compositions wherein particles present in the compositions are detected and analyzed, and the acceptance of the compositions is determined based on chemical and physical properties as well as toxicology and patient risks associated of the particles.



21: 2020/07877. 22: 2020/12/17. 43: 2026/09/10
51: C12Q; G16B
71: ILLUMINA, INC.
72: RUEHLE, Michael
33: US 31: 62/852,965 32: 2019-05-24
54: FLEXIBLE SEED EXTENSION FOR HASH TABLE GENOMIC MAPPING
00: -
Methods, systems, and apparatuses, including computer programs for generating and using a hash table configured to improve mapping of reads are disclosed that include obtaining a first seed of K nucleotides from a reference sequence, generating a seed extension tree having a nodes, wherein each node of the nodes corresponds to (i) an extended seed that is an extension of the first seed and has a nucleotide length of K* and (ii) one or more locations, in a seed extension table, that include data describing reference sequence locations that match the extended seed, and for each node: storing interval information at a location of the hash table that corresponds to an index key for the extended seed, wherein the interval information references one or more locations in the seed extension table that include reference sequence locations that match the extended seed associated with the node.



21: 2021/00415. 22: 2021/01/20. 43: 2026/08/03
51: A61K; A61P
71: Scholar Rock, Inc.
72: DATTA, Abhishek, CAPILI, Allan, SCHURPF, Thomas, MARTIN, Constance, DAGBAY, Kevin B., CHAPRON, Christopher, WAWERSIK, Stefan, LITTLEFIELD, Christopher, CARVEN, Gregory J., BUCKLER, Alan, LIN, Susan, JACKSON, Justin W., STEIN, Caitlin, AVERY, Andrew, COOPER, Anthony, SALOTTO, Matthew
33: US 31: 62/696,752 32: 2018-07-11
54: HIGH-AFFINITY, ISOFORM-SELECTIVE TGFß1 INHIBITORS AND USE THEREOF
00: -
Disclosed herein are monoclonal antibodies and antigen-binding fragments thereof capable of selectively inhibiting GFß1 with high potency. Related compositions, methods and therapeutic use are also disclosed.

21: 2021/00715. 22: 2021/02/02. 43: 2026/10/15
51: C07K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: STEHMAN-BREEN, Catherine, GEBA, Gregory, DAKIN, Paula, DIMARTINO, Stephen, GAO, Haitao, MALONEY, Jennifer, DAVIS, John
33: US 31: 62/717,435 32: 2018-08-10
33: US 31: 62/764,816 32: 2018-08-15
54: A PHARMACEUTICAL COMPOSITION FOR SAFE AND EFFECTIVE TREATMENT OF KNEE AND/OR HIP PAIN
00: -
A pharmaceutical composition and a method for treating knee and/or hip pain in a patient non-responsive or intolerant to standard analgesic therapy are disclosed. A pharmaceutical composition and a method for reducing risk for developing an arthropathy in a subject receiving an

anti-NGF antibody for treatment of knee and/or hip pain are disclosed. Also provided herein are methods for monitoring safety of a treatment of knee and/or hip pain involving administration of an anti-NGF antibody. In certain aspects, the subject has osteoarthritis of the knee and/or hip and the anti-NGF antibody is fasinumab.

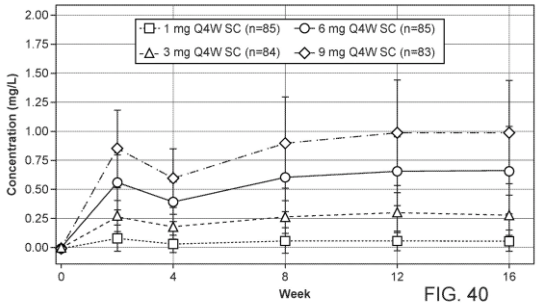
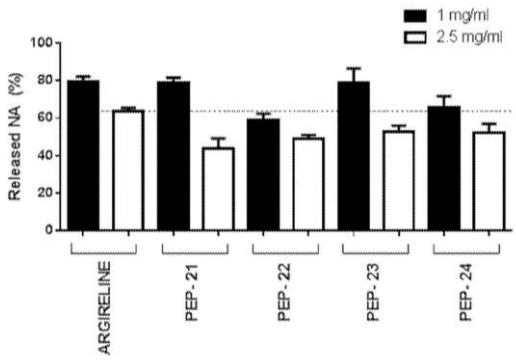


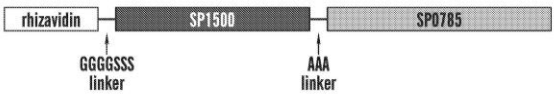
FIG. 40

21: 2021/00720. 22: 2021/02/02. 43: 2026/08/20
51: B03D
71: BASF SE
72: VILLANUEVA BERINDOAGUE, Adrian, Mauricio, BARRON, Dale, CHIPFUNHU, Daniel, MICHAILOVSKI, Alexej, DICKIE, Scott, Alexander, REINOSO GARCIA, Marta, PRAWIRA, Deris
33: EP 31: PCT/EP2018/068102 32: 2018-07-04
54: IRON CHELATORS AS ACTIVATORS IN ALKALINE FLOTATION CIRCUITS
00: -
The present invention is directed to a method for selectively recovering a mineral from an ore applying a promoter being a substituted ethylene diamine. Further, the present invention is directed to the use of said substituted polymeric alkylenediamine to separate a target mineral from an ore.

21: 2021/00896. 22: 2021/02/10. 43: 2026/09/21
51: A61K; C07K; A61Q
71: LUBRIZOL ADVANCED MATERIALS, INC.
72: DELGADO, Raquel, ALMIÑANA, Núria, SOLEY, Albert, LIDÓN, Maria del Carmen, RODRÍGUEZ, Catalina, MOLA, Gemma, VALERIO, Mauricio, GARCIA, Consuelo
33: EP 31: 18382605.6 32: 2018-08-10
54: COMPOUNDS USEFUL FOR THE TREATMENT AND/OR CARE OF THE SKIN, HAIR, NAILS AND/OR MUCOUS MEMBRANES
00: -
The invention relates to a compound of formula (I) R1-Wm-Xn-AA1-AA2-AA3-AA4-AA5-AA6-Yp-Zq-R2, a stereoisomer and/or cosmetically acceptable salt thereof wherein: AA1 is Arg, Lys or no amino acid; AA2 is Arg or Lys; AA3 is Gln, Glu, Asn or Asp; AA4 is Met or Leu; AA5 is Glu, Asp or Gln; AA6 is Glu, Asp, Gln or no amino acid; and AA1 is different from AA6. The compounds are useful for the treatment and/or prevention of the symptoms of skin aging and, in particular, for the treatment and/or prevention of skin wrinkles, the treatment and/or prevention of a sagging appearance of the skin, and/or the reduction and/or prevention of facial asymmetry.

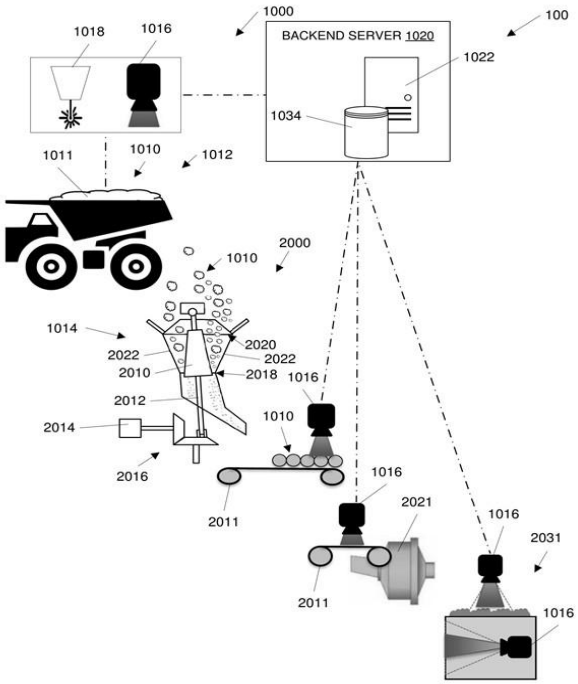


21: 2021/01469. 22: 2021/03/03. 43: 2026/08/12
51: A61K
71: The Children's Medical Center Corporation
72: MALLEY, Richard, LU, Yingjie, ZHANG, Fan
33: US 31: 62/730,199 32: 2018-09-12
54: PNEUMOCOCCAL FUSION PROTEIN VACCINES
00: -
Technologies for the prevention and/or treatment of pneumococcal infections.

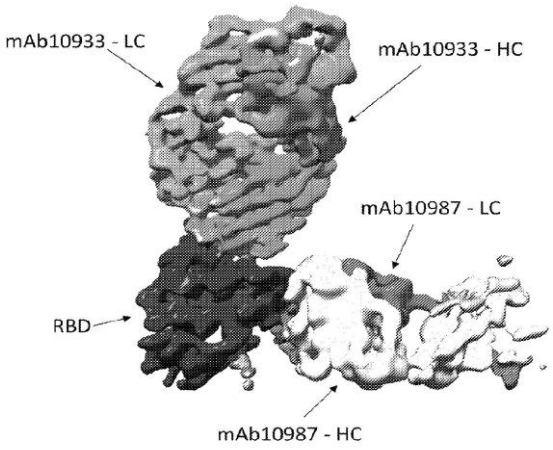


21: 2021/01555. 22: 2021/03/08. 43: 2026/09/25
51: A61K
71: BASILEA PHARMACEUTICA INTERNATIONAL AG, ALLSCHWIL
72: GREY, Michael, BRITTAIN, Jason, HODGES, Michael
33: US 31: 62/725,971 32: 2018-08-31
54: COMPOUNDS AND METHODS FOR TREATING FUNGAL INFECTIONS
00: -
Provided herein are compositions and methods of use thereof for the treatment of fungal infections and diseases.

21: 2021/02011. 22: 2021/03/25. 43: 2026/09/10
51: G01N; G06T; G06N
71: STONE THREE DIGITAL (PTY) LTD
72: HAASBROEK, Adriaan Lodewicus, STREICHER, Simon Jacobus, IRWIN, Shaun George, BOTHA, Kristo
33: ZA 31: 2018/06000 32: 2018-09-07
54: MONITORING ORE
00: -
Systems and methods for estimating the magnitude of an ore load, determining particle size distribution (PSD) of ore, recognizing foreign material in ore images, monitoring ore, and monitoring mineral processing equipment are disclosed. An image of an ore carrying vehicle is received from an image capturing device. Data relating to the ore load on the ore carrying vehicle is sensed with a scanner. An estimated magnitude of the ore load is calculated by accessing data relating to the ore load, the image data and data relating to the ore carrying vehicle. A machine-learning module is used to identify an ore region in an ore image and to recognize ore particles or objects within the image. A PSD value of the ore is calculated. An indicator that estimates the condition of mineral processing equipment is generated by using the PSD value and operating parameters.



21: 2021/02442. 22: 2021/04/07. 43: 2026/09/21
51: A61K; C07K
71: REGENERON PHARMACEUTICALS, INC.
72: YANCOPOULOS, George, D., BABB, Robert, HUANG, Tammy T., KYRATSOUS, Christos, STAHL, Neil, CHEN, Gang, OLSON, William, MURPHY, Andrew, BAUM, Alina, GERSON, Cindy, HANSEN, Johanna, LEE, Wen-Yi, MALBEC, Marine
33: US 31: 63/004,312 32: 2020-04-02
33: US 31: 63/014,687 32: 2020-04-23
33: US 31: 63/025,949 32: 2020-05-15
33: US 31: 63/034,865 32: 2020-06-04
54: ANTI-SARS-COV-2-SPIKE GLYCOPROTEIN ANTIBODIES AND ANTIGEN-BINDING FRAGMENTS
00: -
The present disclosure provides antibodies and antigen-binding fragments thereof that bind specifically to a coronavirus spike protein and methods of using such antibodies and fragments for treating or preventing viral infections (e.g., coronavirus infections). The present disclosure provides neutralizing human antigen-binding proteins that specifically bind to SARS-CoV-2-S, for example, antibodies or antigen-binding fragments thereof.



21: 2021/03710. 22: 2021/05/31. 43: 2026/09/16
51: A61B
71: ENDOGENE LIMITED
72: SWITZER, Anthony
33: AU 31: 2018904148 32: 2018-10-31
54: SELF-ADVANCING ENDOSCOPIC PROBE AND SYSTEM COMPRISING SAME
00: -
Embodiments generally relate to propulsion devices, systems, or components thereof, for progressing instruments along passages, as well as associated

methods of manufacture. For example, the instruments may include tools, sensors, probes and/or monitoring equipment for medical use (such as endoscopy) or industrial use (such as mining). The described embodiments may also be suitable for applications in other fields to progress an instrument along a passage. Some embodiments relate to an endoscope comprising or configured to receive a propulsion tube configured to assist in progressing the endoscope along a passage.

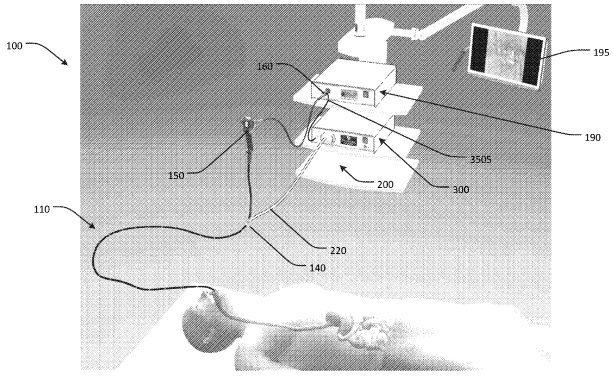


Fig.1C

21: 2021/04702. 22: 2021/07/06. 43: 2026/10/15
51: C07K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: ORENGO, Jamie, M., MURPHY, Andrew, J.
33: US 31: 62/799,851 32: 2019-02-01
54: ANTI-IL2 RECEPTOR GAMMA ANTIGEN-BINDING PROTEINS
00: -
The present invention provides antibodies and antigen-binding fragments (e.g., human antibodies) that bind specifically to human IL2 receptor gamma (IL2Rγ) Methods for treating or preventing diseases mediated by IL2Rγ (e.g., graft vs host disease) using the antibodies and fragments are also provided along with methods of making the antibodies and fragments.

21: 2021/05066. 22: 2021/07/19. 43: 2026/08/20
51: H04W
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: PERRAS, MICHELLE, AHMAD, SAAD, FERDI, SAMIR, ANWAR, KHALID
33: US 31: 62/794,052 32: 2019-01-18
54: PROCEDURES ENABLING V2X UNICAST COMMUNICATION OVER PC5 INTERFACE
00: -
Systems, methods, and instrumentalities are provided for vehicle to everything (V2X) service oriented link establishment. A first wireless transmit receive unit (WTRU) may broadcast a direct communication request message. The direct communication request message may include a first security context identifier (ID). The first WTRU may receive a direct security mode command message from a second WTRU. The direct security mode command message may include a second security context ID. The first WTRU may determine a third security context ID by combining the first security context ID and the second security context ID. The first WTRU may establish, using the third security context ID, a secure direct communication link with the second WTRU. The first WTRU may generate, based on the third security context ID, a security context entry for the secure direct communication link with the second WTRU.

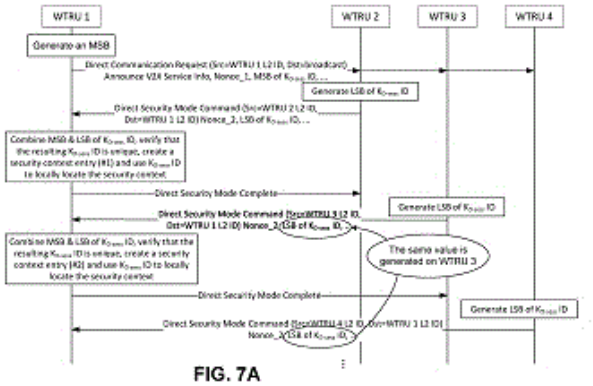
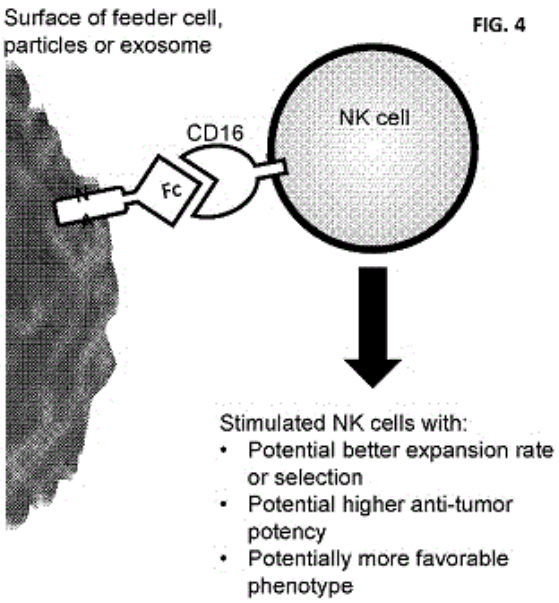


FIG. 7A

21: 2021/05103. 22: 2021/07/20. 43: 2026/09/11
51: A61K
71: PIERRE FABRE MEDICAMENT
72: MUGUET, Valérie, CORDOLIANI, Jean-François
33: FR 31: 18 73902 32: 2018-12-21
54: EMOLLIENT COMPOSITION IN EMULSION FORM
00: -
The subject matter of the present invention is a novel composition in emulsion form comprising glycerol, vaseline, and liquid paraffin as well as a particular system of preservatives and gelling agents, wherein said composition is characterised by the absence of parabens.

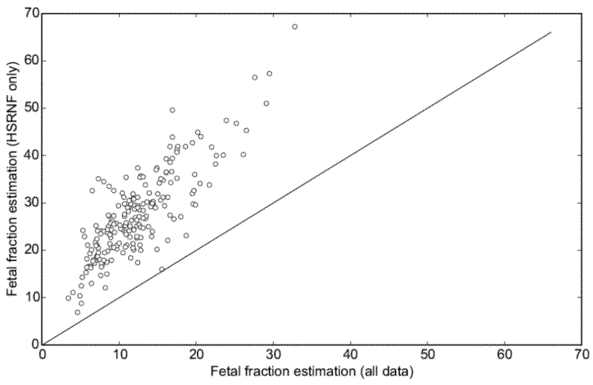
21: 2021/05153. 22: 2021/07/21. 43: 2026/08/17
51: A61K; C07K; C12N

71: UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.
72: COPIK, ALICJA, PARKS, GRIFFITH, OYER, JEREMIAH
33: US 31: 62/796,575 32: 2019-01-24
54: COMPOSITIONS AND METHODS FOR STIMULATING NATURAL KILLER CELLS
00: -
Compositions and methods for stimulating NK cell expansion and cytotoxicity are described. Therapeutic compositions and methods using expanded and stimulated NK cells are described.



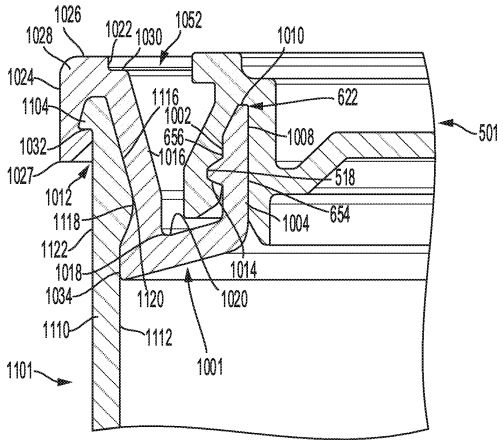
21: 2021/05484. 22: 2021/08/02. 43: 2026/09/11
51: C12Q
71: MEDICOVER PUBLIC COMPANY LTD
72: KOUMBARIS, George, ACHILLEOS, Achilleas, TSANGARAS, Kyriakos, LOIZIDES, Charalambos, IOANNIDES, Marios, PATSALIS, Philippos
33: EP 31: 19156991.2 32: 2019-02-13
54: METHODS FOR NONINVASIVE PRENATAL TESTING OF FETAL ABNORMALITIES
00: -
The present invention relates to a method for the detection of genetic and or genomic abnormalities in a mixed sample, comprising the steps of biochemical and in-silico enrichment of a subset of cell-free DNA fragments derived from the mixed sample. The invention utilizes a pool of long DNA probes to enrich for sequences of interest in the mixed sample, followed by massive parallel sequencing and a computer-based analysis of the enriched sub-population to detect a risk of genetic and or genomic abnormalities in the said sub-population of the mixed sample. The computer-based part of the method does not necessarily require alignment on a reference genome nor calibration values using reference samples. The method also comprises a kit for performing the invention.

21: 2021/05491. 22: 2021/08/02. 43: 2026/09/11
51: C12Q
71: MEDICOVER PUBLIC COMPANY LTD
72: KOUMBARIS, George, ACHILLEOS, Achilleas, IOANNIDES, Marios, PATSALIS, Philippos
33: EP 31: 19156966.4 32: 2019-02-13
54: METHOD OF DETERMINING THE ORIGIN OF NUCLEIC ACIDS IN A MIXED SAMPLE
00: -
The present invention relates to a method for determining the origin of a nucleic acid fragment, or detecting a nucleic acid fragment, in a mixture of nucleic acid fragments, comprising the steps of: a) providing a mixture of fragmented nucleic acids stemming from a eukaryotic organism, b) preparing a sequencing library from the mixture of fragmented nucleic acids, c) hybridizing one or more probes to at least one location in said library wherein the mixture of fragmented nucleic acids comprises a hot spot for non-random fragmentation (HSNRF) and said probe covers said HSNRF, d) isolating one or more fragmented nucleic acids from the mixture that are bound by the one or more probes, e) amplifying and sequencing the enriched library, f) determining the size of a fragmented nucleic acid and/or, g) determining the start and/or stop position of the fragmented nucleic acid, and h) identifying the origin of the nucleic acid fragment by utilizing the information from steps (f) and/or (g), thereby determining the origin of/ detecting the nucleic acid fragment.



21: 2021/06257. 22: 2021/08/27. 43: 2026/08/17
51: B42D
71: Koenig & Bauer Banknote Solutions SA
72: BLESOVSKY, Michael, SCHAEDE, Johannes, STEWART, Robert
54: PROCESS FOR PREPARING POLYMERIC SECURITY ARTICLES
00: -
There is described a method of manufacturing a security article, said method comprising the steps of: introducing into an offset printing device a transparent film comprising a non-fibrous substrate layer of regenerated cellulose; and disposing printed information on at least a portion of said transparent film by an offset printing step, wherein said transparent film introduced into said offset printing device further comprises an ink-receptive layer on at least one surface of said substrate layer.

21: 2021/06679. 22: 2021/09/09. 43: 2026/09/23
51: B44D; B65D
71: BWAY CORPORATION
72: LUBURIC, Frano, HOMAN, John
33: US 31: 62/810,709 32: 2019-02-26
54: IMPROVED THREE-PIECE CONTAINER ASSEMBLY
00: -
The present disclosure relates generally to containers and container lids. In at least one embodiment, the disclosed containers and container lids provide a liquid-tight seal with the inclusion of a separately attached ring that generally eliminates material-trapping seams. For example, in certain embodiments, a container and a container ring for attaching to the rim of the container is disclosed. In these embodiments, the container ring attaches to the rim of the container such that a liquid-tight vertical seal is formed, thereby reducing or eliminating material-trapping seams.



21: 2021/06917. 22: 2021/09/17. 43: 2026/09/11
51: C12Q; G01N
71: ILLUMINA, INC.
72: FISHER, Jeffrey S., KHURANA, Tarun Kumar, LESSARD-VIGER, Mathieu, WANG, Clifford Lee, WU, Yir-Shyuan
33: US 31: 62/946,717 32: 2019-12-11
54: IMMOBILIZATION IN FLOW CELLS
00: -
In an example, a target material is immobilized on two opposed sequencing surfaces of a flow cell using first and second fluids. The first fluid has a density less than a target material density and the second fluid has a density greater than the target material density; or the second fluid has a density less than the target material density and the first fluid has a density greater than the target material density. The first fluid (including the target material) is introduced into the flow cell, whereby at least some of the target material becomes immobilized by capture sites on one of the sequencing surfaces. The first fluid and non-immobilized target material are removed. The second fluid (including target material) is introduced into the flow cell, whereby at least some of the target material becomes immobilized by capture sites on another of the sequencing surfaces.

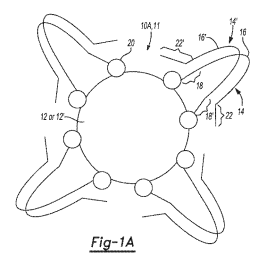


Fig-1A

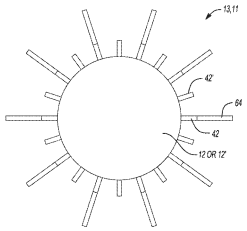


Fig-1C

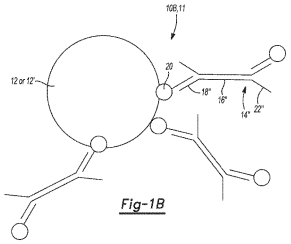


Fig-1B

21: 2021/06983. 22: 2021/09/20. 43: 2026/10/15
51: C07K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: THURSTON, Gavin, DALY, Christopher, PAPADOPOULOS, Nicholas
33: US 31: 62/832,218 32: 2019-04-10
54: HUMAN ANTIBODIES THAT BIND RET AND METHODS OF USE THEREOF
00: -
The present invention provides fully human antibodies that bind to the RET receptor tyrosine kinase, compositions comprising the antibodies and methods of use. The antibodies of the invention are useful for treating diseases, disorders, or conditions associated with expression, activation, or signaling of the RET receptor tyrosine kinase gene, or a rearranged form thereof, including cancerous conditions and the pain associated with the cancer, or for alleviating the pain associated with other conditions attributed to, at least in part, by expression, activation or signaling of RET. The antibodies specific for RET may be useful for slowing tumor cell growth or tumor cell proliferation and also for alleviating the pain associated with the cancer and other conditions. The antibodies may also be useful for diagnosis of a disease, disorder or condition associated with RET activation or signaling.

21: 2021/08203. 22: 2021/10/25. 43: 2026/09/11
51: A61K; C12N; A61P
71: SUZHOU RIBO LIFE SCIENCE CO., LTD.
72: ZHANG, Hongyan, GAO, Shan, KANG, Daiwu, TIAN, Baolei
33: CN 31: 201910431319.2 32: 2019-05-22
33: CN 31: 201910433243.7 32: 2019-05-23
54: NUCLEIC ACID, PHARMACEUTICAL COMPOSITION, CONJUGATE, PREPARATION METHOD, AND USE
00: -
An siRNA which inhibits proprotein convertase subtilisin/kexin type 9 (PCSK9) gene expression, a pharmaceutical composition containing the siRNA, and a conjugate. Each nucleotide in the siRNA is independently a modified or unmodified nucleotide. The siRNA contains a sense strand and an antisense strand. The sense strand contains nucleotide sequence I, nucleotide sequence I having the same length as the nucleotide sequence shown in SEQ ID NO: 1, with no more than three nucleotide differences. The antisense strand contains nucleotide sequence II, nucleotide sequence II having the same length as the nucleotide sequence shown in SEQ ID NO: 2, with no more than three nucleotide differences. The siRNA, the pharmaceutical composition thereof and the conjugate can effectively treat and/or prevent hypercholesterolemia.

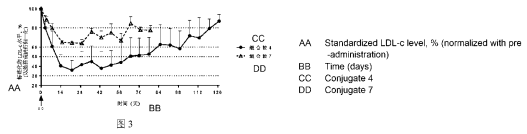
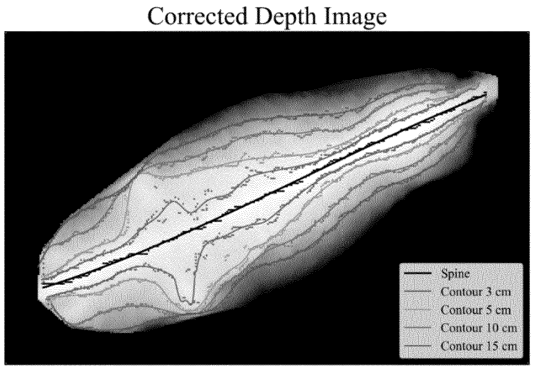


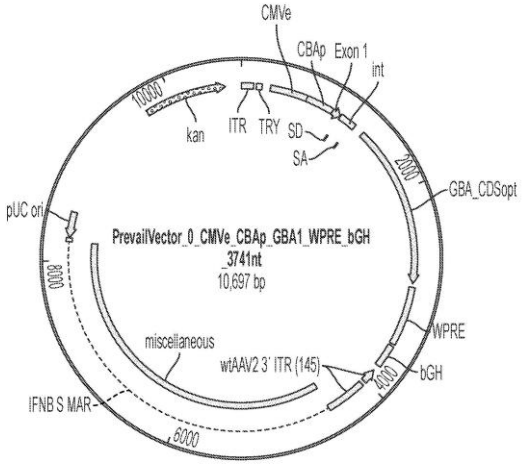
图 3

21: 2021/08205. 22: 2021/10/25. 43: 2026/09/11
51: A61K; C12N; A61P
71: SUZHOU RIBO LIFE SCIENCE CO., LTD.
72: ZHANG, Hongyan, GAO, Shan, KANG, Daiwu, LIU, Tao
33: CN 31: 201910430588.7 32: 2019-05-22
54: NUCLEIC ACID, PHARMACEUTICAL COMPOSITION, CONJUGATE, PREPARATION METHOD, AND USE
00: -
Provided are an siRNA which inhibits plasma coagulation factor XI gene expression, a pharmaceutical composition containing the siRNA, a conjugate, a reagent kit, and a use of the siRNA, the pharmaceutical composition thereof and the conjugate in preparing a drug used for treating and/or preventing thrombotic diseases and ischemic strokes.

21: 2021/08687. 22: 2021/11/05. 43: 2026/09/11
51: A01K; G01G
71: VIKING GENETICS FMBA
72: LASSEN, Jan, BORCHERSEN, Søren
33: EP 31: 19182740.1 32: 2019-06-26
54: WEIGHT DETERMINATION OF AN ANIMAL BASED ON 3D IMAGING
00: -
The present disclosure relates to determination of the weight of an animal, especially cattle, in a shed environment based on vision technology, in particular 3D imaging. A first embodiment relates to a method for determining the weight of an animal with known breed, the method comprising the steps of acquiring at least one 3D image of the back of the animal, extracting data from said at least one 3D image relating to the topology of the back of the animal, and calculating the weight of said animal by correlating the extracted data against a reference model comprising information of the topology of the back versus the weight for the breed of said animal.



21: 2021/08832. 22: 2021/11/09. 43: 2026/07/28
51: A61K; C07K; C12N
71: Prevail Therapeutics, Inc.
72: ABELIOVICH, Asa, HECKMAN, Laura, WONG, Li Chin, LIN, Hsuan-Ni, HEFTI, Franz, RHINN, Herve
33: US 31: 62/831,846 32: 2019-04-10
54: GENE THERAPIES FOR LYSOSOMAL DISORDERS
00: -
The disclosure relates to compositions and methods for treatment of diseases associated with aberrant lysosomal function, such as fronto-temporal dementia (FTD). The disclosure also provides expression constructs comprising a transgene encoding progranulin or a portion thereof. The disclosure provides methods of treating FTD by administering such expression constructs to a subject in need thereof.



21: 2022/00277. 22: 2022/01/05. 43: 2026/08/12
51: B01D
71: ARELAC, INC.
72: WEISS, MICHAEL JOSEPH, GILLIAM, RYAN
33: US 31: 62/876,711 32: 2019-07-21
54: METHODS AND SYSTEMS FOR UTILIZING CALCIUM COMPOUND FROM CALCINED LIMESTONE
00: -
Provided herein are methods comprising a) calcining limestone in a cement plant to form carbon dioxide and calcium compound selected from calcium oxide, calcium hydroxide, or combination thereof; b) treating the calcium compound with N-containing salt in water to produce an aqueous solution comprising calcium salt and N-containing salt; and c) contacting the aqueous solution with the carbon dioxide under one or more precipitation conditions to produce a precipitation material comprising calcium carbonate and a supernatant aqueous solution wherein the calcium carbonate comprises vaterite.

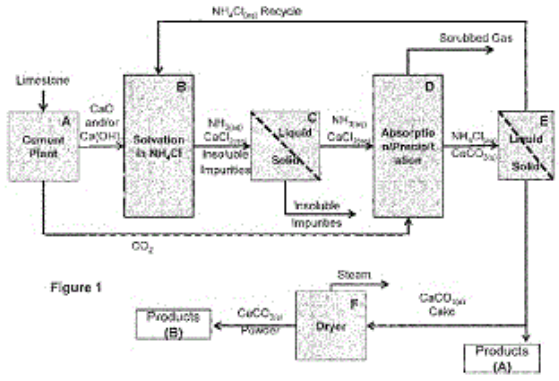


Figure 1

21: 2022/00727. 22: 2022/01/14. 43: 2026/08/19
51: A61K; A61P; C07K; C12N
71: LIPUM AB
72: HERNELL, Olle, LINDQUIST, Susanne, LUNDBERG, Lennart, PERSSON LOTSHOLM, Helena
33: SE 31: 1950888-6 32: 2019-07-12

54: NOVEL BSSL ANTIBODIES

00: -

The present invention relates to novel isolated antibodies and antigen-binding fragments thereof that bind to human Bile Salt-Stimulated Lipase (hBSSL). The antibodies and antigen-binding fragments thereof bind to a previously uncharacterized epitope, situated in the N-terminal part of hBSSL and identified as comprising the amino acid residues 7-12 and the amino acid residues 42-55. The 5 present invention also relates to the medical uses of the antibodies and/or the antigen-binding fragments thereof, in particular in treatment of inflammatory conditions, and to related pharmaceutical compositions.

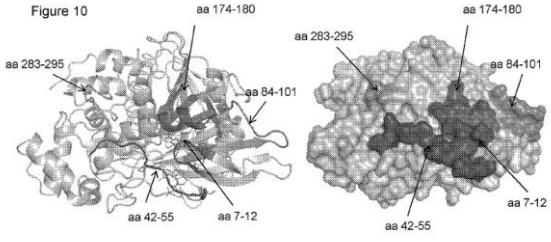


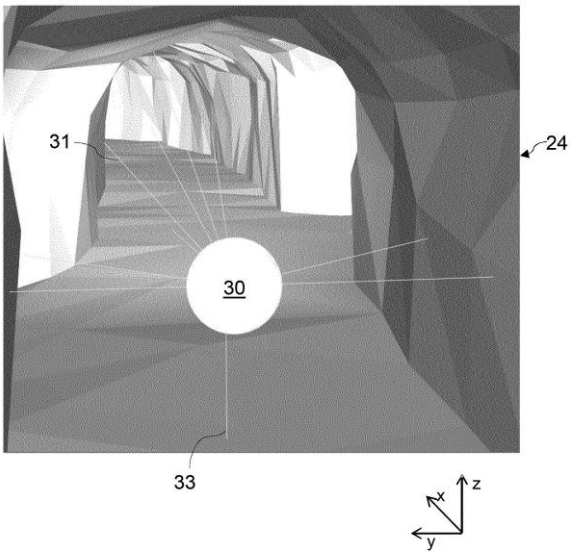
Figure 10

21: 2022/01675. 22: 2022/02/08. 43: 2026/08/24
51: G06T
71: Sandvik Mining and Construction Oy
72: MARTIKAINEN, Pekka
33: EP(FI) 31: 19198780.9 32: 2019-09-20

54: MODELLING OF UNDERGROUND WORKSITE

00: -

According to an example aspect of the present invention, there is provided a method, comprising: receiving (410) a three- dimensional input model (24) of an underground tunnel system of a worksite (1), determining (420) an initial first location in the input model for a virtual probe (30), determining (430) distances between the first location and tunnel walls on the basis of the input model; determining (440) tunnel heading on the basis of processing the determined distances, relocating (450) the virtual probe at a second location in the input model along with the determined tunnel heading, and generating (460) a logical tunnel model (50) indicative of path of the virtual probe travelling in the input model, on the basis of determined locations of the virtual probe being relocated in the input model.



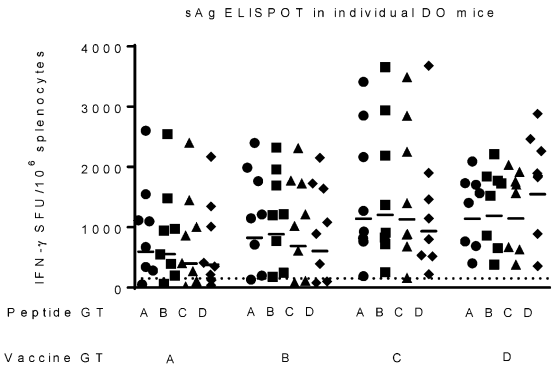
21: 2022/02795. 22: 2022/03/08. 43: 2026/09/28
51: A61K; C12N; A61P
71: Gilead Sciences, Inc.
72: BALSITIS, Scott J., DAFFIS, Stephane, AHMADI-ERBER, Sarah M., SCHIPPERS, Timo, SCHMIDT, Sarah
33: US 31: 62/908,494 32: 2019-09-30

54: HBV VACCINES AND METHODS TREATING HBV

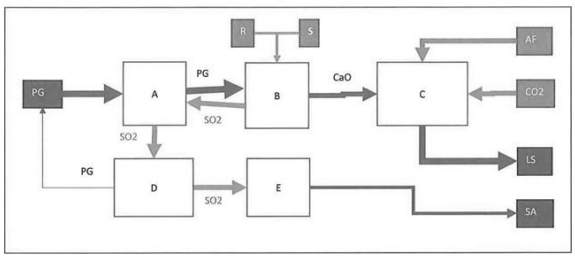
00: -

Provided are HBV immunogenic polypeptides, polynucleotides encoding such polypeptides, vectors expressing such immunogenic polypeptides for use in eliciting an immune response against HBV;

pharmaceutical and immunogenic compositions and kits comprising such polypeptides, polynucleotides or vectors, and methods of use in treating and/or preventing HBV.



21: 2022/03590. 22: 2022/03/29. 43: 2026/07/28
51: C01B
71: SAUDI ARABIAN MINING COMPANY (MA'ADEN)
72: AQEL, Malik Mohammad Odeh
33: EP 31: EP22164736.5 32: 2022-03-28
54: POLLUTED CO2 CAPTURING WITH LIME PRODUCED FROM PHOSPHOGYPSUM CALCINATION USING SULFUR AS NON-CO2 FUEL
00: -
A new integrated method to capture polluted CO_2 using CaO produced from phosphogypsum calcination using sulfur as non-CO_2 fuel where (1) both pollutants of phosphogypsum and CO_2 are transformed into environmentally neutral or useful products such as limestone or clinker and sulfuric acid; (2) low-CO_2 CaO produced from calcination of phosphogypsum with sulfur as fuel can be used to produce low-CO_2 clinker that replaces the use of high-CO_2 limestone as raw material; (3) the use of sulfur as fuel to calcine phosphogypsum allows the production of low-cost sulfuric acid.



21: 2022/04810. 22: 2022/04/29. 43: 2026/07/28
51: F27B
71: HENAN LONGCHENG COAL HIGH EFFICIENCY TECHNOLOGY APPLICATION CO., LTD
72: ZHU, Shucheng, WANG, Xibin, LI, Fang, LI, Jinfeng, LV, Yanwu, REN, Yi
33: CN 31: 202010068716.0 32: 2020-01-21
54: DYNAMIC SEALING STRUCTURE AND ROTARY KILN APPARATUS
00: -
Provided are a dynamic sealing structure and a rotary kiln apparatus, belonging to the technical field of sealing. The dynamic sealing structure comprises a kiln tail, a discharging cover, a sealing mechanism, a guiding mechanism and a balancing device. The discharging cover comprises a discharging cover cylinder and a discharging cover end face connected to same, the discharging cover cylinder is arranged on the outer side of a circumferential wall of the kiln tail in a sleeving manner, and the discharging cover end face and the end face of the kiln tail are arranged at an interval. The sealing mechanism is arranged between the discharging cover cylinder and the kiln tail and is connected to an inner wall of the discharging cover cylinder. The guiding mechanism is arranged between the inner wall of the discharging cover cylinder and the outer side of the kiln tail, and is located on one side or two sides of the sealing mechanism in the axial direction of the rotary kiln, a rotating gap is provided between the guiding mechanism and the kiln tail, and the balancing device is connected to the outer side of the discharging cover cylinder. The dynamic sealing structure has a good overall sealing effect, is suitable for being configured into a coal, oil shale or biomass pyrolysis rotary kiln, and can solve the problem of poor sealing performance caused by jumping of a rotary kiln. The rotary kiln apparatus is high in terms of practicability and wide in terms of application prospects.

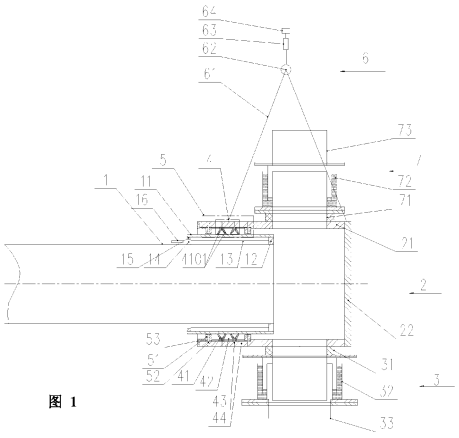
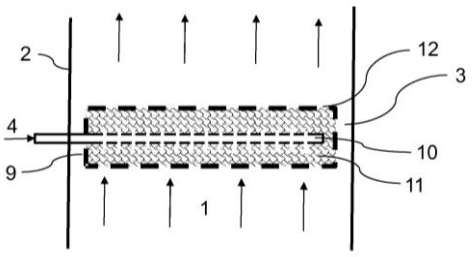
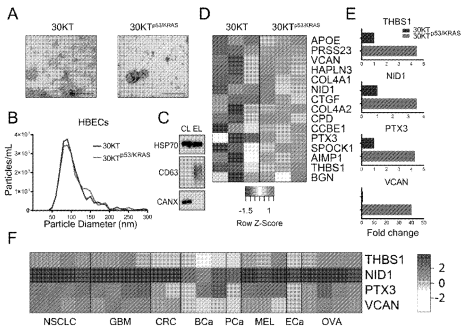


图 1

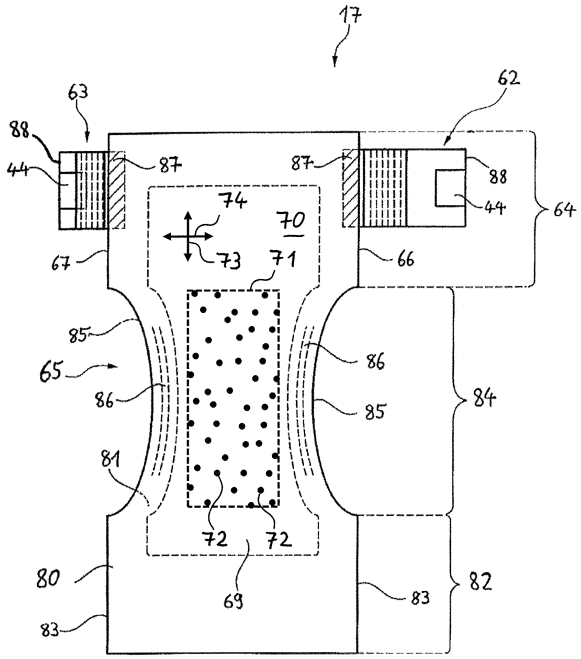
21: 2022/04986. 22: 2022/05/06. 43: 2026/08/19
51: C10K
71: TEKNOLOGIAN TUTKIMUSKESKUS VTT OY
72: KURKELA, Esa, HILTUNEN, Ilkka
33: FI 31: 20195858 32: 2019-10-08
54: METHOD AND APPARATUS FOR PURIFYING GAS AND USE
00: -
The invention relates to a method and an apparatus for purifying gas, wherein the gas (1) which comprises at least tars and/or undesired hydrocarbons is supplied to a catalytic treatment reactor (2) which comprises at least one catalyst zone (3) including at least one catalyst element (9) with a catalyst, oxygen gas (4) is fed into the catalyst element of the catalyst zone (3) in the catalytic treatment reactor and is supplied through the catalyst element, the gas (1) is arranged to flow to the catalyst zone (3) and arranged to contact with the oxygen gas (4) and the catalyst, and a purified gas (5) is discharged from the catalytic treatment reactor (2). Further, the invention relates to the use of the method.



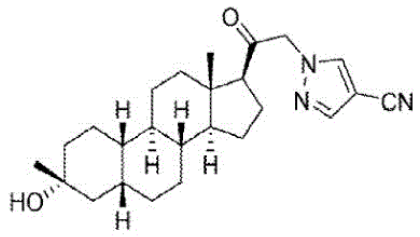
21: 2022/05395. 22: 2022/05/16. 43: 2026/09/02
51: G01N
71: THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH
72: LOBB, Richard, MÖLLER, Andreas
33: AU 31: 2019904005 32: 2019-10-24
54: A CANCER DIAGNOSTIC
00: -
The present disclosure relates to the field of cancer. More particularly, the invention relates to methods of diagnosing and treating cancer, including determining a cancer type thereof. These methods involve the detection of markers in an exosome sample of the subject.



21: 2022/05793. 22: 2022/05/25. 43: 2026/09/16
51: A61F
71: PAUL HARTMANN AG
72: BÄHRLE, Christian, ESQUERRA, Juan, GAUSE, Enno, HIDALGO, Luis, KESSELMEIER, Rüdiger, STALTER, Isabel, SWEREV, Maximilian
33: EP 31: 19218866.2 32: 2019-12-20
54: INCONTINENCE ARTICLE WITH 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, and at least portions of the incontinence article comprising a pH regulator between the topsheet and the backsheet, characterized in that the pH regulator contains monosodium citrate or disodium citrate.

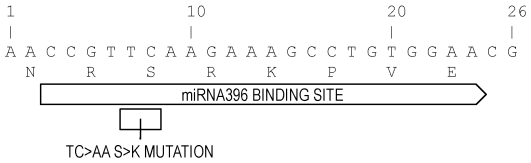


21: 2022/05991. 22: 2022/05/30. 43: 2026/09/21
51: A61K; A61P
71: SAGE THERAPEUTICS, LLC.
72: DOHERTY, James, J., KANES, Stephen, Jay, GUNDUZ-BRUCE, Handan, JONAS, Jeffrey, M., LASSER, Robert, Alfonso
33: US 31: 62/944,144 32: 2019-12-05
54: A 19-NOR C3,3-DISUBSTITUTED C21-N-PYRAZOLYL STEROID AND METHODS OF USE THEREOF
00: -
Provided herein are methods for treating depression, such as major depressive disorder, in a subject in need thereof, comprising administering to the subject an effective amount of Compound 1 or a pharmaceutically acceptable salt thereof.

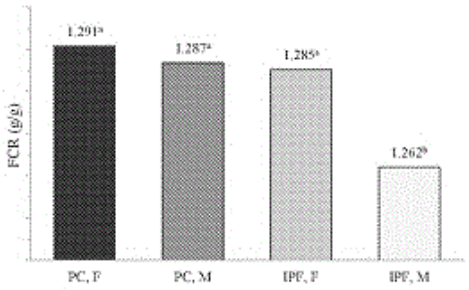


(I)

21: 2022/06281. 22: 2022/06/06. 43: 2026/09/25
51: A01H; C12N
71: PAIRWISE PLANTS SERVICES, INC.
72: CRAWFORD, Brian Charles Wilding
33: US 31: 62/951,593 32: 2019-12-20
54: MUTATION OF GROWTH REGULATING FACTOR FAMILY TRANSCRIPTION FACTORS FOR ENHANCED PLANT GROWTH
00: -
This invention relates to compositions and methods for modifying Growth Regulating Factor (GRF) family transcription factors in plants to produce plants having improved phenotypic characteristics including increased growth. The invention further relates to plants produced using the methods and compositions of the invention.

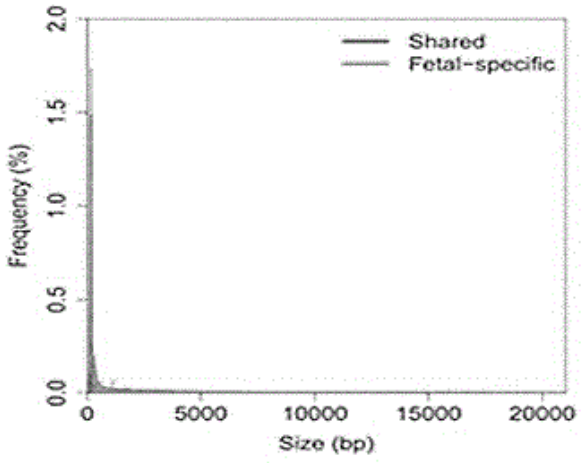


21: 2022/07329. 22: 2022/07/01. 43: 2026/08/12
51: A23K
71: INTERNATIONAL N&H DENMARK APS
72: MARCHAL, LEON, LI, YUEMING DERSJANT, BELLO, ABIODUN
33: US 31: 62/950,747 32: 2019-12-19
33: US 31: 63/075,972 32: 2020-09-09
54: DIET FORMULATIONS
00: -
Provided herein are poultry diets containing phytase polypeptides or fragments thereof wherein the diet contains no or substantially no inorganic phosphate.

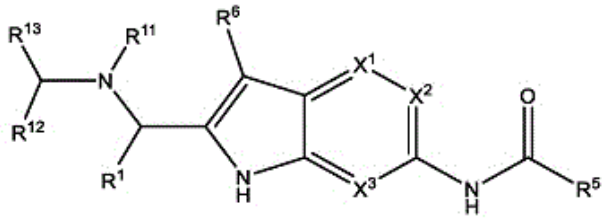


21: 2022/07393. 22: 2022/07/04. 43: 2026/08/06
51: C12Q; G16B
71: THE CHINESE UNIVERSITY OF HONG KONG
72: LO, YUK-MING DENNIS, CHIU, ROSSA WAI KWUN, CHAN, KWAN CHEE, JIANG, PEIYONG, CHENG, SUK HANG, YU, CHEUK YIN, CHEUNG, YEE TING, PENG, WENLEI

33: US 31: 63/135,486 32: 2021-01-08
33: US 31: 62/970,634 32: 2020-02-05
54: MOLECULAR ANALYSES USING LONG CELL-FREE FRAGMENTS IN PREGNANCY
00: -
Methods and systems described herein involve using long cell-free DNA fragments to analyze a biological sample from a pregnant subject. The status of methylated CpG sites and single nucleotide polymorphisms (SNPs) is often used to analyze DNA fragments of a biological sample. A CpG site and a SNP are typically separated from the nearest CpG site or SNP by hundreds or thousands of base pairs. Finding two or more consecutive CpG sites or SNPs on most cell-free DNA fragments is improbable or impossible. Cell-free DNA fragments longer than 600 bp may include multiple CpG sites and/or SNPs. The presence of multiple CpG sites and/or SNPs on long cell-free DNA fragments may allow for analysis than with short cell-free DNA fragments alone. The long cell-free DNA fragments can be used to identify a tissue of origin and/or to provide information on a fetus in a pregnant female.



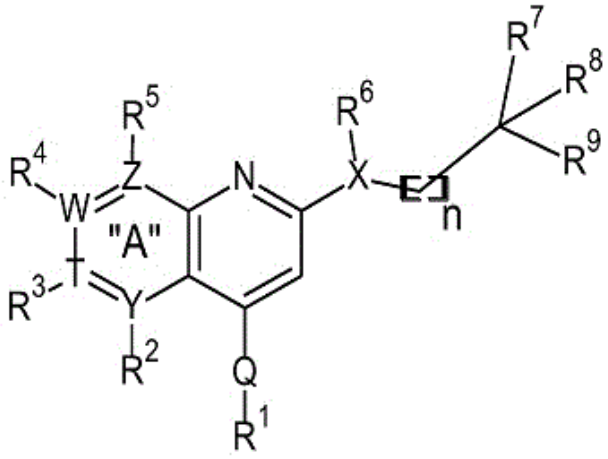
21: 2022/07666. 22: 2022/07/11. 43: 2026/08/06
51: A61K; C07D; A61P
71: BRIDGE MEDICINES, LLC, THE ROCKEFELLER UNIVERSITY
72: KHAN, TANWEER A, LIVERTON, NIGEL, FUKASE, YOSHIYUKI, MICHINO, MAYAKO, STAMFORD, ANDREW W, MILLER, MICHAEL W, HUGGINS, DAVID, MEINKE, PETER, ALLIS, C. DAVID, WAN, LILING, VACCA, JOSEPH, LADDUWAHETTY, TAMMY
33: US 31: 62/949,160 32: 2019-12-17
54: INHIBITORS OF ENL/AF9 YEATS
00: -
Methods and compositions for treating leukemia are disclosed. Acylated 6-aminoindoles, acylated 6-aminopyrrolopyridines and acylated 3-aminopyrrolo[3,2-c]pyridazines of the following formula inhibit ENL/AF^{9}YEATS and are therefore useful for treating leukemia.



21: 2022/07788. 22: 2022/07/13. 43: 2026/08/19
51: C07D; A61K; C07C; A61P; A61K
71: SKINOSIVE
72: POULETTY, Philippe, CARNIATO, Denis, RAULT, Isabelle
33: EP 31: 19306696.6 32: 2019-12-19
54: ADHESIVE PHOTOPROTECTIVE COMPOUNDS AND USES THEREOF
00: -
The present invention relates to a compound represented by the following formula (I): $A[B-(C)_v]_w$, wherein A is a photoprotective moiety, B is a linker, C is a functional group, v is an integer from 1 to 2000, and w is an integer from 1 to 6. It also relates to a composition comprising the same and, more particularly, to a cosmetic or a sunscreen composition. It also relates to the use of such compounds in cosmetic and therapeutic applications. The invention also relates to the use of such compounds for reducing photodegradation and/or photoinstability of pharmaceuticals and cosmetics. The invention further relates to a material comprising a support and such a compound adhered to said support.

21: 2022/07906. 22: 2022/07/15. 43: 2026/08/06
51: A61K
71: CRESCENTA BIOSCIENCES
72: KOYUNCU, EMRE, KIM, HAHN
33: US 31: 62/963,508 32: 2020-01-20
54: NOVEL CELL METABOLISM MODULATING COMPOUNDS AND USES THEREOF
00: -
A class of compounds that bind to fatty acid binding protein (FABP4) and modulate adipocyte metabolism to drive enhanced glucose utilization, as

well as pharmaceutical compositions comprising the class of compounds, in combination with a pharmaceutically acceptable diluent or carrier, and optionally, further in combination with a therapeutically active agent, and the use of these compounds in medicine and for the preparation of a medicament in the treatment of disorders acting on the FABP4.



Formula I

21: 2022/08108. 22: 2022/07/20. 43: 2026/08/06
51: A01G
71: INVAIO SCIENCES INTERNATIONAL GMBH
72: WIDMER, URS, OEHL, MICHAEL CHRISTIAN, SCHÜPBACH, LUKAS RUDOLF, CHETTOOR, ANTONY MATHAI, VERWEIRE, DIMITRI
33: US 31: 62/967,555 32: 2020-01-29
33: US 31: 63/073,690 32: 2020-09-02
33: US 31: 63/073,797 32: 2020-09-02
33: US 31: 63/073,688 32: 2020-09-02

54: INJECTION SYSTEMS, INJECTION TOOLS AND METHODS FOR SAME

00: -

A plant injection system includes an injection tool configured to penetrate a plant and distribute a liquid formulation to the plant. The injection tool includes a base having a plurality of inlet ports and a penetrating distribution body extending along a longitudinal body axis. The penetrating distribution body includes a penetrating element to penetrate the plant, and one or more distribution ports in communication with the inlet ports to distribute the liquid formulation to the plant. The injection tools is configured to precisely inject liquid formulation into the vascular system of the plant.

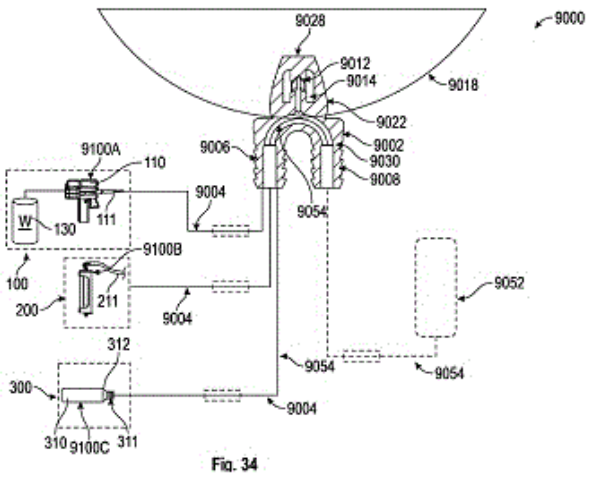


Fig. 34

21: 2022/08226. 22: 2022/07/22. 43: 2026/08/06
51: B01D
71: METSO FINLAND OY
72: MUSTAKANGAS, MIRVA, JUVONEN, ISMO, KAIPAINEN, JANNE, ELORANTA, TEEMU, ILLI, MIKA, VÄNTTINEN, KARI

54: A FILTER DIAPHRAGM FOR A HORIZONTAL PLATE AND FRAME -TYPE FILTER, SUCH AS A TOWER PRESS

00: -

A filter diaphragm (1) for a horizontal plate and frame -type filter, such as a tower press, comprising a sheet like body (2) and at least on a filter plate - facing side (1d) thereof, a continuous seal bead (3). The seal bead comprises an inner seal lip (4) on a lateral inside (1a) of the seal bead (3) and an outer seal lip (5) surrounding the inner seal lip (4) on a lateral outside (1b) of the seal bead (1). The outer seal lip (5) is elevated from the inner seal lip (4) in a vertical direction perpendicular to a general plane defined by the diaphragm (1).

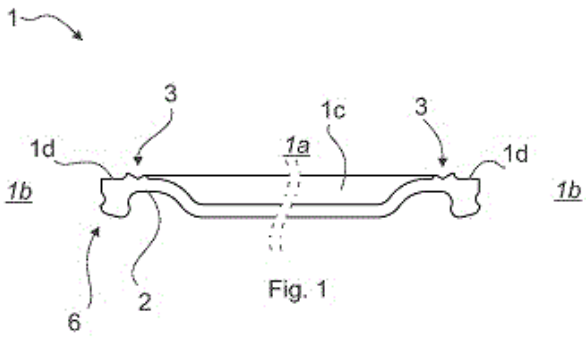
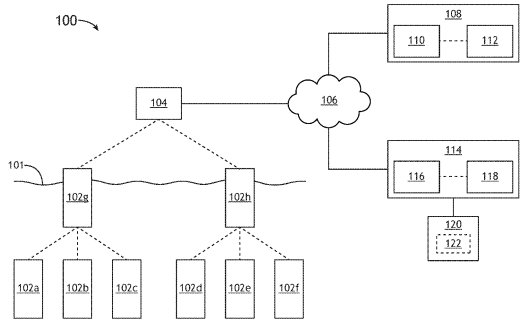
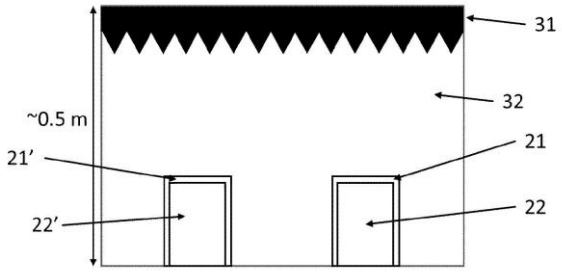


Fig. 1

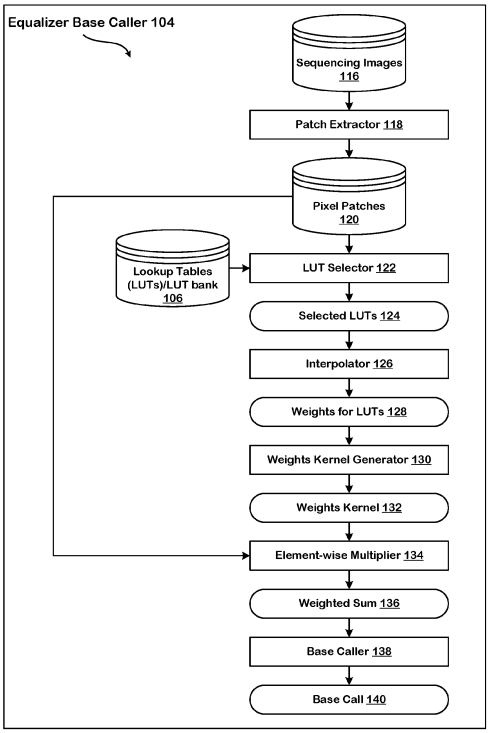
21: 2022/10015. 22: 2022/09/08. 43: 2026/09/18
51: G01N; G05B
71: REALMFIVE, INC.
72: BURKEY, Brant, TIPPERY, Steve R., ADKINS, Tim, PFRENGER, Jochen, PICKERILL, Dan
33: US 31: 62/596,444 32: 2017-12-08
33: US 31: 16/215,261 32: 2018-12-10
54: SYSTEM AND METHOD FOR UNDERGROUND WIRELESS SENSOR COMMUNICATION
00: -
A system for collecting data associated with one or more sub-surface characteristics of a material is provided. The system may include a plurality of sensor nodes configured to collect data regarding the one or more sub-surface material characteristics and transmit the collected data to a data gateway. The data gateway may be configured to receive the collected data from the plurality of sensor nodes and store the collected data in memory. The system may also include a controller configured to receive the collected data from the data gateway via a network. The controller may be further configured to display data associated with the one or more sub-surface material characteristics.



21: 2022/10486. 22: 2022/09/21. 43: 2026/08/17
51: C25C
71: Norsk Hydro ASA
72: SUNDHEIM JENSEN, Morten
54: CATHODE BLOCKS FOR ALUMINIUM ELECTROYSIS AND A METHOD FOR PRODUCING SAME
00: -
The present invention relates to a cathode block and a method for producing such cathode block (32), to be rodded with cathode bars (22, 22') and installed as a cathode assembly in a Hall-Heroult cell for electrolytic production of aluminium, where green pre-fabricated segments (31) of a composite material comprising hard material powders such as TiB_2, HfB_2, ZrB_2, CrB_2, WB_2, or refectory metal carbide powder such as SiC, Cr_3C_2, B_4C, TiC, or $A1_2O_3$, and coke and pitch, are formed in a small vibromould. These green composite segments (31) are then arranged selected areas in the bottom of a larger vibromould for making the cathode blocks, wherein the carbonaceous cathode paste is entered into the form, and the cathode paste the prefabricated segments are exposed to a forming process in the vibromould, fusing the pre-fabricated composite segments (31) with the cathode paste, thus forming a green cathode block with an integrated composite layer. The cathode block (32) is then baked and graphitized in a similar manner as for conventional cathode blocks.

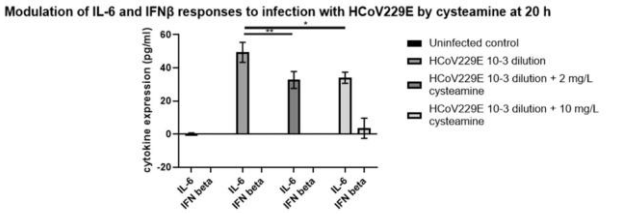


21: 2022/10948. 22: 2022/10/05. 43: 2026/09/16
51: G06T
71: ILLUMINA, INC.
72: OJARD, Eric Jon, MEHIO, Rami, PARNABY, Gavin Derek, UDPA, Nitin, VIECELI, John S.
33: US 31: 63/020,449 32: 2020-05-05
33: US 31: 17/308,035 32: 2021-05-04
54: EQUALIZATION-BASED IMAGE PROCESSING AND SPATIAL CROSSTALK ATTENUATOR
00: -
The technology disclosed attenuates spatial crosstalk from sequencing images for base calling. In particular, the technology disclosed accesses an image whose pixels depict intensity emissions from a target cluster and intensity emissions from additional adjacent clusters. The pixels include a center pixel that contains a center of the target cluster. Each pixel in the pixels is divisible into a plurality of subpixels. Depending upon a particular subpixel, in a plurality of subpixels of the center pixel, which contains the center of the target cluster, the technology disclosed selects, from a bank of subpixel lookup tables, a subpixel lookup table that corresponds to the particular subpixel. The selected subpixel lookup table contains pixel coefficients that are configured to maximizes a signal-to-noise ratio. The technology disclosed element-wise multiplies the pixel coefficients with the pixels and determines a weighted sum.



21: 2022/12451. 22: 2022/11/15. 43: 2026/08/13
51: A01N; A01P
71: UPL Corporation Limited, UPL Europe Ltd
72: SILVA, Ferdinando Marcos Lima
33: IN 31: 202011020608 32: 2020-05-15
54: HERBICIDAL COMBINATION AND METHOD OF CONTROLLING HERBICIDE RESISTANT WEEDS
00: -
The present invention relates to a method for the effective control of undesired weeds. Particularly, the present invention relates to a method of controlling undesired weeds that are resistant to herbicides.

21: 2022/12501. 22: 2022/11/16. 43: 2026/09/10
51: A61K; A61P
71: NOVABIOTICS LIMITED
72: O'NEIL, Deborah, FRASER-PITT, Douglas
33: GB 31: 2007768.1 32: 2020-05-25
33: GB 31: 2012298.2 32: 2020-08-07
33: GB 31: 2102106.8 32: 2021-02-15
54: ANTI-VIRAL THERAPY
00: -
The invention relates to the use of compounds, and compositions comprising such compounds, for treating viral infection. More specifically, the compounds for use in the invention are comprised of structural formula (1), or a pharmaceutically acceptable salt thereof. The invention also relates to the compounds for use in treating hyperinflammation.

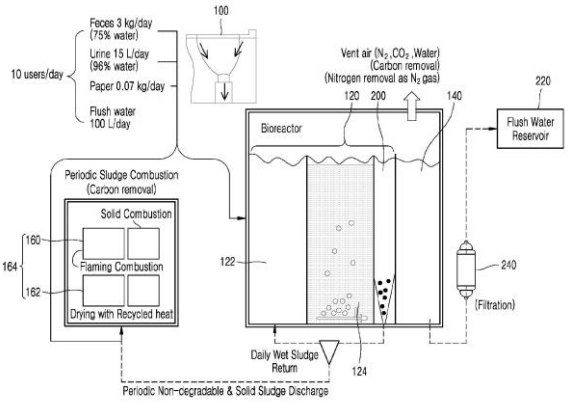


21: 2022/12767. 22: 2022/11/23. 43: 2026/08/24
51: A01N
71: Valent BioSciences LLC
72: BELKIND, Benjamin A., CLARK, Jason, KESAVARAJU, Banugopan, DECHANT, Peter
33: US 31: 63/037,285 32: 2020-06-10
54: A MIXTURE OF PYRETHROIDS AND MECTINS AND USES THEREOF
00: -
The present invention is directed to a pesticidal mixture comprising one or more mectins and one or more pyrethroids. The present invention is further directed to a method of controlling pests comprising applying a mixture of the present invention to an area in need of pest control.

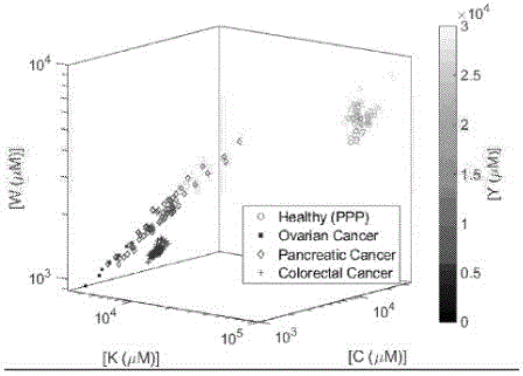
21: 2022/13491. 22: 2022/12/13. 43: 2026/08/24
51: A01N
71: UPL Limited
72: BORANE, Mahesh Dharma, CHAVAN, Popat Ganesh, MORE, Pravin Namadeo
33: IN 31: 202021020816 32: 2020-05-18
54: A STABILIZATION SYSTEM FOR AN AGROCHEMICAL COMPOSITION
00: -
The present invention provides a stabilization system for an agrochemical composition comprising at least one steric stabilizer and at least one static stabilizer. The present invention further provides an aqueous insecticidal composition comprising at least one insecticide and said stabilization system. The present invention also discloses process of preparing aqueous insecticidal composition, a method of controlling pests and use of said composition as insecticide.

21: 2022/13867. 22: 2022/12/21. 43: 2026/08/24

51: C02F
71: Samsung Electronics Co., Ltd.
72: KIM, Nagjong, KIM, Ginam, CHANG, Wonsuk, HWANG, Seungsik
33: US 31: 63/030,759 32: 2020-05-27
54: HOME TOILET WASTE TREATMENT SYSTEM COMPRISING BIO-TREATMENT DEVICE AND COMBUSTION DEVICE, AND METHOD FOR TREATING TOILET WASTE BY USING SAME
00: -
Provided are a home toilet waste treatment system comprising a solid-liquid separating toilet, a bio-treatment device, a sterilization device, and a combustion device, and a method for treating toilet waste by using same. The combustion device complements the slow bio-treatment device to allow home toilet waste to be continuously treated in a unit space having no long-distance pipe connection.



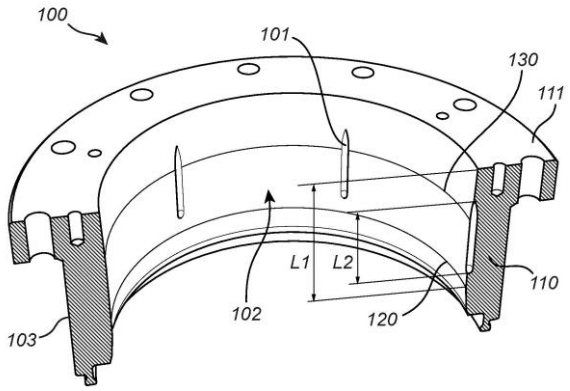
21: 2023/01500. 22: 2023/02/06. 43: 2026/10/13
51: G01N
71: PROTEOTYPE DIAGNOSTICS LTD
72: YATES, Emma Victoria
33: GB 31: 2012749.4 32: 2020-08-14
33: GB 31: 2110514.3 32: 2021-07-21
54: METHODS OF IDENTIFYING THE PRESENCE AND/OR CONCENTRATION AND/OR AMOUNT OF PROTEINS OR PROTEOMES
00: -
The present disclosure relates to methods of identifying the presence and/or concentration and/or amount of one or more proteins, peptides, oligopeptides, polypeptides, protein complexes, subproteomes, or proteomes of interest within a sample based on the measured label, amino acid concentration, or number of amino acids of two or more labelled amino acid types in the sample.



21: 2023/03683. 22: 2023/03/17. 43: 2026/08/20
51: A61K; A61Q
71: Colgate-Palmolive Company
72: DOGO-ISONAGIE, Cajetan, CHOPRA, Suman
33: US 31: 63/293,355 32: 2021-12-23
33: US 31: 63/293,345 32: 2021-12-23
54: PEROXYMONOSULFATE ORAL COMPOSITIONS FOR TOOTH WHITENING
00: -
The present disclosure provides tooth whitening oral care compositions comprising potassium peroxymonosulfate having improved stability, and methods of using the same.

21: 2023/04023. 22: 2023/03/30. 43: 2026/07/31
51: B02C
71: Sandvik SRP AB
72: JOHANSSON, Jan, GUNNARSSON, Johan
54: GYRATORY CRUSHER SPIDER BUSHING
00: -
A gyratory crusher spider bushing (100) for positioning radially intermediate a top shell spider (10) and a crusher main shaft (2) configured for gyroscopic precession within a crusher, the bushing comprising: a cylindrical main body (110) with an inside surface (102) and an outside surface (103) centered around mainly vertically orientated longitudinal axis (A); a collar (111) arranged in connection to the top end of the gyratory crusher spider bushing (100); the inside surface (102) comprising a fulcrum point (120) having the smallest diameter of the gyratory crusher spider bushing (100), wherein an angle (a) defines the inside surface (102) inclination above/below the fulcrum point (120) in relation to the longitudinal axis (A), and wherein an inside length (L1) is defined from the fulcrum point (120) to the top end of the collar (111); a plurality of longitudinal cutouts (101) located at the

inside of the annular body, wherein the cutouts (101) are partly recessed in the inside surface (102); and wherein the cutouts have a length (L2) of which the lowermost part is located at or above the region of the fulcrum point (120).



21: 2023/04070. 22: 2023/03/31. 43: 2026/07/30
51: A01N
71: UPL do Brasil Industria e Comercio de Insumos Agropecuarios S.A., UPL Corporation Limited
72: LIMA SILVA, Ferdinando Marcos, QUEIROZ, Ana Flávia
33: BR 31: 10 2020 020168 9 32: 2020-10-01
54: PHOTOSTABLE COMPOSITION AND METHOD OF REDUCING OR CONTROLLING WEED POPULATION APPLYING SAID COMPOSITION
00: -
The present invention discloses a photostable composition and method of reducing or controlling weed population applying said composition. The present invention provides compositions of triazolone herbicides protected from photodamage with the help of photoprotective agents.

21: 2023/04170. 22: 2023/04/05. 43: 2026/08/05
51: C07D; A61K
71: LEUKOS BIOTECH, S.L., FUNDACIÓ INSTITUT DE RECERCA CONTRA LA LEUCÈMIA JOSEP CARRERAS
72: CASTRO- PALOMINO LARIA, JULIO, CAMACHO GÓMEZ, JUAN ALBERTO, MUÑOZ RISUEÑO, RUTH, CLÉMENT-DEMANGE, LISE
33: EP 31: 20382888.4 32: 2020-10-08
54: POTENT AND SELCTIVE COMPOUNDS AS SEROTONIN 1B RECEPTOR MODULATORS
00: -
The present invention relates to new compounds of formula (I): as modulators of serotonin receptor 1B (5-HTR1B) also known as 5-hydroxytryptamine receptor 1B (5-HT1B). The compounds are of potential utility in the treatment of diseases and conditions mediated by serotonin receptor type 1B (5-HTR1B), such as cancer, including blood cancer and solid tumors, respiratory diseases and hepatic disorders.

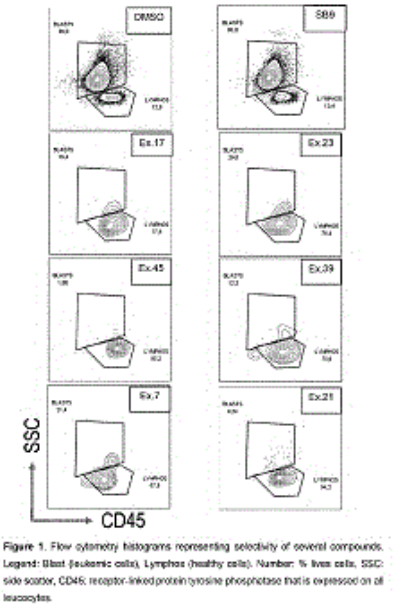
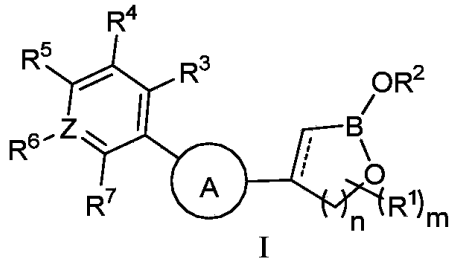


Figure 1. Flow cytometry histograms representing selectivity of several compounds. Legend: Blast (leukemic cells), Lymphos (healthy cells). Number: % lives cells. SSC: side scatter, CD45: receptor-linked protein tyrosine phosphatase that is expressed on all leucocytes.

21: 2023/05126. 22: 2023/05/09. 43: 2026/09/10
51: C07C; C07D; A61P
71: INIPHARM, INC.
72: ANANDAN, Sampath Kumar, ODINGO, Joshua, HSU, Heather Kay Webb, FLORIO, Vincent, TANTRY, Subramanyam Janardhan, DURAISWAMY, Athisayamani Jeyaraj
33: US 31: 63/113,555 32: 2020-11-13
33: US 31: 63/113,557 32: 2020-11-13
33: US 31: 63/170,855 32: 2021-04-05
33: US 31: 63/225,282 32: 2021-07-23
54: DICHLOROPHENOL HSD17B13 INHIBITORS AND USES THEREOF
00: -
Described herein are HSD17B13 inhibitors and pharmaceutical compositions comprising said inhibitors. The subject compounds and compositions are useful for the treatment of liver disease, metabolic disease, or cardiovascular disease, such as NAFLD or NASH, or drug induced liver injury (DILI).

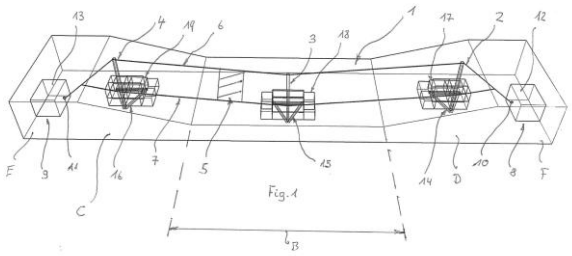
21: 2023/06184. 22: 2023/06/12. 43: 2026/09/30
51: C21D; C22C
71: ACERINOX EUROPA, S.A.U., FUNDACIÓN TECNALIA RESEARCH & INNOVATION
72: ALMAGRO BELLO, Juan F., CONTRERAS FORTES, Julia, LÓPEZ CALLE, Javier, SÁNCHEZ RODRÍGUEZ, Rafael, CARRILLO FERNÁNDEZ, Ana Rosa, GARCÍA ALONSO, José Carlos, GUTIÉRREZ SECO, Teresa, PÉREZ BILBAO, Iñaki, AMONDARAIN VELASCO, Zuriñe, GRIMWOOD, Joe, SMITH, Sullivan, D'ANGELO, Giuseppe, TEDESCO, Michele Maria
33: EP 31: 20382982.5 32: 2020-11-13
54: LOW NI CONTENT AUSTENITIC STAINLESS STEEL WITH HIGH STRENGTH / DUCTILITY PROPERTIES
00: -
Austenitic Stainless Steel alloy compositions are provided with reduced Ni content. These alloys, combined with a process that includes a martensite thermomechanical treatment with a thickness reduction preferably higher than 65%, provides a new generation of Advanced High Strength Steels with combination of tensile strength and total elongation in the range of 1000 MPa/ 35-55% to 1350 MPa/ 25-45% and good formability and weldability properties, which are useful in the manufacture of many products, particularly in the car industry.

21: 2023/06244. 22: 2023/06/14. 43: 2026/09/18
51: A61K; C07F; A61P
71: REISTONE BIOPHARMA COMPANY LIMITED
72: WANG, Zhongli, HAO, Xin, LIU, Sang
33: CN 31: 202011558776.7 32: 2020-12-25
33: CN 31: 202110356037.8 32: 2021-04-01
33: CN 31: 202111419717.6 32: 2021-11-26
54: BORATE DERIVATIVE AND USES THEREOF
00: -
Provided are a compound as represented by formula I or a pharmaceutically acceptable salt thereof, and applications of the compound in preparing a medicament for preventing and/or treating a PDE-related disorder.



I

21: 2023/06705. 22: 2023/06/29. 43: 2026/07/31
51: E01F
71: Trumer Schutzbauten Ges.m.b.H
72: BICHLER, Ahren, STELZER, Gernot, JAKOB, Matthias, STROUTH, Alex
33: DE 31: 10 2020 131 687.9 32: 2020-11-30
54: PROTECTIVE STRUCTURE, AND METHOD FOR DISSIPATING TENSILE LOAD INTRODUCED INTO A SUPPORTING CABLE OF A SUPPORTING-CABLE ASSEMBLY OF THE PROTECTIVE STRUCTURE
00: -
The invention relates to a protective structure (1), comprising: - a plurality of supports (2, 3, 4) spaced apart from each other; - a catching device (5), which is guided on the supports (2, 3, 4) by means of at least one supporting-cable assembly (6, 7); and - ground anchoring (8, 9) for free ends (10, 11) of the at least one supporting-cable assembly (6, 7), the ground anchoring (8, 9) being in the form of deadman anchoring.

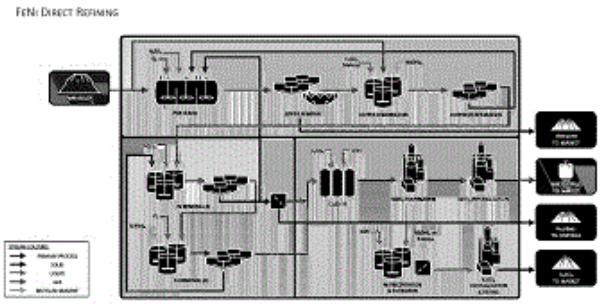


21: 2023/06811. 22: 2023/07/04. 43: 2026/08/05
51: C22B
71: HATCH LTD.
72: FRASER, ROBERT JOHN, FOSSENIER, JACQUELINE, NEISIANI, MARYAM, HARKOUK, LOUIZA KAHINA, NAZARI, AMIR MOHAMMAD, LIU, FANGYU
33: US 31: 63/133,692 32: 2021-01-04
54: FERRONICKEL ALLOY DIRECT REFINING PROCESSES AND PROCESSES FOR

PRODUCING NICKEL SULFATE OR OTHER NICKEL PRODUCTS

00: -

Processes and methods for refining ferronickel alloy, and producing nickel sulfate or other nickel product, are provided, where the ferronickel alloy is treated with an oxidizing leach. The oxidizing leach may be, for example, a pressure oxidation (POX) leach or a leach with peroxide or copper (II) ions. The treatment may be in the presence of added copper, such as by providing a copper sulfate solution. Producing nickel sulfate may comprise removing copper and iron after the leach, removing impurities, and either crystallizing the nickel sulfate or precipitating/winning another nickel product.

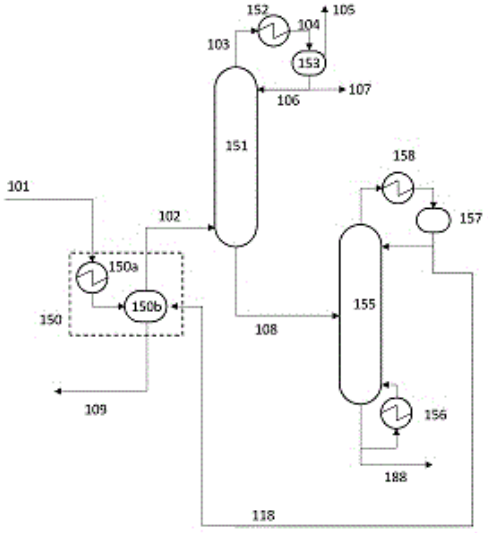


21: 2023/06853. 22: 2023/07/05. 43: 2026/08/05
51: C07C
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: SMIDT, MARTIN
33: GB 31: 2102673.7 32: 2021-02-25

54: PROCESS FOR SEPARATING HEAVY BY-PRODUCTS AND CATALYST LIGAN FROM A VAPOUR STREAM COMPRISING ALDEHYDE

00: -

A process for separating heavy by-products and catalyst ligand from a vapour stream comprising aldehyde, the heavy by-products and the catalyst ligand is disclosed. The process comprises: passing the vapour stream to a fractionator in which the vapour stream is contacted with liquid aldehyde which removes at least a portion of the catalyst ligand and at least a portion of the heavy by-products from the vapour stream; recovering a liquid bottom stream, comprising removed catalyst ligand, removed heavy by-products and some of the aldehyde, from the fractionator; recovering a scrubbed vapour stream from the fractionator; condensing a first portion of the scrubbed vapour stream to create the liquid aldehyde, for reflux back to the fractionator; and recovering a second portion of the scrubbed vapour stream as a product aldehyde stream. The liquid bottom stream is passed to a separation system to separate at least some aldehyde from the liquid bottom stream to create a recovered aldehyde stream, comprising the separated aldehyde, and a waste stream comprising the removed catalyst ligand and the removed heavy by-products.

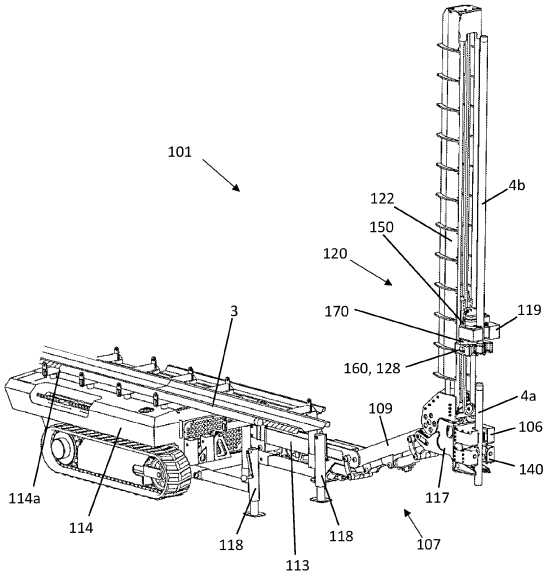


21: 2023/06950. 22: 2023/07/10. 43: 2026/07/28
51: E21B
71: COREMAX LIMITED
72: WEST, Gregory Donald, POWELL, Peter Evan
33: NZ 31: 770690 32: 2020-12-03

54: A CORE SAMPLE HANDLING DEVICE

00: -

A device for handling core samples during a core sample drilling operation. In use the core sample is received in a string of inner tubes within a drill string. The device comprises a clamp and a coupling mechanism. The clamp is configured to grip a lower inner tube below a joint between the lower inner tube and an adjacent upper inner tube of the string of inner tubes, with the lower tube received in the drill string and with the joint exposed above a top end of the drill string. The coupling mechanism is configured to engage the upper inner tube and/or the joint and operate to uncouple the upper inner tube from the lower inner tube.



21: 2023/07054. 22: 2023/07/13. 43: 2026/08/13
51: D21H; B32B
71: KLABIN S.A.
72: DA SILVA, JULIANA CRISTINA, VIEIRA, OSVALDO, FRANCO DA QUINTA, RICARDO SILVA, BARRETO CABRAL, VITOR
33: BR 31: BR 10 2021 001514 4 32: 2021-01-27
54: WHITE TOP KRAFTLINER PAPER, METHOD FOR PRODUCING SAID PAPER, USE OF THE PAPER AND PACKAGING
00: -
The present invention relates to white top kraftliner paper comprising two to three plies of bleached or unbleached chemical fibres, in which the plies total 100% eucalyptus short chemical fibre, and at least one pulp additive. It also relates to the method for producing said paper, the use of said paper and packaging produced with said paper.

21: 2023/07102. 22: 2023/07/14. 43: 2026/08/13
51: A61F; A61B
71: SKULLE IMPLANTS OY
72: VALLITTU, PEKKA
33: EP 31: 21162550.4 32: 2021-03-15
54: IMPLANT
00: -
The present invention relates to an implant (1, 30, 50, 70) comprising a non-metallic structural part (4, 38, 73) made of a fibre reinforced composite and having isoelastic properties with bone. The implant also comprises a first reference stress level sensor (6, 31, 51, 76) arranged in connection with the structural part, and a second osseointegration level sensor (7, 32, 52, 77) arranged on a surface of the structural part and capable of becoming attached to the bone during osseointegration of the implant.

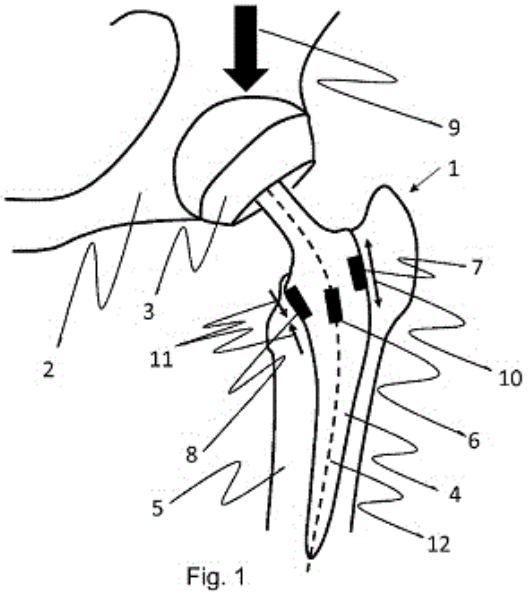
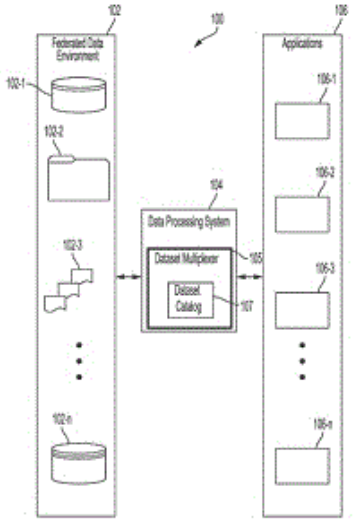


Fig. 1

21: 2023/07152. 22: 2023/07/17. 43: 2026/08/13
51: G06F
71: AB INITIO TECHNOLOGY LLC
72: WEISMAN, AMIT, FANTASIA, CORY CHRISTOPHER JAMES, BECKER, MATTHEW DOUGLAS, SCHECHTER, IAN ROBERT, BACH, EDWARD ALAN, PARKS, ROBERT
33: US 31: 63/143,898 32: 2021-01-31
33: US 31: 63/163,709 32: 2021-03-19
54: DATASET MULTIPLEXER FOR DATA PROCESSING SYSTEM
00: -
A data processing system with a dataset multiplexer that enables applications to be written to specify access to datasets as operations on logical datasets. During execution of an application by the data processing system, operations that access a dataset are implemented by accessing an entry in a dataset catalog for the logical dataset. That entry includes information to access the physical data source storing the logical dataset, including conversion of data from the format of the physical data source to the format of the logical dataset. An entry in the catalog may be created based on registration of a data source with the dataset multiplexer and may be updated automatically based on changes in storage of the dataset. This maintenance of the catalog may

be partially or totally automated such that the system automatically adjusts to any changes in storage of the dataset without need for modification of any application.



21: 2023/07187. 22: 2023/07/18. 43: 2026/08/05
51: A61K; A61P
71: JIANGSU YAHONG MEDITECH CO., LTD., ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD.
72: SUN, QIAOLING, PAN, KE, DENG, YIJUN, CHEN, YU, LV, JING
33: CN 31: 202110103435.9 32: 2021-01-26

54: PATHWAY MODULATOR, PHARMACEUTICAL COMPOSITION HAVING SAME, USE THEREOF, AND THERAPEUTIC METHOD USING SAME

00: -

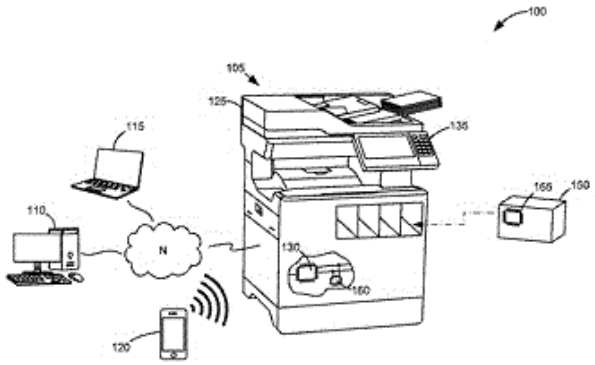
A pathway modulator, a pharmaceutical composition having same, use thereof, and a therapeutic method using same. The pathway modulator (comprising one or more of a dopamine β-hydroxylase inhibitor, a receptor agonist and a receptor antagonist) can inhibit development of autoimmune diseases by immunoregulation, thereby providing potential therapeutic drugs for the treatment of autoimmune diseases.

21: 2023/07224. 22: 2023/07/19. 43: 2026/08/12
51: G06F
71: LEXMARK INTERNATIONAL, INC.
72: WILLIAMS, JENNIFER TOPMILLER
33: US 31: 17/727,743 32: 2022-04-23
33: US 31: 63/256,618 32: 2021-10-17

54: METHODS AND SYSTEMS FOR MAINTAINING A TIME MEASUREMENT ON AN ELECTRONIC DEVICE

00: -

A method of maintaining a time measurement stored on an imaging device. The method comprises: receiving, by the imaging device, a supply item manufacturing time stamp from a supply item, comparing the supply item manufacturing time stamp with the time measurement of the imaging device, and updating, by the imaging device, the time measurement of the imaging device, based on the supply item manufacturing time stamp. An imaging device, comprising a memory, storing a time measurement, the imaging device configured to maintain the time measurement by: receiving a supply item manufacturing time stamp from a supply item connected to the imaging device, and updating the time measurement of the imaging device, based on the supply item manufacturing time stamp. An imaging device supply item comprising a memory, the memory storing a supply item manufacturing time stamp, and the supply item being configured to send the supply item manufacturing time stamp to an imaging device.



21: 2023/07269. 22: 2023/07/20. 43: 2026/08/05
51: H04L; H04W
71: WIREPAS OY
72: HIRVI, HANNU, JUVEN, VILLE
33: FI 31: 20206369 32: 2020-12-23

54: A DATA PACKET TRANSACTION TIMING SOLUTION FOR A WIRELESS COMMUNICATION SYSTEM

00: -

The invention relates to a wireless communication system (100) comprising a plurality of radio devices

(102,202, 204). Each of the plurality of radio devices (102,202, 204) is capable of transmit and receive data packets (220). At least one radio device (102, 202,204) is configured to: ACK packets (240) received from one or more neighbouring radio devices (102,202, 204) in response to transmitted data packets (220); determine lengths of ACK gap (230) periods of the one or more neighbouring radio devices (102, 202,204) based on the observed ACK packets (240); and adjust its ACK listening duration (250) based on the determined lengths of the ACK gap periods (230). The invention relates also to a method for a wireless communication system (100), a radio device (102, 202,204) for a wireless communication system (100), a method for the radio device (102, 202, 204), a computer program (505), and a tangible non-volatile computer-readable medium.



FIG. 2A

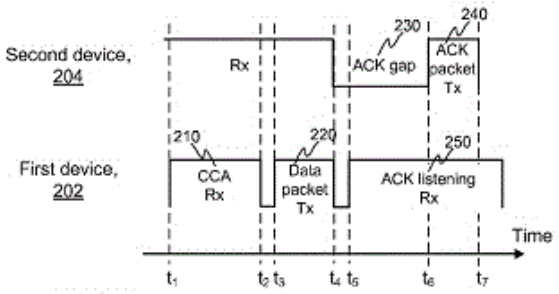


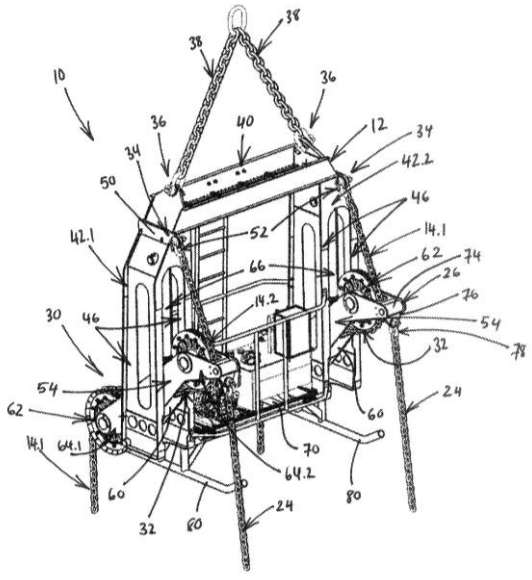
FIG. 2B

21: 2023/07307. 22: 2023/07/21. 43: 2026/08/05
51: C07D
71: RAPT THERAPEUTICS, INC.
72: BUCHER, CYRIL, DAVIDSON, JAMES P, JACKSON, JEFFREY J, KO, MICHELLE YOO MIN, SHIBUYA, GRANT, WUSTROW, DAVID J, YOUNAI, ASHKAAN, ZIBINSKY, MIKHAIL
33: US 31: 63/144,878 32: 2021-02-02
54: METHODS OF MAKING TRANS ISOMERIC FORMS OF G PROTEIN-COUPLED RECEPTOR
00: -

Disclosed herein, inter alia, methods of synthesis of trans isomeric forms of G protein- coupled receptor modulators of high trans isomeric purity.

21: 2023/07331. 22: 2023/07/24. 43: 2026/08/19
51: B66C
71: VDM SUPPLY CHAIN SOLUTIONS (PTY) LTD
72: VAN ZYL, Pieter
33: ZA 31: 2021/10442 32: 2021-12-15
54: A TILTING APPARATUS
00: -

A tilting apparatus (10) which includes a support assembly (12), a first chain (14) extending between and interconnecting the support assembly (12) and a first end region (16) of an object (18), the first chain (14) being generally flexible, a second chain (24) extending between and interconnecting an anchoring member (26) and a second end region (28) of the object (18), and a displacement arrangement (30) for displacing an intermediate portion (32) of the first chain (14) relative an axis (not shown) extending between attachment points (34) of the first chain (14) to the support assembly (12) and the first end region (16) of the object (18), respectively, thereby changing a distance between the support assembly (12) and the first end region (16) of the object (18) thereby causing the object (18) to tilt in order to empty its contents.



21: 2023/07642. 22: 2023/08/02. 43: 2026/08/19
51: G02C

71: UVEX ARBEITSSCHUTZ GMBH
72: JASCHKE, Simon, WACKER, Marco, KÜHNLEIN, Florian, WOLF, Martin
33: DE 31: 10 2021 201 180.2 32: 2021-02-09
54: SPECTACLE LENS
00: -
A spectacle lens has a base (11) and at least one transparent, electrically conductive coating (12) that covers at least part of the base (11), and electrical contact means (16, 17, 18, 19) that cover at least part of the at least one coating (12), are in electrical contact with the at least one coating (12) and cooperate in forming at least one electrical heating zone.

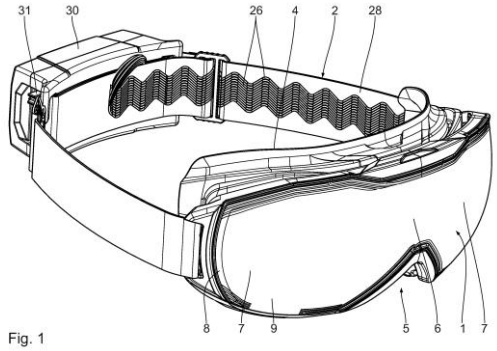
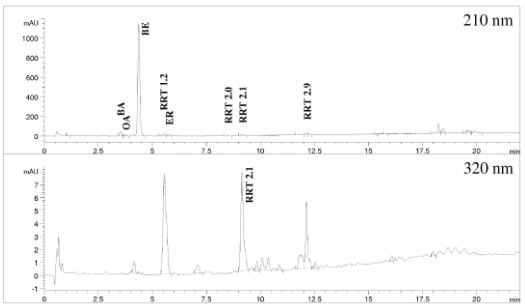
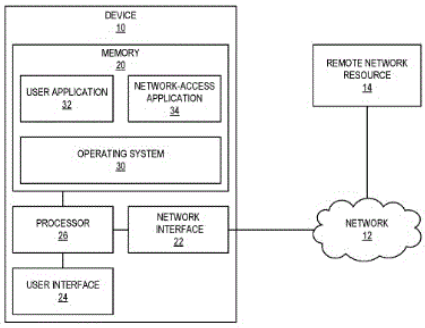


Fig. 1

21: 2023/07672. 22: 2023/08/03. 43: 2026/08/21
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.

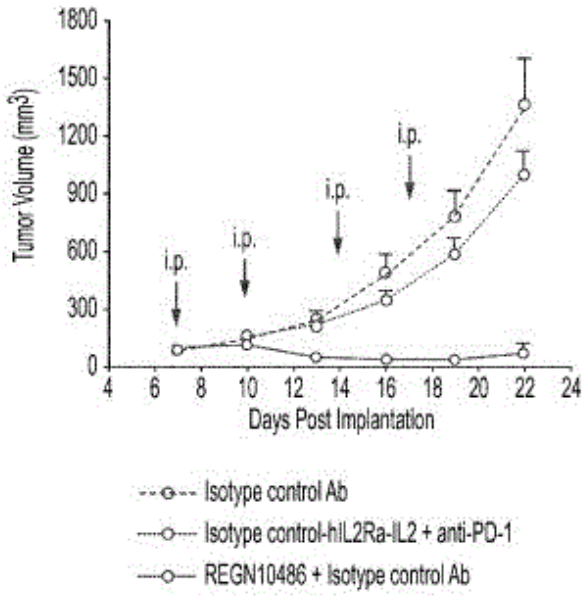


21: 2023/08989. 22: 2023/09/22. 43: 2026/10/15
51: H04L
71: NETSWEEPER (BARBADOS) INC.
72: ERB, Jeremy D., GORUK, James W.
33: US 31: 63/168,719 32: 2021-03-31
54: CLIENT FILTER VPN
00: -
A user application is executed with an operating system. The operating system enables access to a remote network resource via a network interface and enables a virtual private network (VPN) connection. The operating system enforces use of the VPN connection by the user application. A network-access application is set as a remote endpoint of the VPN connection. The network-access application communicates with the remote network resource on behalf of the user application.



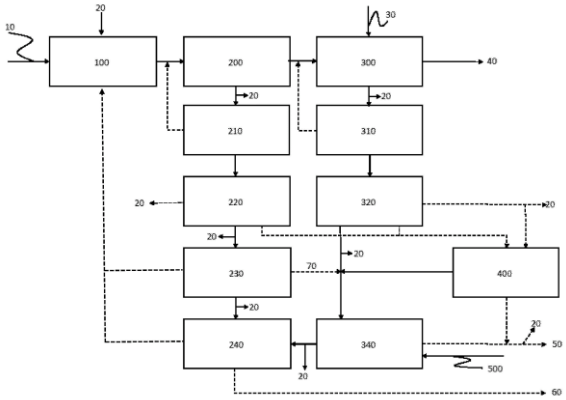
21: 2023/10239. 22: 2023/11/02. 43: 2026/10/13
51: C07K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: LIN, Chia-Yang, WU, Jiaxi, BLOCH, Nicolin, ZHANG, Tong, DAVIS, Samuel, SMITH, Eric, ULLMAN, Erica
33: US 31: 63/210,111 32: 2021-06-14
33: US 31: 63/365,375 32: 2022-05-26
54: IL-2-AND ANTI-PD-1 BASED THERAPEUTICS AND METHODS OF USE THEREOF
00: -

The present disclosure relates to a fusion protein comprising an antigen-binding moiety that binds specifically to human PD-1 and an IL2 moiety, and methods of use thereof.



21: 2024/00696. 22: 2024/01/19. 43: 2026/08/24
51: A61K; A61P
71: Serum Life Science Europe GmbH, Serum Institute of India Ltd.
72: GRODE, Leander
33: EP(DE) 31: 21187253.6 32: 2021-07-22
33: US 31: 63/224,575 32: 2021-07-22
54: RECOMBINANT MYCOBACTERIUM AS AN IMMUNOTHERAPEUTIC AGENT FOR THE SECOND-LINE THERAPY OF BLADDER CARCINOMA
00: -
The invention relates to a recombinant Mycobacterium cell for use as an immunotherapeutic agent in the treatment of bladder carcinoma, particularly in the second-line treatment of non-muscle-invasive bladder carcinoma.

21: 2024/01771. 22: 2024/02/29. 43: 2026/07/29
51: D04H; D21C; D21H
71: Infinited Fiber Company Oy
72: SIREN, Sakari, STJERNBERG, Martin
33: FI 31: 20215949 32: 2021-09-09
54: METHOD FOR THE TREATMENT OF A FIBROUS RAW MATERIAL
00: -
According to an example aspect of the present invention, there is provided a method of treating a fibrous raw-material containing cellulosic fibres and polyester fibres, comprising the steps of subjecting the raw-material to acid treatment and to a washing operation, subjecting the washed first modified fibrous raw-material to an alkaline treatment to dissolve at least a portion of the polyester fibres and to form a second modified fibrous raw-material that is subjected to separation to separate solid matter from an aqueous liquid phase comprising dissolved material, recovering the solid matter of the separation, subjecting the recovered second modified raw-material to a washing, subjecting the liquid phase to a first filtration step using a micromembrane to obtain a first aqueous permeate, subjecting the first permeate to a second filtration step using a nanomembrane to obtain a second permeate, recovering the second aqueous permeate and recycling it to an alkaline treatment step.



21: 2024/01778. 22: 2024/02/29. 43: 2026/07/29
51: B06B; H02K; H05K
71: Sandvik Rock Processing Australia Pty Limited
72: TEYHAN, Douglas Robert, COOK, Tim Stanton, WIELTSCH, Andreas, MANN, Simon
33: AU 31: 2021903046 32: 2021-09-22
54: EXCITER WITH SEPARATE HOUSING AND MOUNTING PLATE
00: -
The specification discloses vibration exciter apparatus (40) having an exciter housing (50), at least one bearing means (108) supporting at least one driven shaft (68, 69) carrying eccentric mass means (107), the exciter housing (50) having an array of bore passages (91) extending from an upper wall (51) of the exciter housing (50) to a lower wall

(53) of the exciter housing (50), and amounting structure plate (60) securable to mineral processing or handling equipment intended to be vibrated by said exciter apparatus (40), said mounting structure plate (60) having an array of fastener receiving zones (98) whereby elongated fastener means (99) can pass through the bore passages (91) from the upper wall (51) to be engaged in the fastener receiving zones (98).

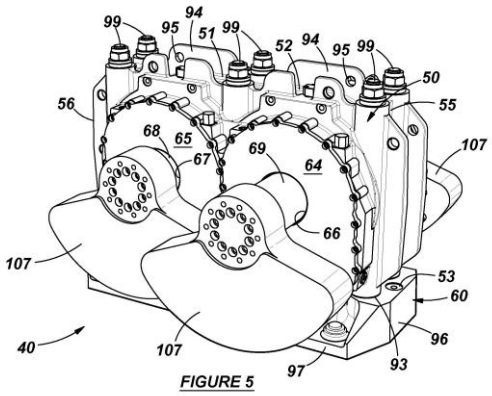


FIGURE 5

21: 2024/01779. 22: 2024/02/29. 43: 2026/07/29
51: B06B; B65G; F16H; H02K
71: Sandvik Rock Processing Australia Pty Limited
72: WIELTSCH, Andreas, MANN, Simon
33: AU 31: 2021903046 32: 2021-09-22
54: COOLING VIBRATION EXCITER APPARATUS
00: -
The specification discloses exciter apparatus (40) having an exciter housing (50), at least one bearing means (108) supporting at least one driven shaft (68, 69) carrying eccentric mass means (107), the exciter housing having an array of bore passages (91) extending from an upper wall (51) of the exciter housing (50) to a lower wall (53) of the exciter housing (50), and amounting structure plate (60) securable to mineral processing or handling equipment intended to be vibrated by said exciter apparatus (40), said mounting structure plate (60) having an array of fastener receiving zones (98) whereby elongated fastener means (99) can pass through the bore passages (91) from the upper wall (51) to be engaged in the fastener receiving zones (98), said exciter apparatus further including a pair of bearing members (109, 110) supporting a pair of driven shafts (68, 69) having intermeshing gears, each of the bearing members (109, 110) and intermeshing gears having individual liquid lubrication sump zones (100, 103, 104) separate from one another, and cooling means (140) for cooling moving parts of the exciter apparatus (40).

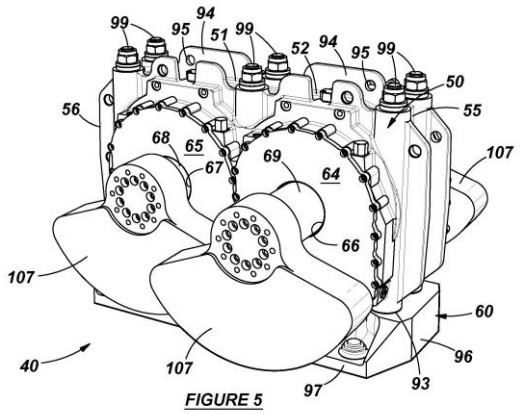
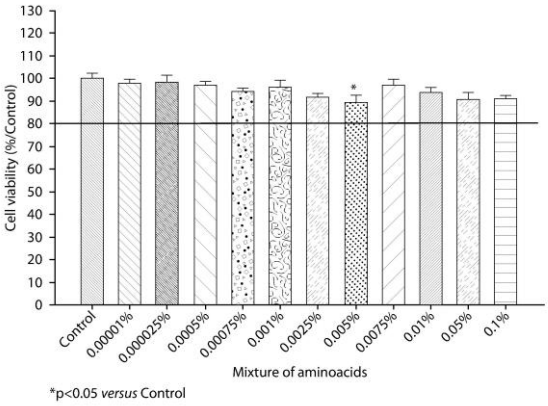


FIGURE 5

21: 2024/01810. 22: 2024/03/01. 43: 2026/07/29
51: A61K; A61Q
71: Colgate-Palmolive Company
72: DENG, Yanjun, ZENG, Yuyan, HUANG, Dong Yao, CHEN, Changlong, SHEN, Hongwei
33: CN 31: 202111054705.8 32: 2021-09-09
54: PERSONAL CASE COMPOSITION BASED ON ANIONIC SURFACTANT, AMPHOTERIC SURFACTANT AND ALKYL GLUCOSIDE
00: -
Disclosed are personal care compositions, e.g., natural liquid soap compositions, comprising an effective amount of a long chain alkyl (C_6-C_{22}) anionic surfactant (e.g., disodium 2-sulfolaurate), an effective amount of an amphoteric surfactant (e.g., cocamidopropyl betaine), an effective amount of one or more alkyl glucoside(s) (e.g., decyl glucoside and coco-glucoside); and water, as well as to methods of using these compositions.

21: 2024/01811. 22: 2024/03/01. 43: 2026/07/29
51: A61K; A61Q
71: Colgate-Palmolive Company
72: WU, Qiang, CHENG, Shujiang, SOLIMAN, Nadia, BOYD, Thomas, NAMKOONG, Jin, GOSWAMI, Sayantani
33: US 31: 63/242,704 32: 2021-09-10
54: PERSONAL CARE COMPOSITIONS BASED ON AMINOACIDS AND SKIN PENETRATION ENHANCER
00: -
Personal care compositions and methods of use are disclosed herein. A personal care composition is provided comprising: a skin protection system comprising: an amino acid complex; and optionally one or more antioxidants; a penetration enhancer; and a cosmetically acceptable carrier.



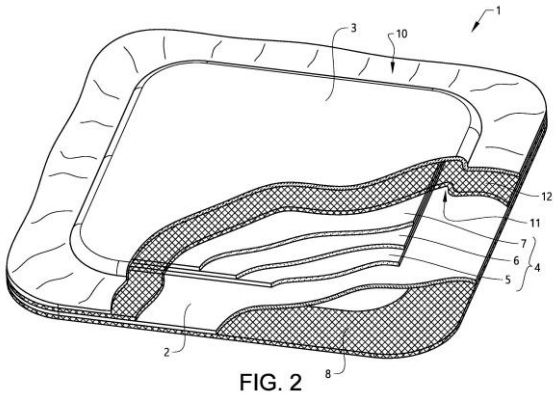
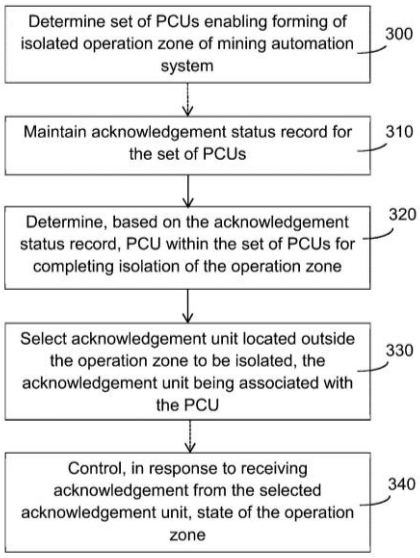


FIG. 2

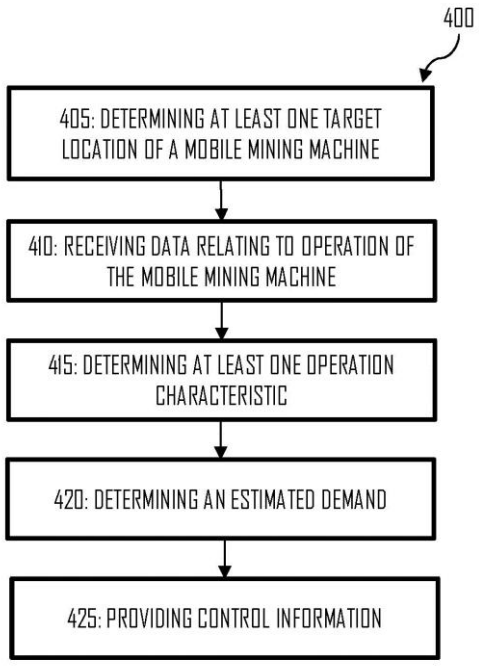
21: 2024/02184. 22: 2024/03/18. 43: 2026/08/06
51: A01N; A23P; A61K; B01J; C09B; C11D; F28D
71: Syngenta Crop Protection AG
72: TAYLOR, Philip, LINDSAY, Christopher Ian
33: GB 31: 2114759.0 32: 2021-10-15
54: MICROENCAPSULATION
00: -
A method of forming a Pickering emulsion, comprising the combination of an aqueous phase and an oil phase, wherein the aqueous phase comprises clay particles; and wherein the oil phase comprises tetraalkyl orthosilicate.

21: 2024/02286. 22: 2024/03/20. 43: 2026/08/06
51: A61F
71: Essity Hygiene and Health Aktiebolag
72: SCHÜTZ, Patrick, LAFENDT, Sören
54: WOUND DRESSING WITH ODOR CONTROL PROPERTIES
00: -
A wound dressing is provided, comprising a wound facing layer an opposing backing layer and a layered, interior arrangement positioned therebetween. The interior arrangement comprises an absorbent core, an activated carbon containing layer and a zeolite containing layer.

21: 2024/02287. 22: 2024/03/20. 43: 2026/08/06
51: G05D
71: Sandvik Mining and Construction Oy
72: CUMINI, Lauso, VAARA, Juho
33: EP(FI) 31: 21199470.2 32: 2021-09-28
54: MINING AUTOMATION SYSTEM OPERATION ZONE CONTROL
00: -
A method for controlling operation zones of a mining automation system, comprising: determining (300) a set of passage control units, PCUs, enabling forming of an isolated operation zone of a mining automation system; maintaining (310) an acknowledgement status record for the set of PCUs; determining (320), based on the acknowledgement status record, a PCU within the set of PCUs for completing isolation of the operation zone; selecting (330) an acknowledgement unit located outside the operation zone to be isolated, the acknowledgement unit being associated with the PCU; and controlling (340), in response to receiving an acknowledgement from the selected acknowledgement unit, a state of the operation zone. A corresponding apparatus is also claimed.



21: 2024/02288. 22: 2024/03/20. 43: 2026/08/06
51: E21C
71: Sandvik Mining and Construction Oy
72: MANNONEN, Petri, VALTEE, Mikko, KASKI, Miika
33: EP(FI) 31: 21201434.4 32: 2021-10-07
54: CONTROL INFORMATION
00: -
An apparatus, method and computer program product for: determining at least one target location of a mobile mining machine, receiving data relating to operation of the mobile mining machine in a mining environment, determining at least one operation characteristic of the mobile mining machine based on the data relating to operation of the mobile mining machine in the mining environment, determining, based on the at least one target location and the at least one operation characteristic, an estimated demand of the mobile mining machine for at least one flowing resource in the at least one target location at a particular time instance, and providing, based on the estimated demand, control information for controlling provision of the at least one flowing resource.



21: 2024/02372. 22: 2024/03/25. 43: 2026/08/06
51: A61K; C07K; C12N
71: Entrada Therapeutics, Inc.
72: LI, Xiang, QIAN, Ziqing, KHEIRABADI, Mahboubeh, WYSK, Mark, SETHURAMAN, Natarajan, LIAN, Wenlong, GIRGENRATH, Mahsweta, ESTRELLA, Nelsa
33: US 31: 63/239,645 32: 2021-09-01
33: US 31: 63/239,671 32: 2021-09-01
54: COMPOUNDS AND METHODS FOR SKIPPING EXON 44 IN DUCHENNE MUSCULAR DYSTROPHY
00: -
Described herein in various embodiments are compositions comprising (a) a cyclic peptide; and (b) an antisense compound, wherein the antisense compound targets exon 44 of the DMD gene in a pre-mRNA sequence.

21: 2024/02488. 22: 2024/03/27. 43: 2026/08/06
51: G06F; H04L
71: SICPA HOLDING SA
72: THEVOZ, Philippe, GILLET, Philippe
33: EP(CH) 31: 21194289.1 32: 2021-09-01
54: METHOD AND SYSTEM FOR VALIDATING A DIGITAL CONTENT
00: -
The present invention relates to the technical field of the validation and the authentication of a digital data,

such as, for example, a digital document. Particularly, the invention relates to the technical field of the validation of a digital content of a digital message, such as an operation certified by an entity allowing a controller to execute said operation.

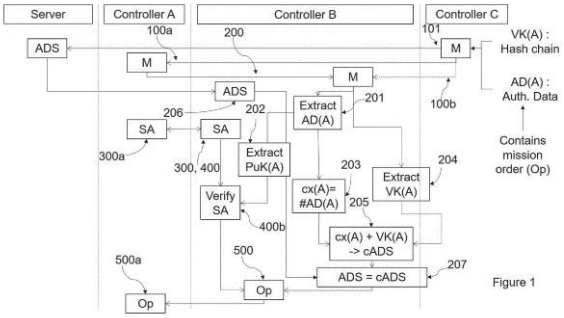


Figure 1

21: 2024/02558. 22: 2024/04/02. 43: 2026/08/06
51: A01N; A01P
71: UPL Limited
72: SAINI, Anil, CAMPOS, Luiz, SHIRSAT, Rajan Ramakant, PAGARE, Ritesh
33: IN 31: 202121044726 32: 2021-10-01
54: A STABLE AGROCHEMICAL COMPOSITION
00: -
The present invention discloses a stable agrochemical composition comprises at least one triazolone herbicide or a derivative thereof; and a dispersion aid comprising at least one interface additive and a high surface hydrophilicity inert. The present invention also discloses process of preparing stable agrochemical composition, method of controlling weeds using stable agrochemical composition developed according to the present invention.

21: 2024/02747. 22: 2024/04/09. 43: 2026/08/24
51: A23C; A23F; A23L
71: Koninklijke Douwe Egberts B.V.
72: HARRIS, Gayle, SAVILLE, Lauren Amy, FOURIE, Blythe Frances
33: GB 31: 2113481.2 32: 2021-09-22
54: A NON-FAT CREAMER POWDER, AND A METHOD OF MAKING THE SAME
00: -
The present invention relates to a non-fat creamer powder comprising: 5 to 15wt% of hydrothermally treated long chain fibre inulin having a chain length of from 14 to 60; 5 to 20wt% micellar casein, and the balance comprising one or more sweetening and/or bulking agents.

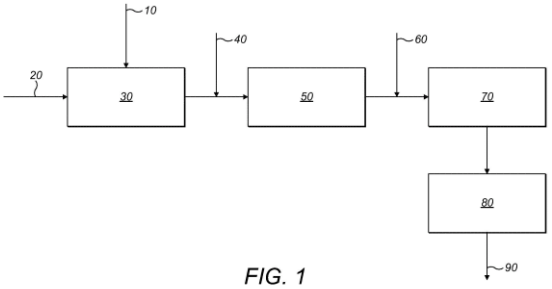
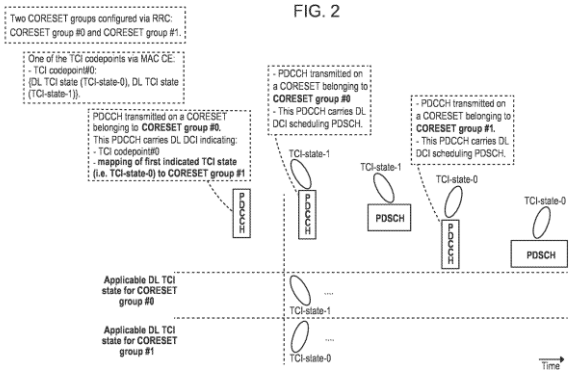


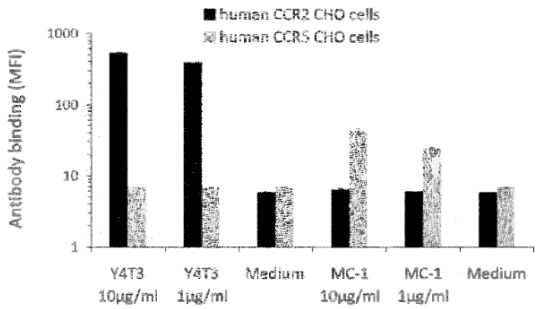
FIG. 1

21: 2024/02780. 22: 2024/04/10. 43: 2026/08/19
51: H04L; H04W
71: NOKIA TECHNOLOGIES OY
72: DEGHEL, Matha, LADDU, Keeth, Saliya, Jayasinghe
33: US 31: 63/244,582 32: 2021-09-15
54: FLEXIBLE TCI STATE INDICATION UNDER UNIFIED TCI FRAMEWORK
00: -
Systems, methods, apparatuses, and computer program products for flexible TCI state indications. An apparatus may include at least one processor and at least one memory including computer program code. The at least one memory and the computer program code may be configured to, with the at least one processor, cause the apparatus at least to5 receive, on a CORESET belonging to a first CORESET group, DCI indicating at least one TCI state. One or more of the at least one TCI states may be mapped to at least a second CORESET group.

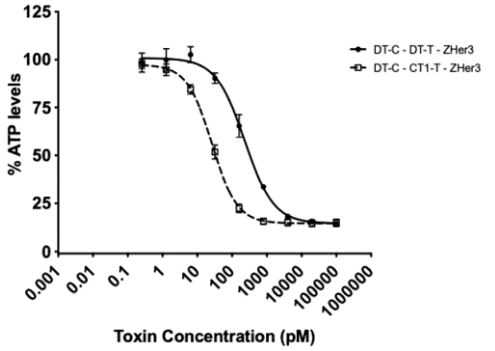
FIG. 2


21: 2024/02859. 22: 2024/04/12. 43: 2026/10/08
51: C07K

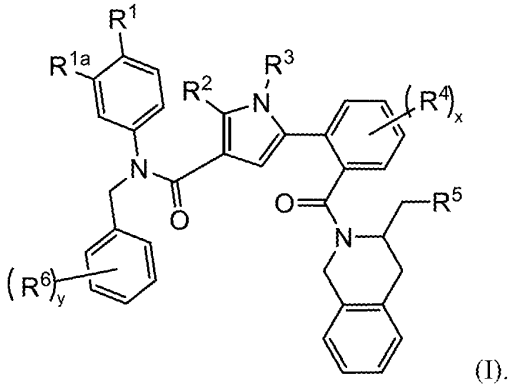
71: GRANITE BIO AG
72: MACK, Matthias
33: EP 31: 21204904.3 32: 2021-10-27
54: ANTIBODIES TARGETING CCR2
00: -
The present disclosure relates to antibodies and antibody fragment that are specific for CCR2. The antibodies deplete CCR2-positive cells and block MCP-1 (CCL2) induced downregulation of CCR2 on human leukocytes. Furthermore, they possess advantageous biophysical properties. The antibodies are useful for the treatment of inflammatory diseases, autoimmune diseases, hematologic malignancies and potentially other illnesses.



21: 2024/03512. 22: 2024/05/07. 43: 2026/09/10
51: A61K; C07K; C12N; A61P
71: THE HOSPITAL FOR SICK CHILDREN
72: MELNYK, Roman, BEILHARTZ, Greg, GILL, Shivneet, SUGIMAN-MARANGOS, Seiji
33: GR 31: 20210100770 32: 2021-11-04
54: NOVEL BACTERIAL TRANSLOCATION DOMAINS AND RECOMBINANT POLYPEPTIDES COMPRISING THEM FOR USE IN CELLULAR DELIVERY
00: -
Generally, the present disclosure provides novel bacterial translocation domains for use in cellular delivery. An example is the translocation domain from the Austwickia chelonae protein of SEQ ID NO:2, the translocation domain having the amino acid sequence of SEQ ID NO: 3. Translocase domains from other bacterial strains and species are also described (e.g. SEQ ID NOs: 4 to 17 and 36 to 48). Recombinant polypeptides comprising these translocation domains are described. The recombinant polypeptides are intended for use in delivery of cargo molecules, including therapeutic polypeptides that may be used to treat disease.



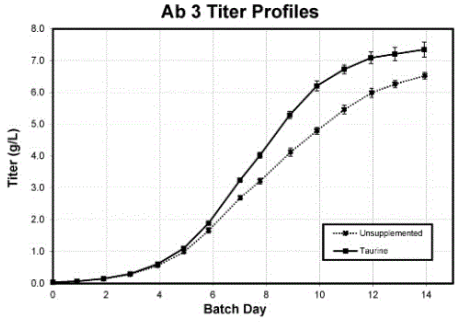
21: 2024/04310. 22: 2024/05/31. 43: 2026/09/10
51: A61K; C07D; A61P
71: EIL THERAPEUTICS, INC.
72: KYSIL, Volodymyr, PARCHINSKY, Vladislav Zenonovich, PUSHECHNIKOV, Alexei, IVACHTCHENKO, Alexandre Vasilievich, ABAGYAN, Ruben, SAVCHUK, Nikolay
33: US 31: 63/294,646 32: 2021-12-29
33: US 31: 63/415,203 32: 2022-10-11
54: BCL-2 INHIBITORS
00: -
The present invention is generally directed to inhibitors of BCL-2 proteins useful in the treatment of diseases and disorders modulated by said enzyme and having the Formula (I):



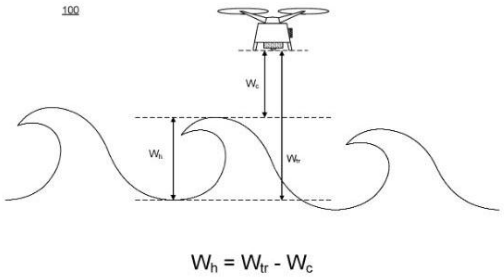
(I).

21: 2024/04469. 22: 2024/06/10. 43: 2026/09/23
51: C12N
71: REGENERON PHARMACEUTICALS, INC.
72: JOHNSON, Amy, S., CASEY, Meghan, E., OSHODI, Shadia, LAWRENCE, Shawn
33: US 31: 62/200,689 32: 2015-08-04
54: TAURINE SUPPLEMENTED CELL CULTURE MEDIUM AND METHODS OF USE
00: -
The specification describes a composition comprising an improved eukaryotic cell culture

medium, which can be used for the production of a protein of interest. Taurine can be added to serum-free media or chemically-defined media to increase the production of a protein of interest. Methods for recombinantly expressing high levels of protein using the media compositions are included.



21: 2024/04478. 22: 2024/06/10. 43: 2026/09/18
51: G01S
71: ALLEN, Theodore
72: ALLEN, Theodore
33: US 31: 63/287,346 32: 2021-12-08
54: DEVICE AND SYSTEM FOR AQUEOUS WAVE MEASUREMENT
00: -
The present disclosure provides for a device and system for aqueous wave measurement. The system may comprise at least one altimeter that may collect one or more measurements from a vertical orientation. The system may comprise at least one stabilization sensor that may interface with at least one positioning device. The stabilization sensor may, with fixed coordinates received from the positioning device, allow the drone to maintain a constant altitude above the variable, changing surface of water. The system may comprise one or more analytics that produce meaningful metrics from information received from the aqueous wave measurement device. The system may comprise at least one GUI that presents the analytics in an understandable way based on the expertise of a user viewing the analytics. The device may store collected measurements locally, or may transmit the measurements via at least one transmitting device, or both.



21: 2024/04579. 22: 2024/06/12. 43: 2026/09/23
51: A61F
71: PAUL HARTMANN AG
72: BEYRLE, Andreas, EILERS, Jörg, VECHTER, Olga, BUCH, Tamara
33: DE 31: 10 2021 133 725.9 32: 2021-12-17
54: INCONTINENCE ARTICLE COMPRISING A CHANNEL
00: -
The present invention relates to an incontinence article for single use for absorbing bodily excretions, comprising an absorption body having a length LA and a first absorbent ply, wherein the first absorbent ply has at least one channel which is oriented in a longitudinal direction and has a length LK and the channel comprises or is formed from a cutout which extends through the first absorbent ply in a thickness direction. The channel is arranged on a longitudinal central axis of the absorption body and the length LK is at most 30% of the length LA. A width BK of the channel in a central portion of the absorption body is at most 22% of a minimum width BA of the absorption body in the central portion of the absorption body and an areal extent of the channel is 0.5%-5.0% of an areal extent of the absorption body.

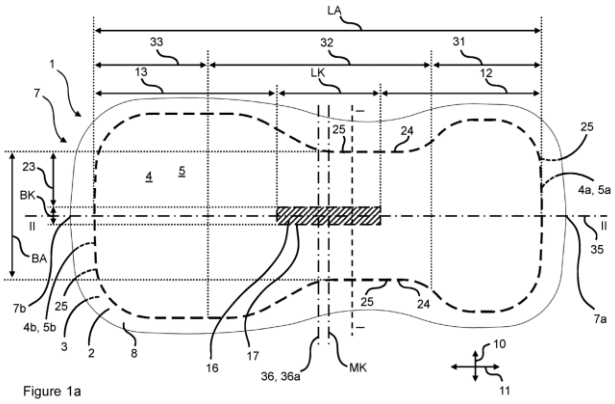


Figure 1a

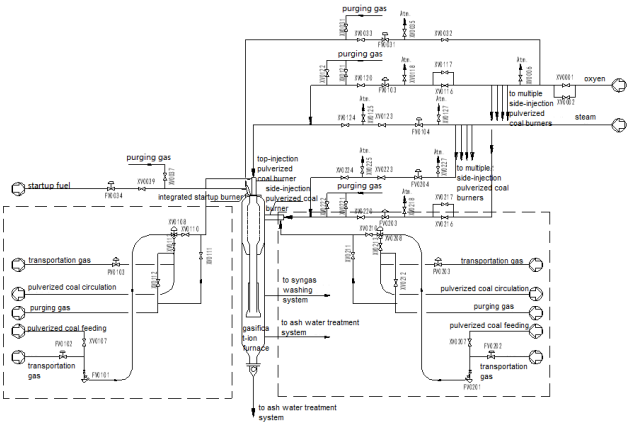
21: 2024/04605. 22: 2024/06/13. 43: 2026/09/18

51: C10J
71: CHANGZHENG ENGINEERING CO., LIMITED
72: LU, Yan, PENG, Shu, DING, Jianping, MA, Lin, LI, Bo, JIANG, Deqiang, JIANG, Congbin
33: CN 31: 202111361915.1 32: 2021-11-17
33: CN 31: 202122822281.7 32: 2021-11-17

54: MULTI-NOZZLE PULVERIZED COAL GASIFICATION DEVICE AND CONTROL METHOD FOR STARTUP AND SHUTDOWN OF COAL GASIFICATION DEVICE

00: -

Provided in the present invention are a multi-nozzle pulverized coal gasification device and a control method for startup and shutdown of a coal gasification device. The multi-nozzle pulverized coal gasification device comprises: a gasification furnace; an integrated startup burner, which is arranged at an upper end of the gasification furnace and is configured to heat the gasification furnace; pulverized coal burners, which are in communication with the gasification furnace, are configured to feed pulverized coal and oxygen into the gasification furnace, and comprise a top-injection pulverized coal burner and a plurality of side-injection pulverized coal burners, the top-injection pulverized coal burner being arranged at the upper end of the gasification furnace and the side-injection pulverized coal burners being arranged on a side portion of the gasification furnace; and a steam device, which is in communication with the gasification furnace by means of the pulverized coal burners, so as to feed steam into the gasification furnace by means of the pulverized coal burners. According to the embodiments of the present invention, flexible control and adjustment can be realized, the load of each coal burner can be adjusted according to the change of fuel and the combustion condition in the furnace so as to adjust the flow field in the furnace, thereby avoiding deviant combustion in the furnace, local overtemperature and damage to gasification furnace apparatuses, and improving the conversion rate of reaction fuel.



21: 2024/04768. 22: 2024/06/19. 43: 2026/09/23
51: A24B; A24F
71: SWEDISH MATCH NORTH EUROPE AB
72: SEILER, Linnea, ELFSTRAND, Andreas
33: EP 31: 21212931.6 32: 2021-12-07

54: AN ORAL SMOKELESS PRODUCT COMPRISING AN ACTIVE AGENT AND/OR A FLAVOUR

00: -

The present disclosure relates to an oral smokeless product in the form of an oral patch comprising a thickening agent, a carrier, and an active agent and/or a flavour, wherein the carrier is a fibrous carrier consisting of a water insoluble nonwoven material. The present disclosure also relates to a method for manufacturing the oral smokeless product, the method comprising: - providing a nonwoven material; - providing a liquid flavour solution comprising flavour, glycerol, alginate or gum acacia, water and optionally food colour; - applying the liquid flavour solution to the nonwoven material; and optionally - punching out individual oral smokeless products from the nonwoven sheet material.

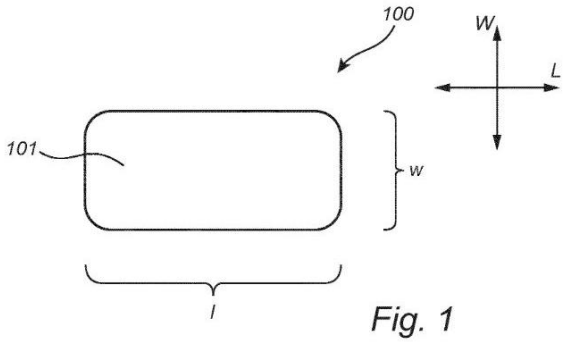
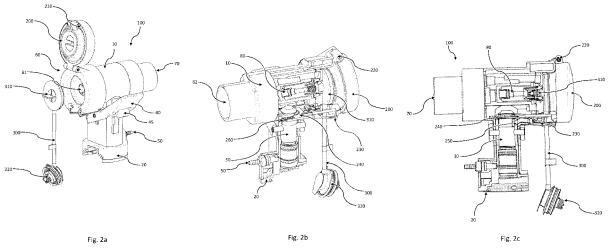


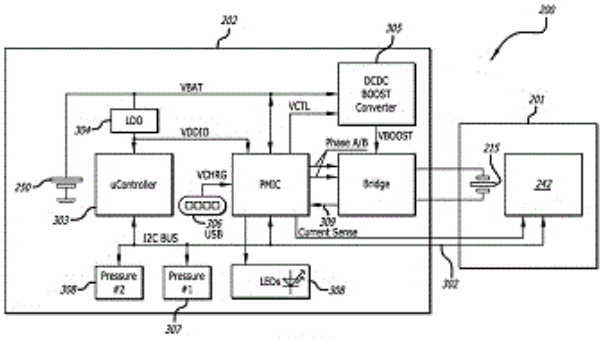
Fig. 1

21: 2024/04772. 22: 2024/06/19. 43: 2026/09/23

51: B67D
71: HEINEKEN SUPPLY CHAIN B.V.
72: PAAUWE, Arie Maarten, WIGMAN, Peter Henri Samuel
33: EP 31: 21217594.7 32: 2021-12-23
54: COUPLER DEVICE
00: -
A coupler device is arranged for bringing in fluid communication a beverage chamber of a beverage container and a beverage dispensing line. The coupler device comprises a housing with a coupling organ arranged for detachably coupling the housing to the beverage container. A beverage channel extends through the housing between a beverage inlet and a beverage outlet, the beverage inlet configured for connecting a first dispensing line part of the beverage dispensing line and the beverage outlet configured for connecting a second dispensing line part of the beverage dispensing line. A broach element is movably arranged relative to the housing for broaching the beverage container to bring the beverage chamber in fluid communication with the first dispensing line part. The coupler housing comprises a cover movably arranged to move between an open position in which the cover enables access to the beverage inlet for connecting the first dispensing line part and a closed position in which the cover prevents a connecting of the first dispensing line part to the beverage inlet. The coupler device further comprises securing means configured for securing the cover in the closed position.



21: 2024/05388. 22: 2024/07/10. 43: 2026/08/05
51: H01L; H03K
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
54: A MICROCHIP FOR DRIVING A RESONANT CIRCUIT
00: -
A microchip (300) for driving a resonant circuit, wherein the resonant circuit is an LC tank, an antenna or a piezoelectric transducer, and wherein the microchip (300) is a single unit which comprises a plurality of interconnected embedded components and subsystems comprising at least an oscillator (315), a pulse width modulation (PWM) signal generator subsystem (329), an analogue to digital converter (ADC) subsystem (318) and a digital to analogue converter (DAC) subsystem (327).



21: 2024/05389. 22: 2024/07/10. 43: 2026/08/05
51: B06B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
54: AN APPARATUS FOR TRANSMITTING ULTRASONIC WAVES
00: -
An apparatus for transmitting ultrasonic waves, the apparatus comprising a microchip (300) for driving a resonant circuit and a resonant circuit which is at least one of an LC tank, an antenna and a piezoelectric transducer. The microchip (300) is a single unit which comprises a plurality of interconnected embedded components and subsystems comprising at least an oscillator (315), a pulse width modulation (PWM) signal generator subsystem (329), an analogue to digital converter (ADC) subsystem (318) and a digital to analogue converter (DAC) subsystem (327).

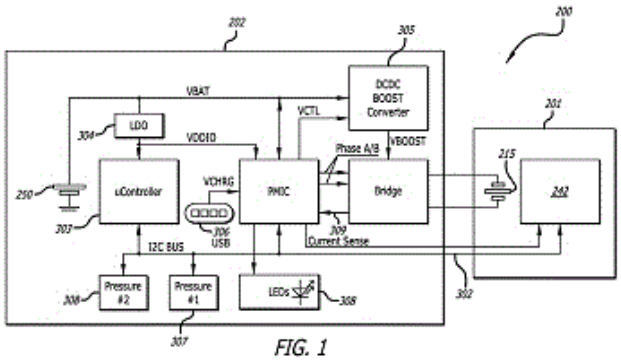
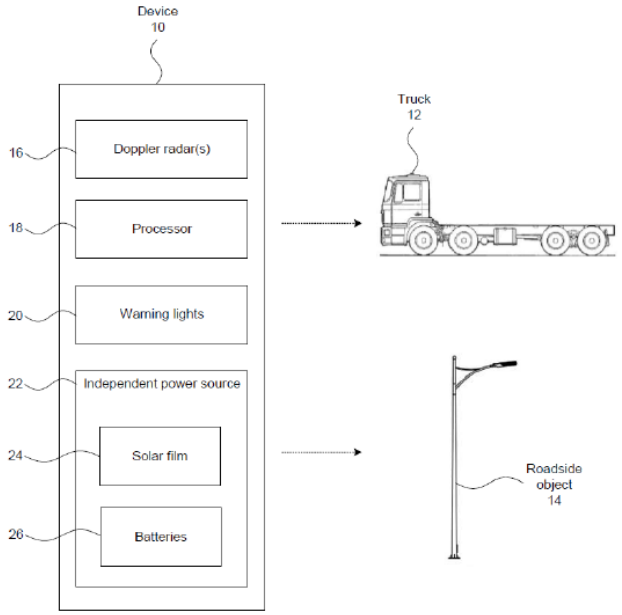


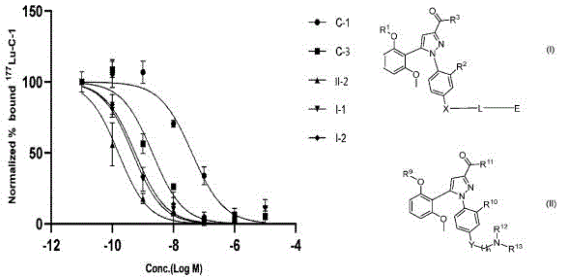
FIG. 1

21: 2024/05568. 22: 2024/07/17. 43: 2026/08/13
51: C01B; B01J
71: BASF SE
72: FREI, ELIAS CHRISTOPHER, FELISCHAK, MATTHIAS, KARWACKI, LUKASZ, BOTTKE, NILS, HEIDEBRECHT, PETER
33: EP 31: 22167434.4 32: 2022-04-08
54: A ZONED REACTOR FOR THE REFORMING OF NH3
00: -
The present invention relates to an adiabatic, zoned reactor for the reforming of $NH_3$to $N_2$and H_2, the reactor particularly comprising n reaction zones arranged in sequence and extending along the axial length L of the reactor, wherein n is an integer in the range of from 2 to 5, wherein independently from one another, each of the n reaction zones comprises one or more catalytic components, wherein from the inlet reaction zone to the outlet reaction zone each reaction zone displays a lower light-off temperature T50 in the reforming of $NH_3$to $N_2$and H_2then the subsequent downstream one. Further, the present invention relates to a production unit comprising said reactor, a process for the reforming of $NH_3$to $N_2$and H_2, and use of said reactor and said production unit.

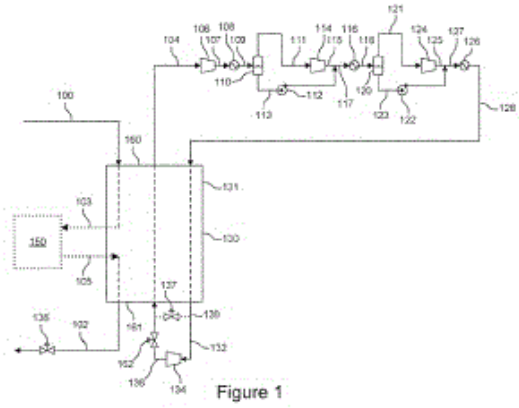
21: 2024/05752. 22: 2024/07/25. 43: 2026/07/28
51: G08G; B60W
71: DARYL ANTHONY SPENCER
72: SPENCER, Daryl Anthony
54: COLLISION MITIGATION DEVICE
00: -
The invention relates to a device that is attachable to a vehicle or to a roadside object, where the device is capable of functioning as either a collision mitigation devices or an early warning systems for vehicles.



21: 2024/05829. 22: 2024/07/29. 43: 2026/10/13
51: A61K
71: FULL-LIFE TECHNOLOGIES HK LIMITED
72: LIU, Fa
33: US 31: 63/311,621 32: 2022-02-18
54: COMPOUNDS AND RADIOLIGANDS FOR TARGETING NEUROTENSIN RECEPTOR AND USES THEREOF
00: -
The present application relates to a compound of Formula (I) or a pharmaceutically acceptable salt and/or solvate thereof, or a radionuclide complex comprising a compound of Formula (I) or a pharmaceutically acceptable salt and/or solvate thereof, and one or more radionuclides, and to compositions thereof. The present application also includes methods of using the compounds, complexes and compositions for targeting neurotensin receptors, and further to their use in the imaging, diagnosis and treatment of diseases, disorders or conditions such as cancer. The present application relates to a compound of Formula (II) or a pharmaceutically acceptable salt and/or solvate thereof, and to compositions and uses thereof, for example, in the treatment of diseases, disorders or conditions such as cancer.



21: 2024/05882. 22: 2024/07/30. 43: 2026/08/06
51: F25J
71: HONEYWELL LNG LLC
72: ROBERTS, MARK JULIAN, WEIST, ANNEMARIE OTT, JIN, BO, BARR, BRIAN JAMES
33: US 31: 17/682,534 32: 2022-02-28
54: SINGLE MIXED REFRIGERANT LNG PRODUCTION PROCESS
00: -
A simple and efficient single mixed refrigerant process for cooling and liquefying a hydrocarbon feed stream, such as natural gas. The process employs a closed-loop single mixed refrigerant process for refrigeration duty. The refrigerant compressed to a high pressure using at least three stages of compression and two intercoolers (both producing liquid). A hydraulic turbine is used to expand the high pressure refrigerant before it flows into the main heat exchanger.


Figure 1

21: 2024/06505. 22: 2024/08/23. 43: 2026/08/24
51: G01N
71: UK NIVD LTD
72: TRIGUEROS, SONIA
33: GB 31: 2205632.9 32: 2022-04-16
54: LOCALIZED SURFACE PLASMON RESONANCE DETECTOR
00: -
A composition comprising gold nanoparticles which are linked to polyclonal antibodies. The composition may be used to detect the presence of a target which binds to the polyclonal antibody in solution. The binding of the target to the polyclonal antibody triggers a self-assembly of the polyclonal antibody and the gold nanoparticles. This self- assembly of the polyclonal antibody and the gold nanoparticles triggers a colour change in the surface plasmon of the gold nanoparticles which indicates the presence of the target.

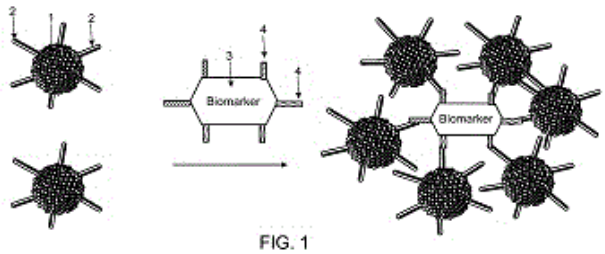
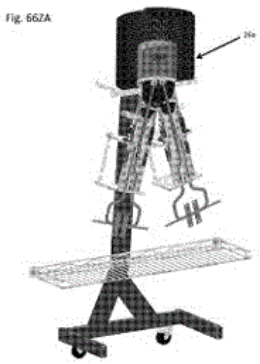


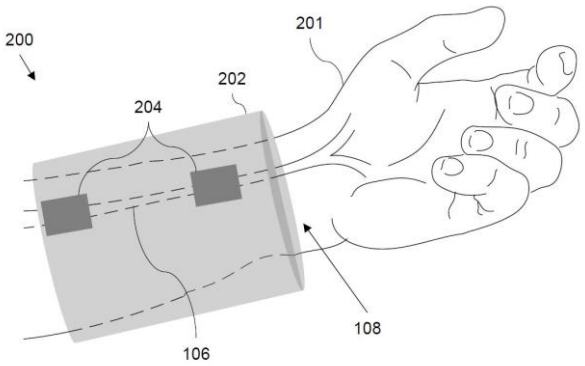
FIG. 1

21: 2024/06912. 22: 2024/09/09. 43: 2026/09/18
51: G21B; H02K; H05H; H02S
71: BRILLIANT LIGHT POWER, INC.
72: MILLS, Randell L.
33: US 31: 63/332,111 32: 2022-04-18
33: US 31: 63/339,949 32: 2022-05-09
33: US 31: 63/343,971 32: 2022-05-19
33: US 31: 63/355,562 32: 2022-06-24
33: US 31: 63/368,602 32: 2022-07-15
33: US 31: 63/370,106 32: 2022-08-01
54: INFRARED PLASMA LIGHT RECYCLING THERMOPHOTOVOLTAIC HYDROGEN ELECTRICAL POWER GENERATOR
00: -
A power generator is described that provides at least one of electrical and thermal power comprising (i) at least one reaction cell for reactions involving atomic hydrogen product's identifiable by unique analytical and spectroscopic signatures, (ii) a molten metal injection system comprising at least one pump such as an electromagnetic pump and (iii) an ignition system comprising an electrical power source that provides low-voltage, high-current electrical energy to the at least one steam of molten metal to ignite a plasma to initiate rapid kinetics of the reaction and an energy gain.

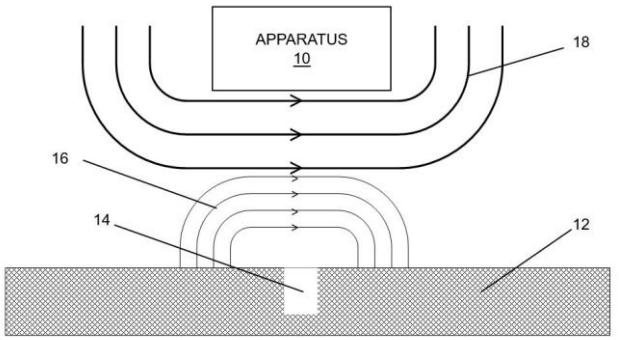


21: 2024/08190. 22: 2024/10/30. 43: 2026/08/12
51: A61K; A61P; C07D
71: Omeros Corporation
72: CUTSHALL, Neil S., GAGE, Jennifer Lynn, KWON, Do Yeon, LITTLE, Thomas L., METZ, Markus, NOLLERT VON SPECHT, Peter Kurt, TSOUNG, Jennifer, NGUYEN, Jeremiah H., DAVIS, Melinda, LEMUS, Robert Huerta, KESHIPEDDY, Santosh Kumar, GOLDSTEIN, Sara Rebecca
33: US 31: 62/943,599 32: 2019-12-04
54: MASP-2 INHIBITORS AND METHODS OF USE
00: -
The present disclosure provides, inter alia, compounds with MASP-2 inhibitory activity, compositions of such compounds, and methods of making and using such compounds.

21: 2024/08323. 22: 2024/11/04. 43: 2026/09/10
51: A61B
71: LIFELINK INNOVATIONS LIMITED
72: RYAN, Caitriona, OMAR, Muhammad, MURTAZA, Hussain, ALI, Aatif, USMAN, Muhammad, KHAN, Saad Saleem
54: NON-INVASIVE CONTINUOUS BLOOD PRESSURE MONITORING
00: -
A device and method for non-invasive continuous blood pressure monitoring are provided. The device includes a wearable member with one or more sensors. Each sensor comprises a superstrate material and a resonator. The device is configured such that the superstrate is deformed or displaced by perturbations of skin near an artery for each pulse. The deformation or displacement of the superstrate changes the frequency response of the resonator, which is measurable. The change in frequency response may be used to detect when a pulse of the artery occurs. The device may include a plurality of sensor arranged at predetermined locations. A time delay between the pulse measurements is used to determine a blood pressure of a subject. The device may be configured to be wearable throughout a day to enable continuous blood pressure monitoring.



21: 2024/08324. 22: 2024/11/04. 43: 2026/09/10
51: G01R
71: CHAMPION MOBILE GLOBAL LTD
72: ROBINSON, Justyna, KHAN, Saad Saleem, OMAR, Muhammad, USMAN, Muhammad, SAUD, Abdullah, NISAR, Hamza
54: AN APPARATUS FOR DETECTING PARTIAL DISCHARGE IN ELECTRICAL EQUIPMENT
00: -
Aspects of the present disclosure provide an apparatus for detecting partial discharge in electrical equipment. The apparatus may include a microwave sensor operable at a given frequency to scan for partial discharge. The apparatus may include a conductor disposed adjacent the sensor to define a distance between the conductor and sensor. The conductor may include two conductive layers separated by a dielectric. The layers may be configured to be connectable to a voltage source for providing an electromagnetic field between them which interacts with a field of the sensor to cause a shift in a frequency response of the sensor. The apparatus may further include a control module configured to control the shift in frequency response by controlling a voltage applied to the conductor. Therefore, the sensor may be tuned to different frequency for sensing a partial discharge at a new frequency.



21: 2024/08530. 22: 2024/11/11. 43: 2026/09/10
51: H03C
71: CHAMPION MOBILE GLOBAL LTD
72: ROBINSON, Justyna, OMAR, Muhammad, ZAINAB, Chaudhry, USMAN, Muhammad, KHAN, Saad Saleem

54: A MODULATOR

00: -

A modulator including an amplitude modulating component for modulating an amplitude of an electromagnetic signal is provided. The amplitude modulating component comprises a first conductor for tunnelling the electromagnetic signal from an input of the modulator to an output of the modulator. The first conductor is spaced apart from a second conductor, which is electrically connected to a power source. The power source is configured to induce an electrical current in the second conductor thereby creating a magnetic field around the second conductor. The magnetic field created around the second conductor interacts with the electromagnetic signal of the first conductor, causing electromagnetic interference in the first conductor such that the amplitude of the electromagnetic signal is either increased or decreased by a factor associated with an applied voltage of the power source. Each of the first and second conductors may be conducting wires.

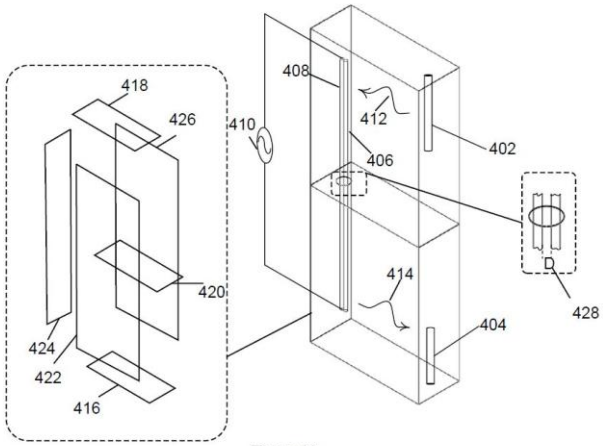


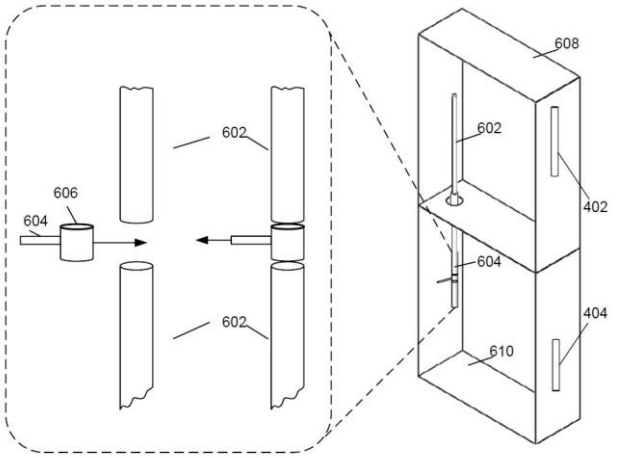
Figure 4A

21: 2024/08532. 22: 2024/11/11. 43: 2026/09/10
51: H03C
71: CHAMPION MOBILE GLOBAL LTD
72: ROBINSON, Justyna, OMAR, Muhammad, ZAINAB, Chaudhry, USMAN, Muhammad, KHAN, Saad Saleem

54: A MODULATOR

00: -

A modulator is provided including a phase modulating component for modulating a phase of an electromagnetic signal. The phase modulating component includes a conductor having conducting elements and is configured to tunnel the electromagnetic signal from an input of the modulator to an output of the modulator at a tunnelling frequency. The tunnelling frequency is dependent on an effective length of the conductor and/or a hosting material around the conductor. The phase modulating component includes a switch mechanism configured to connect and disconnect the conducting elements of the conductor to change the effective length of the conductor and thereby change the tunnelling frequency.



21: 2024/08533. 22: 2024/11/11. 43: 2026/09/10
51: H03C
71: CHAMPION MOBILE GLOBAL LTD
72: ROBINSON, Justyna, OMAR, Muhammad, ZAINAB, Chaudhry, USMAN, Muhammad, KHAN, Saad Saleem

54: A MODULATOR

00: -

A modulator is provided including a phase modulating component for modulating a phase of an electromagnetic signal. The phase modulating component includes a conductor for tunnelling the electromagnetic signal from an input of the modulator to an output of the modulator, and a rod in electrical communication with a power source. The modulator includes a means for changing a permittivity of at least a section of the rod nearest to the conductor. The phase of the electromagnetic signal tunnelling through the conductor is dependent on the permittivity of the section of the rod nearest to the conductor.

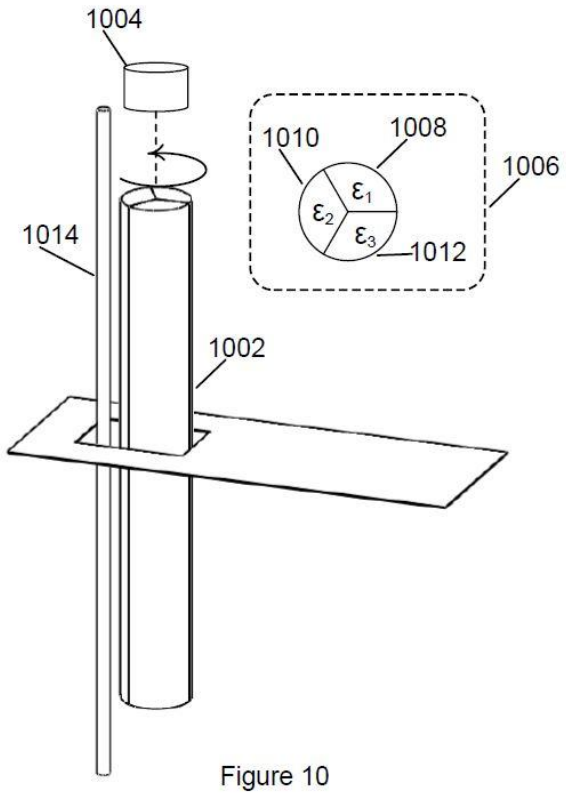


Figure 10

21: 2024/08741. 22: 2024/11/18. 43: 2026/09/10
51: H04J; H04L
71: CHAMPION MOBILE GLOBAL LTD
72: ROBINSON, Justyna, OMAR, Muhammad, ZAINAB, Chaudhry, USMAN, Muhammad, KHAN, Saad Saleem

54: A PASSIVE DUPLEXER

00: -

A passive duplexer comprising: an electrical transmission path including a first resonator and an electrical receiver path including a second resonator, each path being connected to an antenna for transmitting and receiving electrical signals; wherein at least one of the first and second resonators has a chiral geometry and a fractal geometry; and wherein the first resonator has a first operating frequency and the second resonator has a second operating frequency.

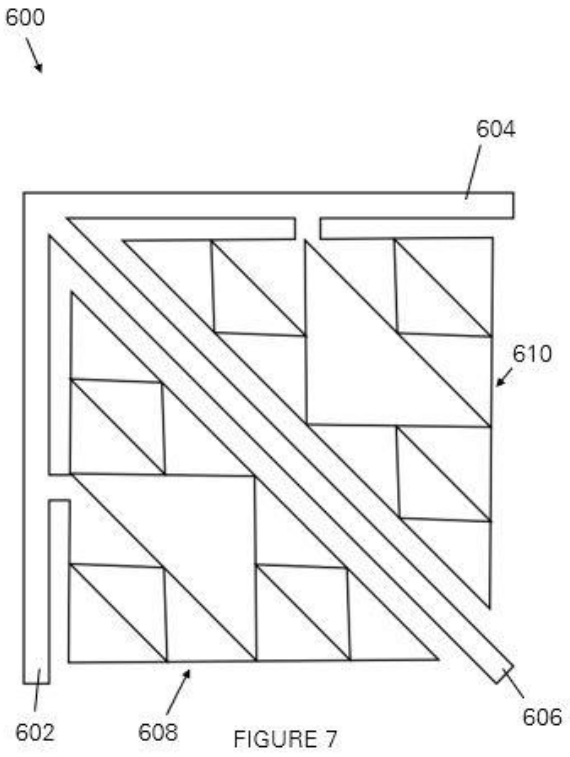
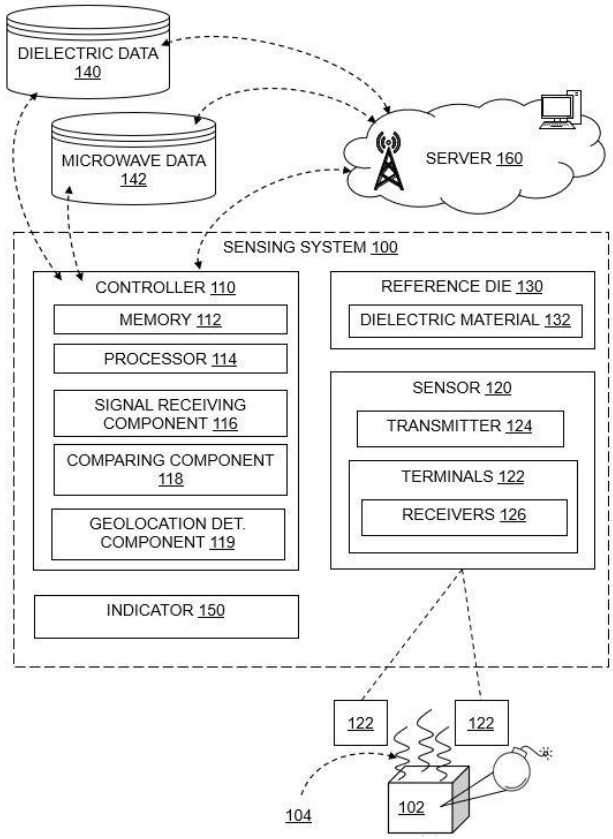
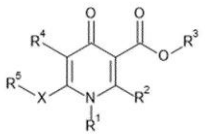


FIGURE 7

21: 2024/08886. 22: 2024/11/22. 43: 2026/09/10
51: G05D; H04B
71: AFRICA NEW ENERGIES LIMITED
72: LARKIN, Stephen, OMAR, Muhammad, TAHA, Muhammad, AMAAR, Akasha, KHAN, Saad Saleem, RAW, Brendon
54: NITROAROMATIC COMPOUND AND ENCLOSURE SENSOR
00: -
A sensing system, sensor, and method for detecting a nitroaromatic substance is described. The sensing system comprising a controller which has a processor and a memory, said memory containing instructions executable by said processor. The sensing system further comprising a capacitive sensor connected to the controller, the capacitive sensor having at least two terminals configured to sense a capacitance of a dielectric medium between the terminals and to generate a signal indicative of the capacitance which is received by the controller. The controller is arranged to process the received signal so as to determine the presence or absence of nitroaromatic vapour in the dielectric medium.



21: 2024/09009. 22: 2024/11/26. 43: 2026/08/11
51: A01N; C07D; A01P
71: Syngenta Crop Protection AG
72: MORRIS, James Alan, WHALLEY, Louisa, KRISTOFFERSEN, Abbie Louise, GOMM, Andrew
33: EP(CH) 31: 22176869.0 32: 2022-06-01
54: HERBICIDAL DERIVATIVES
00: -
Compounds of Formula (I) wherein the substituents are as defined in claim 1. The invention further relates to herbicidal compositions which comprise a compound of Formula (I) and to the use of compounds of Formula (I) for controlling weeds, in particular in crops of useful plants.

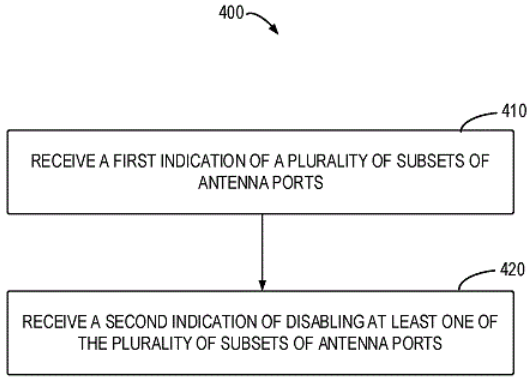

(I)

21: 2025/00424. 22: 2025/01/13. 43: 2026/08/07
51: C10L
71: EURENCO FRANCE SAS
72: BATAILLE MORIN, ANNE-GAËLLE, SAMSON, RICHARD, FOUCHER, FABRICE

33: FR 31: FR2206260 32: 2022-06-23
54: METHANOL-BASED ENGINE FUEL CONTAINING A COMBUSTION-ENHANCING ADDITIVE
00: -
The invention relates to a fuel for a compression ignition engine, comprising 98.0% to 99.9% by mass of methanol and 0.01% to 2.0% by mass of an alkyl nitrate or a mixture of alkyl nitrates.

21: 2025/01949. 22: 2025/03/04. 43: 2026/08/17
51: C07C; C07D; A61P
71: FERTIS INDIA PVT LTD
72: KANUMURU, Rahul Raju, KOCHUMALAYIL, Shaji George, SURANENI, Ravikumar, VANA, Murali Mohanarao
33: IN 31: 202241049555 32: 2022-08-30
54: NOVEL COCRYSTALS OF METHYLXANTHINES, THEIR POLYMORPHS AND PROCESS THEREOF
00: -
The present invention relates to cocrystals of Methylxanthines with Stilbenoids as coformers, their polymorphic forms and to the process for preparation thereof. The debittering of Methylxanthines is carried out by co-crystallization using Stilbenoids as coformers. The invention further relates to the preparation of polymorphic forms of debittered cocrystals and their use in nutraceutical and pharmaceutical compositions.

21: 2025/01997. 22: 2025/03/05. 43: 2026/08/19
51: H04B; H04L
71: NOKIA TECHNOLOGIES OY
72: DEGHEL, Matha, TOSATO, Filippo, ENESCU, Mihai, LADDU, Keeth, Saliya, Jayasinghe
54: SPATIAL CONFIGURATION ADAPTATION
00: -
Example embodiments of the present disclosure relate to devices, methods, apparatuses and computer readable storage media for dynamic antenna port related configuration. The method comprises: receiving, at a terminal device and from a network device, a first indication of a plurality of subsets of antenna ports; and receiving, at the terminal device and from the network device, a second indication of disabling at least one of the plurality of subsets of antenna ports.



21: 2025/02005. 22: 2025/03/05. 43: 2026/10/16
51: F04D
71: WEIR MINERALS AUSTRALIA LTD
72: DUONG, Chi Huy, HANHINIEMI, Jeremy John, WEERASEKARA, Nirmal Srinada
33: AU 31: 2022902763 32: 2023-09-22
54: FROTH PUMP ASSEMBLY AND PARTS THEREOF
00: -
A rear side liner for a centrifugal froth pump, the rear side liner part housed within a rear casing part when in use, the rear side liner part defining a collection chamber including a rear wall and a volute shaped outer peripheral side wall projecting from the rear wall to an open front side, the collection chamber further including a venting outlet wherein a portion of the outer peripheral side wall forms an upper interior surface of the venting outlet.

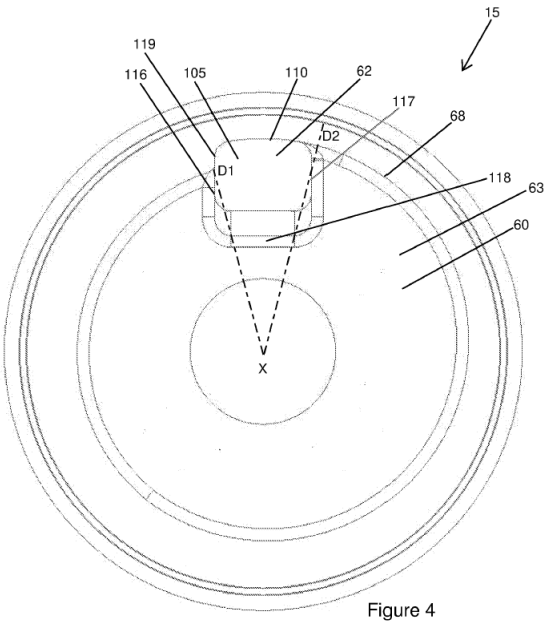


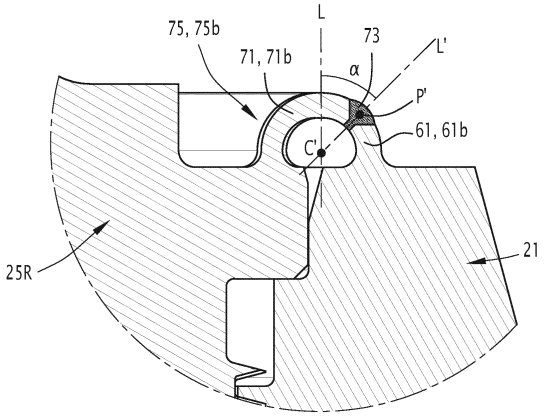
Figure 4

21: 2025/02057. 22: 2025/03/06. 43: 2026/09/16
51: G21C
71: FRAMATOME
72: LALLIER, Mickael, DUPUIS, Alexandre, HUGUET, François Régis, SZCZUREK, Eddy
33: FR 31: FR2209303 32: 2022-09-15

54: METHOD FOR MAINTAINING A NUCLEAR REACTOR

00: -

The maintenance method relates to a drive assembly of a control rod assembly. The method comprises the following steps: - removing the initial weld (67) of the omega seal (65) and removing the jacket (25); - carrying out at least one maintenance operation on the drive assembly (17); - cutting an edge (69) of the first lip (61) of the omega seal (65); - obtaining a replacement jacket (25R) including a new second lip (71); - creating a new sealed weld (73) between the first lip (61) and the new second lip (71), the new weld (73) being angularly offset by an angle (a) of between 15° and 80° in relation to the initial weld.

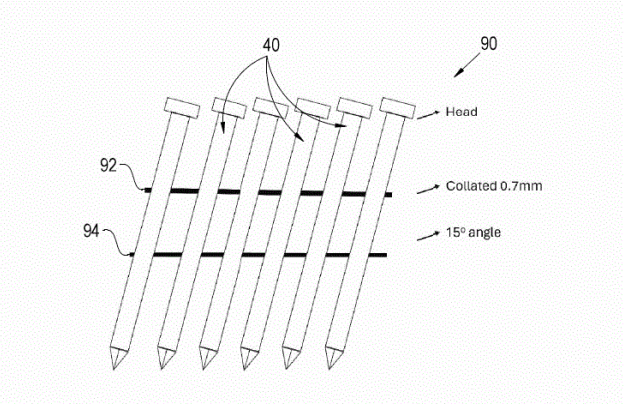


21: 2025/02079. 22: 2025/03/07. 43: 2026/08/07
51: B27F; B29C; E04B
71: NIEUWENHUYS, Kathleen
72: NIEUWENHUYS, Kathleen
33: ZA 31: 2024/01910 32: 2024-03-07

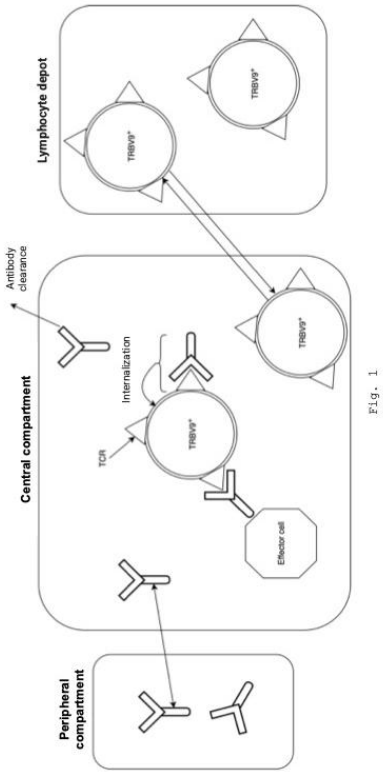
54: REINFORCED POLYMER FASTENER AND RELATED METHOD OF MANUFACTURE

00: -

A collated strip of polymer fasteners is provided, the collated strip comprising a plurality of spaced apart polymer fasteners, each made from a polymer material, each polymer fastener comprising a head and a shank extending therefrom, the shank terminating at an end; and a connector integrally formed with, and extending transversely across, the shanks of each polymer fastener, the connector being arranged to separate the fasteners, including the heads of each fastener, from each other. In an embodiment, a portion of the shank is threaded, the threaded portion of the shank being either screw-threaded or ring-threaded. The connector comprises a pair of spaced apart collating threads to integrally connect the shanks of the polymer fasteners together, to define the collated strip of polymer fasteners. In one version, the connector is made from the same polymer material as the polymer fasteners.



21: 2025/02388. 22: 2025/03/18. 43: 2026/09/18
51: A61K; C07K; A61P
71: JOINT STOCK COMPANY "BIOCAD"
72: ZINKINA-ORIKNAN, Arina Valerievna, MOROZOVA, Mariia Andreevna, LINKOVA, Yulia Nikolaevna, USTIUGOV, Iakov Urievich, ALEKSANDROV, Aleksei Aleksandrovich, OGANOVA, Marina Albertovna, MOROZOV, Dmitry Valentinovich
33: RU 31: 2022122378 32: 2022-08-18
33: RU 31: 2023110336 32: 2023-04-21
33: RU 31: 2023121536 32: 2023-08-17
54: METHOD FOR TREATING A T-LYMPHOCYTE-MEDIATED DISEASE
00: -
The present invention relates to the field of medicine, and more particularly to a method for treating a disease or disorder mediated by T-lymphocytes bearing a TRBV9 segment within the T-cell receptor, which includes administering an anti-TRBV9 antibody in specific doses and dosage regimens, and further relates to the use of an anti-TRBV9 antibody to treat a disease or disorder mediated by T-lymphocytes bearing a TRBV9 segment within the T-cell receptor, where the anti-TRBV9 antibody is administered in specific doses and dosage regimens.



21: 2025/02638. 22: 2025/03/26. 43: 2026/09/17
51: C05D
71: POSTMA, Clayton Julian
72: POSTMA, Clayton Julian
33: ZA 31: 2022/10496 32: 2022-09-22
54: NUTRITIONAL SOIL CONDITIONING AGENT
00: -
A pelletized nutritional soil conditioning formulation which includes particulates of igneous rock; particulates of a carbon source; and a binding agent to bind together the particulates of igneous rock and the carbon source.

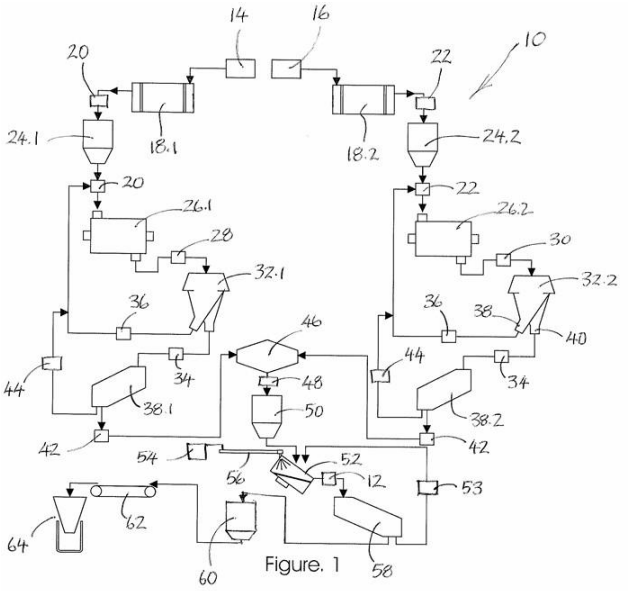


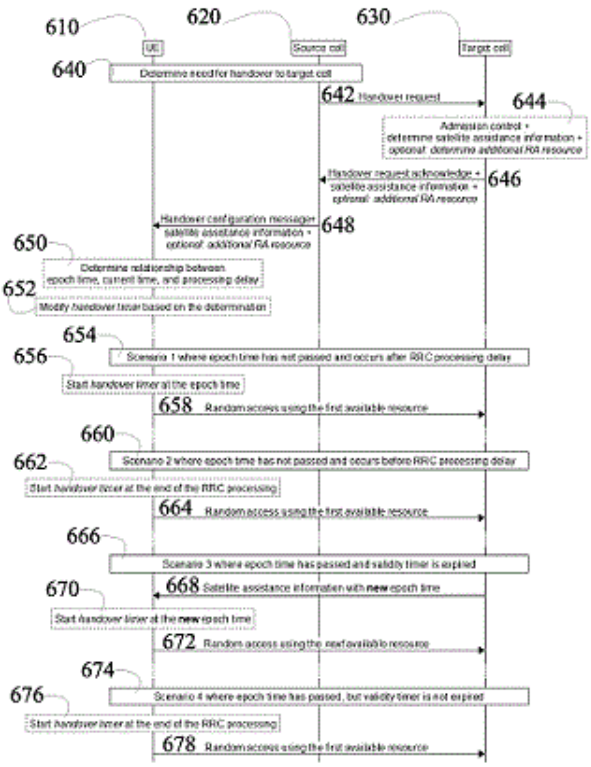
Figure. 1

21: 2025/03227. 22: 2025/04/16. 43: 2026/08/19
51: H04W; G01S
71: NOKIA TECHNOLOGIES OY
72: MEDEIROS DE AMORIM, Rafhael, LAURIDSEN, Mads, PORTELA LOPES DE ALMEIDA, Erika
33: FI 31: 20225862 32: 2022-09-29

54: MANAGING OF SATELLITE ASSISTANCE INFORMATION DURING HANDOVER PROCEDURE

00: -

There is provided an apparatus comprising: at least one processor; and at least one memory storing instructions that, when executed by the at least one processor, cause the apparatus at least to perform: receiving, from a serving cell, a configuration message for a handover to a target cell associated with a different satellite assistance information than satellite assistance information associated with the serving cell, wherein the configuration message is indicative of at least: the satellite assistance information associated with the target cell; and a validity timer for defining validity of at least part of the satellite assistance information; wherein the satellite assistance information comprises at least: an epoch time and corresponding satellite assistance information, which is to be applied after reaching the epoch time; determining, based on at least the epoch time, whether to modify a handover timer and/or one or more requirements on handover completion.



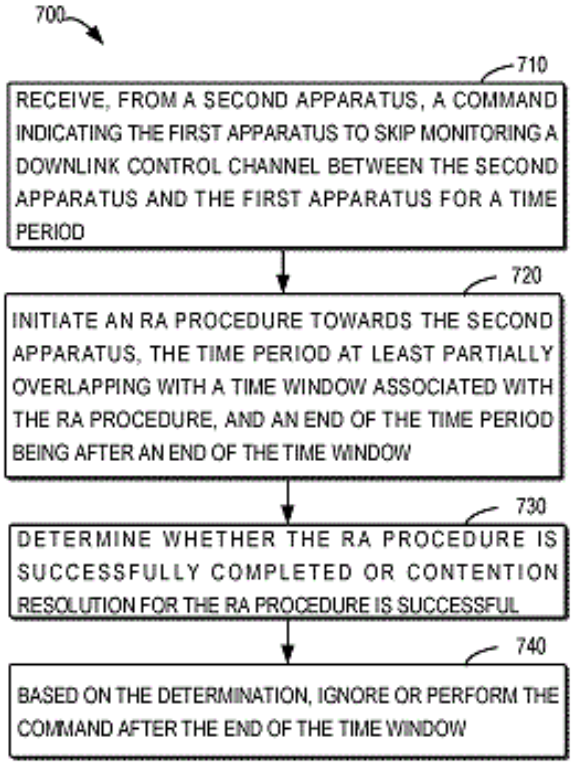
21: 2025/03228. 22: 2025/04/16. 43: 2026/08/19
51: H04W
71: NOKIA TECHNOLOGIES OY
72: TURTINEN, Samuli, Heikki, WU, Chunli, KOSKINEN, Jussi-Pekka, KAIKKONEN, Jorma, Johannes

54: CONDITIONAL SKIPPING MONITORING OF DOWNLINK CONTROL CHANNEL

00: -

Embodiments of the present disclosure relate to for conditionally skipping monitoring of downlink control channel in random access. A first apparatus receives, from a second apparatus, a command indicating the first apparatus to skip monitoring a downlink control channel between the second apparatus and the first apparatus for a time period. The first apparatus initiates an RA procedure towards the second apparatus. The time period at least partially overlaps with a time window associated with the RA procedure and an end of the time period is after an end of the time window. The first apparatus determines whether the RA procedure is successfully completed or contention resolution for the RA procedure is successful. Based on the determination, the first apparatus ignores or

performs the command after the end of the time window.

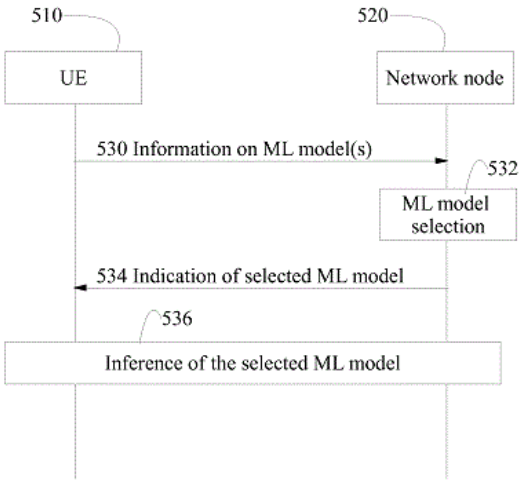


21: 2025/03232. 22: 2025/04/16. 43: 2026/08/19
51: G06N; H04L
71: NOKIA TECHNOLOGIES OY
72: PIRMAGOMEDOV, Rustam, BUTT, Muhammad, Majid
33: FI 31: 20225831 32: 2022-09-23

54: A METHOD OF REDUCING DIVERSITY OF TWO-SIDED MACHINE LEARNING MODELS

00: -

There is provided an apparatus comprising means for performing the following: transmitting, to a network node, information on at least one two-sided machine learning model supported by the apparatus; or transmitting, to a network node, machine learning profile identity of the apparatus, wherein the machine learning profile identity is associated with at least one two-sided machine learning model supported by the apparatus; wherein the at least one two-sided machine learning model is configured to enable joint inference by the apparatus and the network node; receiving, from the network node, an indication of at least a first selected two-sided machine learning model supported by the apparatus.

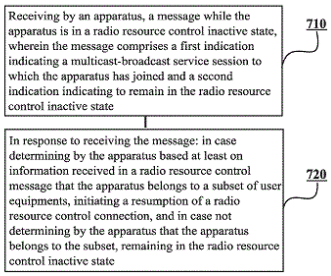


21: 2025/03416. 22: 2025/04/23. 43: 2026/08/19
51: H04W
71: NOKIA TECHNOLOGIES OY
72: ELMALI, Ugur Baran, PANIGRAHI, Bighnaraj, GODIN, Philippe, MALKAMÄKI, Esa, Mikael, SEBIRE, Benoist, Pierre
33: IN 31: 202241055992 32: 2022-09-29

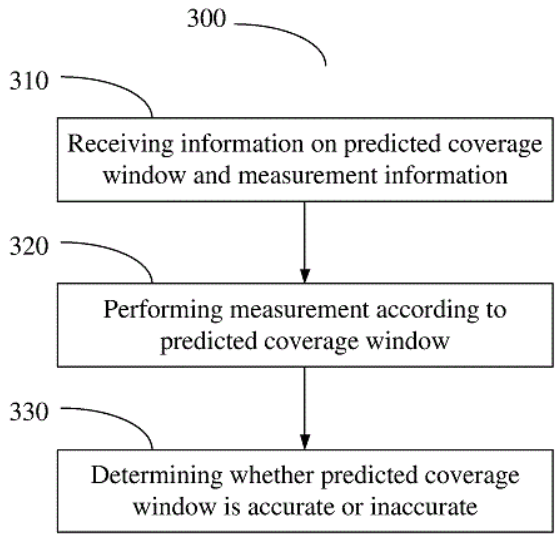
54: MULTICAST AND BROADCAST SERVICES IN CELLULAR COMMUNICATION NETWORKS

00: -

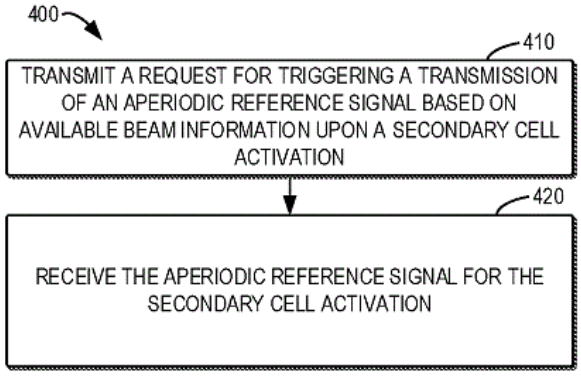
According to an example aspect of the present invention, there is provided a method comprising receiving, by an apparatus, a message while the apparatus is in a radio resource control inactive state, wherein the message comprises a first indication indicating a multicast-broadcast service session to which the apparatus has joined and a second indication indicating to remain in the radio resource control inactive state and in response to receiving the message: in case determining based at least on information received in a radio resource control message that the apparatus belongs to a subset of user equipments, initiating a resumption of a radio resource control connection, and in case not determining that the apparatus belongs to the subset, remaining in the radio resource control inactive state.



21: 2025/03417. 22: 2025/04/23. 43: 2026/08/19
51: H04B
71: NOKIA TECHNOLOGIES OY
72: LAURIDSEN, Mads, XU, Xiang, YUAN, Ping, WIGARD, Jeroen, HIETALAHTI, Hannu, Petri
54: DEVICES, METHODS, APPARATUSES, AND COMPUTER READABLE MEDIA FOR NON-TERRESTRIAL NETWORKS
00: -
Disclosed are devices, methods, apparatuses, and computer readable media for coverage window prediction. An example terminal device may include at least one processor and at least one memory. The at least one memory may store instructions that, when executed by the at least one processor, may cause the terminal device at least to perform: receiving from a network device, information on a predicted coverage window and measurement information relating to the predicted coverage window, the measurement information comprising one or more expected measurement values; performing, according to the predicted coverage window, at least one measurement according to the measurement information; and determining whether the predicted coverage window is accurate or inaccurate based on a value of the performed at least one measurement and the corresponding at least one expected measurement value from the one or more expected measurement values.

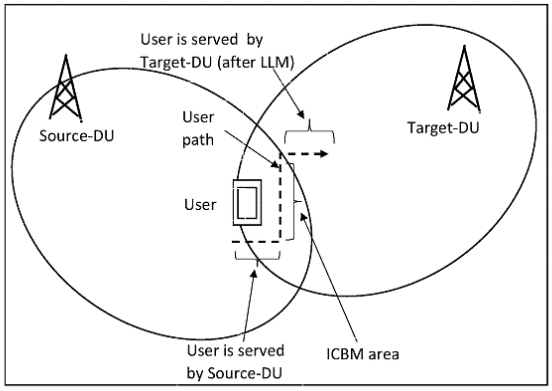


21: 2025/03419. 22: 2025/04/23. 43: 2026/08/19
51: H04L
71: NOKIA TECHNOLOGIES OY
72: DU, Lei, DALSGAARD, Lars
54: APERIODIC REFERENCE SIGNAL BASED SECONDARY CELL ACTIVATION
00: -
Embodiments of the present disclosure relate to devices, methods, apparatuses and computer readable storage media of an Aperiodic Reference Signal (ARS) based Secondary Cell (SCell) activation. The method comprises transmitting, from a first device to a second device, a request for triggering a transmission of an aperiodic reference signal based on available beam information upon a secondary cell activation; and receiving the aperiodic reference signal for the secondary cell activation.



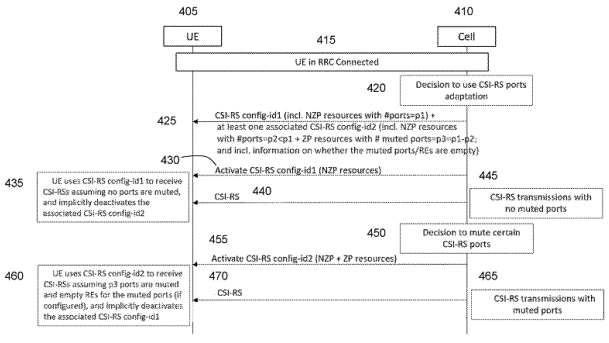
21: 2025/03420. 22: 2025/04/23. 43: 2026/08/19
51: H04W
71: NOKIA TECHNOLOGIES OY

72: KARIMIDEHKORDI, Ali, SPAPIS, Panagiotis, AWADA, Ahmad, GÜRSU, Halit Murat, KOSKELA, Timo, KARABULUT, Umur
33: GB 31: 2214176.6 32: 2022-09-28
54: INTER CELL BEAM MANAGEMENT MODE AND LOWER LAYER MOBILITY
00: -
An apparatus comprises means for receiving measurement report information provided by a communications device, the communications device using a beam associated with a cell of a target node while being connected to a source node, means for determining based on the measurement report that the communications device is to change cell to a target cell of the target node, and means for causing information to be provided to the communications device of a cell change to the target cell.



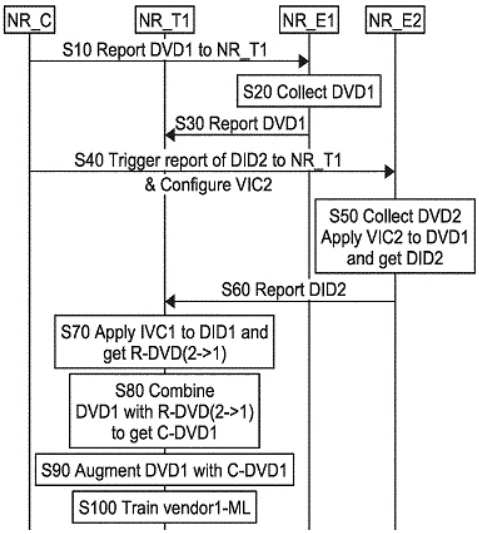
21: 2025/03423. 22: 2025/04/23. 43: 2026/08/19
51: H04L
71: NOKIA TECHNOLOGIES OY
72: RANTA-AHO, Karri, Markus, TIIROLA, Esa, Tapani, HATHIRAMANI, Navin
33: US 31: 63/377,989 32: 2022-09-30
54: MONITORING OF PDCCH CANDIDATES OVERLAPPING WITH LTE CRS IN ENHANCED DYNAMIC SPECTRUM SHARING CONFIGURATION
00: -
Various techniques are provided for a method that can perform a process including determining, by a user equipment, whether a control channel candidate of a first radio-access technology overlaps with at least one resource element of a second radio-access technology, determining, by the user equipment, whether or not to process the control channel candidate of the first radio-access technology based on a predetermined criterion associated with the control channel candidate, in response to the user equipment determining not to process the control channel candidate, disable monitoring of the control channel candidate by the user equipment, and in response to the user equipment determining to process the control channel candidate, processing the control channel candidate by the user equipment.

21: 2025/03425. 22: 2025/04/23. 43: 2026/08/19
51: H04L
71: NOKIA TECHNOLOGIES OY
72: LASELVA, Daniela, DHERE, Amol, DEGHEL, Matha, ZHENG, Naizheng
54: ENHANCED CSI CONFIGURATION FOR SPATIAL DOMAIN ADAPTATION
00: -
An apparatus configured to: receive at least two resource set configurations, wherein a first configuration of the at least two resource set configurations comprises an indication that a first number of ports are mapped to a first set of resources that are used for a first type of resource, wherein a second configuration of the at least two resource set configurations comprises an indication that the first number of the ports are mapped to the first set of resources that are used for a second type of resource, wherein the first type of resource is different from the second type of resource; determine to use one of the at least two resource set configurations; and receive at least one reference signal based, at least partially, on the determined configuration of the at least two resource set configurations.



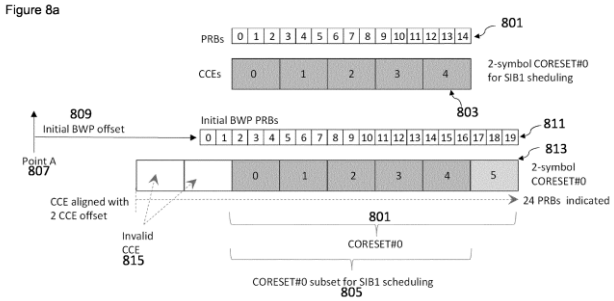
21: 2025/03428. 22: 2025/04/23. 43: 2026/08/19
51: H04L
71: NOKIA TECHNOLOGIES OY
72: BARBU, Oana-Elena, KOVÁCS, István, Zsolt

33: GB 31: 2214157.6 32: 2022-09-28
54: TRAINING DATA COLLECTION
00: -
An apparatus, comprising: a co-ordinator function configured to send a first configuration message to a first collector function, the first configuration message including information to configure the first collector function to collect first training data, to transform the first training data to generate transformed first training data and to report the transformed first training data.



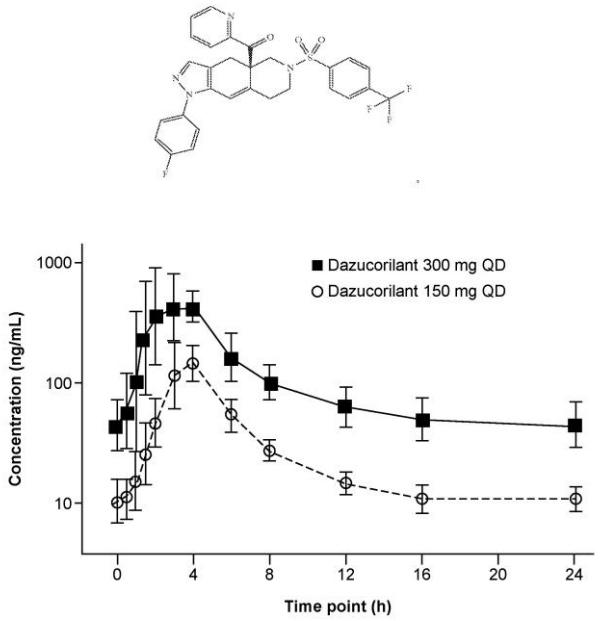
21: 2025/03557. 22: 2025/04/25. 43: 2026/08/19
51: H04L
71: NOKIA TECHNOLOGIES OY
72: TIIROLA, Esa, Tapani, HOOLI, Kari, Juhani, HAKOLA, Sami-Jukka, KAIKKONEN, Jorma, Johannes
33: GB 31: 2214243.4 32: 2022-09-29
54: METHOD, APPARATUS AND COMPUTER PROGRAM
00: -
There is provided an apparatus comprising means for detecting a primary synchronisation signal and a secondary synchronisation signal transmitted from a network node, and means for using the detected primary and secondary synchronisation signals to determine a number of resource blocks allocated for a physical broadcast channel. The apparatus also comprises means for determining a lowest resource block, in frequency, of the physical broadcast channel, and means for determining a lowest resource block, in frequency, for a control resource set 0, CORESET#0, to be the same as the determined lowest resource block of the physical broadcast channel.

Figure 8a

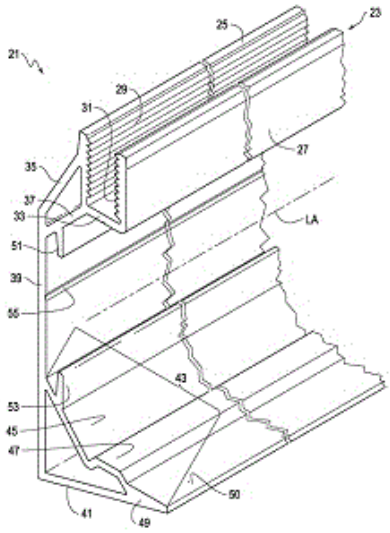


21: 2025/03928. 22: 2025/05/08. 43: 2026/09/10
51: A61K; A61P
71: CORCEPT THERAPEUTICS INCORPORATED
72: MANN, Grace, TUDOR, Iulia Cristina, GUYER, William, HUNT, Hazel, CUSTODIO, Joseph
33: US 31: 63/420,409 32: 2022-10-28
33: US 31: 63/427,305 32: 2022-11-22
33: US 31: 63/453,989 32: 2023-03-22
33: US 31: 63/525,044 32: 2023-07-05
54: TREATMENTS FOR AMYOTROPHIC LATERAL SCLEROSIS USING DAZUCORILANT
00: -
Applicant discloses methods and compositions for treating a patient suffering from amyotrophic lateral sclerosis (ALS) comprising administration of a heteroaryl ketone fused azadecalin compound. In embodiments, the heteroaryl ketone fused azadecalin compound is dazucorilant: (R)-(1-(4-fluorophenyl)-6-((4-(trifluoromethyl)phenyl) sulfonyl)-4, 4a, 5,6,7,8-hexahydro-1-H-pyrazolo[3,4-g]isoquinolin-4a-yl) (pyridin-2-yl)methanone, having the chemical structure illustrated as. Suitable doses include daily administration of 150 milligrams and 300 milligrams of dazucorilant. Suitable doses include daily administration of dazucorilant with food, or with water, or with food and water. Daily administration of dazucorilant is effective to increase dazucorilant exposure up to about 2-fold when continued for seven days or more. Administration of such a heteroaryl ketone fused azadecalin compound may comprise oral administration, enteral administration, or other administration. Pharmaceutical compositions comprising dazucorilant are useful in the treatment of patients suffering from ALS. Suitable pharmaceutical compositions comprising dazucorilant include, e.g.,

pharmaceutical compositions for oral administration and pharmaceutical compositions for enteral administration.



21: 2025/04963. 22: 2025/06/11. 43: 2026/08/20
51: E04B
71: TATE ACCESS FLOORS, INC.
72: BIELKOV, MAKSYM, BUSS, CHRISTOPHER, FOX, LUCAS MICHAEL
33: US 31: 18/799,228 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) a threaded member receptacle having a pair of parallel, spaced side walls that are threaded to receive and retain a first threaded member, (2) a vertical wall parallel to and spaced laterally from the pair of side walls, (3) a slanted wall extending outwardly and downwardly from the pair of side walls and joined to the vertical wall and (4) a lower portion at the bottom of the vertical wall and configured to support a ceiling tile.



21: 2025/05292. 22: 2025/06/20. 43: 2026/08/20
51: H02J; G06F
71: ETHERNETICS
72: LEUNE, ROBERT
33: BE 31: BE2022/5963 32: 2022-11-28
54: A POWER DISTRIBUTION UNIT (PDU) FOR OPTIMIZING THE DISTRIBUTION OF POWER TO MULTI-PSU ICT EQUIPMENT SUCH AS SERVERS AND NETWORK SWITCHES ARRANGED IN A DATA CENTER RACK
00: -
A power distribution unit (PDU) is provided for distributing power to electrical equipment such as servers and network switches arranged in a data center rack. The PDU module comprises a three-phase switch and a decoupling switch and is configured to be in connection with a controller. The PDU module may also comprise a controller. Further a computer-implemented method is provided for distributing three-phase power in a rack system wherein the rack system comprises a power distribution system for powering electrical equipment and configured to be fed with a three-phase power source. The computer-implemented method is controlling the imbalance between the three live lines.

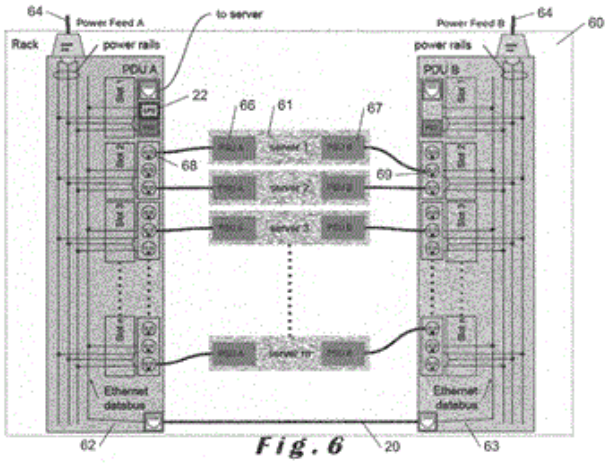


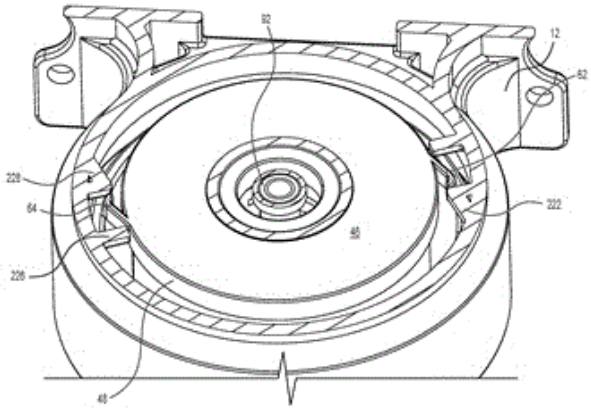
Fig. 6

21: 2025/05347. 22: 2025/06/23. 43: 2026/08/24
51: B01D
71: CATERPILLAR INC.
72: IMMEL, JON T, OEDEWALDT, STEPHEN E, SPENGLER, PHILIP C, SUTTON, BRIAN J, ALWARDT, TONY L
33: US 31: 63/434,981 32: 2022-12-23
33: US 31: 18/132,561 32: 2023-04-10

54: FLUID FILTER RETENTION MECHANISM

00: -

An endcap for a filter element includes an annular plate member disposed adjacent an axial end surface of an annular filter medium of the filter element. A radially outer annular flange projects axially from a surface of the annular plate member. The radially outer annular flange includes a winglet feature extending radially outwardly in a cantilever fashion from an outer circumferential surface of the radially outer annular flange in a direction opposite to a direction in which the filter element is rotated during installation into a filter base of a filter system, with the winglet feature deflecting toward the outer circumferential surface of the radially outer annular flange through contact with a wedge-shaped protrusion projecting radially inwardly from an inner circumference of the filter base as the filter element is rotatably installed into the filter base, and springing back to its undeflected configuration after passing the wedge-shaped rotrusion.

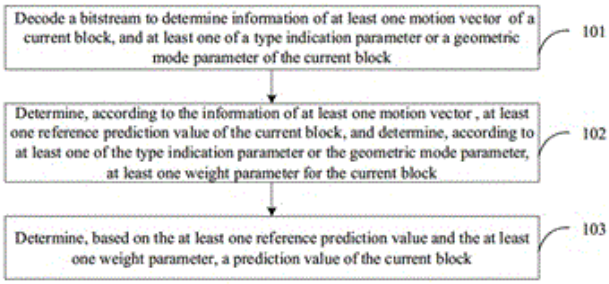


21: 2025/05424. 22: 2025/06/25. 43: 2026/08/24
51: H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: MA, YANZHUO, HUO, JUNYAN, QIU, RUIPENG, ZHANG, HONGLI, LI, MING

54: ENCODING AND DECODING METHOD, CODEC, BITSTREAM, AND STORAGE MEDIUM

00: -

The present application provides an encoding and decoding method, a codec, a bitstream, and a storage medium. The codec determines at least one piece of motion vector information of a current block, and a type indication parameter and/or a geometric mode parameter (101), determines at least one reference predicted value of the current block according to the at least one piece of motion vector information, and determines at least one weight parameter of the current block according to the type indication parameter and/or the geometric mode parameter (102), and determines a predicted value of the current block on the basis of the at least one reference predicted value and the at least one weight parameter (103). The present application greatly improves the accuracy of weighted prediction, and thus improves the encoding efficiency and the compression performance.



21: 2025/05645. 22: 2025/07/02. 43: 2026/08/07
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: DEGUERVILLE, ELODIE AURORE SUZANNE, HUGHES, SOPHIE CAROL, POULOS, ANDREAS STAVROS, TORRES, OPHELIE MARIE-PIERRE CECILE
33: EP 31: 22215792.7 32: 2022-12-22
54: ANTIPERSPIRANT AEROSOL COMPOSITION
00: -
An anhydrous antiperspirant aerosol composition comprising a relatively low level of an AP active which is aluminium sesquichlorohydrate activated by a water-soluble calcium salt and an amino acid, and a carrier oil which is free from volatile cyclic silicone oil and which comprises a C12-C16 branched chain alkane having a refractive index within 0.13 of that of the AP active.

21: 2025/05685. 22: 2025/07/03. 43: 2026/08/07
51: C07D; A61K; A61P; C12N
71: ASTELLAS PHARMA INC.
72: FUMIYAMA, HITOSHI, SAITO, TOMOYUKI, IMANISHI, MASASHI, INOUE, MAKOTO, NOTE, MIYU, MORIOKA, SHUNSUKE, ENDO, TAISUKE, KATO, TETSURO
33: JP 31: 2022-211994 32: 2022-12-28
33: JP 31: 2023-041432 32: 2023-03-15
54: 4-AMINOPIPERIDINE COMPOUND, LIPID NANOPARTICLES THEREOF, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME
00: -
The present invention addresses the problem of providing: a compound that is a 4-aminopiperidine lipid; lipid nanoparticles containing the lipid; and a pharmaceutical composition useful for nucleic acid medicines and the like. The present inventors have discovered a compound that is a 4-aminopiperidine lipid or a salt thereof, examined lipid nanoparticles that have the potential of being formed into various pharmaceutical compositions, and revealed that the lipid that is the compound according to the present invention or a salt thereof can form lipid nanoparticles, and moreover, lipid nanoparticles in which nucleic acid is encapsulated (i.e., nucleic acid lipid nanoparticles). In addition, the nucleic acid lipid nanoparticles containing the lipid according to the present invention are expected to serve as a component of pharmaceutical compositions useful for prevention and/or treatment of astrocyte-related diseases.

21: 2025/05774. 22: 2025/07/07. 43: 2026/08/12
51: A01M
71: RENTOKIL INITIAL 1927 PLC
72: GREEN, MATTHEW, MURRAY, GREGORY PETER DOBIE, MCCAIG, JOHN, PLOWMAN, SAMUEL MARK
33: GB 31: 2301014.3 32: 2023-01-24
54: A FLYING INSECT TRAP
00: -
A flying insect trap, comprising a housing for holding insect-killing liquid and a basket removably mounted within the housing. The basket comprises a plurality of holes, and the housing and basket are arranged so that a portion of the insect-killing liquid within the housing can pass through the holes into the interior of the basket. Each of the housing and the basket comprises at least one opening, such that a flying insect can travel from outside the housing through the at least one openings of the housing and the basket to the interior of the basket. The basket is arranged so that when the housing is holding insect-killing liquid and there are one or more insect corpses in the insect-killing liquid within the basket, when the basket is removed from the housing, the one or more insect corpses remain within the basket and are removed from the housing.

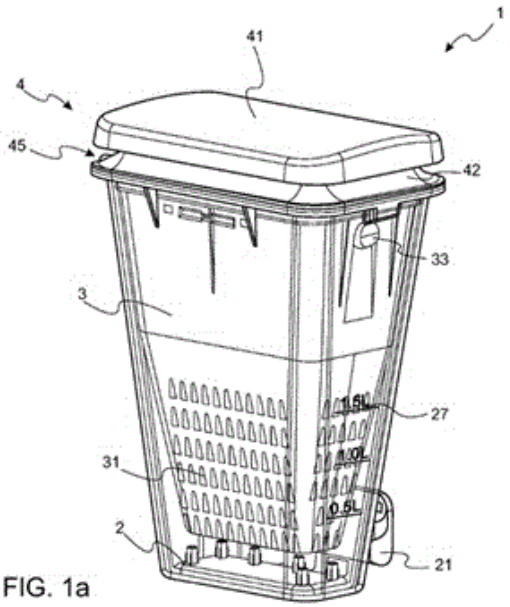
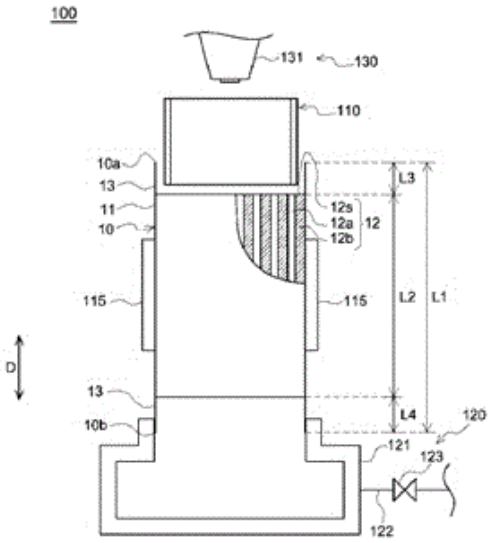


FIG. 1a

21: 2025/05828. 22: 2025/07/08. 43: 2026/08/07
51: B01J; B01D
71: CATALER CORPORATION
72: KUWAHARA, TAKASHI, OHARA, ETSUKO, MORITA, RYOMA
33: JP 31: 2022-209909 32: 2022-12-27
54: PRODUCTION METHOD FOR EXHAUST GAS PURIFICATION CATALYST
00: -
The present invention provides a production method that suppresses the adhesion of a slurry to a flange section when using a substrate with a flange section and suppresses the occurrence of uncoated sections in a honeycomb structure. The production method for an exhaust gas purification catalyst disclosed herein includes: a step in which a substrate 10 comprising a honeycomb structure 12 and an outer cylinder 11 with a flange section 13 is prepared; a step in which the substrate 10 is held so that the cylindrical axis of said substrate 10 substantially coincides with the vertical direction; a step in which a cylindrical partition member 110 having an outer diameter which is smaller than the inner diameter of the outer cylinder 11 is inserted into the outer cylinder 11 from the upper end thereof and the upper end surface of the honeycomb structure 12 and the lower end of the partition member 110 are arranged so as to face each other; a step in which a slurry is supplied to the partition member 110; and a step in which the slurry is suctioned from the lower end of the outer cylinder. The partition member 110 and the substrate 10 are arranged so as to obtain a predetermined clearance in the arrangement step, and the slurry supplied in the supply step is adjusted to a predetermined viscosity.

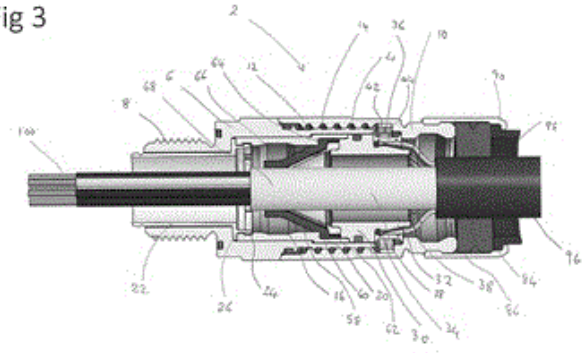


21: 2025/05829. 22: 2025/07/08. 43: 2026/08/07
51: A61K; A61P
71: VIVACELLE BIO, INC.
72: SIMPKINS, CUTHBERT O
33: US 31: 63/482,540 32: 2023-01-31
54: COMPOSITIONS AND METHODS FOR TREATING HYPERPROCALCITONEMIA
00: -
A composition for treating hyperprocalcitonemia is described. The composition comprises a lipophilic or hydrophobic component, an amphiphilic emulsifier, a polar liquid carrier, and with or without one or more electrolytes, where the amphiphilic emulsifier forms micelles having a lipophilic or hydrophobic core comprising the lipophilic or hydrophobic component in the polar liquid carrier, and /or liposomes organized as a lipid bilayer and/or other particle configurations.

21: 2025/05927. 22: 2025/07/11. 43: 2026/08/07
51: H02G; H01R
71: CMP PRODUCTS LIMITED
72: FRIZZELL, LEE, MAKARI, JONATHAN
33: EP 31: 22201976.2 32: 2022-10-17
33: EP 31: 23169237.7 32: 2022-10-17
54: CABLE GLAND
00: -

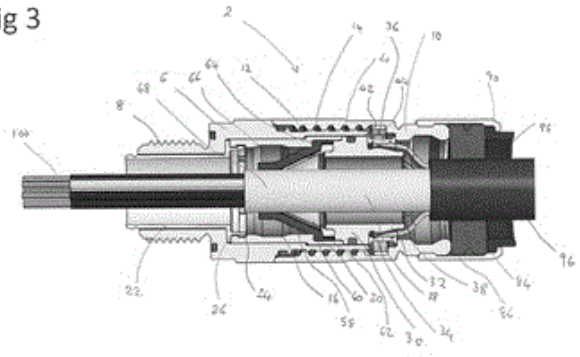
A seal support for supporting a seal in a cable gland. The seal support defines an aperture for receiving part of a cable extending through the cable gland. The seal support comprises a base portion and a tapering portion. The base portion is adapted to be mounted to a body of the cable gland. The tapering portion comprises a plurality of support members pivotably mounted to the base portion and adapted to engage the cable and support a seal engaging the cable. At least one said support member has a respective engaging surface for engaging a further said support member adjacent thereto as a result of pivoting of the support members relative to the base portion towards a longitudinal axis of said tapering portion, such that said support member and said further support member engage each other and slide relative to each other.

Fig 3

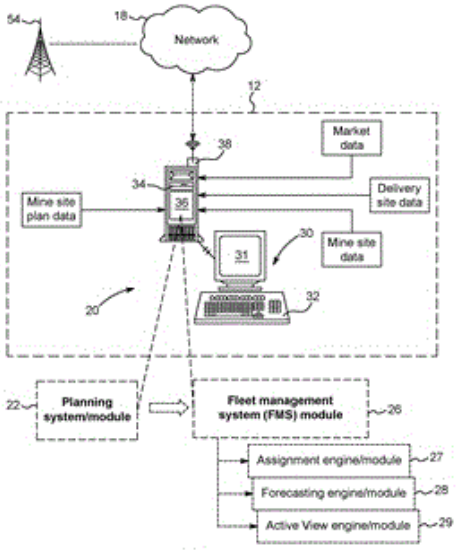


21: 2025/05928. 22: 2025/07/11. 43: 2026/08/07
51: H02G; H01R
71: CMP PRODUCTS LIMITED
72: FRIZZELL, LEE, MAKARI, JONATHAN
33: EP 31: 22201976.2 32: 2022-10-17
33: EP 31: 23169237.7 32: 2022-10-17
54: CABLE GLAND
00: -
A cable gland comprising a body, a clamping means and a retaining means. The body receives part of a cable extending through the cable gland. The body comprises a first body part and a second body part adapted to be mounted to the first body part. The clamping means comprises an inner clamping part and an outer clamping part for clamping an armour layer of a cable therebetween. The retaining means releasably retains the outer clamping part in the second body part. The retaining means is adapted to resiliently engage an internal surface of the second body part and to resiliently deform as a result of insertion of the outer clamping part into the second body part to enable the outer clamping part to be releasably mounted to the retaining means and be releasably retained in the second body part.

Fig 3



21: 2025/06024. 22: 2025/07/15. 43: 2026/08/07
51: E21C; G06Q
71: CATERPILLAR INC.
72: BROCKHURST, RUSSELL, WESLEY, CARLA, DOHERTY, THOMAS F, HARPOUR, JOHN, ADCOCK, DANIEL P, LEWIS, ADAM M, BALL, ALEXANDER
33: US 31: 18/098,748 32: 2023-01-19
54: SYSTEM, METHOD, AND COMPUTER-PROGRAM PRODUCT FOR TASK-BASED SHORT-TERM MANAGEMENT OF A MINE SITE
00: -
Systems, methods, and computer-program products can perform task-based management of a mine site (10). The systems, methods, and computer-program products can create, from and for immutable jobs of an imported plan, ranked tasks to be performed at the mine site (10); and assign (27, 1126) tasks falling within a defined window of time to be performed by work machines (50, 52) at the mine site (10). The assignment (27, 1126) of the tasks can be output on a specialized operator interface (330). Generally, the tasks can be assigned (27, 1126) such that as many tasks as possible are scheduled to be completed by a predetermined time.

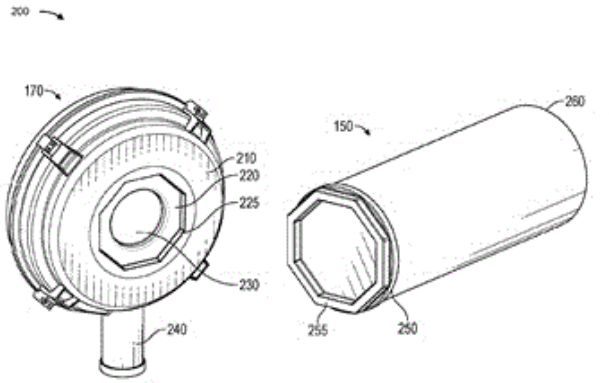


21: 2025/06025. 22: 2025/07/15. 43: 2026/08/07
51: B01D
71: CATERPILLAR INC.
72: FINN, TIMOTHY S
33: US 31: 18/156,097 32: 2023-01-18

54: A SERVICE COVER FOR INSTALLING AND REMOVING FILTER ELEMENTS OF A FILTER ASSEMBLY

00: -

A cover (170) for a filter assembly (100), of a machine, may comprise a first surface (210) comprising a first recessed surface (220) and a second surface (310), opposite the first surface (210), comprising a second recessed surface (320). The first recessed surface (220) may be configured to engage with a first end (250) of a first element (150) of the filter assembly (100). The second recessed surface (320) may be configured to engage with a second end (360) of a second element (160) of the filter assembly (100). The cover (170) may be configured to install the first element (150) in an opening (140) of the filter assembly (100) and to remove the first element (150) from the opening (140). The cover (170) may be configured to install the second element (160) in the opening (140) over the first element (150) and to remove the second element (160) from the opening (140).



21: 2025/06026. 22: 2025/07/15. 43: 2026/08/07
51: E21B
71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC
72: GARCIA, ROBERTO, HUDSON, CHARLES TAYLOR, NATARAJAN, YAGNESHWAR, KRESCA, MICHAEL J, GLOVER, REX AARON
33: US 31: 18/156,096 32: 2023-01-18

54: AUTOMATIC DECK WRENCH ENGAGEMENT FOR DRILLING MACHINES

00: -

A controller may receive sensor data from one or more sensor devices of the drilling machine. The sensor data indicates a vertical position of a drilling assembly of the drilling machine. The drilling assembly includes a drill string connected to a drill bit. The controller may determine, based on the sensor data, that the vertical position of the drilling assembly corresponds to a deck wrench engaging position. The controller may cause a deck wrench, of the drilling machine, to engage an engagement portion of the drill string based on determining that the vertical position of the drilling assembly corresponds to the deck wrench engaging position. The engagement portion of the drill string is adjacent to an end of the drill string connected to the drill bit.

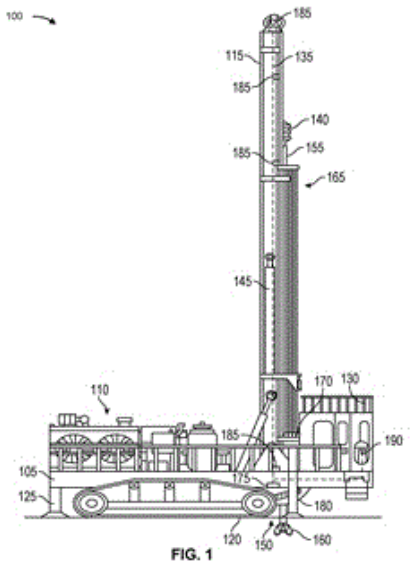


FIG. 1

21: 2025/06079. 22: 2025/07/17. 43: 2026/08/07
51: C07C
71: EDWARDS, CARY RIDER
72: EDWARDS, CARY RIDER
33: ZA 31: 2024/05582 32: 2024-07-18
54: MANUFACTURE OF XANTHATE BY CONTINUOUS CONVERSION
00: -
This invention relates to an improved method of producing xanthate. The method is a continuous process that produces xanthate of greater than 95% purity, with a reduction trithiocarbonate impurities.

21: 2025/06092. 22: 2025/07/17. 43: 2026/08/07
51: F04D
71: XYLEM EUROPE GMBH
72: WIKSTRÖM, JAN
33: EP 31: 22214788.6 32: 2022-12-20
54: IMPELLER FOR A PUMP AND A PUMP COMPRISING SUCH AN IMPELLER
00: -
The invention relates to an impeller (12) for a pump (1), the impeller (12) comprising a hub (27), an upper cover disc (28) connected to the hub (27), a lower cover disc (29) and at least one vane (30) extending between and connecting the upper cover disc (28) and the lower cover disc (29), wherein the impeller (12) comprises a lower seal member (31) that is located in a circumferential lower seat (32) of the lower cover disc (29). The impeller is characterized in that the lower seat (32) has an envelope surface, wherein the inner diameter of the lower seal member (31) is greater than the diameter of the envelope surface of the lower seat (32), and that the impeller (12) comprises a retainer ring (34) that is in press fit connection with the envelope surface of the lower seat (32), wherein the retainer ring (34) is configured to retain the lower seal member (31) in the lower seat (32). The invention also relates to a pump comprising such an impeller (12).

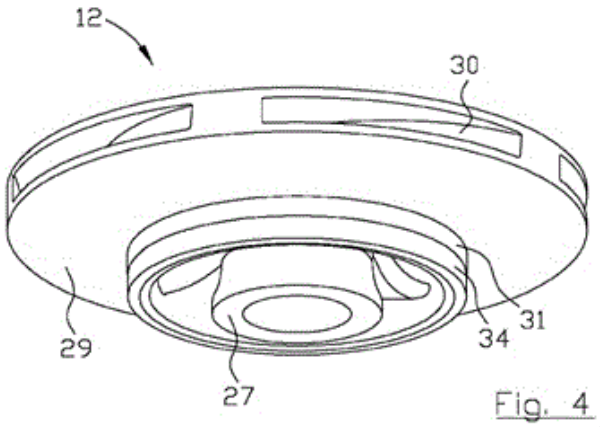


Fig. 4

21: 2025/06093. 22: 2025/07/17. 43: 2026/08/07
51: F04D
71: XYLEM EUROPE GMBH
72: WIKSTRÖM, JAN
33: EP 31: 22214787.8 32: 2022-12-20
54: SUBMERGIBLE MULTISTAGE PUMP
00: -
The invention relates to a submergible multistage pump (1) comprising a drive unit (2) having an electric motor (10) and a drive shaft (12), wherein the drive shaft (12) extends in the axial direction, and a hydraulic unit (3) connected to the drive unit (2) and comprising a leading pressure stage, a trailing pressure stage and a top element (19) connected in series, wherein the top element (19) comprises an outlet (5) of the multistage pump (1). The leading pressure stage of the hydraulic unit (3) comprises an axial inlet (29) and an axial outlet (30), a circumferential housing (21), a circumferential internal diffuser (22), and an impeller (20) connected to the drive shaft (12) of the drive unit (2), wherein the housing (21), the diffuser (22) and the impeller (20) of the leading pressure stage define a flow path from the axial inlet (29) to the axial outlet (30), and wherein the diffuser (22) is connected to the housing (21). The pump is characterized in that the leading pressure stage comprises radial play between the

housing (21) and the diffuser (22) in the radial direction, and abutment between the housing (21) and the diffuser (22) in the axial direction.

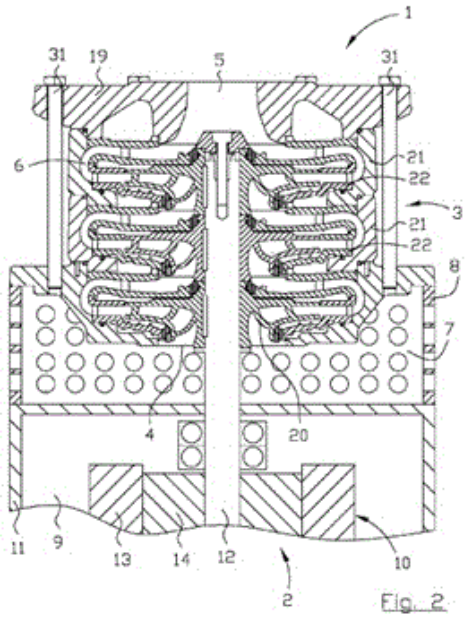


Fig. 2

21: 2025/06096. 22: 2025/07/17. 43: 2026/08/07
51: B22C; B22D
71: FOSECO INTERNATIONAL LIMITED
72: HRABINA, DAVID
33: EP 31: 23156659.7 32: 2023-02-14
54: ASSEMBLY FOR CASTING MOLTEN METAL COMPRISING A SAND CASTING MOULD, A SHORT-SHROUD, AND A MOULD / SHROUD COUPLING MECHANISM, CASTING INSTALLATION AND METHOD FOR CASTING A MOLTEN METAL PART
00: -
The invention refers to a kit-of-parts and an assembly comprising a sand casting mould (2) for casting metal parts, a short-shroud (9) comprising a short-shaft (10), and a mould ! shroud coupling mechanism (14). The mould (2) comprises a bore (7) extending over a bore length (d7) from a bore inlet to the inlet (6i) of a housing (6) in fluid communication with cavities defining the shape of the metal parts. The mould / shroud coupling mechanism (14) is configured for receiving and maintaining the short-shroud (9) in a shroud casting position with the short-shaft inserted in the bore (7) separated from the housing inlet §6i) by a shaft-free distance (d710 > 0), wherein k = d710 / d7 is preferably comprised between 0.2 and 0.8.

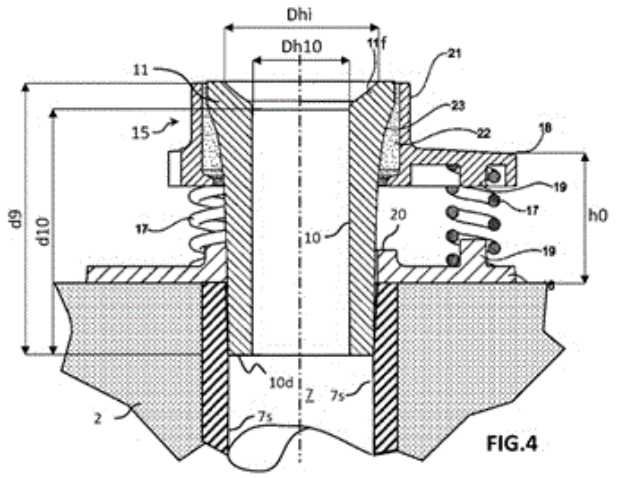
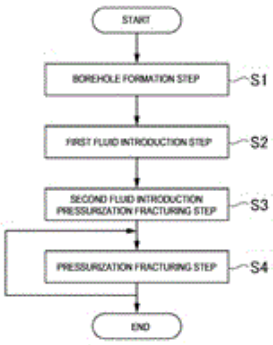


FIG.4

21: 2025/06186. 22: 2025/07/21. 43: 2026/08/07
51: C09C
71: T.E.C. S.R.L.
72: CATALDO, FRANCO, PRIORI, ANGELO
33: IT 31: 102022000026754 32: 2022-12-23
54: ACTIVATED PYROLYTIC CARBON BLACKS RECOVERED FROM USED TYRES AND PREVIOUSLY PURIFIED AND THE APPLICATION THEREOF IN THE PRODUCTION OF COMPOUNDS FOR THE RUBBER INDUSTRY, SUCH AS COMPONENTS FOR NEW TYRES OR FOR NEW TECHNICAL ARTICLES
00: -
The pyrolytic carbon black derived from used tyres underwent puri fication processes that made it more environmentally compatible and subsequently a surface activation process that imparted thereto reinforcing properties, when used as a reinforcing filler in new rubber compounds, decidedly superior to those imparted by a common commercially available pyrolytic carbon black and comparable to the mechanical properties produced by conventional " furnace" blacks of the N772, N550 and N330 type.

21: 2025/06187. 22: 2025/07/21. 43: 2026/08/07
51: E21C; E21B
71: TOHOKU UNIVERSITY
72: MUKUHIRA, YUSUKE, WATANABE, NORIAKI, GOTO, RYOTA
54: METHOD FOR FRACTURING ROCK MULTI-DIRECTIONALLY AND DEVICE FOR FRACTURING ROCK MULTI-DIRECTIONALLY
00: -
A method for fracturing a rock multi-directionally includes: a borehole formation step of forming a borehole in a rock; a first fluid introduction step of

introducing a first fluid to the borehole; a second fluid introduction pressurization fracturing step of introducing and pressurizing a second fluid to the borehole to generate a fractured portion around the borehole, and allowing the first fluid to close the fractured portion; and a pressurization fracturing step of continuously introducing and pressurizing the second fluid to the borehole even after the fractured portion is generated, and generating a fractured portion in a direction different from the fractured portion of the rock.

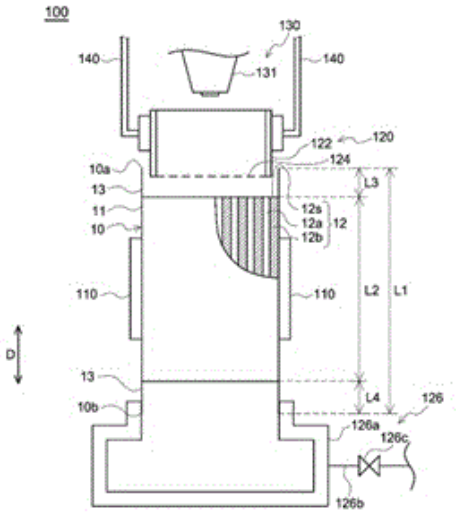


21: 2025/06256. 22: 2025/07/23. 43: 2026/08/07
51: B01J; B01D
71: CATALER CORPORATION
72: KUWAHARA, TAKASHI, OHARA, ETSUKO, MORITA, RYOMA
33: JP 31: 2023-012487 32: 2023-01-31

54: EXHAUST GAS PURIFICATION CATALYST MANUFACTURING DEVICE, AND EXHAUST GAS PURIFICATION CATALYST MANUFACTURING METHOD

00: -

Provided is a manufacturing device with which, with respect to a base material having a flange part, the adhesion of a slurry onto the flange part of can be suppressed, and the generation of an uncoated section of a honeycomb structural body can be prevented. The disclosed manufacturing device 100 comprises: a holding part 110 that holds a base material 10, the base material comprising a honeycomb structural body 12 and an outer cylinder 11 having a flange part 13; a viscosity modification mechanism 120 that modifies a viscosity of a slurry for catalyst layer formation which is supplied to the base material 10; and a supply part 130 that supplies the slurry to the viscosity modification mechanism 120. The viscosity modification mechanism 120 comprises: a cylindrical partitioning member 122 which has a smaller outer diameter than an inner diameter of the outer cylinder 11; a porous plate 124 in which a plurality of through holes are formed; and a suction member 126 that suctions the slurry for catalyst layer formation from a lower end 10b of the base material 10.



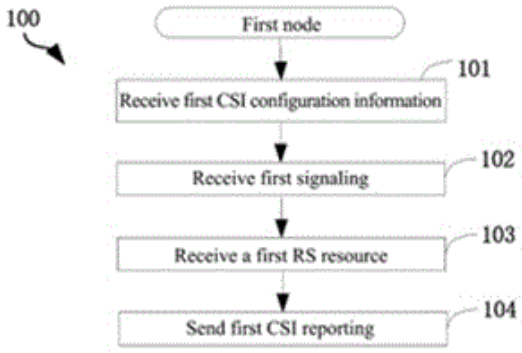
21: 2025/06310. 22: 2025/07/25. 43: 2026/08/12
51: H04W
71: APOGEE 5G GLOBAL LLC
72: WU, LU, ZHANG, XIAOBO
33: CN 31: 202211673650.3 32: 2022-12-26

54: METHOD AND APPARATUS IN NODE USED FOR WIRELESS COMMUNICATION

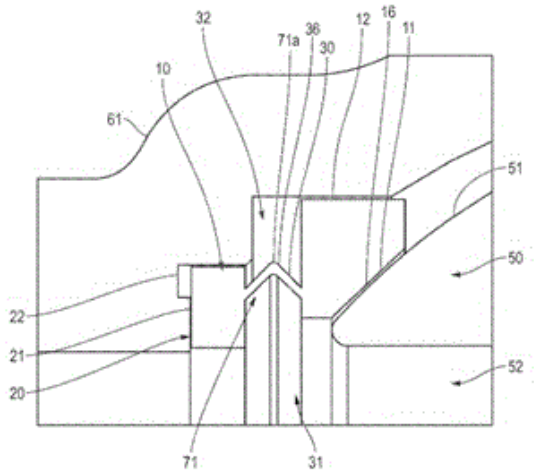
00: -

Disclosed in the present application are a method and apparatus in a node used for wireless communication. A first node receives first CSI configuration information, receives first signaling, receives a first RS resource, and sends first CSI reporting, wherein R index groups respectively correspond to R ranks on a one-to-one basis; the first signaling is used for determining a first port group; the first CSI reporting comprises a first rank and a first CQI; a first index group is an index group among the R index groups that corresponds to the first rank; a reference port group comprises all ports of the first RS resource that are indicated by the first index group; the first CQI is calculated using at least one port in the reference port group as a condition; the first rank is selected only from ranks among the R ranks that satisfy a first condition; and the first condition comprises the port of the first RS resource

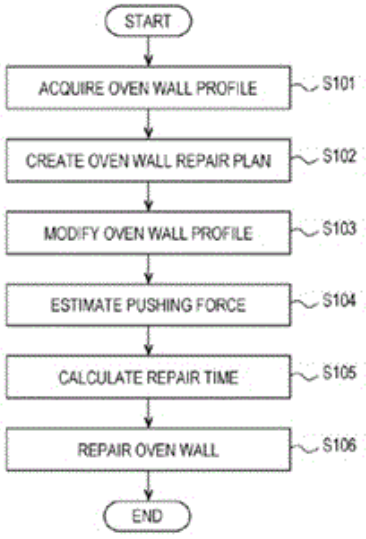
that is indicated by at least one index in the corresponding index group being associated with the first port group.



21: 2025/06373. 22: 2025/07/29. 43: 2026/08/07
51: F16K; F16J
71: BRAY INTERNATIONAL, INC.
72: BERNARD, JUSTIN, ANDERSON, MITCHELL, ANDREWS, JOSHUA, VIJAYARAM, KISHOREKUMAR
33: US 31: 63/486,301 32: 2023-02-22
54: BIDIRECTIONAL ONE PIECE METAL SEAT FOR BALL VALVE
00: -
The disclosure relates a metal seat for a ball valve, having a seating segment of the metal seat; a curved seating surface defined on the seating segment, wherein the curved seating surface is complementary to an outer surface of a ball of the ball valve; a primary spring unitary with the seating segment and the curved seating surface; and a base unitary with the primary spring, the seating segment, and the curved seating surface.



21: 2025/06424. 22: 2025/07/30. 43: 2026/08/07
51: C10B
71: JFE STEEL CORPORATION
72: FUKUSHIMA, YASUMASA, HAMADA, RYO
33: JP 31: PCT/JP2023/009963 32: 2023-03-15
54: COKE OVEN WALL REPAIRING METHOD
00: -
An object is to provide a coke oven wall repairing method that can perform an oven wall repair while taking into account the time required for the oven wall repair. A coke oven wall repairing method for repairing an oven wall of a carbonization chamber constituting a coke oven includes an acquiring step of acquiring an oven wall profile by measuring irregularities of the oven wall; a repair plan creating step of creating a repair plan for repairing the irregularities; a modifying step of modifying the oven wall profile to correspond to the repair plan; a pushing force estimating step of estimating, using the modified oven wall profile, pushing force with which a pusher machine pushes a coke cake out of the carbonization chamber; a repair time calculating step of calculating time required to execute the repair plan; and a repairing step of repairing the oven wall in accordance with the repair plan.

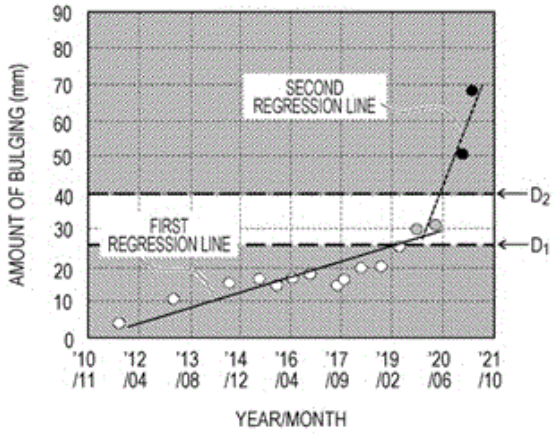


21: 2025/06425. 22: 2025/07/30. 43: 2026/08/07
51: C10B
71: JFE STEEL CORPORATION
72: AKIYAMA, SEITARO, FUKUSHIMA, YASUMASA

54: CARBONIZATION CHAMBER USABLE PERIOD PREDICTING METHOD AND CARBONIZATION CHAMBER REPAIRING METHOD

00: -

An object is to provide a carbonization chamber usable period predicting method that can predict the amount of bulging in a carbonization chamber with high accuracy regardless of the amount of bulging and predict a usable period of the carbonization chamber on the basis of the predicted amount of bulging, and to also provide a carbonization chamber repairing method. A method for predicting a usable period of a carbonization chamber having an oven wall constructed by stacking bricks with tongue and groove, includes measuring an oven wall shape of the carbonization chamber with a shape measuring device to identify a bulge bulging inward from an initial position based on hot-state dimensions upon completion of construction of a coke oven; measuring the oven wall shape for the bulge multiple times at different measurement dates and times to determine a first regression equation representing a correspondence between time and the amount of bulging within a range where the amount of bulging is less than or equal to D1 calculated by the following equation (1) and a second regression equation representing a correspondence between time and the amount of bulging within a range where the amount of bulging is greater than or equal to D2 calculated by the following equation (2); and calculating a date and time at which the amount of bulging calculated using the first regression equation or the second regression equation reaches a predetermined threshold to predict a usable period of the carbonization chamber, D1 = g - (dR1+dL1) ⋯ (1); and D2 = g + (dR2+dL2) ⋯ (2),where, in the equations (1) and (2), g is a distance from a side of the brick with tongue and groove to a tongue and groove, dR1 is a negative manufacturing error value from the side of the brick with tongue and groove to the tongue and groove, dR2 is a positive manufacturing error value from the side of the brick with tongue and groove to the tongue and groove, dL1 is a negative measurement error value of a shape measuring device, and dL2 is a positive measurement error value of the shape measuring device.



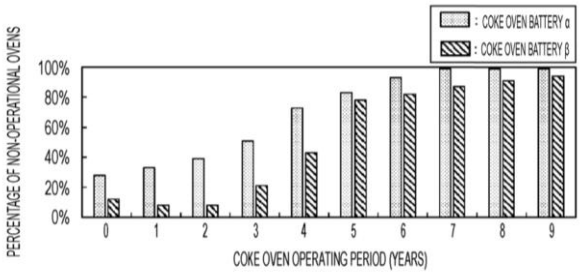
21: 2025/06426. 22: 2025/07/30. 43: 2026/08/07
51: C10B
71: JFE STEEL CORPORATION
72: FUKUSHIMA, YASUMASA

54: METHOD FOR PREDICTING LIFE OF COKE OVEN BATTERY

00: -

An object is to provide a coke oven battery life predicting method that can predict the life of a coke oven battery. A coke oven battery life predicting method for predicting a life of a coke oven battery includes measuring an oven wall shape of each carbonization chamber 14 constituting a coke oven battery with a shape measuring device to identify a

bulge 34 bulging inward from an initial position based on hot-state dimensions upon completion of construction of the coke oven, measuring the oven wall shape for the bulge 34 multiple times at different measurement dates and times to determine a regression equation representing a correspondence between time and the amount of bulging, calculating a date and time at which the amount of bulging calculated using the regression equation reaches a predetermined threshold to predict a usable period of the carbonization chamber 14, and predicting a life of the coke oven battery on the basis of the predicted usable period of the carbonization chamber 1



21: 2025/06427. 22: 2025/07/30. 43: 2026/08/07
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: JOSHI, OMKAR SWAPNIL, KULKARNI, ADITI JAYAVANT, LAHORKAR, PRAFUL GULAB RAO, VAIDYA, ASHISH ANANT, VARSHNEY, JONISH
33: EP 31: 23155351.2 32: 2023-02-07

54: WATER-FREE PERSONAL CARE COMPOSITION

00: -

The present invention relates to a personal care composition that delivers effective sun protection through a topical composition that combines the pleasant sensorial of both a crème and a mousse type composition. The product thus delivers high SPF through a composition that gives a very light/fluffy, east to blend format with silky smooth end feel. This is achieved by combining very selective high amount of silicone elastomer and oil with selective low amount of inorganic pigment.

21: 2025/06428. 22: 2025/07/30. 43: 2026/08/07
51: C12Q; G01N
71: HYPRED
72: DUBE, FRÉDÉRIC
33: FR 31: FR2301680 32: 2023-02-23

54: BIOFILM DETECTION SOLUTION AND METHOD OF APPLICATION TO SURFACES

00: -

The invention provides a biofilm detection product comprising an optical brightener revealed by fluorescence under UV exposure. The product contains sodium 2,2'-([1,1'-biphenyl]-4,4'-diyldi-2,1-ethendiyl)bis-benzenesulfonate. It can be used on various surfaces, in particular surfaces of agro-industrial equipment, equipment in hospitals or the paper industry, but also on surfaces in food-related services.

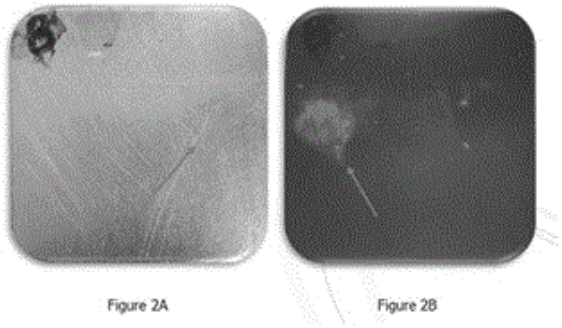


Figure 2A Figure 2B

21: 2025/06429. 22: 2025/07/30. 43: 2026/08/07
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: SATHYA MURTHY, KIRAN KUMAR, NAIK, MAHESHWARA SHIVA, BANDYOPADHYAY, PUNAM
33: EP 31: 23163075.7 32: 2023-03-21

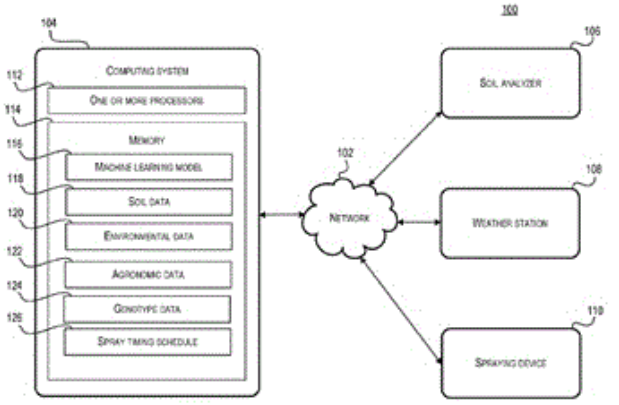
54: CONCENTRATED LIQUID CLEANING COMPOSITION

00: -

The present invention relates to a concentrated liquid cleaning composition that is to be diluted in water and be used for cleaning both animate and inanimate surfaces. There is need for an improved concentrated liquid composition which forms a cleaning liquor on dilution in water while providing a visual cue to consumers. It has been found that select alkali swellable or soluble emulsion polymer along with pine oil and a non-ionic surfactant provide a stable homogenous liquid composition, that forms a cleaning liquor on dilution in water. The composition generates clouding while dilution thereby providing a visual cue to consumers.

21: 2025/06430. 22: 2025/07/30. 43: 2026/08/07
51: A01B; A01M

71: PIONEER HI-BRED INTERNATIONAL, INC.
72: BARR, JEREMIAH ROSS, CRYER, STEVEN A, PEDDICORD, LAYTON ANDREW
33: US 31: 63/584,266 32: 2023-09-21
33: US 31: 63/486,074 32: 2023-02-21
54: AUTOMATED FUNGICIDE SPRAY TIMING
00: -
Systems, methods, and apparatuses for spraying fungicide onto a crop are described. Soil data, environmental data, agronomic data, and crop genotype data may be acquired. A weather forecast for a region may be acquired based on the environmental data. Based on inputting the weather forecast, the soil data, the agronomic data, and the crop genotype data into a machine learning model, a predicted disease severity for the crop in the region over a plurality of time intervals may be determined. Based on the predicted disease severity and a sensitivity threshold, a fungicide timing schedule may be determined. The sensitivity threshold may indicate the predicted disease severity at which to initiate spraying the fungicide onto the crop. Based on the predicted disease severity meeting some criteria, the fungicide timing schedule may be sent to a fungicide spraying device that sprays the fungicide onto the crop based on the fungicide timing schedule.



21: 2025/06598. 22: 2025/08/06. 43: 2026/08/19
51: F42B
71: UMAREX GMBH & CO. KG
72: NELSON, Darren
33: US 31: 63/439,152 32: 2023-01-16
33: US 31: 18/111,559 32: 2023-02-18
33: US 31: 18/202,437 32: 2023-05-26
54: SOLID CORE LESS-LETHAL PROJECTILE
00: -
A solid core less-lethal projectile is a frangible projectile (10) which generally includes a hollow body (12), a solid core (14), a support structure (18), and a payload material (16). The hollow body (12) defines a closed interior cavity in which the core (14) is contained. The support structure (18) is disposed inside the cavity. The support structure (18) can be a plurality of ribs configured to confine the core at a center of the cavity and space the core (14) from the sidewalls of the hollow body (12). The ribs can protrude from an interior surface the hollow body (12) to the core (14). The ribs (18) can extend centripetally from the interior surface to the core (14). The payload material (16) substantially fills the cavity around the core (14) and the ribs (18). The core (14) stabilizes the projectile (10) during flight toward a target.

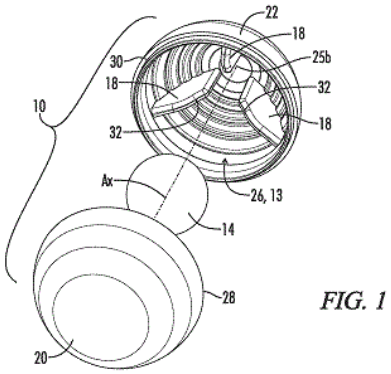
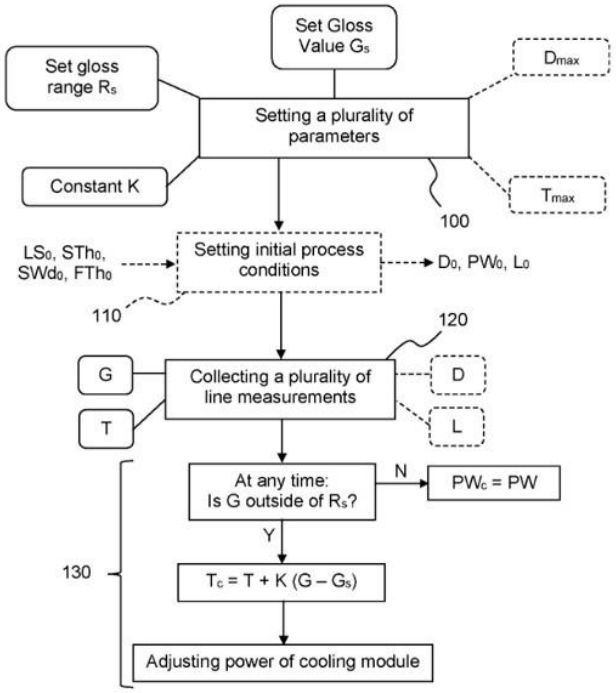


FIG. 1

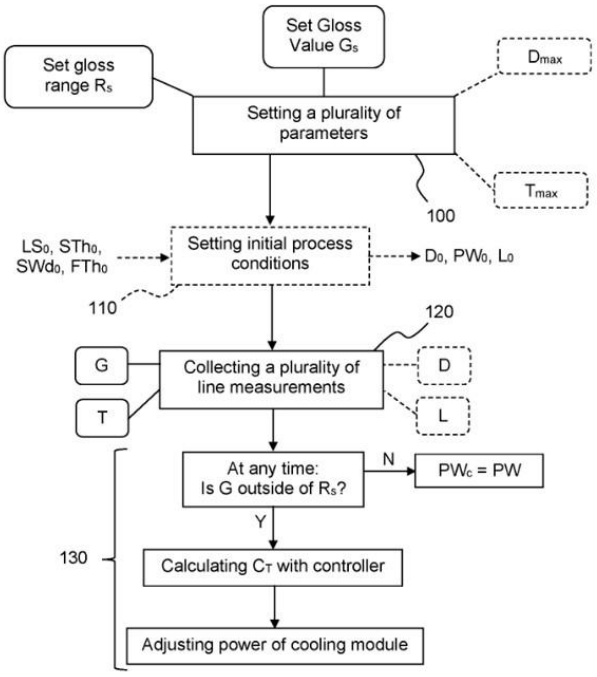
21: 2025/06599. 22: 2025/08/06. 43: 2026/08/19
51: C12N; C12P; C07K; C12R
71: CJ CHEILJEDANG CORPORATION
72: HWANG, Yeji, LEE, Heeseok, YOON, Byoung Hoon
33: KR 31: 10-2023-0005632 32: 2023-01-13
54: NOVEL CARNOSINE SYNTHASE, AND METHOD FOR PRODUCING CARNOSINE BY USING SAME
00: -
The present application relates to: a polypeptide having carnosine synthase activity; a polynucleotide encoding the polypeptide; a microorganism comprising any one or more from among the polypeptide, the polynucleotide and a vector comprising the polynucleotide; a variant polypeptide having carnosine synthase activity; a polynucleotide encoding the variant polypeptide; a microorganism comprising any one or more from among the variant polypeptide, the polynucleotide and a vector

comprising the polynucleotide; a composition for producing carnosine, comprising any one or more from among the polypeptide having carnosine synthase activity, the variant polypeptide, the microorganism and a culture product thereof; a method for producing carnosine by using any one or more from among the polypeptide having carnosine synthase activity, the variant polypeptide and the microorganism; and a carnosine production use of the polypeptide having carnosine synthase activity, the variant polypeptide and the microorganism.

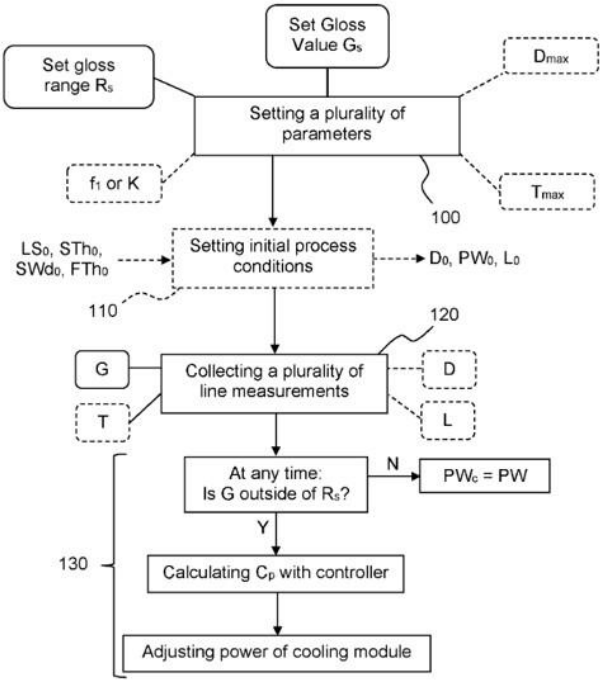
21: 2025/07784. 22: 2025/09/12. 43: 2026/10/01
51: B05D
71: ARCELORMITTAL
72: Fabrice FARINA, Jacky MALLEGOL, Charles HANQUET, Thomas DEFIZE, Maria ALBARRACIN, Vincent RUWET
33: IB 31: PCT/IB2023/053521 32: 2023-04-06
54: METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE
00: -
The invention relates to a method for managing the gloss of an organic coating formed on a moving strip on a coil-coating line comprising sequentially a paint applicator, a cooling device comprising a cooling module, an Ultra-Violet curing device and an Electron-Beam curing device, the method comprising correcting a deviation of the measured gloss G beyond a set gloss range Rs, the correction 0 comprising calculating the corrected temperature Tc to be reached by the wet film, in the at least a width portion downstream of the cooling module and upstream of the Ultra-Violet curing device, according to equation Tc = T + K (G – Gs) and adjusting a setting of the coil-coating line taking into account the calculated corrected temperature Tc.



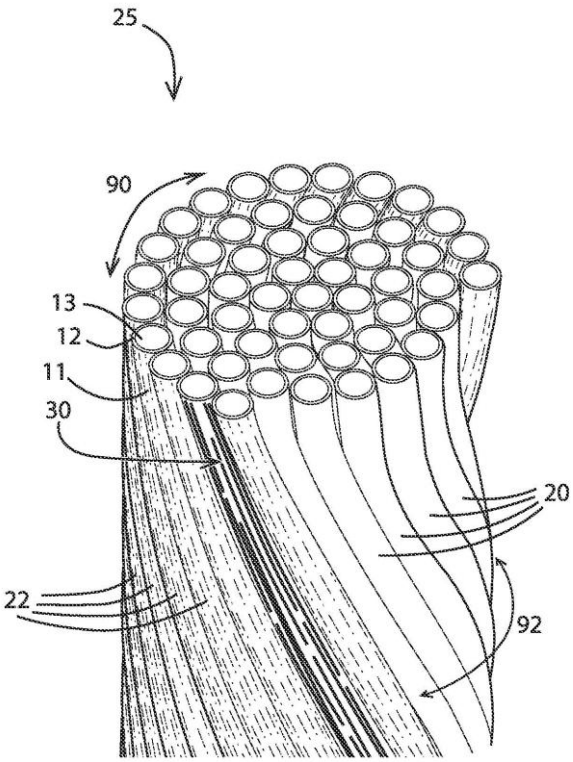
21: 2025/07788. 22: 2025/09/12. 43: 2026/10/01
51: B05D
71: ARCELORMITTAL
72: Fabrice FARINA, Jacky MALLEGOL, Charles HANQUET, Thomas DEFIZE, Maria ALBARRACIN, Vincent RUWET
33: IB 31: PCT/IB2023/053528 32: 2023-04-06
54: METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE
00: -
The invention relates to a method for managing the gloss of an organic coating formed on a moving strip on a coil-coating line comprising sequentially a paint applicator, a cooling device comprising a cooling module, an Ultra-Violet curing device and an Electron-Beam curing device, the method comprising correcting a deviation of the measured gloss G beyond a set gloss range Rs, the correction comprising a sub-step of calculating the correction CT to be applied to the temperature of the wet film, in the at least a width portion upstream of the Ultra-Violet curing device, taking into account Gs and the measured gloss G, with a closed-loop controller and a sub-step of adjusting a setting of the coil-coating line taking into account the calculated correction CT.



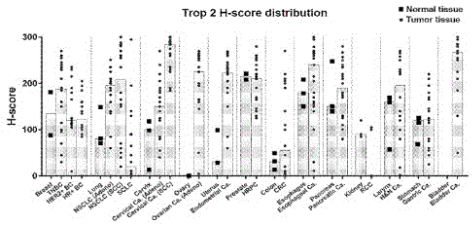
21: 2025/07854. 22: 2025/09/15. 43: 2026/10/01
51: B05D
71: ARCELORMITTAL
72: Fabrice FARINA, Jacky MALLEGOL, Charles HANQUET, Thomas DEFIZE, Maria ALBARRACIN, Vincent RUWET
33: IB 31: PCT/IB2023/053545 32: 2023-04-06
54: METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE
00: -
The invention relates to a method for managing the gloss of an organic coating formed on a moving strip on a coil-coating line comprising sequentially a paint applicator, a cooling device comprising a cooling module, an Ultra-Violet curing device and an Electron-Beam curing device, the method comprising correcting a deviation of the measured gloss G beyond a set gloss range Rs, the correction comprising a sub-step of calculating the correction CP to be applied to the power of the cooling module, taking into account Gs and the measured gloss G, with a closed- loop controller and a sub-step of adjusting a setting of the coil-coating line taking into account the calculated correction CP.



21: 2025/07982. 22: 2025/09/18. 43: 2026/08/04
51: H01B; G01R
71: Copperweld Bimetallics LLC
72: JORDAN, Jeffrey Thomas
33: US 31: 62/965,059 32: 2020-01-23
54: GROUND CABLE WITH VISUAL INDICATOR
00: -
A ground cable may comprise a plurality of strands. Inner core strands of the cable may be surrounded by an adjacent outermost layer or wrap of outer wrap strands. The outer wrap of strands may comprise at least one indicator strand, which may comprise an indicator finish on a portion of its surface. A characteristic of the indicator finish may change when exposed to a current level that exceeds an electrical fault threshold.

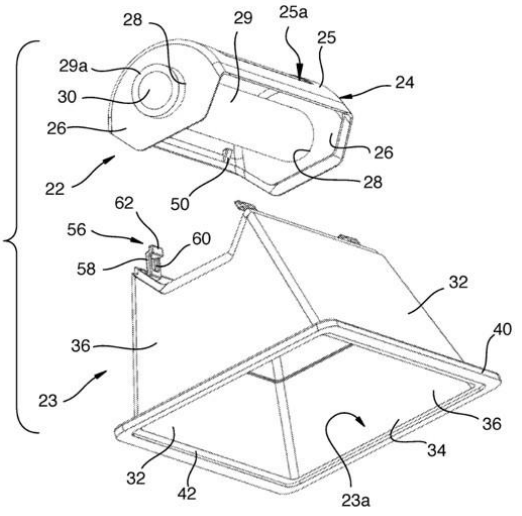


21: 2025/07997. 22: 2025/09/18. 43: 2026/09/23
51: A61K; A61P
71: OBI PHARMA, INC.
72: LAI, Ming-Tain, LI, Wan-Fen, YANG, Ming-chen, CHEN, Chun-Te, HUANG, Teng-Yi
33: US 31: 63/492,343 32: 2023-03-27
33: US 31: 63/549,781 32: 2024-02-05
54: TROP2 CONJUGATED BIOLOGICAL MOLECULES, PHARMACEUTICAL COMPOSITIONS AND METHODS
00: -
Antibody drug conjugate (ADC) comprising a drug moiety conjugated to antibody or antigen binding fragments thereof that bind to TROP2 disclosed herein, as well as methods of use thereof. Methods of use include, without limitation, cancer therapies and diagnostics. The ADC of the disclosure can bind to certain cancer cell surfaces. Exemplary targets of the ADC disclosed herein can include carcinomas, such as lung cancer, breast cancer, head-and-neck cancer, esophagus cancer, stomach cancer, bladder cancer, pancreatic cancer, colorectal cancer, cervix cancer, endometrial cancer, ovarian cancer, laryngeal cancer, prostate cancer, thyroid cancer and oral cancer.



21: 2025/08013. 22: 2025/09/18. 43: 2026/10/01
51: B28B; E02D; E04G
71: OFFICINE MACCAFERRI S.P.A.
72: Ratnakar Ramesh MAHAJAN, Giulia LUGLI
33: IN 31: 202311026058 32: 2023-04-06
54: ANCHORING MEMBER FOR A FACING PANEL FOR STABILISED EARTH STRUCTURES
00: -
An anchoring member which can be incorporated in a facing panel for constructing stabilised earth structures comprises a shell (21) which defines a recess (18) with an opening (13). The anchoring member further comprises an anchoring bar (20, 20") which extends transversely inside the recess (18) and around which an elongate reinforcement element can be passed, during use. The shell (21) is formed by at least one base portion (22) which carries the anchoring bar (20, 20") and by a front portion (23) which defines the opening (13). The front portion (23) of the shell (21) is able to be selectively disassembled so as to be able to be recycled or re-used in manufacturing other facing panels.

Fig. 6



21: 2025/08318. 22: 2025/09/25. 43: 2026/10/07
51: E21F

71: NICAUD COMPANIES 22 (PTY) LTD
72: FLANAGAN, Fredrick William
33: ZA 31: 2024/07138 32: 2024-09-18
54: A SAFETY NET FOR PERMANENT INSTALLATION AND A METHOD OF INSTALLING SAME
00: -
A safety net for permanent installation on the hanging wall of an underground mine is disclosed. The net comprises a quadrilateral mesh body defined by double-layered longitudinal and transverse perimeter elements, and an internal grid of single-layered longitudinal and transverse elements intersecting to form primary apertures. At least one double-layered grid element is positioned adjacent to a longitudinal perimeter element, and interconnecting elements span between transverse grid elements and the adjacent double-layered longitudinal elements to form smaller secondary apertures. The webbing used is high-tensile woven polyester, capable of withstanding blast forces and supporting rock bolt faceplates without displacement. The design enables the net to remain in place during blasting and rock bolt installation, eliminating the need for removal and reinstallation. A method of installation using permanent and temporary supports and attachment elements ensures full coverage and overlap between adjacent nets, providing continuous, blast-resistant rockfall protection throughout the excavation process.

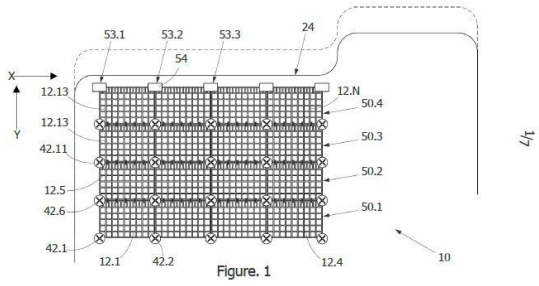
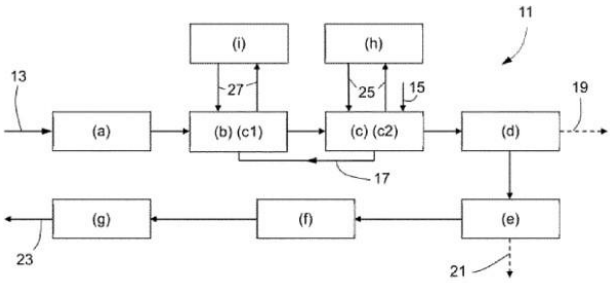


Figure. 1

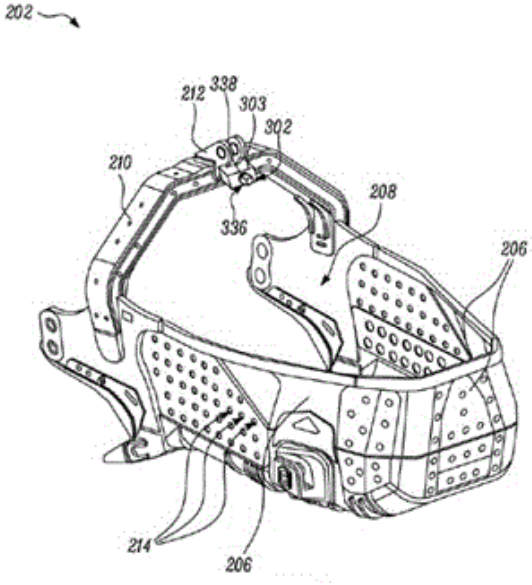
21: 2025/08375. 22: 2025/10/01. 43: 2026/10/01
51: B29B; B29K; B29L
71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
72: Michael HEYDE
33: CH 31: CH000328/2023 32: 2023-03-24
54: METHOD FOR RECYCLING POLYOLEFIN CONTAINERS
00: -
The invention relates to a method for recycling polyolefin containers, comprising the following method steps: (a) sorting the containers, (b) size-reducing the containers to flakes, (c) washing, (d) air sizing, (e) sorting the flakes, (f) granulating the flakes in an extruder, and (g) controlling the odor of the granular material. The washing step (c) is carried out with an alkaline medium having a temperature of less than 60°C and an alkaline medium concentration of less than 0.5 wt.-%.



21: 2025/08382. 22: 2025/10/01. 43: 2026/10/05
51: B65D
71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
72: Kaspar FELIX, Pascal BEHR, Sabrina ADAMI-SCHADLER, Valentin REZSNYAK, Denis SCHEIBENSTOCK, Christof NETZER
33: CH 31: CH000343/2023 32: 2023-03-28
54: CLOSURE CAP MADE OF PLASTIC
00: -
The invention relates to a closure cap (11) produced from PET for closing a container (13) produced from PET, having a circular head plate (15), a cylindrical thread part (17) surrounding the head plate (15) and having an open edge (19) and an inner thread (21), and a sealing cone (23) protruding on the inner side of the head plate; between the sealing cone (23) and the head plate (15), a connection ring (31) is provided which has a wall thickness of between 0.2 and 0.4 mm and connects the sealing cone (23) to the head plate (15).

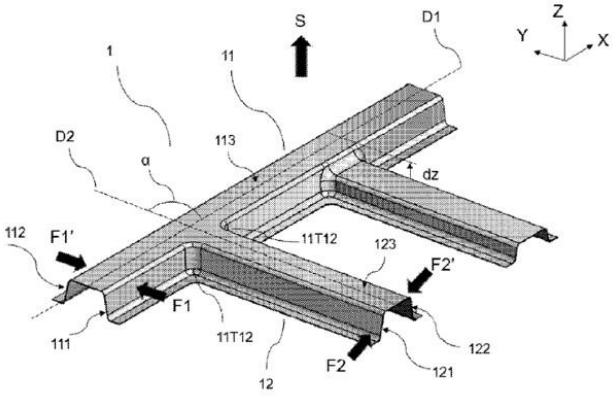


21: 2025/08429. 22: 2025/10/03. 43: 2026/08/12
51: E02F; E21C; G01N; G06F
71: CATERPILLAR GLOBAL MINING LLC
72: ANTHIPAGULU, SARAVANAN VARADHARAJ, KANNIAPPAN, GOPALAKRISHNAN, STOLZ, MICHAEL ROBERT, KABIRAJ, KOUSHIK, NADGIR, VIJEENDRA, SHANMUGASUNDARAM, PRADHEEP ARUMUGAM, R, JAIVEENA
33: US 31: 18/925,114 32: 2024-10-24
54: SYSTEM AND METHOD FOR UNDERWATER PAYLOAD ESTIMATION IN DRAGLINE BUCKET
00: -
A system (300) for underwater payload estimation in a dragline bucket (202) of a dragline machine (100) includes a sensing module (302) disposed on the draglinebucket (202). The sensing module (302) is configured to generate a plurality of signals (304) indicative of a distance value between the sensing module (302) andpayload in the dragline bucket (202). The system (300) includes a controller (310) including at least one memory (312) and at least one processor (314) communicably coupled with the at least one memory (312) and the sensing module (302). The at least one processor (314) is configured to receive, from the sensing module (302), the plurality of signals (304) indicative of the distance value between the sensing module (302) and the payload in the dragline bucket (202), when the dragline bucket (202) is underwater. The at least one processor (314) is configured to estimate a volume of the payload in the dragline bucket (202) when the dragline bucket (202) is underwater, based on the plurality of signals (304) received.

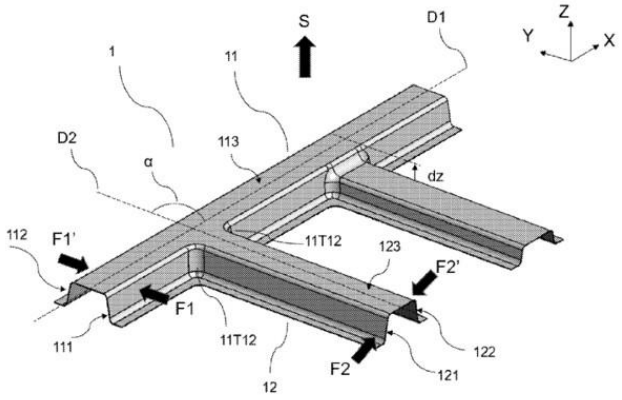


21: 2025/08557. 22: 2025/10/10. 43: 2026/10/14
51: C04B
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: Christian KAISER, Sebastian VOGEL, Norbert LEISS, Severin SEIFERT
33: DE 31: 10 2023 204 198.7 32: 2023-05-05
54: CARBONIZED PRODUCT-CONTAINING GRANULES AND METHOD FOR PRODUCING THEM, AND USE
00: -
The invention relates to granules for use as building materials or as aggregates in building materials. The invention further relates to methods for producing the granules and the use thereof. The granule according to the invention contains a binder and a carbonized product, the content of the carbonized product in the granules amounting to 30 wt.-% or more, relative to the total weight of the binder and the carbonized product in the granules.

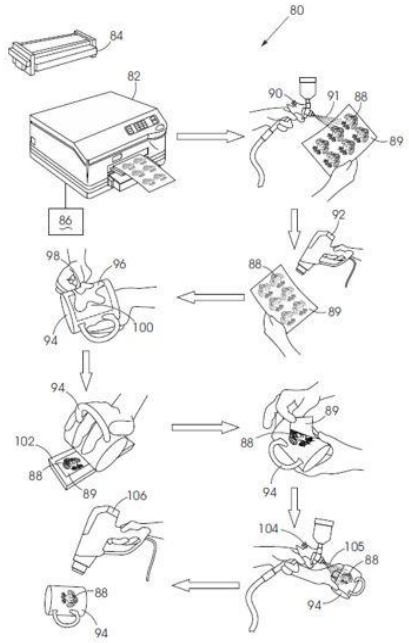
21: 2025/08645. 22: 2025/10/14. 43: 2026/10/14
51: B21D; B62D
71: ARCELORMITTAL
72: Denis JACQUET, Vincent LAFILÉ, Patrick DUROUX, Nicolas SCHNEIDER, Jean-Marc DEVIN, Michel SANADRES
33: IB 31: PCT/IB2023/054981 32: 2023-05-15
54: MANUFACTURING METHOD FOR A METALLIC PART AND ASSOCIATED METALLIC PART
00: -
Stamping method to form a metallic part (1) and associated metallic part, wherein the geometry of said metallic part is such that some areas need to deform in antagonistic directions during stamping. The stamping method comprises the step of providing a flexible metallic blank (10) comprising at least two sub-blanks (101, 102) corresponding to sub-parts (11, 12) of the metallic part, said flexible blanks further comprising an overlapping area (100) in which the blanks are overlapped onto one another, said overlapping area (100) corresponding to the critical transition area 11T12 between the two sub-parts, said overlapping area comprising a pre-assembly area (1002) and a sliding area (1001). The punch used for the stamping operation comprises a gap in between the area of the punch corresponding to the first and second sub-parts (11, 12).



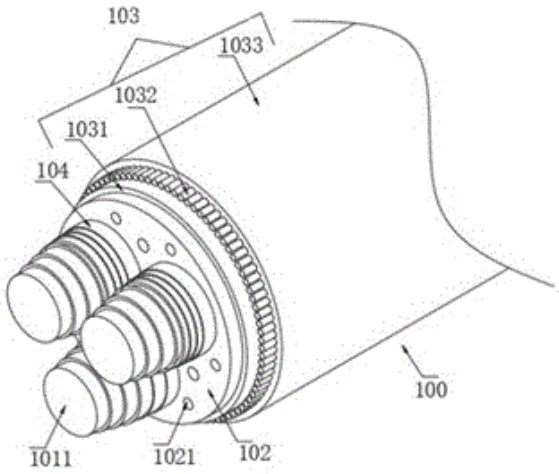
21: 2025/08646. 22: 2025/10/14. 43: 2026/10/14
51: B21D; B62D
71: ARCELORMITTAL
72: Florent ALLAIRE, Patrick DUROUX, Nicolas SCHNEIDER, Jean-Marc DEVIN
33: IB 31: PCT/IB2023/054982 32: 2023-05-15
54: MANUFACTURING METHOD FOR A METALLIC PART AND ASSOCIATED METALLIC PART
00: -
Stamping method to form a metallic part (1) and associated metallic part, wherein the geometry of said metallic part is such that some areas need to deform in antagonistic directions during stamping. The stamping method comprises the step of providing a blank stack-up (10) comprising at least two sub-blanks (101, 102) corresponding to sub-parts (11, 12) of the metallic part, said blank stack-up further comprising an overlapping area (100) in which the blanks are overlapped onto one another, said overlapping area (100) corresponding to the critical transition area 11T12 between the two sub-parts.



21: 2025/09071. 22: 2025/10/29. 43: 2026/07/28
51: B41F
71: RICHARD JOHN STEINBACH
72: STEINBACH, Richard John
33: ZA 31: 2024/08177 32: 2024-10-30
54: TRANSFER OF INDICATOR MEANS TO A SURFACE AREA
00: -
The invention relates to methods and apparatus for transferring digitally produced indicia onto surface areas of diverse objects at scale. The process employs a modified digital printer with a disabled or removed fuser to deposit toner in unbonded powder form on transfer media, enabling subsequent chemical activation and mechanical transfer to target surfaces including ceramics, glass, metals, plastics, textiles, and wood. The method includes preparing the object surface with an activator, applying a toner bearing transfer sheet, and finishing with one or more chemical compositions (e.g., varnishes, resin systems, primers, or lacquers) to secure and, where desired, restore or enhance the surface.



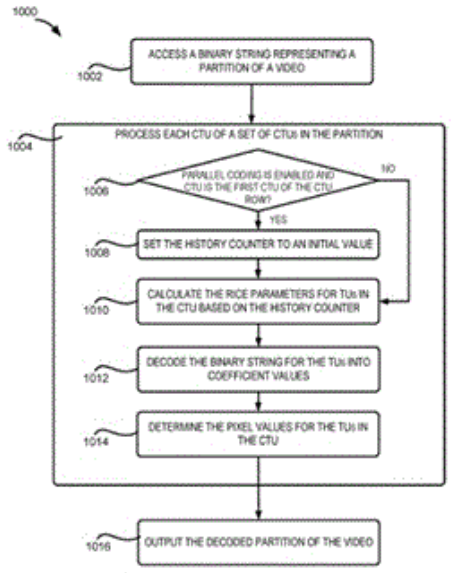
21: 2025/09223. 22: 2025/10/31. 43: 2026/09/22
51: H01B
71: JIANGSU JINLING CABLE CO., LTD.
72: LI, YANTAO, ZHU, YAO, LI, PAN, ZHU, GUODONG, TANG, SONGBO, JIA, BEIBEI, WANG, ZHENLONG, YU, YANG
33: CN 31: 202511319569.9 32: 2025-09-16
54: FLAME-RETARDANT CROSSLINKED POLYETHYLENE INSULATED POWER CABLE AND PREPARATION METHOD THEREOF
00: -
The present application relates to the technical field of cables, and more particularly relates to a flame-retardant crosslinked polyethylene insulated power cable and a preparation method thereof. The flame-retardant crosslinked polyethylene insulated power cable includes a cable body and a cable joint, wherein the cable body is composed of conductor components, insulating components, an armoured component and heat-conducting components, three conductor components are provided, and each set of conductor component is structurally composed of a conductor, an inner semi-conductor shielding layer, an insulating layer, an outer semi-conductive shield, a soft copper tape, a wrapping tape and a sheath from inside to outside. For the flame-retardant crosslinked polyethylene insulated power cable and the preparation method thereof according to the present application, an inert gas is filled into a cable after the cable is cut, and then ports in two sides are sealed after the filling is completed; a crosslinked polyethylene material forms a carbonized layer at a high temperature, so as to be further flame-retardant; and by providing the heat-conducting components, an excellent heat dissipation effect for a cable core is achieved, and by filling the inert gas into a storage groove, flame-retardance for air can be effectively achieved in case of fire, so as to achieve a flame-retardant effect.



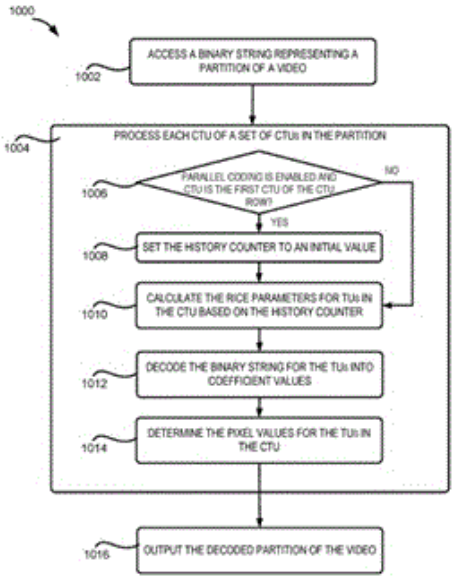
21: 2025/09771. 22: 2025/11/17. 43: 2026/07/29
51: A61K; C07K; C12N
71: Cornell University
72: CRYSTAL, Ronald G., STILES, Katie M., KAMINSKY, Stephen M., SONDHI, Dolan, GÜNAYDIN, Caner
33: US 31: 63/496,910 32: 2023-04-18
54: METHODS AND APOE PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT AND THE PREVENTION OF ALZHEIMERS DISEASE
00: -
The present disclosure provides methods and compositions for the treatment of Alzheimer' s disease. The methods and compositions of the present disclosure comprise AAV vectors and AAV viral vectors comprising transgene nucleic acid molecules comprising nucleic acid sequences encoding for an APOE2 polypeptide.

21: 2025/09793. 22: 2025/11/18. 43: 2026/08/18
51: H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: YU, YUE, YU, HAOPING

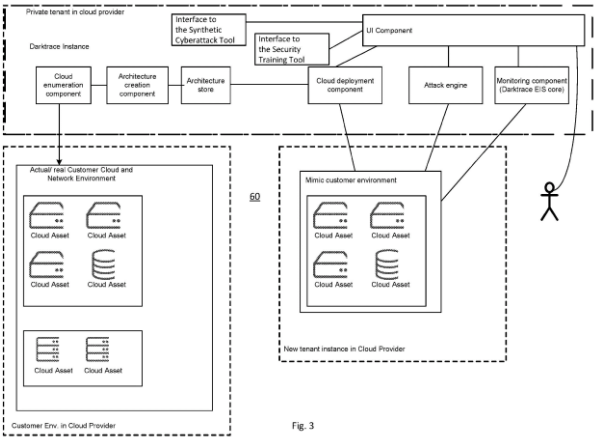
33: US 31: 63/251,385 32: 2021-10-01
33: US 31: 63/262,078 32: 2021-10-04
33: US 31: 63/260,600 32: 2021-08-26
54: HISTORY-BASED RICE PARAMETER DERIVATIONS FOR WAVEFRONT PARALLEL PROCESSING IN VIDEO CODING
00: -
A method is disclosed for decoding a video. The method comprises the step of accessing a binary string representing a partition of the video, the partition comprising a plurality of coding tree units (CTUs) forming one or more CTU rows. In a further step, for a CTU of the plurality of CTUs in the partition, in response to determining that a Sequence Parameter Set (SPS) element sps_entropy_coding_sync_enabled_flag is equal to 1 and that the CTU is the first CTU of a current CTU row in the partition: setting a history counter for a color component cIdx for calculating Rice parameters to an initial value, wherein the initial value is determined based on whether a history-based Rice parameter derivation is enabled. In another step, the CTU is decoded by: calculating a Rice parameter for a coefficient in a transform unit (TU) of the CTU based on the history counter; decoding the binary string corresponding to the TU in the CTU into coefficient values of the TU based on the calculated Rice parameter; and determining pixel values for the TU in the CTU based on the coefficient values. A further step involves, outputting a decoded partition of the video comprising the decoded plurality of CTUs in the partition.



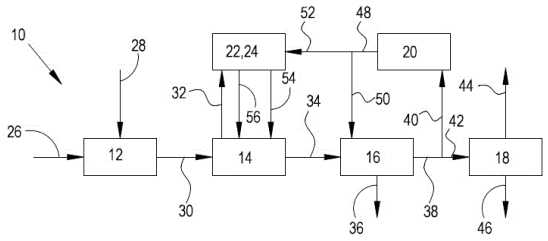
21: 2025/09794. 22: 2025/11/18. 43: 2026/08/18
51: H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: YU, YUE, YU, HAOPING
33: US 31: 63/260,600 32: 2021-08-26
33: US 31: 63/262,078 32: 2021-10-04
33: US 31: 63/251,385 32: 2021-10-01
54: HISTORY-BASED RICE PARAMETER DERIVATIONS FOR WAVEFRONT PARALLEL PROCESSING IN VIDEO CODING
00: -
A method is disclosed for decoding a video. The method comprises the step of accessing a binary string representing a partition of the video, the partition comprising a plurality of coding tree units (CTUs) forming one or more CTU rows. In a further step, for a CTU of the plurality of CTUs in the partition, prior to decoding the CTU: determining that the CTU is the first CTU of a current CTU row among the one or more CTU rows in the partition. In another step, in response to determining that the CTU is the first CTU of the current CTU row in the partition: setting a history counter for a color component cIdx for calculating Rice parameters to an initial value, wherein the initial value is determined based on whether a history-based Rice parameter derivation is enabled. In another step, the CTU is decoded by: calculating a Rice parameter for a coefficient in a transform unit (TU) of the CTU based on the history counter; decoding the binary string corresponding to the TU in the CTU into coefficient values of the TU based on the calculated Rice parameter; and determining pixel values for the TU in the CTU based on the coefficient values. A further step involves outputting a decoded partition of the video comprising the decoded plurality of CTUs in the partition.



21: 2025/10238. 22: 2025/11/28. 43: 2026/07/28
51: G06F; G06N; H04L
71: Darktrace Holdings Limited
72: BOYER, John, LAL, Jake, SELLARS, Philip, BAZALGETTE, Timothy, HUMPHREY, Dickon
33: US 31: 63/470,571 32: 2023-06-02
54: A SYNTHETIC CYBERATTACK TOOL THAT USES A GENERATIVE ARTIFICIAL INTELLIGENCE COMPONENT
00: -
A synthetic cyberattack tool uses a generative AI component to assist in generating a synthetic cyberattack by a cyber threat to produce one or more cybersecurity incidents and/or events. The synthetic cyberattack tool uses the generative AI component also to provide an analysis and an explanation for a purpose of providing cyber security training to at least one of an end user of a network and a cyber security team member for the network in a mimic network. The synthetic cyberattack tool orchestrates the synthetic cyberattack and derives the synthetic cyberattack from real world cyberattacks and the wargaming cyberattack exercise from real world behaviors of the end user and/or the cyber security team member as well as the architecture and policies implemented in the real world network. A user interface component displays both results of testing in the wargaming cyberattack exercise along with an explainability on the synthetic cyberattack.

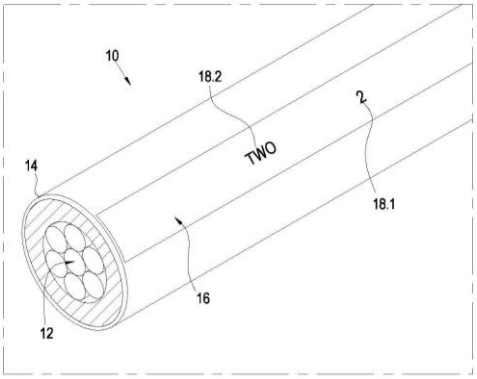


21: 2025/10559. 22: 2025/12/08. 43: 2026/08/11
51: C01B; C10J
71: WILLIAMS, Gary John Pilkington, TCG GLOBAL, LLC
72: WILLIAMS, Gary John Pilkington, WILEY, Marcus Kent, SHERROD, Darlene Kaye
33: US 31: 63/503,375 32: 2023-05-19
54: GASIFICATION
00: -
The disclosed invention relates to a method of and process for gasifying a carbonaceous feedstock. The method comprises the following steps: pyrolysing a carbonaceous feedstock, by effecting heat exchange between heated gas and the carbonaceous feedstock under non-oxidizing conditions through direct and/or indirect contact between the heated gas and carbonaceous feedstock, and thus producing a pyrolysis gas and a solid pyrolysed product; gasifying the solid pyrolysed product, thus producing syngas; producing heat of combustion by combusting at least some of the syngas and/or hydrogen recovered from the syngas; effecting heat exchange between the heat of combustion and the pyrolysis gas, to produce heated pyrolysis gas; and using the heated pyrolysis gas to provide at least some of the heat to perform the pyrolysis of the carbonaceous feedstock.



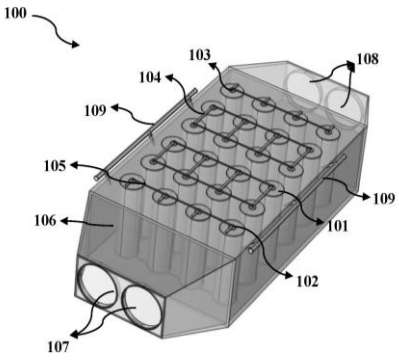
21: 2025/10662. 22: 2025/12/10. 43: 2026/07/28
51: C09B; C09C
71: SWIMC LLC
72: SCHERER, Taco
33: US 31: 63/508,942 32: 2023-06-19
54: COLORANT TABLETS
00: -
The present application relates to a colorant tablet comprising: a) at least one pigment; and b) at least one adjuvant. A pigment may be an organic pigment, and inorganic pigment, or combinations thereof. The pigment may be an insoluble pigment. An adjuvant may be a carbonate. The adjuvant may further comprise at least one acid. The colorant tablet may be at least partially dissolved in a solvent (including water) prior to adding to a formulation or directly into a formulation. The formulation may be a coating. A method of forming the colorant tablet is also disclosed.

21: 2025/10773. 22: 2025/12/15. 43: 2026/07/28
51: H01B
71: ABERDARE CABLES (PTY) LTD
72: THULASEE, Vishal Roychand Bharath, WANG, Jian
54: A CORE, AN ELECTRICAL POWER CABLE AND A METHOD OF MANUFACTURING SAME
00: -
The invention provides a core (10) for a multi-core electrical power cable and a method for its manufacture. The core (10) comprises a semi-conductive tape (14) which is not marked with a core identifier, and which is applied helically, and a separate second tape (16) applied longitudinally. This second tape (16) includes core identification markings (18), such as colour, numerals or words. This two-component taping procedure and cable decouples the structural function of the bedding tape from the identification function. Unlike conventional methods that require stopping production to change reels of pre-numbered helical tape, the present invention allows the helical tape application to run continuously using a single type of helical tape (14). The core identification markings (18) can be changed on-the-fly by simply changing the reel for the longitudinal tape (16). This eliminates changeover downtime, reduces manufacturing costs, and simplifies inventory, while maintaining full compliance with industry standards for permanent core identification.



21: 2025/10837. 22: 2025/12/17. 43: 2026/07/31
51: H01M
71: DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR
72: Dr. Rajan Kumar, Mr. Suraj Rana, Mr. Rajneesh Vachaspati, Dr. Srinivas Tangellapalli
54: AI-ASSISTED MIST-COOLED THERMAL MANAGEMENT SYSTEM FOR LITHIUM-ION BATTERY MODULE WITH HYDROPHILIC CELL SURFACES
00: -
The present invention relates to an AI-assisted mist-cooling thermal management system (100) of cylindrical lithium-ion battery (LiB) module (200c) to enhance heat dissipation, maintain thermal-uniformity, enhance safety and cycle life. The system includes an acrylic air-flow channel (300) of divergent (401), straight (402) and convergent shape (403) to distribute atomized mist-air from intake fans (107) to cylindrical cells and discharge humid air by exhaust fans (108). Each cylindrical cell (101) is coated with hydrophilic material (202), to reduce the contact angle less than 20° which permits thin-film evaporation, electrical insulation, and resist corrosion. Dual atomizer arrays (109) on both sides of the cells form fine mist droplets of 10–30 µm supplied via a peristaltic pump. Dual intake fans

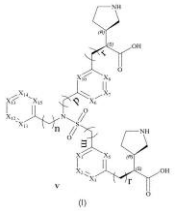
(107) and exhaust fans (108) provide forced convection to accelerate evaporation and maintain uniform cell temperatures. An AI-based microcontroller processes real-time data from temperature and conductivity sensors to predicts and prevents faults and thermal runaway. So, by combining mist-cooling using thin film evaporation, hydrophilic surface treatment, air-flow management channel and intelligent control system results in a thermal management system which is effective in heat removal, minimized energy and water consumption, and increased battery life. It is portable, lightweight, scalable and can be applied to electric cars, hybrid cars, stationary storage, aerospace and industrial battery systems.



21: 2025/10874. 22: 2025/12/17. 43: 2026/07/31
51: A61L
71: Obshchestvo S Ogranichennoi Otvetstvennostiu «MNT»
72: CHASHCHIN, Ivan Sergeevich, PEREPELKIN, Evgeny Igorevich, BRITIKOV, Dmitrii Viacheslavovich, TARASOV, Artem Vladimirovich, CHASHCHIN, Dmitrii Sergeevich
33: RU 31: 2024137136 32: 2024-12-11
54: HYBRID BIOMATRIX AND PREPARATION METHOD THEREOF
00: -

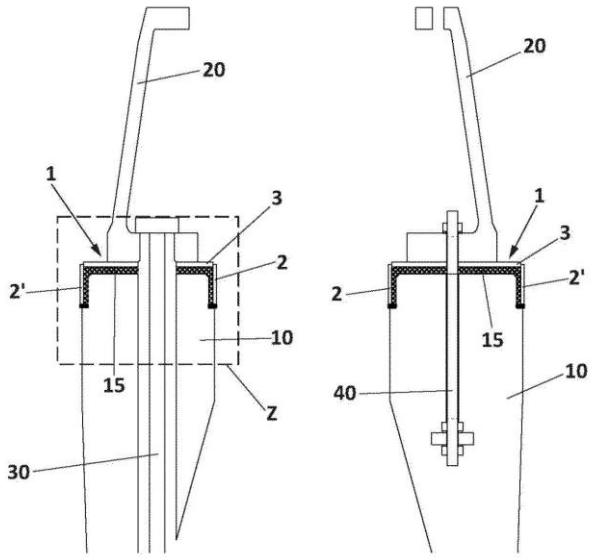
The invention relates to the field of biotechnology, medicine and cosmetology, in particular to a hybrid matrix used as a biological graft used for the manufacture of cardiac prostheses. The technical result of the invention is to increase the biocompatibility of the surface, stability and durability of the biological graft providing an antimicrobial response, and preventing its calcification. The method of preparing hybrid biomatrix comprises the following steps: two-stage preliminary purification of the biomatrix base for 0.75–6 hours, including decellularization of xenopericardium in 2–5 wt% aqueous–alcoholic solution of Tween 80 saturated with CO_2, at a temperature of 20–40^{0}C and a pressure of 10–30 MPa and subsequent decellularization of xenopericardium in a multicomponent system containing a solution based on supercritical CO_2 and an additive of 2–5 wt% aqueous–alcoholic solution of Tween 80 in an amount of 1–1.5 vol%, at a temperature of 20–40^{0}C and a pressure of 10–30 MPa; stabilization of the biomatrix base by treatment with 0.1–0.5 wt% aqueous buffer solution of genipin, pH 6.0–7.4 for 3–4 hours; application of a coating of an aqueous solution of chitosan nanoparticles with a doping antimicrobial additive in the form of silver or vancomycin nanoparticles in a carbonic acid solution under a pressure of 20–30 MPa at a temperature of 23–27^{0}C for 1–6 hours on a pre-cleaned biomatrix base.

21: 2025/10876. 22: 2025/12/17. 43: 2026/07/31
51: A61K; A61P; C07D
71: Shenzhen Salubris Pharmaceuticals Co., Ltd
72: WU, Junjun, LU, Yinsuo, ZOU, Peng, XIAO, Ying, SONG, Qing, ZENG, Junnan, DING, Xiaohong
33: CN 31: 202310570515.4 32: 2023-05-19
54: SULFONAMIDE COMPOUND, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL USE THEREOF
00: -
The present invention belongs to the technical field of chemical pharmaceuticals and provides a sulfonamide compound (I), a preparation method therefor, and pharmaceutical use thereof.



21: 2025/10877. 22: 2025/12/17. 43: 2026/08/12
51: E04H; F03D
71: Nordex Energy Spain, S.A.U.
72: GARDUÑO, Aitor, GARCIA, Ivan, CERRILLO, Vanessa, ASTRAIN, Diego, GALLEGO, Miguel Angel, VARELA, Fernando, RUBIO GUILLEN, Iñigo, ARLABÁN, Teresa
33: EP(ES) 31: 23382629.6 32: 2023-06-21
54: STEEL PLATE OF A CONCRETE SECTION OF A WIND TURBINE TOWER, SUBSET OF A WIND TURBINE TOWER, WIND TURBINE AND METHOD OF ASSEMBLING A WIND TURBINE TOWER
00: -
The object of the invention is a steel plate of a section of a wind turbine tower which reinforces the upper part of the section of the tower of the wind turbine, and also a subset of a wind turbine tower comprising the steel plate, the wind turbine

comprising the subset and a method of assembling of a wind turbine comprising the steel plate.



21: 2025/10878. 22: 2025/12/17. 43: 2026/08/12
51: E02D; E04H
71: Nordex Energy Spain, S.A.U.
72: GARDUÑO, Aitor, GONZALEZ, Miguel, GARCIA, Iván, VARELA, Fernando, ARLABÁN, Teresa
33: EP(ES) 31: 23382628.8 32: 2023-06-21
54: SET OF CONCRETE SEGMENTS OF ADJACENT SECTIONS OF A WIND TURBINE TOWER, AND METHOD OF ASSEMBLING A WIND TURBINE
00: -
The object of the invention is a set of concrete segments of adjacent sections of a wind turbine tower which minimizes the undesirable local effects in the connection area of the upper concrete section and the adapter, and in the connection area of the upper concrete section and the section disposed immediately below, and also a set of sections comprising at least two concrete segments of the upper concrete section and at least two concrete segments of the section disposed immediately below, a tower comprising at least a set of sections and a method of assembling a wind turbine.

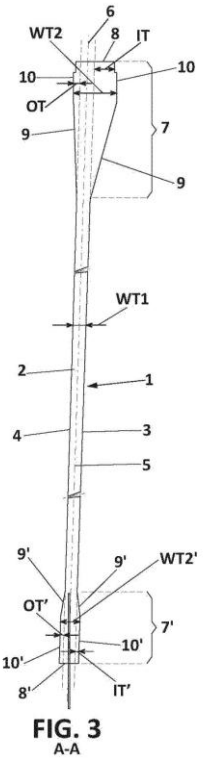


FIG. 3
A-A

21: 2025/10935. 22: 2025/12/18. 43: 2026/07/31
51: E03B; E03C; F16L
71: Hans Sasserath GmbH & Co. KG
72: HECKING, Willi
33: DE 31: 20 2024 107 441.6 32: 2024-12-19
54: CONNECTION FOR WATER-BEARING DEVICES
00: -
A connection assembly for water-carrying components (10, 12) comprising: a first water-carrying component (12); a second water-carrying component (10), which is configured to be connected to the first component (12) by means of a twist lock, and a locking mechanism (56, 62) which lock upon reaching an end position of the twist lock; is characterized in that the first and the second water-carrying components (10, 12) comprise cooperating, off-center channels for opposite flow directions in the connection range, a connection element (26) along the connection axis is provided at one of the water-carrying components (10), and the connection element (26) is configured to be inserted into a receptacle in the other water-carrying component (12) and rotatable about the connection axis when inserted until locking in an end position.

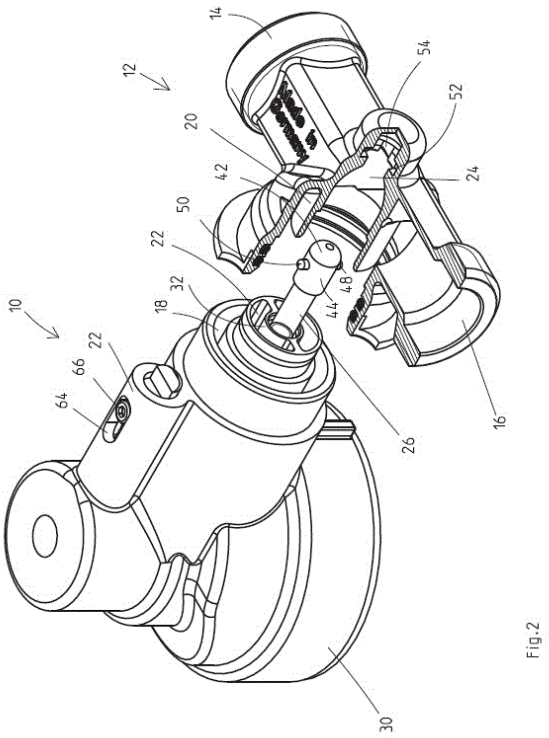
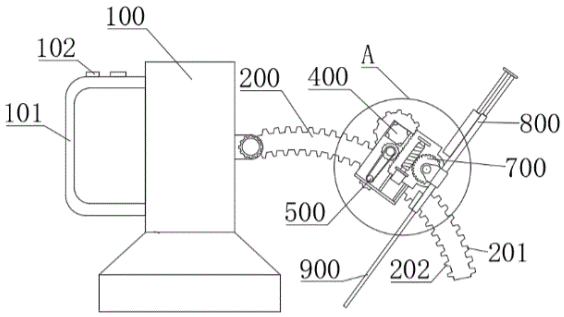
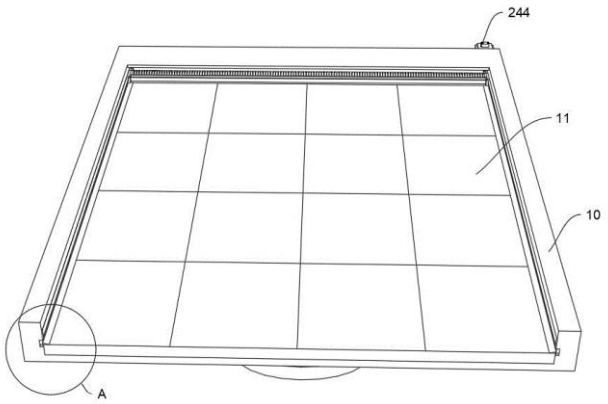


Fig.2

21: 2025/10998. 22: 2025/12/19. 43: 2026/08/06
51: A61B
71: The· Second Affiliated Hospitalof AnhuiUniversity· of Chinese· Medicine
72: Sun Kui, Li Ruixue, Song Yangchun, Wu Sanbing, Liu Yang
54: INTEGRATED PRECISION TREATMENT DEVICE COMBINING ULTRASONIC PROBE AND ACUPOTOMY
00: -
This application discloses an integrated precision treatment device combining an ultrasonic probe and an acupotomy, comprising: an ultrasonic probe; an arc- shaped gear ring rotatably disposed on the ultrasonic probe and including an outer gear ring and an inner gear ring arranged concentrically; a mounting plate slidably disposed on the arc-shaped gear ring; a driving structure disposed on the mounting plate, with an output end meshed with the outer gear ring; a lifting plate slidably disposed on the mounting plate, with a rack provided along the sliding direction on a side edge of the lifting plate; a linkage device mounted on the mounting plate, with an input end meshed with the inner gear ring and an output end meshed with the rack; a fine-tuning structure disposed on the lifting plate; a pushing structure coaxially arranged with a rotating end of the fine-tuning structure; and an acupotomy detachably mounted on a pushing end of the pushing structure. The application can precisely control the path and angle of the acupotomy, reduce operational difficulty, and feature strong operational stability.



21: 2025/11013. 22: 2025/12/19. 43: 2026/08/04
51: H02S
71: Xi'an Traffic Engineering University
72: WEI Junchao, WANG Xuedong, CHANG Zaibin
54: A GRADIENT GUIDE FRAME FRAME FOR SOLAR PANELS WITH SELF-CLEANING FUNCTION
00: -
The present invention patent discloses a gradient guide frame for solar panels with self-cleaning function, which relates to the field of solar frame technology. The guide frame comprises a guide frame and a solar panel installed on the guide frame. The guide frame is equipped with a cleaning mechanism capable of cleaning the solar panel; By rotating two threaded rods, the brush can move from the inside of the guide frame towards the end of the guide frame. At the same time as the brush moves, the first magnets on both sides will adhere to the scraper, causing the scraper to be pushed by the brush and move towards the end of the guide frame. The guide groove is cleaned by the scraper, while the brush cleans the surface of the solar panel.



21: 2025/11025. 22: 2025/12/19. 43: 2026/08/05
51: E02D; E04H; F03D
71: Nordex Energy Spain, S.A.U.
72: GARDUÑO, Aitor, GONZALEZ, Miguel, GARCIA, Iván, VARELA, Fernando, ARLABÁN, Teresa
33: EP(ES) 31: 23382625.4 32: 2023-06-21
54: CONCRETE SEGMENT OF AN UPPER CONCRETE SECTION OF A WIND TURBINE TOWER, MOULD CONFIGURED TO CAST SUCH A CONCRETE SEGMENT AND METHOD OF ASSEMBLING A WIND TURBINE COMPRISING SUCH A CONCRETE SEGMENT
00: -
The object of the invention is a concrete segment of a section of a wind turbine tower which minimizes the undesirable local effects in the connection area between adjacent concrete sections, a section comprising at least two concrete segments, a set comprising two adjacent sections and a joint disposed between the two adjacent sections, a tower comprising at least one set, a mould configured to cast a concrete segment and a method of assembling a wind turbine.

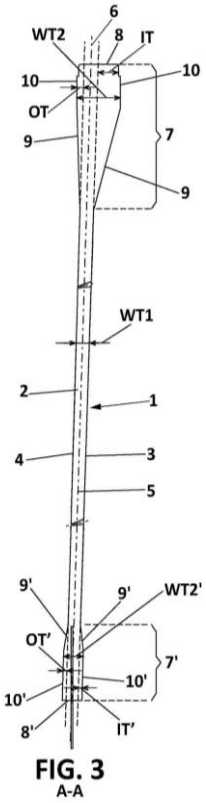


FIG. 3
A-A

21: 2025/11030. 22: 2025/12/19. 43: 2026/08/05
51: E02D; E04H; F03D
71: Nordex Energy Spain, S.A.U.
72: GARDUÑO, Aitor, GONZÁLEZ, Miguel, GARCÍA, Iván, VARELA, Fernando, ARLABÁN, Teresa
33: EP(ES) 31: 23382627.0 32: 2023-06-21
54: CONCRETE SEGMENT OF AN UPPER CONCRETE SECTION OF A WIND TURBINE TOWER, MOULD CONFIGURED TO CAST SUCH A CONCRETE SEGMENT AND METHOD OF ASSEMBLING A WIND TURBINE COMPRISING SUCH A CONCRETE SEGMENT
00: -
The object of the invention is a concrete segment of a section of a wind turbine tower which minimizes the undesirable local effects in the connection area between adjacent concrete sections, a section comprising at least two concrete segments, a set comprising two adjacent sections and a joint disposed between the two adjacent sections, a tower comprising at least one set, a mould configured to cast a concrete segment and a method of assembling a wind turbine.

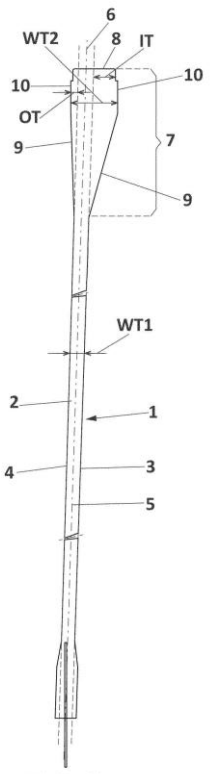


FIG. 3
A-A

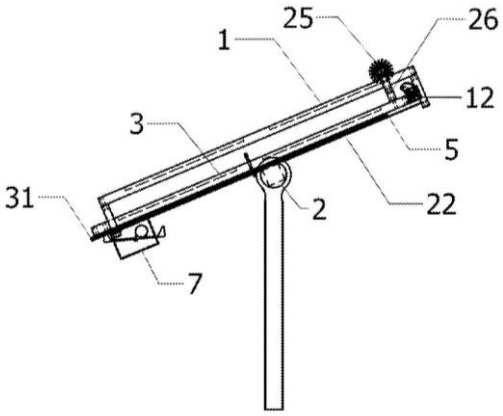
21: 2025/11031. 22: 2025/12/19. 43: 2026/08/05
51: H01B
71: Henkel AG & Co. KGaA
72: PATEL, Mihirkumar, SHAH, Jayesh P, JADHAV, Sumit, BAHRAMI, Kourosh
33: IN 31: 202341035654 32: 2023-05-23
54: ELECTRICALLY CONDUCTIVE CURABLE SILICONE COMPOSITION
00: -
The invention relates to an electrically conductive curable silicone composition, a cured product of the composition, adhesive, sealant, coating, and/or ink materials comprising the composition, and the use of the composition.

21: 2025/11037. 22: 2025/12/19. 43: 2026/08/06
51: C21D; C22C
71: Baoshan Iron & Steel Co., Ltd.
72: XUE, Peng, ZHU, Xiaodong, LI , Wei
33: CN 31: 202310624027.7 32: 2023-05-30
54: COMPONENT-NORMALIZED VARIABLE-STRENGTH DUAL-PHASE STEEL PLATE AND FLEXIBLE MANUFACTURING METHOD THEREFOR
00: -
Dual-phase steel and a flexible manufacturing method therefor. The dual-phase steel comprises the following chemical components in percentage by mass: 0.06%-0.08% of C, 0.4%-0.6% of Si, 2.4%-2.6% of Mn, 0.01%-0.05% of Al, 0.02%-0.04% of Ti, 0.0015%-0.0025% of B, and the balance of Fe and inevitable impurities. The microscopic structure of the variable-strength dual-phase steel comprises martensite having a volume fraction of 30% or above; the remaining structure is ferrite, retained austenite, and nano-precipitates; and the formability is good. In the present invention, a component normalization design and a flexible manufacturing process are used, steel of multiple strength levels required for a body-in-white is produced, the dual-phase steel can be flexible to reach a tensile strength of 450-1310 MPa, the formability is good, the product of strength and elongation is larger than 11000%, and the reaming rate is larger than 35%.

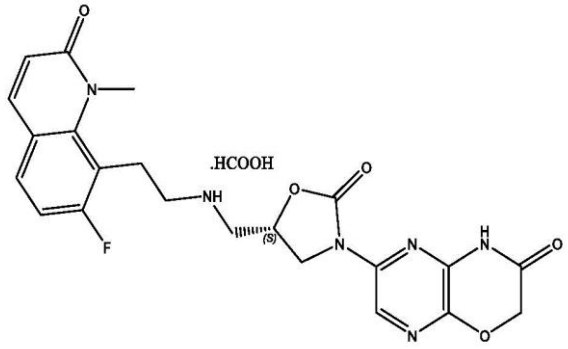
21: 2025/11067. 22: 2025/12/22. 43: 2026/08/19
51: A61K; C07K; A61P
71: IMMUNOGEN, INC., CYTOMX THERAPEUTICS, INC.
72: LIU, Yimao, HICKS, Stuart, W., GUIDI, Cynthia, J., KOHLI, Neeraj, CHITTENDEN, Thomas, LAMBERT, John, PAIDHUNGAT, Madan, M., SAGERT, Jason, Gary, TIPTON, Kimberly, Ann, CHAN, Chanty, Mariategue, FOX, Ellaine, Anne, Mariano
33: US 31: 62/751,530 32: 2018-10-26
33: US 31: 62/824,539 32: 2019-03-27
33: US 31: 62/846,297 32: 2019-05-10
54: EPCAM ANTIBODIES, ACTIVATABLE ANTIBODIES, AND IMMUNOCONJUGATES, AND USES THEREOF
00: -
The disclosure generally relates to antibodies and antibody fragments that specifically bind human EpCAM, EpCAMactivatable antibodies, and immunoconjugates thereof, as well as, methods of making and using the antibodies, antibodyfragments, activatable antibodies, and immunoconjugates, for the diagnosis and treatment of diseases such as cancer.

21: 2025/11082. 22: 2025/12/22. 43: 2026/08/05
51: A01G; H02S
71: Powerfultree S.L.

72: DÍAZ LóPEZ, Juan Diego, SOLER ESTEBAN, Alvaro, ZUAZO SAENZ DE VITERI, Abraham
33: ES 31: P202330542 32: 2023-06-28
54: PHOTOVOLTAIC SOLAR PANEL
00: -
The present invention relates to a photovoltaic solar panel that rotates about a horizontal shaft to adjust the inclination thereof according to the altitude of the sun. The advantage of the invention lies in the inclusion in a photovoltaic solar panel of at least one surface that is able to fold and slide without consuming electricity and only using gravity. For this purpose, the photovoltaic solar panel includes a mechanical retaining device provided with a rocking piece that acts on a retaining lug and a releasing lug, wherein a ball rolls along the rocking piece, the position of the ball defining a locked or unlocked position, thereby preventing the foldable surface from sliding in the locked position and allowing the foldable surface to slide in the unlocked position.



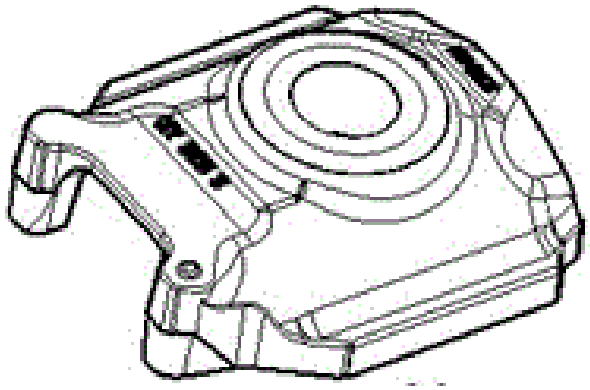
21: 2025/11084. 22: 2025/12/22. 43: 2026/08/05
51: C07C; C07D
71: Bugworks Research, Inc.
72: PEER MOHAMED, Shahul Hameed, KAUSHIK KOTAKONDA, Harish, TUMMA, Harikrishna
33: IN 31: 202341039331 32: 2023-06-08
54: A PROCESS OF PREPARATION OF AN ANTIBACTERIAL COMPOUND AND ITS INTERMEDIATES THEREOF
00: -
The present disclosure provides a process of preparation of an antibacterial compound of Formula I, (S)-6-(5-(((2-(7-fluoro-l- methyl-2-oxo-l,2-dihydroquinolin-8-yl) ethyl) amino) methyl)-2-oxooxazolidin-3-yl)-2H-pyrazino[2,3-b] [1,4] oxazin-3(4H)-one formate salt. The present disclosure also provides intermediates of the compound of Formula I and their preparation. The present disclosure further provides a process of preparation of compound of Formula I with improved yield and high purity.



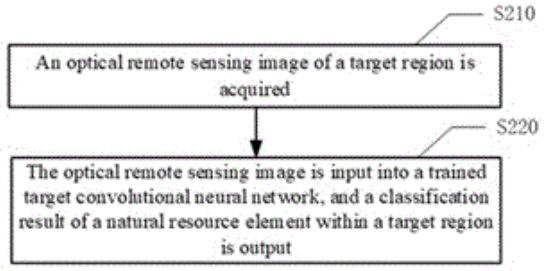
Formula I

21: 2025/11137. 22: 2025/12/23. 43: 2026/10/14
51: B28B
71: Shaanxi Hongyuan Aviation Forging Company Ltd.
72: Yupei WANG, Wenjun GE, Min GUO, Ke WANG, Yi MA
33: CN 31: 202510890574.9 32: 2025-06-30
54: METHOD FOR FORMING STRUCTURAL STEEL MOLD FORGING WITH A "TURTLE SHELL"-LIKE STRUCTURE AND RAISED CHARACTERS
00: -
The present disclosure belongs to the field of forging and mold design, and relates to a method for forming a structural steel mold forging with a "turtle shell"-like structure and raised characters. The method includes: preparing a "U"-shaped blank from a bar stock, with one end of the "U"-shaped blank having a conformal boss and a reserved stock platform in the area corresponding to the raised characters of the forging; performing mold forging of the blank to obtain a structural steel mold forging with a "turtle shell"-like structure and no raised characters, wherein the metal of the conformal boss is extruded into a cavity of the symmetrical raised platform during the mold forging process, forming the symmetrical raised platforms of the structural steel mold forging with a "turtle shell"-like structure; trimming edges of the structural steel mold forging with a "turtle shell"-like structure, simultaneously extruding the metal on the reserved stock platform of the bank through the concave groove of the trimming mold cavity, forming a structural steel mold forging

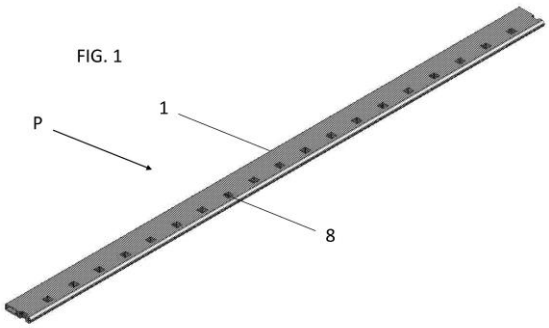
with a “turtle shell”-like structure and raised characters.



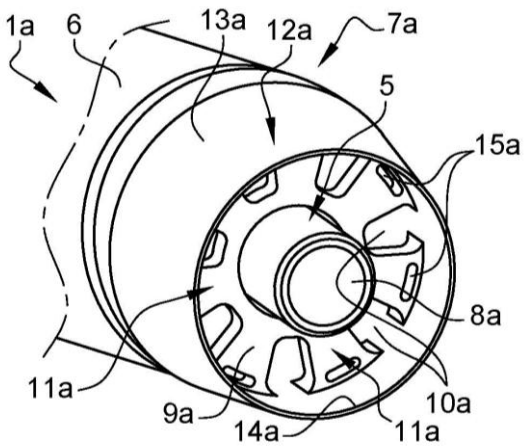
21: 2025/11138. 22: 2025/12/23. 43: 2026/08/05
51: G06V; G06N
71: AEROSPACE INFORMATION RESEARCH INSTITUTE, CHINESE ACADEMY OF SCIENCES
72: DAILIANG PENG, YULONG LV, ENHUI CHENG, HONGYANG WANG, KE LIU, ZIHANG LOU, JINKANG HU, HONGCHI ZHANG, YIZHOU ZHANG
33: CN 31: 202511167944.2 32: 2025-08-20
54: METHOD AND SYSTEM FOR EXTRACTING NATURAL RESOURCE ELEMENT BY COUPLING SPECTRAL FEATURE AND DRY-WET FEATURE
00: -
A method and a system for extracting a natural resource element by coupling a spectral feature and a dry-wet feature are provided. The method for extracting a natural resource element includes: acquiring an optical remote sensing image of a target region; and inputting the optical remote sensing image into a trained target convolutional neural network, and outputting a classification result of a natural resource element within the target region, where the target convolutional neural network is obtained by training a convolutional neural network using sample data and a corresponding label; the sample data includes a sample optical remote sensing image, a dry season spectral feature value of the sample optical remote sensing image in a dry season, and a wet season spectral feature value of the sample optical remote sensing image in a wet season; and the label includes a category label information of natural resource element sample data.



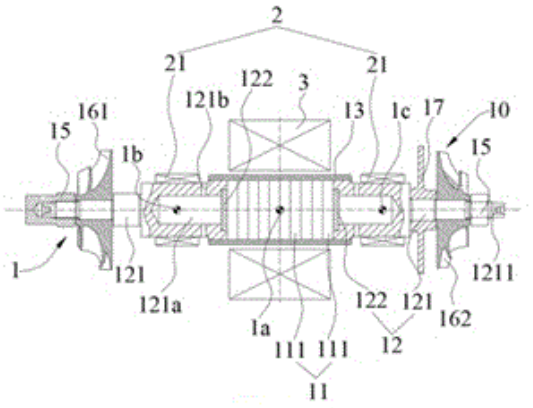
21: 2025/11150. 22: 2025/12/23. 43: 2026/08/13
51: H01B; H02B; H02G
71: FRANCISQUINI, Melquisedec
72: FRANCISQUINI, Melquisedec
33: BR 31: 1020230109500 32: 2023-06-02
54: RECTANGULAR TUBULAR CONDUCTOR BUSBAR WITH SOLID CORE AND INTERNAL HEAT DISSIPATION
00: -
The invention relates to a rectangular tubular conductor busbar with solid core and internal heat dissipation, designed with a tubular rectangular shape, intended for use in electrical cabinets for low and high voltage power manoeuvring and control sets and prefabricated electric lines. The main structure comprises a rectangular tubular busbar (P), substantially in the shape of a parallelepiped, featuring a body (1) bounded by external walls, and a solid core (2) formed by the overlapping of elements, the thickness of which is threefold compared to the walls forming the body (1). This solid core is positioned between the upper and lower walls of the body (1). The rectangular tubular busbar (P) consists of two separate regions: a hollow area (A1) and the solid core (2), wherein the region of the hollow area (A1) is delimited between the rear face of the rectangular tubular busbar (P) and the upper and lower faces of the tubular busbar (P) while the solid core (2) is located in the region delimited by the front face of the rectangular tubular busbar (P) and the upper and lower walls of the rectangular tubular busbar (P), as well as the hollow area (A1).



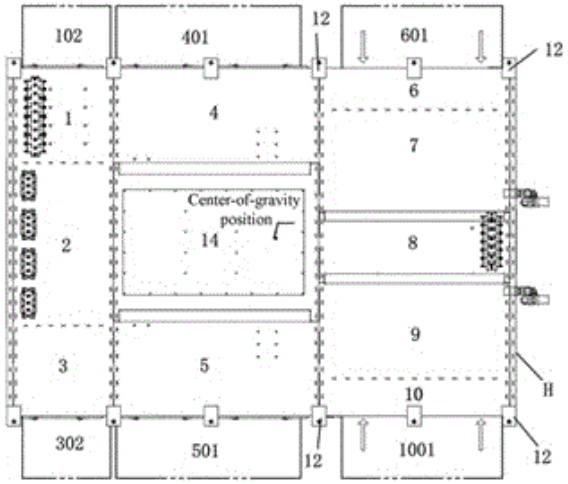
21: 2025/11154. 22: 2025/12/23. 43: 2026/08/06
51: C21B; F27B; F27D
71: Arcelormittal, CNRS Centre National de la Recherche Scientifique, INSA Institut National des Sciences Appliquees de Rouen, Universite de Rouen-Normandie
72: DOMINGO, Pascale, VERVISCH, Luc, BARNAUD, Camille, DODIER, Eric, GHAZAL, Ghassan, NGUYEN, Phuc Danh, SERT, Dominique
54: DOUBLE WALL LANCE FOR INJECTING REDUCING AGENT AND OXYGEN THROUGH A TUYERE IN A BLAST FURNACE
00: -
The invention relates to a double wall lance for injecting reducing agent and oxygen through a tuyere comprising: a. an inner tube (5) for injecting reducing agent (2), b. an outer tube (6) for injecting oxygen (3) which surrounds the inner tube (5), c. an end part (7, 7a,7b,7c) closing the lance (1) and having: - a front face (11a,11b,11c) having a diameter D and comprising: i. a reducing agent outlet hole (8a,8b,8c), ii. a front face periphery (9a,9b,9c) comprising a plurality of main oxygen outlet holes (10a,10b,10c), - a cap (12a,12b,12c) surrounding the end part (7,7a,7b,7c) and extending over a length L starting from the front face (11a,11b,11c) of the end part (7, 7a,7b,7c) to a free end edge (14a,14b,14c), wherein the length L of the cap (12a,12b,12c) represents more than 21,3% of the diameter D of the front face (11a,11b,11c). The invention also relates to a method to inject hot reducing gas into a blast furnace through a tuyere (4) using such double wall lance.



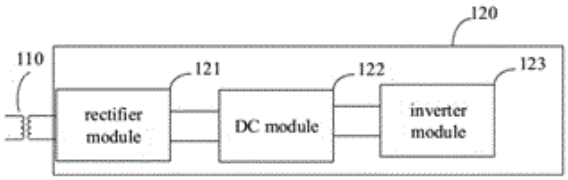
21: 2025/11166. 22: 2025/12/23. 43: 2026/08/13
51: H02K
71: CRRC YONGJI ELECTRIC CO., LTD
72: NI, WEI, LIU, GUANFANG, YUAN, RUIZE, PANG, CONG, HE, ZHIXUE, SUN, WEI, SANG, SHANG, CHENG, MING
33: CN 31: 202311626223.4 32: 2023-11-30
54: PERMANENT MAGNET ELECTRIC MOTOR, ELECTRIC MOTOR ROTOR SYSTEM, AND MANUFACTURING METHOD THEREFOR
00: -
Provided in the embodiments of the present disclosure are a permanent magnet electric motor, an electric motor rotor system, and a manufacturing method therefor, which relate to the technical field of permanent magnet electric motors. The electric motor rotor system comprises a support device and a rotor assembly, wherein the support device has a first support rotation center and a second support rotation center that are spaced apart; and the rotor assembly is rotatably connected to the support device at the first support rotation center and the second support rotation center, respectively, and rotates around the line connecting the first support rotation center and the second support rotation center, the distance between the first support rotation center and the center of gravity of the rotor assembly is a first distance, the distance between the second support rotation center and the center of gravity of the rotor assembly is a second distance, and the first distance is equal to the second distance.



21: 2025/11167. 22: 2025/12/23. 43: 2026/08/13
51: H02M; H05K; H02K
71: CRRC YONGJI ELECTRIC CO., LTD
72: WEI, GANG, ZHENG, XUYANG, ZHANG, MINGTAO, ZHAO, NA, ZHANG, JINGQUAN
33: CN 31: 202311791023.4 32: 2023-12-25
54: TRACTION AND AUXILIARY CONVERTER STRUCTURE FOR 400 KM/H ELECTRIC MULTIPLE UNIT
00: -
The present invention relates to the field of traction and auxiliary converter structures for high-speed electric multiple units. Disclosed is a traction and auxiliary converter structure for a 400 km/h electric multiple unit. The traction and auxiliary converter structure comprises a cabinet, wherein an input contactor unit, an output contactor unit and a TCU are sequentially provided on a left side inside the cabinet from top to bottom; a plurality of high-voltage input ports are provided in a left side of the input contactor unit; a plurality of groups of three-phase high-voltage output ports configured to be connected to an electric motor are provided in a left side of the output contactor unit; a grounding screw seat is provided at the bottom of an outer wall of a left side of the TCU; a power I module unit, a voltage and current sensor unit and a power II module unit are sequentially provided in the middle of the cabinet from top to bottom; and an electric-motor cooling unit, an auxiliary transformer and electric-motor side water pump unit, a fan unit, an auxiliary reactor and converter side water pump unit and a converter cooling unit are sequentially provided on a right side inside the cabinet from top to bottom. The present invention meets the requirements of the entire structure for miniaturization and light weight.



21: 2025/11168. 22: 2025/12/23. 43: 2026/08/13
51: H02M
71: CRRC YONGJI ELECTRIC CO., LTD
72: XU, YAKUN, YANG, LU, LIU, GUO, XU, CONGQIAN, MA, LIANFENG, ZHANG, MINGTAO
33: CN 31: 202311825148.4 32: 2023-12-27
54: TRAIN CONTROL SYSTEM
00: -
Provided in the present disclosure is a train control system, comprising: a traction transformer, which is located outside a train, and an auxiliary traction converter, which is located in the train, the auxiliary traction converter at least comprising a rectifier module, a direct-current module and an inverter module, wherein the rectifier module is located in a loop where a secondary winding of the traction transformer is located; the rectifier module is connected to the direct-current module by means of a connecting piece; the direct-current module is connected to the inverter module by means of a connecting piece; the rectifier module is configured to receive a first alternating current input by the traction transformer, and convert the first alternating current into a first direct current; the direct-current module is configured to receive the first direct current and input the first direct current into the inverter module; and the inverter module is configured to receive the first direct current, and convert the first direct current into a second alternating current. Functional components are modularly designed, and modules are connected to each other by means of connecting pieces, so that good levels of maintainability and reliability are achieved.

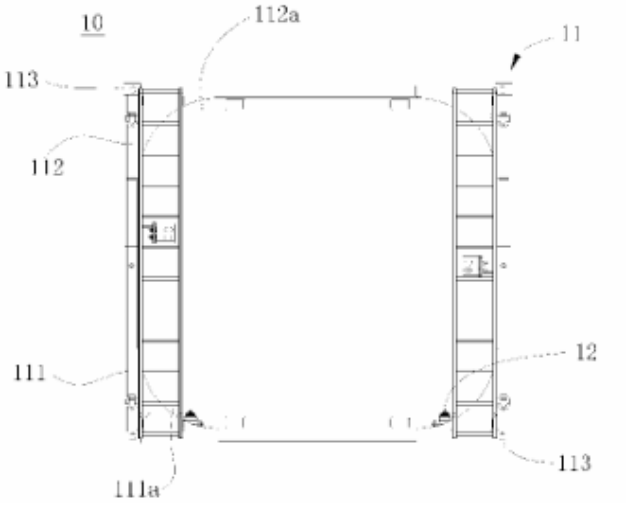


21: 2025/11179. 22: 2025/12/23. 43: 2026/08/13
51: B25B; B65D; F03D
71: Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
72: YANG, Guangdong, WANG, Peng, BAO, Jiyou
33: CN 31: 202422158798.4 32: 2024-09-03

54: TRANSPORTATION FRAME, SUPPORT AND TRANSPORTATION APPARATUS, TRANSPORTATION SYSTEM, WIND FARM AND WIND TURBINE GENERATOR SET

00: -

(57) Abstract: A transport frame (10). The transport frame (10) is used for mating with support assemblies (20). The support assemblies (20) are configured to support blades (40). The transport frame (10) comprises: frame bodies (11), wherein each frame body (11) comprises a first frame body (111) and a second frame body (112), the first frame body (111) is provided with a first recessed cavity (111a), the second frame body (112) is provided with a second recessed cavity (112a), the first frame body (111) is connected to the second frame body (112), and the first recessed cavities (111a) are communicated with the second recessed cavities (112a) to form a cavity; and first connecting members (12) provided on the sides of the first frame bodies (111) facing the cavity, wherein each first connecting member (12) comprises one of a first connecting pin (121) and a first connecting hole, and the first connecting members (12) are configured to be detachably connected to the support assemblies (20). The transport frame (10) can ensure the support requirements of the blades (40), can adapt to support assemblies (20) of different blades (40), and has good universality.

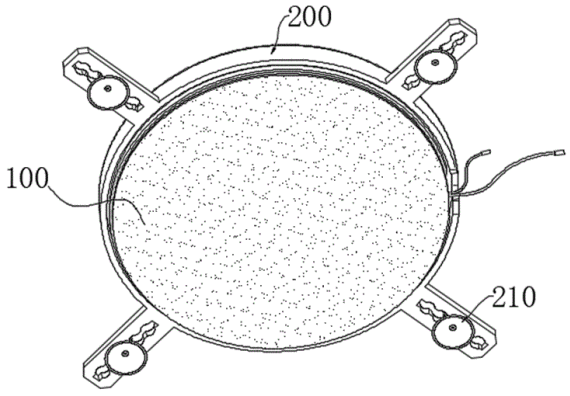


21: 2026/00040. 22: 2026/01/05. 43: 2026/08/13
51: A61N
71: The· Second Affiliated Hospitalof AnhuiUniversity· of Chinese· Medicine
72: Cheng Jingyan, Sun Shanbin, Hao Panfu, Zuo Na, Li Xun, Liang Yueguang

54: AN ELECTRODE PAD WITH AN ANTI-DETACHMENT MECHANISM AND A DETACHMENT ALARM SYSTEM FOR ELECTROTHERAPY DEVICES

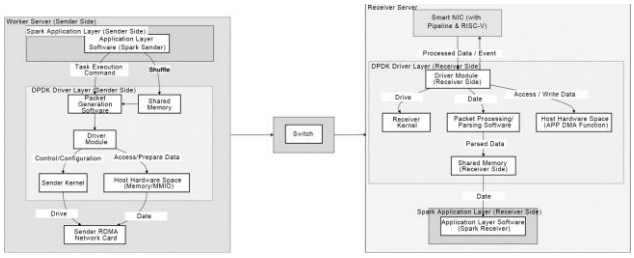
00: -

The present invention discloses an electrode pad with an anti-detachment mechanism for an electrotherapy device and a detachment alarm system, belonging to the technical field of electrotherapy device accessories. The electrode pad comprises an electrode pad body and an anti-detachment mechanism; the anti-detachment mechanism is arranged above the electrode pad body and consists of a housing, reinforcement assemblies and a pressurizing component. The reinforcement assemblies are arranged in an array on the side wall of the housing and include silicone suction cups and adjusting plates; the positions of the silicone suction cups can be adjusted via positioning beads; the pressurizing component can apply pressure to the electrode pad to enhance the fitting stability. A pressure relief mechanism is further provided, which can synchronously release the adsorption state of multiple silicone suction cups. The matched detachment alarm system comprises a pressure sensor, a controller and an alarm. When the anti-detachment mechanism detaches, leading to an abnormal monitoring value of the pressure sensor, an alarm will be triggered to remind the staff to handle it in a timely manner. The invention solves the problems that traditional electrode pads are prone to warping and detachment and have potential safety hazards, and ensures the effect and safety of electrotherapy.

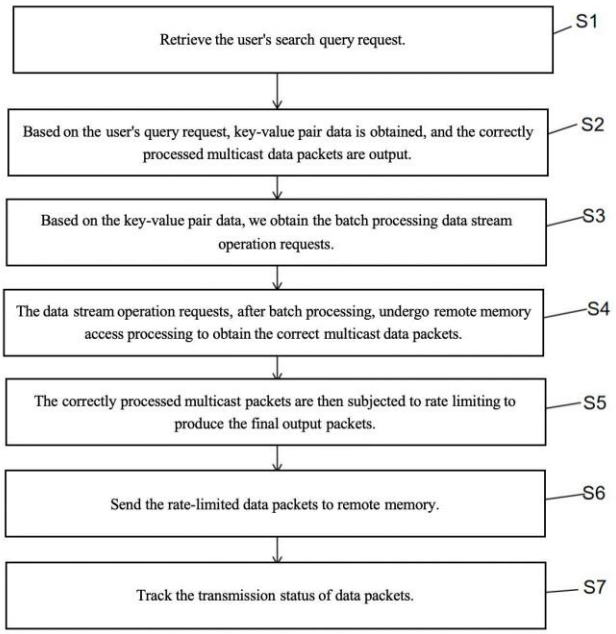


21: 2026/00055. 22: 2026/01/05. 43: 2026/08/17
51: G06F

71: Beijing University of Posts and Telecommunications
72: Liu Yang
33: CN 31: 2025111132750 32: 2025-08-11
54: A DISTRIBUTED BIG DATA KEY-VALUE AGGREGATION METHOD, APPARATUS, SYSTEM, AND STORAGE MEDIUM
00: -
The present invention discloses a distributed big data key-value aggregation method, apparatus, system, and storage medium, comprising the following steps: When a user submits a Spark application, the SparkContext is initialized and connected to the Spark cluster, creating Driver and Executor processes. The Driver decomposes the task into multiple stages, and the tasks of each stage are assigned to different Executors for parallel execution. The Executors perform efficient packet processing via DPDK. After DPDK generates packets, the type of the current packet is written. On the aggregation server, the smart network interface card prioritizes in-network aggregation for packets of the specified type. Upon task completion, the Executors return the results to the Driver, which performs result aggregation. Finally, the SparkContext cleans up resources and closes the application.

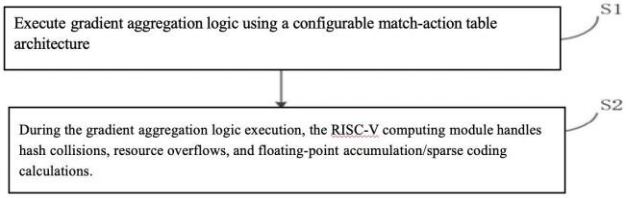


21: 2026/00056. 22: 2026/01/05. 43: 2026/08/17
51: G06F
71: Beijing University of Posts and Telecommunications
72: Liu Yang
33: CN 31: 2025114317566 32: 2025-10-09
54: A DISTRIBUTED QUERY METHOD, APPARATUS, SYSTEM, AND STORAGE MEDIUM
00: -
The present invention discloses a distributed query method, apparatus, system, and storage medium, comprising: acquiring a user's query operation request; obtaining key–value pair data according to the user's query operation request, and simultaneously outputting correctly processed multicast transmission data packets; obtaining batch-processed data stream operation requests according to the key–value pair data; performing remote memory access processing on the batch-processed data stream operation requests to obtain correctly multicast transmission data packets; processing the correctly multicast transmission data packets to obtain rate-limited data packets; sending the rate-limited data packets to remote memory; and tracking the transmission status of the data packets. By adopting the technical solution of the present invention, data transmission and query processing between nodes in a distributed architecture are optimized.



21: 2026/00062. 22: 2026/01/05. 43: 2026/08/17
51: G06F
71: Beijing University of Posts and Telecommunications
72: Liu Yang
33: CN 31: 2025115418225 32: 2025-10-27
54: AN IN-NETWORK AGGREGATION METHOD, DEVICE, SYSTEM, AND STORAGE MEDIUM
00: -
The invention discloses a network aggregation method, device, system, and storage medium, comprising: Step S1: executing gradient aggregation logic using a configurable match-table architecture; Step S2: during the execution of the gradient

aggregation logic, processing hash collisions, resource overflow, and floating-point accumulation/sparse encoding computations via a RISC-V computing module. By adopting the technical solution of the present invention, it is possible to achieve customized protocols and packet-specific line-rate processing, as well as handling exceptional cases that cannot be processed by network interface cards with limited flexibility.

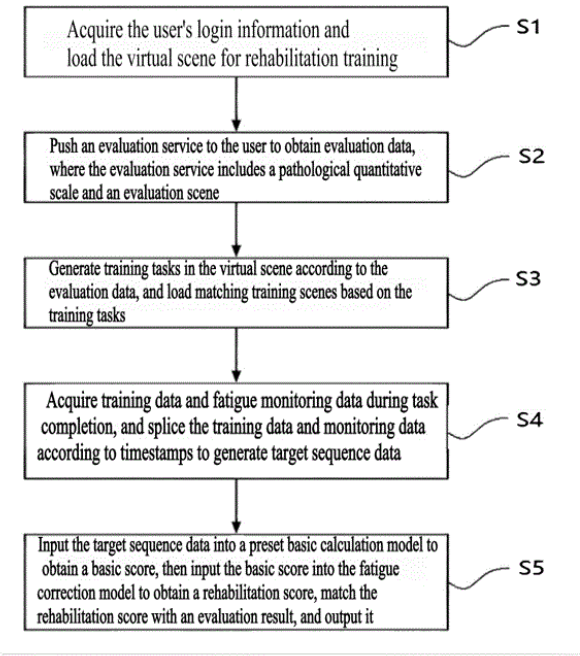


21: 2026/00066. 22: 2026/01/05. 43: 2026/08/17
51: G06F
71: The·Second Affiliated Hospitalof AnhuiUniversity·of Chinese·Medicine
72: Chen Manman, You Min, Wang Ting, Wang Wei, Wu Liping, Ye Zixuan, Lu Ruli

54: METHOD AND DEVICE FOR AUXILIARY REHABILITATION OF COGNITIVE IMPAIRMENT AFTER STROKE BASED ON VIRTUAL AND AUGMENTED REALITY

00: -

This invention discloses a method and device for auxiliary rehabilitation of cognitive impairment after stroke based on virtual and augmented reality, belonging to the technical field of rehabilitation assistance. The method includes acquiring the user's login information and loading a virtual scene for rehabilitation training; pushing an evaluation service to the user to obtain evaluation data, where the evaluation service includes a pathological quantitative scale and an evaluation scene; generating training tasks in the virtual scene according to the evaluation data and loading matching training scenes based on the training tasks; acquiring training data and fatigue monitoring data during task completion, and splicing the training data and monitoring data according to timestamps to generate target sequence data; inputting the target sequence data into a preset scoring model to output an evaluation result. The scoring model includes a basic calculation model and a fatigue correction model. A basic score is obtained by inputting the target sequence data into the basic calculation model, and then a rehabilitation score is obtained by inputting the basic score into the fatigue correction model. The invention pushes appropriate training scenes through accurate assessment of the patient's condition.



21: 2026/00075. 22: 2026/01/05. 43: 2026/08/17
51: B62D
71: Kimi Isaac Onana
72: Kimi Isaac Onana

54: SYSTEM AND METHOD FOR RECORDING, VERIFYING, AND RETRIEVING TAMPER-RESISTANT VEHICLE SPEED DATA FOR USE IN TRAFFIC SPEED DISPUTES

00: -

The present invention relates to a computer-implemented system and method for continuously recording, verifying, storing, and retrieving vehicle speed data in a tamper-resistant and verifiable manner. A mobile computing device carried within a vehicle captures vehicle speed data using satellite-based positioning signals and motion sensors. Each recorded speed event is associated with a device-generated timestamp and a trusted server-verified timestamp. The speed data and associated

metadata are cryptographically hashed and stored in an immutable record structure to prevent undetected alteration or deletion. The system enables retrospective retrieval of verified speed data for any selected date or time interval and generates authenticated, digitally signed reports suitable for use as supporting evidence in traffic speed disputes, insurance assessments, fleet compliance reviews, and related legal or administrative proceedings.

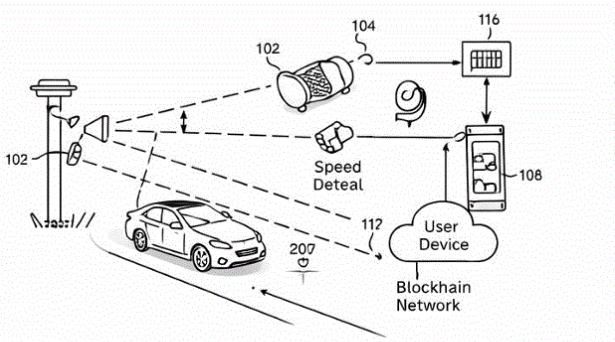


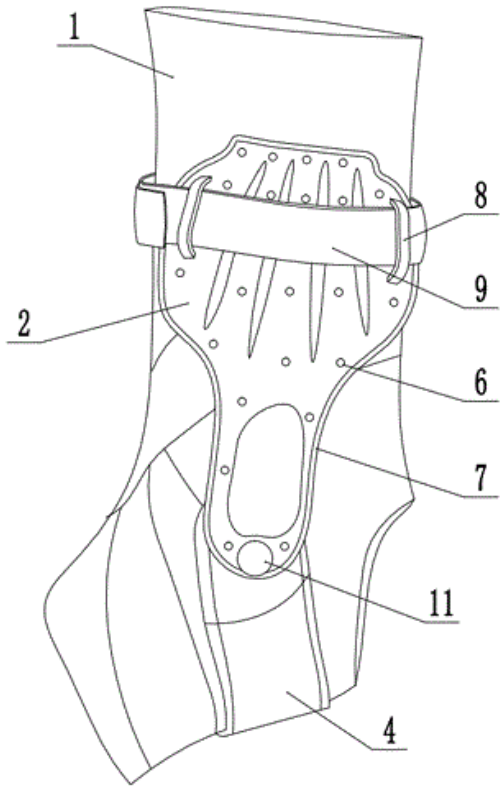
Fig. System Architecture

21: 2026/00117. 22: 2026/01/05. 43: 2026/09/01
51: A43B
71: Xinyu University
72: Huang Taibin, Li Ling, Xi Ying, Liang Jing, Yang Zhiyu, Chen Wei, Zou Wei

54: A SPORTS ANKLE SUPPORT DEVICE WITH ANTI-SPRAIN STRUCTURE

00: -

The present invention discloses a sports ankle brace support device with an anti-sprain structure, which belongs to the technical field of sports protective equipment. The device consists of an ankle brace main body, an outer ankle brace support structure, a sole-fitting elastic strap, a cushion pad, an air vent array, a protective edge wrapping, connecting lugs and velcro straps. It adopts a split structure of "inner ankle brace + independent outer support"; the outer support structure is composed of left and right symmetric arc-shaped support sheets, which can be quickly worn and fixed through the sole-fitting elastic strap and the top velcro strap. It can specifically fit the joint bones on both sides of the ankle and effectively resist torsional impact force.



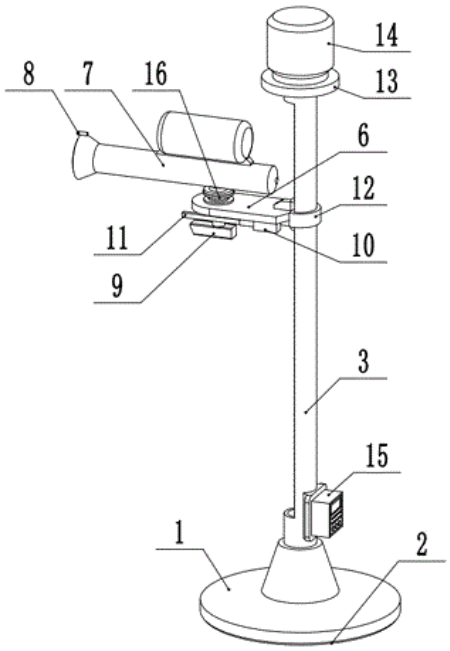
21: 2026/00118. 22: 2026/01/05. 43: 2026/09/01
51: A63B
71: Xinyu University
72: Huang Taibin, Li Ling, Xi Ying, Liang Jing, Yang Zhiyu, Chen Wei, Zou Wei

54: A DEVICE FOR CORRECTING THE DIRECTION OF SERVICE IN BADMINTON TRAINING

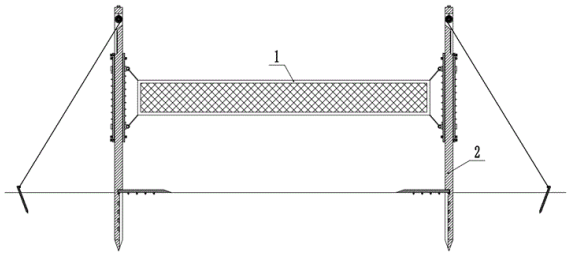
00: -

This invention discloses a serving direction correction device for badminton training, pertaining to the field of sports training equipment technology. The device comprises a base assembly, a support adjustment assembly, a serving positioning assembly, a direction detection assembly, a correction execution assembly, and a control assembly. The support adjustment assembly utilizes a servo motor to drive an adjusting screw rod, which in turn drives the screw nut to ascend or descend, achieving height adaptation for the serving positioning assembly. The correction execution assembly employs an electric telescopic rod coupled with rack and pinion transmission to drive the rotating shaft, thereby rotating the server for correction. The direction detection assembly forms a serving reference channel through a laser emitter,

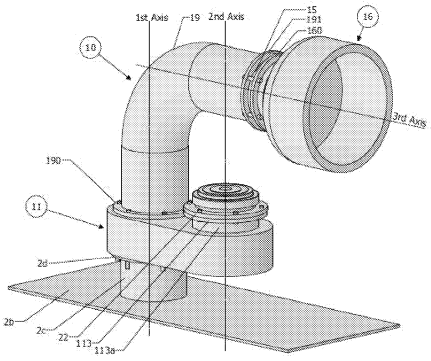
with an image capture lens capturing the trajectory in real time.



21: 2026/00119. 22: 2026/01/05. 43: 2026/09/01
51: A63B
71: Xinyu University
72: Huang Taibin, Li Ling, Xi Ying, Liang Jing, Yang Zhiyu, Chen Wei, Zou Wei
54: A QUICKLY-INSTALLABLE SUPPORT STRUCTURE FOR OUTDOOR SPORTS NET
00: -
The invention discloses an outdoor sports net support structure capable of quick installation, belonging to the technical field of outdoor sports equipment. It comprises a net and two symmetrically arranged support structures; each support structure is composed of a support column, a horizontal support structure, a net installation structure and a cable-stayed structure; the bottom end of the support column is pointed to facilitate insertion into the soil layer, the horizontal support structure enhances support stability through a rotatable support plate and anti-slip nails, the net installation structure realizes height adjustment and tensioning of the net by means of a sliding cylinder, a spring and a fixing ring, and the cable-stayed structure further improves the anti-tipping capacity of the support structure through a pull rope, a positioning disk and a steel drill rod.

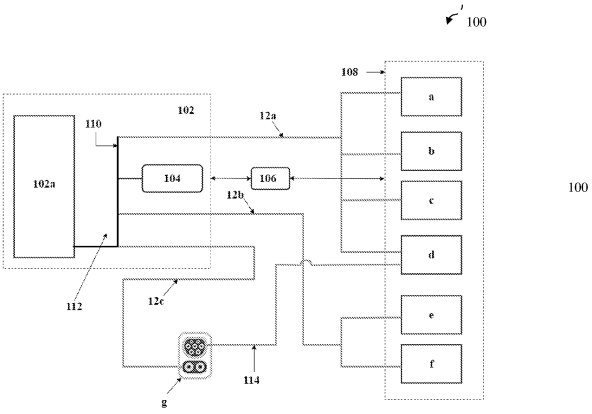


21: 2026/00149. 22: 2026/01/05. 43: 2026/09/02
51: H01F
71: PHILIPPE MAGNIER LLC
72: MAGNIER, Philippe
33: US 31: 63/555,652 32: 2024-02-20
33: US 31: 18/789,031 32: 2024-07-30
54: TECHNOLOGIES FOR PREVENTING THE EXPLOSION OF ELECTRICAL TRANSFORMERS
00: -
An adaptor (11) for an electrical transformer explosion prevention device comprising: a first drilled interface (111) in a first region of a lower wall; a second drilled interface (112) in a first region of an upper wall, the first drilled interface and the second drilled interface being concentric with a first axis; a first set of bolt holes positioned about the first drilled interface such that the adaptor can be secured to a transformer tank outlet (2c); and an adaptor outlet (113a) with an adaptor outlet flange (113) secured to a second region of the upper wall and concentric with a second axis, for attaching a static spring pressure relief valve (22) to the adaptor outlet flange member. Devices and transformers comprising the adaptor, and control arrangements for controlling such devices and transformers, are also disclosed.



21: 2026/00155. 22: 2026/01/05. 43: 2026/09/02
51: B60H; B60L; B60R
71: MAHINDRA ELECTRIC AUTOMOBILE LIMITED

72: RAMAKRISHNAN, Ganesh Kumar, BOITA, Dhananjaya Rao
33: IN 31: 202321073383 32: 2023-10-27
54: SYSTEM AND METHOD FOR HIGH VOLTAGE (HV) MANAGEMENT IN NON-HVIL VEHICLES
00: -
A system (100) for high voltage management in non-HVIL vehicles comprises an HV battery-pack (102), HV components (108), and an HV DC bus (110) that supplies power from the HV battery (102a) to HV components (108). The Vehicle Control Unit (VCU/HCU) (106) controls the power-up and power-down sequence for these HV components. The system includes HV connections (112) such as HV Auxiliary-connection (12a), HV traction connection (12b), and HV DC fast charging-connection (12c) connecting the HV battery-pack with the HV components. The HV monitoring and regulation functionality is integrated with the Battery Management System (104) and the VCU/HCU (106) to detect and mitigate indirect-HVIL faults, both before and after a successful HV power-up. The BMS employs a combination of direct and indirect high-voltage monitoring to reduce signal latency in communication with HV components. The BMS is configured to transmit hardwired signals to the HV components for HV regulation to reduce signal latency.



21: 2026/00212. 22: 2026/01/06. 43: 2026/08/19
51: H04B; H04W
71: NOKIA TECHNOLOGIES OY
72: FREDERIKSEN, Frank, WIGARD, Jeroen, JUAN, Enric, STANCZAK, Jedrzej
33: GB 31: 2311962.1 32: 2023-08-04
54: USE OF CELL SWITCH ASSISTANCE INFORMATION FOR SSB SEARCHING DURING SATELLITE SWITCHING
00: -
A UE, connected using a current cell served by a first satellite to a BS, receives information from the BS including assistance information for a cell switch from the current cell to a cell served by a second satellite. The information is received before a stop time indicating when the current cell will stop serving the UE. The UE performs the cell switch from the current cell to the cell served by the second satellite using at least the assistance information to find cell synchronization block(s) for the served by the second satellite. The BS sends the information from the BS including the assistance information for a cell switch from the current cell to a cell served by a second satellite. The BS shuts down the current cell at a stop time.

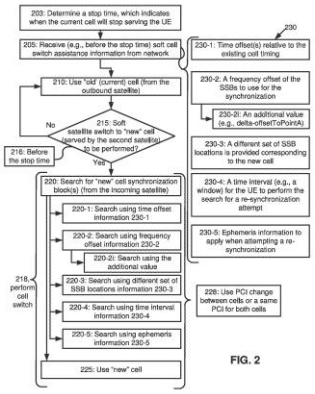
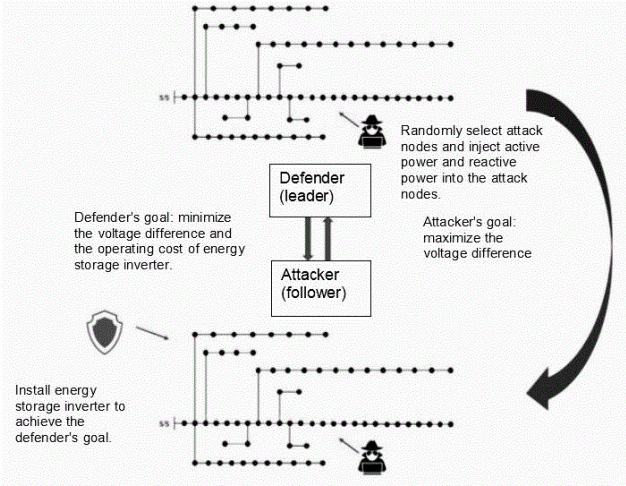


FIG. 2

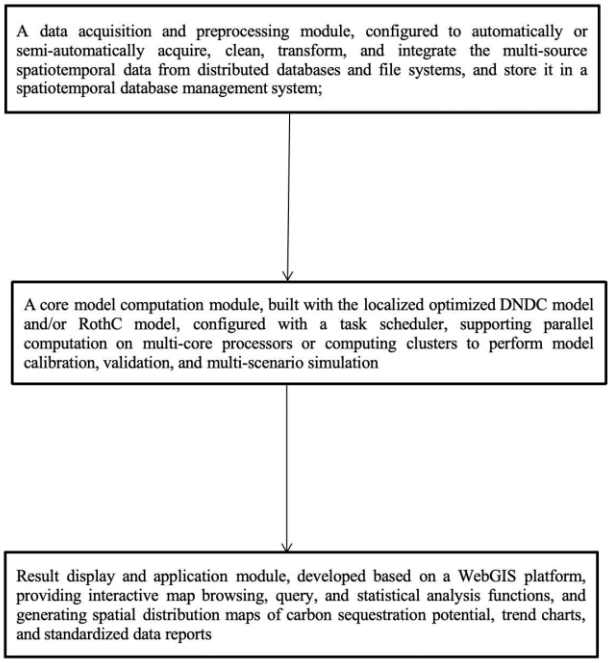
21: 2026/00250. 22: 2026/01/07. 43: 2026/09/03
51: H02J
71: Zhejiang University, School of Electrical Engineering Xi'an Jiaotong University, State Grid Shandong Electric Power Research Institute, State Grid Jiangxi Electric Power Company
72: Xu Feng, Wang Wenting, Liu Yuanlong, Wang Yong, Xu Zheng, Chen Mingliang, Liu Xin, Liu Jing, Feng Dongqin
33: CN 31: 2025104009376 32: 2025-04-01
54: OPTIMIZATION DEPLOYMENT DEFENSE METHODOLOGY AND ASSOCIATED EQUIPMENT FOR ENERGY STORAGE INVERTERS BASED ON TWO-LAYER STACKELBERG GAME
00: -
The invention relates to the technical field of small target detection and identification in electric power industry images, and provides an optimization deployment defense methodology and associated equipment for energy storage inverters based on two-layer Stackelberg game. The method comprises the following steps of: constructing a LinDistFlow

model based on the load power disturbance and reactive power disturbance of each node attacked by LAA; Taking maximizing the voltage deviation of all the attacked nodes in the whole attack period as the first objective function and combining with the first constraint condition, the dynamic model of LAA attack is constructed; Taking minimizing the voltage deviation between the operation cost of energy storage inverter and the attacked node as the second objective function and combining with the second constraint condition, a dynamic model of LAA defense is constructed. Based on the load power disturbance and reactive power disturbance of each node, confidence parameters are introduced to construct an optimization model based on chance constraints; If the defender knows/doesn't know the attacker's injection power, solve the model, use the attacker's data and make the defense strategy in advance.



21: 2026/00294. 22: 2026/01/08. 43: 2026/09/03
51: G06F
71: Liaoning Agricultural and Rural Development Service Center
72: Song Dan
33: CN 31: 2025119497813 32: 2025-12-23
54: A METHOD AND SYSTEM FOR ESTIMATING THE SPATIOTEMPORAL VARIATION OF SOIL ORGANIC CARBON AND ITS CARBON SEQUESTRATION POTENTIAL
00: -

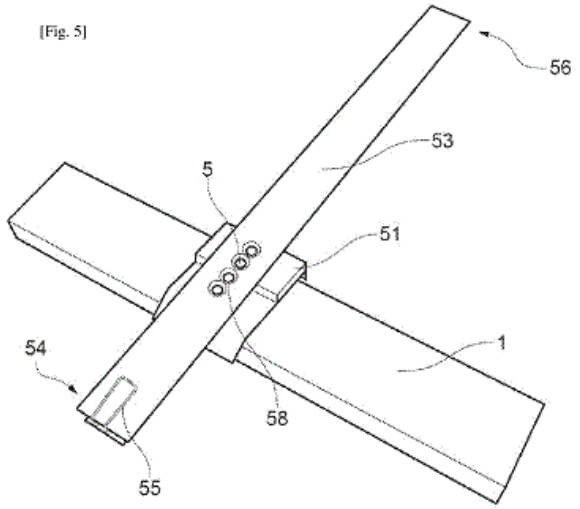
The present invention discloses a method and system for estimating the spatiotemporal variation of soil organic carbon and carbon sequestration potential, relating to the field of soil ecology and agricultural environmental management. This method acquires multi-source spatiotemporal data and performs standardized preprocessing, constructs a localized optimized process model and couples it with a cellular automata model, and after parameter calibration and accuracy verification, sets multiple scenarios to simulate future soil organic carbon storage and calculate carbon sequestration potential, ultimately outputting the results in a visualized form. The corresponding system includes modules for data acquisition and preprocessing, core model computation, and result display and application, integrating decision support functionality. The present invention addresses the problems in the prior art of non-standardized data integration, neglect of carbon spatial migration, and insufficient practicality of results, enhancing the scientific accuracy and reliability of estimations, and providing precise support for regional soil carbon sink management and sustainable agricultural development.



21: 2026/00316. 22: 2026/01/08. 43: 2026/08/19
51: E04D
71: BROATCH, Peter
72: BROATCH, Peter
33: GB 31: 2308968.3 32: 2023-06-15
54: ROOF TILE ATTACHMENT SYSTEM AND METHOD OF TILING A PITCHED ROOF
00: -

The present invention provides a batten mount (51) for attaching to a first batten (1), and an elongate member (53) having a tile-securing part (55) and a fulcrum contact for engaging with a second batten (2), where the batten mount (51) is selectively attachable to the elongate member (53) at either: a first position spaced from the first end by a first distance; or a second position spaced from the first end by a second distance different from the first distance. In this way, the distance between the fulcrum contact and the point at which the elongate member is attached to the batten mount can be selected to correspond to the gauge of the roof, thereby making the roof tile attachment system appropriate for use on a number of different roofs having different gauges.

[Fig. 5]



21: 2026/00339. 22: 2026/01/08. 43: 2026/09/10
51: B65F
71: LARY, Stephan
72: LARY, Stephan
33: ZA 31: 2023/07557 32: 2023-07-31
54: DISPENSER
00: -
A dispenser (10) for dispensing a fluid into a container (18) with a hinged lid (20), the dispenser (10) includes a hanger (129), a fluid reservoir (14), a conduit (32), a sensor (36), a timer and a controller. The hanger (12) comprises: (i) an extendable elongate base (126); and (ii) first (128) and second arms (130) that: (a) are spaced from each other by the base (126); and (b) extend laterally from the base (126). The fluid reservoir (14) is secured to the first arm (128). The conduit (32) extends from the fluid reservoir (14), along the base (126) and terminates in a conduit outlet (34). The sensor (36) senses that the container lid (20) is in: (i) an open condition permitting access to the container mouth (22); or (ii) a closed condition, covering the container mouth (22) and inhibiting access to the container mouth (22). And, the controller regulates discharge of fluid from the fluid reservoir (14) via the conduit (32) in response to feedback from the sensor (36) and the timer.

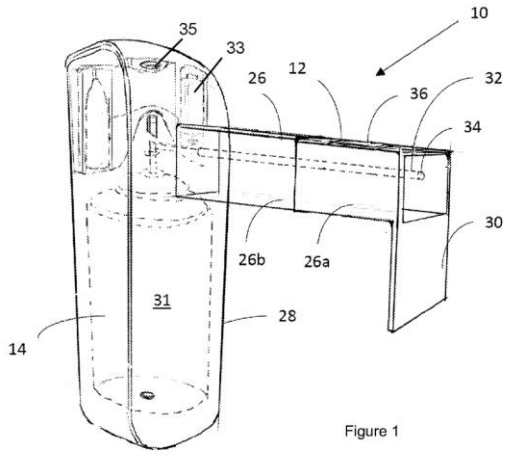


Figure 1

21: 2026/00431. 22: 2026/01/12. 43: 2026/09/07
51: A01B
71: KHAN, Abduljabbar, BEMBALGI, Abhishek
72: KHAN, Abduljabbar, BEMBALGI, Abhishek
33: IN 31: 202341041518 32: 2023-06-19
54: A RETROFITTABLE CULTIVATOR ASSEMBLY
00: -
Disclosed is A Rotaryvator (1) having: a cultivator tyne assembly /primary tiller (4) comprising removable ploughing blade (20); and a secondary tiller assembly (26) connected to the primary tiller (4) as an external assembly configured for unhampering and non-compacting soil tillage operation in a single pass; wherein said primary tiller (4) includes a blade removal mechanism (5) connected between the ploughing blade (20) and a frame (13) of the primary tiller (4); wherein said blade removal mechanism (5) adjusts relative positions of the ploughing blade (20) with the frame (13).

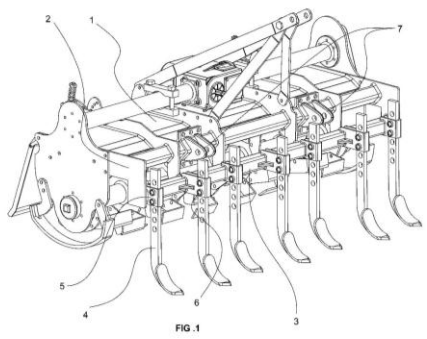
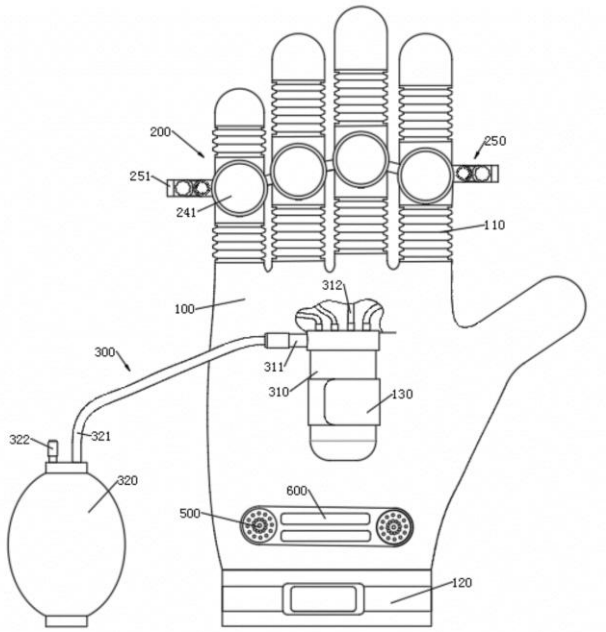


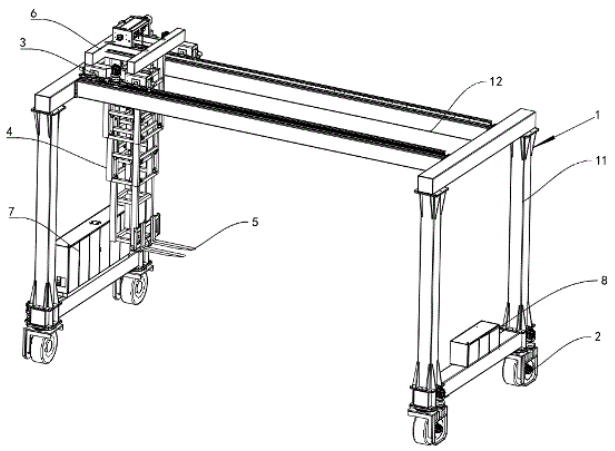
FIG.1

21: 2026/00471. 22: 2026/01/13. 43: 2026/09/07
51: A61H
71: Ningxia Medical University
72: GUO Bin, NA Qianxi, ZHANG Jing, ZHAO Changbin, MA Dong, LIU Dong, REN Hailing, WANG Fei, QIAO Yu, YE Rui, XU Yajing
33: CN 31: 202512028294X 32: 2025-12-30
54: SYNCHRONOUS SIFENG-ACUPOINT BLOODLETTING NEGATIVE PRESSURE GLOVE FOR CHILDREN
00: -
The invention relates to the technical field of medical auxiliary instruments and, in particular, to a synchronous Sifeng-acupoint bloodletting negative pressure glove for children. The glove includes a glove body on which a synchronous bloodletting unit is arranged. The synchronous bloodletting unit includes four first clamping blocks and four second clamping blocks which are respectively arranged on four finger stalls. A guide groove is formed inside each first clamping block, a needle seat is arranged in the guide groove, a bloodletting needle is fixed to a sidewall of the needle seat facing a Sifeng acupoint. According to the invention, by arranging the synchronous bloodletting unit on the glove body, the four Sifeng acupoints can be punctured instantaneously and synchronously when press buttons are pressed. Therefore, the operation time is extremely short, the cumulative pain caused by repeated acupuncture is reduced, the sense of fear and pain is alleviated, and the compliance of child patients is improved. Thanks to the coordinated arrangement of the synchronous bloodletting unit and a negative pressure blood suction unit, after the bloodletting operation is completed, the negative pressure blood suction unit can automatically suck blood, avoiding manual squeezing, reducing the risk of contamination, and facilitating observation and blood collection.



21: 2026/00575. 22: 2026/01/15. 43: 2026/09/07
51: B65D
71: Hangzhou Lingzhi Technology Digital Equipment Co., Ltd
72: Yao Jianping, Shen Jia, Wu Junyu, Zhang Yang, Fan Xiaonan, Yu Shibin, Zhang Lu
33: CN 31: 2025113401408 32: 2025-09-19
54: A STORAGE IN AND OUT DEVICE AND CONTROL METHOD FOR MATERIAL PALLET
00: -
This invention discloses a material pallet warehousing and outbound device, comprising: a movable frame assembly formed by symmetrically arranged vertical frames and a connecting beam attached to the upper end of the vertical frames; a steering drive angle module disposed beneath the vertical frames; lateral movement mechanisms mounted above the connecting beam, with connecting frames interposed between them; a multi-stage lifting mechanism installed on the connecting frames, including: multiple nested lifting frames with relative sliding capability, where the outermost lifting frame's upper end is fixed to the connecting frame, and the lowest lifting frame is equipped with an adjustable fork; traction mechanisms arranged between the lifting frames; and a lifting control mechanism positioned above the connecting frame. The invention reduces warehouse space occupation while enabling flexible material

placement adjustments, demonstrating strong spatial adaptability and operational flexibility.

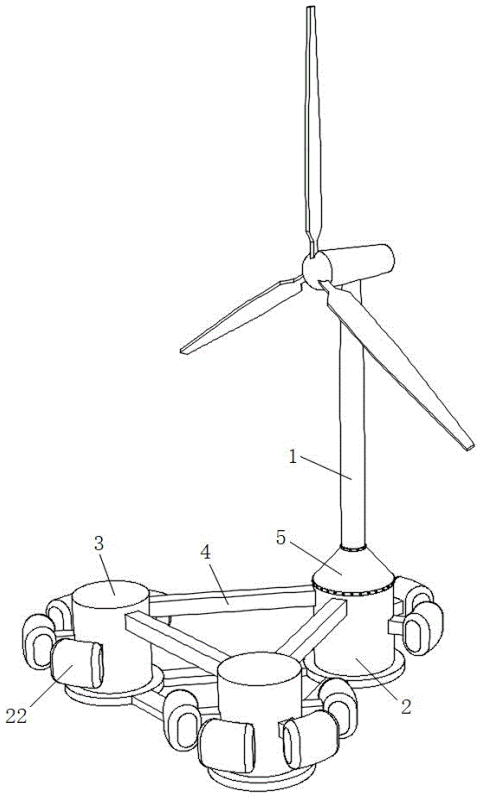


21: 2026/00617. 22: 2026/01/16. 43: 2026/09/08
51: B63B
71: North China Electric Power University, Beijing
Zhongdian Shangming Electromechanical Technology Co., Ltd.
72: Zhang Ning, Geng Yue, Yin Shiyang, Zheng Yonggang, Wang Yixiang, Cheng Zexuan
33: CN 31: 2025104230551 32: 2025-04-07

54: AN OFFSHORE SEMI-SUBMERSIBLE WIND POWER FOUNDATION PLATFORM

00: -

The present invention discloses an offshore semi-submersible wind power foundation platform. The present invention relates to the technical field of offshore wind power. The offshore semi-submersible wind power foundation platform includes a wind turbine tower, an installation column, an auxiliary column, a connecting truss, an elastic waterproof sheet, a first screw, and a second screw. A fixing sleeve is sleeved on the inner surface of the installation column. At the bottom of the inner surface of the installation column, a first buffering device and a buffer pad are provided. The inner wall of the fixing sleeve is fixedly connected with a first connecting member and a second buffering device. The outer surfaces of the installation column and the auxiliary column are both fixedly connected with a wave energy power generation device. The second buffering device includes a third connecting member, the interior of which is rotatably connected with a first connecting cylinder. The inner surface of the first connecting cylinder is provided with a first piston, the outer surface of the first piston is fixedly connected with a first movable rod, and the outer surface of the first movable rod is sleeved with a first spring. The present invention can both reduce the swaying of the wind turbine and utilize wave energy for power generation and storage.



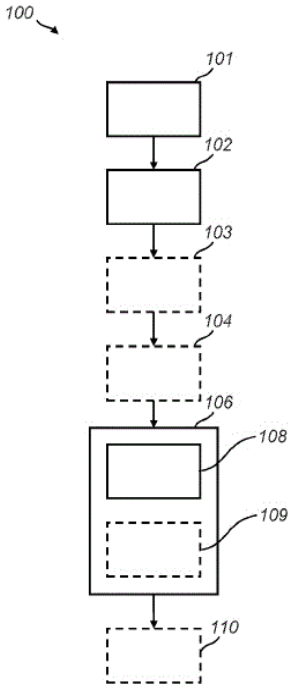
21: 2026/00622. 22: 2026/01/16. 43: 2026/08/19
51: A61K
71: PHARMATHEN S.A.
72: KOUTRIS, Efthymios, SAMARA, Vasiliki, KOUTRI, Ioanna, KALASKANI, Anastasia, KAPETANAKIS, Antonios, PANAGOULIS, Theodoros, FOUSTERIS, Manolis

54: PARENTERAL FORMULATION OF A GLUCAGON-LIKE PEPTIDE-1 ANALOGUE AND METHOD FOR PREPARATION THEREOF

00: -

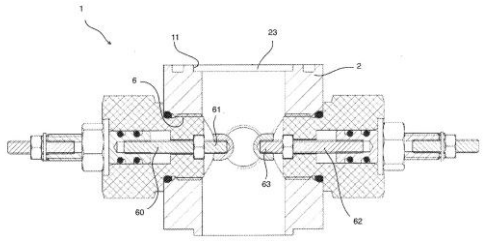
The present invention relates to pharmaceutical compositions for parenteral administration comprising Semaglutide as the active ingredient. The present invention also provides a method of preparation of such composition involving specific manufacturing conditions to ensure finished product quality profile.

21: 2026/00715. 22: 2026/01/19. 43: 2026/08/19
51: H04N
71: GENIUS SPORTS SS, LLC
72: GUILBERT, Pierre, Claude, Thierry, UHLENBROCK, Ryan, Martin, OESCHGER, Cynthia, DUBOUT, Charles, Xavier, Quentin, BEN SHITRIT, Horesh, Beny
33: US 31: 63/357,979 32: 2022-07-01
54: AUTOMATIC ALIGNMENT OF VIDEO STREAMS
00: -
Methods and systems for determining a time offset between a first video stream and a second video stream that depict a sporting event. Depictions of a first kind of visually distinctive activity are identified in the first and second video streams. The time offset between the two video streams is determined at least in part by comparing the depictions of the first kind of visually distinctive activity in the first video stream with those in the second video stream.



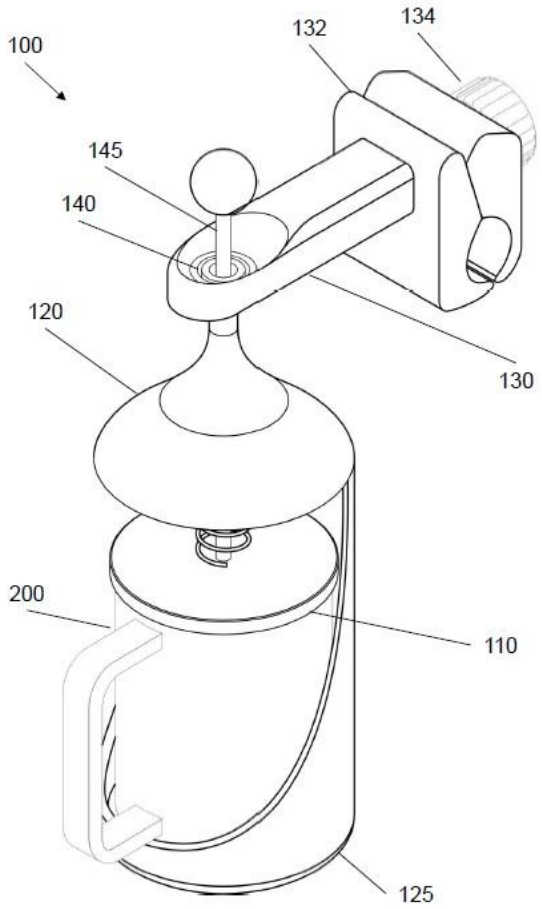
21: 2026/00723. 22: 2026/01/19. 43: 2026/08/12
51: A61K; C07K
71: BICYCLETX LIMITED
72: BESWICK, PAUL, CHEN, LIUHONG, MUDD, GEMMA ELIZABETH, PARK, PETER, VAN RIETSCHOTEN, KATERINE, RIGBY, MICHAEL, BLAKEMORE, STEPHEN, GELB, TARA, KEEN, NICHOLAS
33: GB 31: 1815684.4 32: 2018-09-26
33: GB 31: 1904632.5 32: 2019-04-02
33: GB 31: 1818499.4 32: 2018-11-13
33: GB 31: 1810250.9 32: 2018-06-22
54: BICYCLIC PEPTIDE LIGANDS SPECIFIC FOR NECTIN-4
00: -
The present invention relates to polypeptides which are covalently bound to molecular scaffolds such that two or more peptide loops are subtended between attachment points to the scaffold. In particular, the invention describes peptides which are high affinity binders of Nectin-4. The invention also includes drug conjugates comprising said peptides, conjugated to one or more effector and/or functional groups, to pharmaceutical compositions comprising said peptide ligands and drug conjugates and to the use of said peptide ligands and drug conjugates in preventing, suppressing or treating a disease or disorder mediated by Nectin-4.

21: 2026/00731. 22: 2026/01/19. 43: 2026/09/09
51: H02N
71: PROMETHEUS S.P.A.
72: MIGLIETTA, Carlo, CALZAVARA, Dario, ARRU, Marco, PETRUCCI, Fabrizio
33: IT 31: 102023000014970 32: 2023-07-18
54: ENERGY GENERATION, TRANSFORMATION AND STORAGE APPARATUS AND PROCESS
00: -
An energy generation, transformation and storage apparatus comprises a reaction chamber (2) defining within it a sealed space suitable for receiving an extraction energy source, a pair of electrodes (60, 62) whose ends (61, 63) are arranged facing the sealed inner space of the reaction chamber (2), and an energy transformation system (23, 16) configured to extract usable work from the energy extraction source to which electrical energy is applied. The apparatus also comprises an energy accumulator (20) connected to one of the two electrodes (60, 62) and an electrical discharge device (30) connected to the other one of the two electrodes (60, 62).



21: 2026/00775. 22: 2026/01/20. 43: 2026/09/09
51: A61K
71: THE REGENTS OF THE UNIVERSITY OF MICHIGAN
72: THOENE, Jess, GAVIN, Robert
33: US 31: 63/024,284 32: 2020-05-13
33: US 31: 63/024,974 32: 2020-05-14
54: CYSTEAMINE FOR THE TREATMENT OF SARS-COV-2 INFECTION
00: -
Provided herein are methods for the treatment and prevention of viral infections (e.g., coronavirus infections (e.g., severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), etc.), etc.) and diseases (e.g., Coronavirus disease 2019 (COVID-19)) associated therewith by the administration of cysteamine or derivatives thereof to a subject.

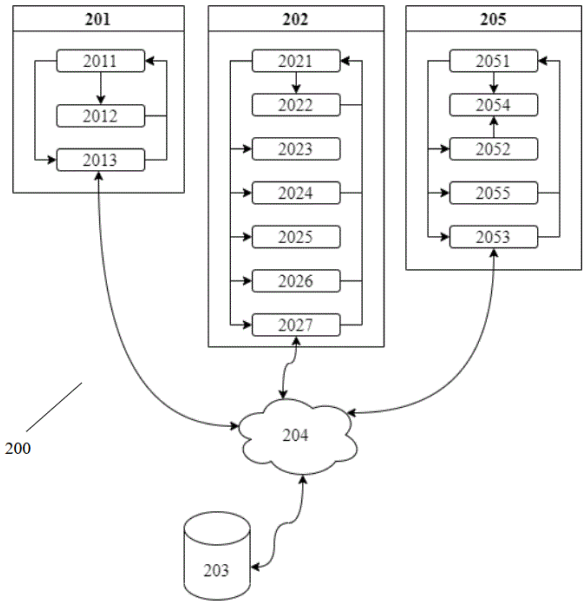
21: 2026/00780. 22: 2026/01/20. 43: 2026/09/09
51: A47G
71: MEINTJES, Robert Peter Wessel
72: MEINTJES, Robert Peter Wessel
54: SUPPORT DEVICE FOR A CONTAINER
00: -
A support device for a container is provided. The device may comprise a cradle structure and an attachment arrangement. The attachment arrangement may be configured for the cradle structure to be attached to an external structure. The cradle structure may include a base portion configured to receive the container. The cradle structure may include a biased securing component configured to secure the container on the base portion. The cradle structure may include a sealing member configured to form a seal with a portion of the container. The attachment arrangement may include a self-orientating mechanism configured to support the cradle structure.



21: 2026/00796. 22: 2026/01/20. 43: 2026/09/09
51: A61K
71: LIQMEDS WORLDWIDE LIMITED
72: UMRETHIA, Manish, PATEL, Chintan
33: IN 31: 202321049529 32: 2023-07-22
54: A READY-TO-USE ORAL LIQUID FORMULATION OF WARFARIN SODIUM
00: -
Disclosed herein is a ready-to-use oral liquid formulation comprising warfarin sodium, as well as methods of manufacture and use.

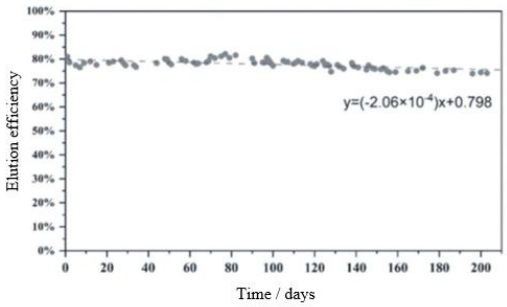
21: 2026/00806. 22: 2026/01/21. 43: 2026/10/06
51: A61J; G06F
71: KRAVCHENKO Alexander Aleksandrovich
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110942 32: 2025-04-26
54: COMPUTER DEVICE FOR DATABASE GENERATION
00: -
The proposed invention relates to methods and means for storing and distributing 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.

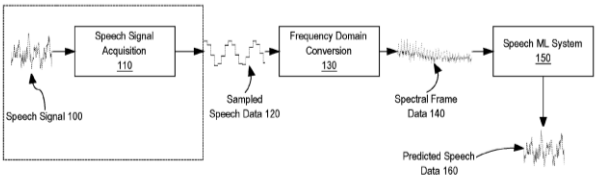


21: 2026/00834. 22: 2026/01/21. 43: 2026/09/10
51: A62C; C06C
71: HUBEI JIANDUN FIRE TECHNOLOGY CO., LTD.
72: HUANG, Rui, LU, Fagui, LIU, Xinyu, ZOU, Beibei, WANG, Qi, ZHAO, Heng
33: CN 31: 202310805484.6 32: 2023-07-03
54: HIGH-TEMPERATURE THERMAL INITIATOR AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
A high-temperature thermal initiator and a preparation method therefor and use thereof. Raw materials such as an oxidant, a reducing agent, and a binder are prepared into slurry which is then applied to a lead and dried, to obtain an ingredient core. Finally, the ingredient core is wound with a line sheath and coated with a moisture-proof curing adhesive to prepare a high-temperature thermal initiator with a sensing temperature of 350C plus/minus 50C. The high-temperature thermal initiator can be applied to an application scenario that is gradually heated up and has a high ignition temperature, such as an energy storage power station, so that a fire extinguishing device is quickly activated to implement fire extinguishing after fire occurs, thus ensuring optimal fire extinguishing performance and avoiding a major disaster caused by the impact, on a fire extinguishing effect, of settlement or escape of a fire extinguishing medium due to early activation of the fire extinguishing device.

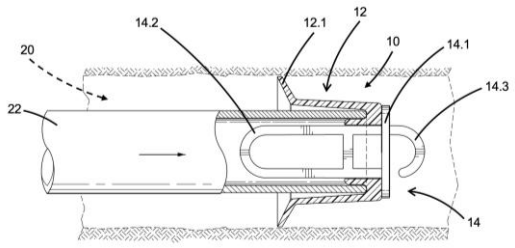
21: 2026/00864. 22: 2026/01/21. 43: 2026/09/10
51: B01D
71: CHENGDU NEW RADIOMEDICINE TECHNOLOGY CO., LTD.
72: HU, Xiaoyang, ZHANG, Shuang, HU, Renxin, JIANG, Dengrong, WU, Jie, TAN, Wenjing, LIU, Fang, GE, Qiang, CAI, Jiming
33: CN 31: 202311178638.X 32: 2023-09-13
33: CN 31: 202311178636.0 32: 2023-09-13
54: ADSORBENT FOR GERMANIUM [^{68}GE]-GALLIUM [^{68}GA] GENERATOR, PREPARATION METHOD THEREFOR AND GERMANIUM [^{68}GE]-GALLIUM [^{68}GA] GENERATOR
00: -
An adsorbent for a germanium [^{68}Ge]-gallium [^{68}Ga] generator, a preparation method therefor and a germanium [^{68}Ge]-gallium [^{68}Ga] generator. The adsorbent is used for adsorbing ^{68}Ge element; the adsorbent comprises a plurality of titanium dioxide particles, and the plurality of titanium dioxide particles have a specific surface area of from 30 m^2/g to 100 m^2/g; the titanium dioxide particles consist of a plurality of nanoparticles, and the plurality of nanoparticles have an average particle size of from 10 nm to 100 nm; the nanoparticles comprise mesopores having a pore size of from 5 nm to 30 nm.



21: 2026/00911. 22: 2026/01/22. 43: 2026/09/11
51: G06F; G10L
71: KRISP TECHNOLOGIES, INC.
72: SARGSYAN, Stepan, KOBELYAN, Artur, GALOYAN, Levon, HAKOBYAN, Kajik, SHAHBAZYAN, Rima, BAGHDASARYAN, Daniel, HASRATYAN, Ruben, HAKOBYAN, Nairi, ALEKSANYAN, Hayk, TONOYAN, Tigran, HOVSEPYAN, Aris
33: US 31: 63/528,251 32: 2023-07-21
54: PRE-TRAINED MACHINE LEARNING MODELS FOR REAL-TIME SPEECH FORM CONVERSION
00: -
Techniques are described for generating parallel data for real-time speech form conversion. In an embodiment, based at least in part on input speech data of an original form, a speech machine learning (ML) model generates parallel speech data. The parallel speech data includes the input speech data of the original form and temporally aligned output speech data of a target form different than the original form. Each frame of the input speech data temporally corresponds to the corresponding output speech frame of the target speech form and contains a same portion of the particular content. The techniques further include training a teacher machine learning model that is offline and is substantially larger than a student machine learning model for converting speech form. Transferring "knowledge" from the trained Teacher model for training the Production Student Model that performs the speech form conversion on an end-user computing device.

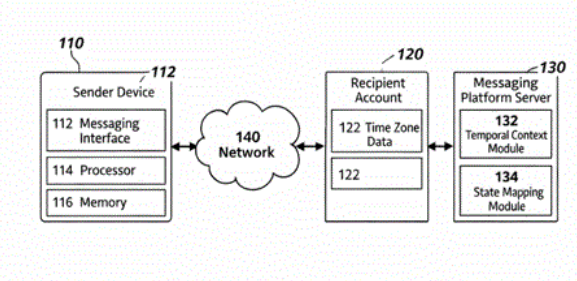


21: 2026/00991. 22: 2026/01/23. 43: 2026/09/11
51: F42D
71: STEEL KING TRUST
72: FOURIE, Johan Jacques
33: ZA 31: 2025/00258 32: 2025-01-08
54: EXPLOSIVE CHARGE TAMPING
00: -
This invention relates to explosive charge tamping. In particular, the invention relates to a tamping device suitable for insertion into a drilled hole in a rock face for blasting operations. The tamping device includes tamping cup with a circumferential flange extending radially outwards from a rim of the tamping cup and a slot in a base of the tamping cup permitting an extractor hoop to protrude therethrough. The circumferential flange receives the blasting wire and is angled relative to the rim for easy insertion into the blast hole. The tamping device further includes a tamping insert defining a disk with an extractor hoop extending at a right angle from the disk. The tamping cup is engageable with the tamping insert so that the extractor hoop is receivable through the slot in the tamping cup to protrude through the base slot of the tamping cup.

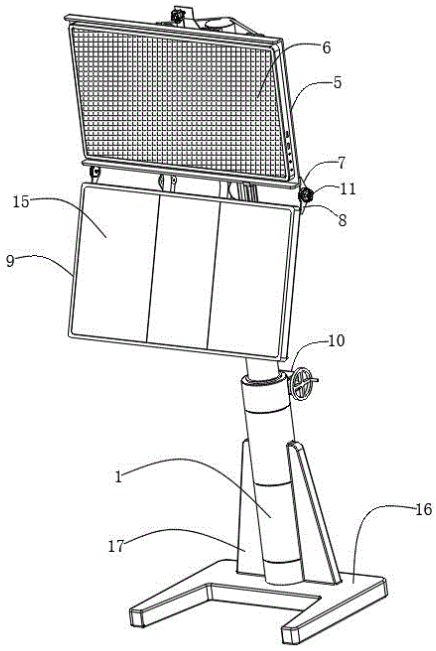


21: 2026/01036. 22: 2026/01/26. 43: 2026/09/14
51: G06F
71: Kimi Isaac Onana
72: Kimi Isaac Onana
54: CONTEXT-AWARE TEMPORAL MESSAGING SYSTEM AND METHOD
00: -
This invention relates to computer-implemented electronic messaging systems and, more

particularly, to systems and methods for dynamically adapting messaging interfaces and message transmission workflows based on recipient-local temporal context.



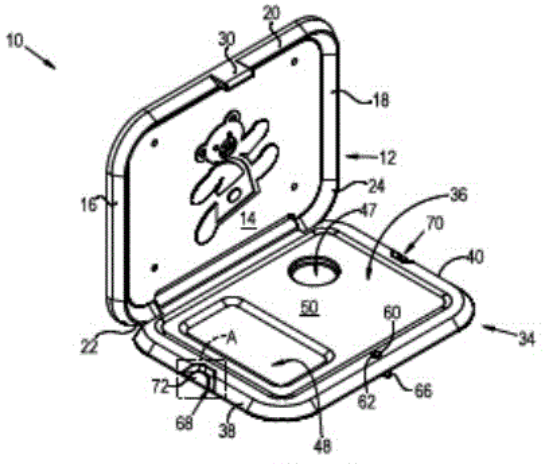
21: 2026/01041. 22: 2026/01/26. 43: 2026/09/14
51: F16M
71: Xingzhi College Zhejiang Normal University
72: Xixi Ye, Conghao Xu, Sike Wang, Zexu Lian
54: A MULTIFUNCTIONAL DISPLAY DEVICE FOR PRODUCING FILM AND TELEVISION ANIMATION
00: -
The present invention relates to the technical field of animation display, and discloses a multifunctional display device for producing film and television animation, comprising: a bottom support base and a support rod, wherein the support rod is rotatably connected inside the bottom support base through a bearing, and a top end of the support rod extends outside the bottom support base; a display assembly, wherein the display assembly is fixedly mounted at the top end of the support rod and comprises a U-shaped mounting plate for mounting a display screen and a film and television display screen fixed inside the U-shaped mounting plate; and an angle-adjustable reference placement assembly, wherein the angle-adjustable reference placement assembly is arranged at the bottom of the U-shaped mounting plate. Personnel loosen a locking bolt and push a placement connecting plate to adjust an angle, so that a reference object and the content on the display screen are located on the same visual plane, and then the angle is locked by tightening the bolt. During production or review, personnel can view the animation content through the display screen and perform real-time comparison with the reference object, thereby effectively realizing the functions of clear display of animation content, flexible adjustability of the reference object, and stable comparison.



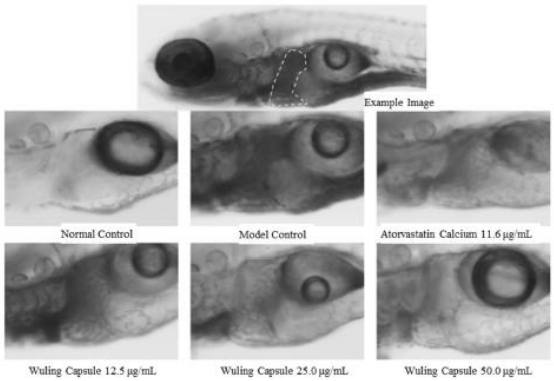
21: 2026/01042. 22: 2026/01/26. 43: 2026/09/14
51: G08B
71: Kunming University of Science and Technology
72: Yanhui Guo, Kuo Yao, Bingqing Ma, Qin Song, Shuangming Yang, Zewen Zhang, Xiaobing Fu, Zhusheng Yang, Guosuo Zou, Wenjie Xu, Jun Wang, Liangshuai Shen, Hanhua Xu, Yong Niu, Yichen Miao, Jianrong Ding, Guoneng Bao, Yanming Feng, Wei Xu, Wei Zhang, Xueneng Li
54: A METHOD FOR GRADING AND WARNING OF TUNNEL WATER GUSHING DISASTERS IN ACTIVE FAULT ZONES BASED ON DYNAMIC FUSION OF MULTI-SOURCE INFORMATION AND SELF-LEARNING
00: -
The present invention relates to the technical field of disaster early warning, and specifically to a method for grading and warning of tunnel water gushing disasters in active fault zones based on dynamic fusion of multi-source information and self-learning. Firstly, static geological parameters such as fault activity, rock mass quality, and hydraulic conditions, as well as dynamic monitoring parameters such as surrounding rock displacement, water inflow volume, and microseismic energy are collected and standardized. Then, a comprehensive risk index is dynamically calculated through a weighted fusion model, where the weights are adaptively adjusted according to the distance between the working face and the fault zone. Subsequently, the risk level is

automatically determined based on preset thresholds, triggering corresponding early warning signals and construction equipment control instructions. Finally, the system establishes an early warning case library and calculates the prediction deviation to feedback-optimize the key parameters in the risk assessment model. The present invention realizes the precise quantification of disaster risks, intelligent linkage of early warning responses, and continuous evolution of model performance.

21: 2026/01045. 22: 2026/01/26. 43: 2026/09/14
51: A47B; A47F; A47G; A47K
71: BUDDY TRAY (PTY) LTD.
72: MULLER, Jean-Pierre, ENGELBRECHT, Morgan Leon
33: ZA 31: 2025/01085 32: 2025-02-04
54: FOLDABLE STORAGE TRAY
00: -
The present invention relates to a foldable storage tray system moveable between a deployed configuration and a stowed configuration, the system comprising: a mounting component configured for mounting to a supporting surface; and a tray body pivotally connected to the mounting component by a hinge mechanism, the hinge mechanism defining a pivot axis enabling the tray body to pivot relative to the mounting component; characterised by a locking means configured to selectively secure the tray body to the mounting component in the stowed configuration.

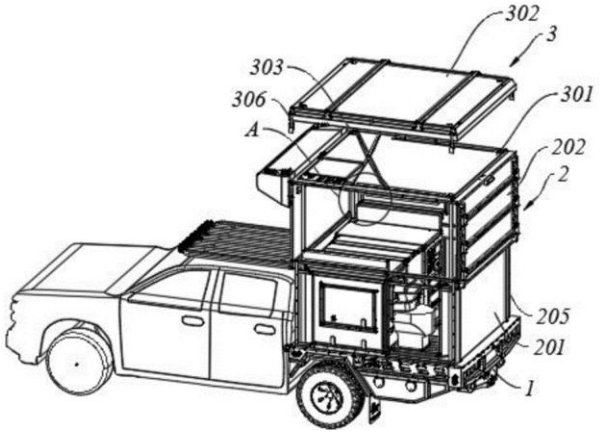


21: 2026/01054. 22: 2026/01/26. 43: 2026/10/06
51: A61K; A61P
71: TSING HUA DE REN XI'AN XINGFU PHARMACEUTICAL CO. LTD.
72: DU, Chengqiang
33: CN 31: 202310919939.7 32: 2023-07-25
33: CN 31: 202410263883.9 32: 2024-03-07
54: USE OF WULING FORMULATION IN THE PREPARATION OF DRUG FOR PREVENTING OR TREATING NON-ALCOHOLIC FATTY LIVER DISEASE
00: -
The use of a Wuling formulation in the preparation of a drug for preventing or treating non-alcoholic fatty liver disease. Effective medicine components of the Wuling formulation comprise radix bupleuri, glossy ganoderma, radix salviae miltiorrhizae and fructus schisandrae chinensis. Said formulation has simple components, but the four medicines are synergistic and play an effective role in preventing or treating non-alcoholic fatty liver disease.



21: 2026/01075. 22: 2026/01/27. 43: 2026/09/14
51: G05D
71: WEIHAI TRANSE VEHICLE CO., LTD.
72: Chengfeng Bi, Peng Lin, Xiaobo Wang, Jiale Jiang, Chenhui Liu
33: CN 31: 2025210783302 32: 2025-05-29
54: TWO-STORY ELECTRICALLY OPERATED LIFTING CARAVAN
00: -
The present invention provides a two-story electrically operated lifting caravan, including: a frame, a liftable caravan assembly, and a foldable caravan assembly. The liftable caravan assembly is fixedly mounted above the frame. The liftable caravan assembly includes a lower cabinet. An upper cabinet is slidably fitted onto the outer side of the lower cabinet. A plurality of sets of electric lifting rods are evenly distributed and fixedly mounted

above the frame. The foldable caravan assembly is fixedly mounted above the upper cabinet. The foldable caravan assembly includes a mounting base plate. A top plate is arranged above the mounting base plate. A plurality of sets of electric lifting rods are mounted below the top plate. The two-story electrically operated lifting caravan disclosed in the present invention adopts a double-layer design, which increases the expansion space of the caravan and improves the user comfort. The use of electrically operated lifting improves the efficiency, convenience, precision, and stability of controlling the caravan expansion.

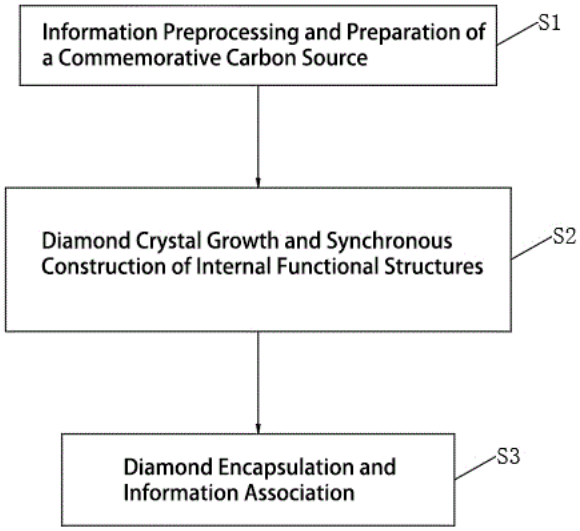


21: 2026/01079. 22: 2026/01/27. 43: 2026/09/14
51: C04B
71: Henan Liumianding New Material Technology Co., Ltd.
72: Yunhua Li, Jian Chen, Nanyang Ma, Pengxu Xia, Caiyun Pan

54: AN AI-INTELLIGENT RFID COMMEMORATIVE ARTIFICIAL DIAMOND JEWELRY BASED ON BIOGENIC CARBONIZED MATERIALS AND A PREPARATION METHOD THEREOF

00: -

The present invention discloses an AI-intelligent RFID commemorative artificial diamond jewelry based on biogenic carbonized materials and a preparation method thereof, and specifically relates to the interdisciplinary technical field of novel materials, artificial intelligence, and microelectronics. The method comprises: integrating biomass of a commemorative subject with an information-carrying material encoding its digital information to form a commemorative carbon source; growing a diamond using the carbon source, while synchronously constructing within the crystal a micro-encoded lattice composed of defect color centers and a miniature passive RFID unit; and finally encapsulating the product and associating it with an AI system. The prepared diamond internally integrates the functional layers, and the jewelry comprises the diamond, a setting, and a cloud-based interactive system. The present invention realizes the fusion of commemorative information into the atomic carbon source and the functional integration within the diamond, providing a unique, reliable, and emotionally interactive intelligent commemorative solution.

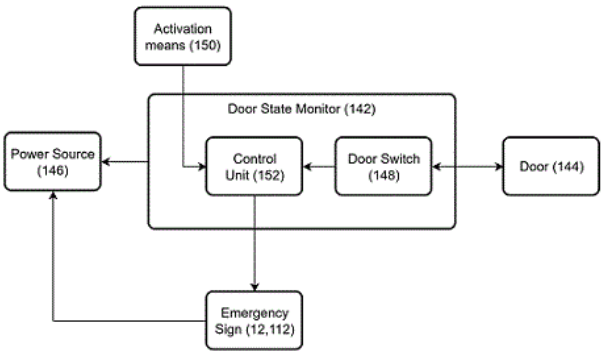


21: 2026/01119. 22: 2026/01/28. 43: 2026/08/19
51: B60Q; G08B; B60R
71: CRIME IN PROGRESS SECURITY SOLUTIONS IP (PTY) LTD
72: ROESTOFF, Maryne, VAN DEN BERG, Henlo, Gert

54: AN EMERGENCY NOTIFICATION DEVICE

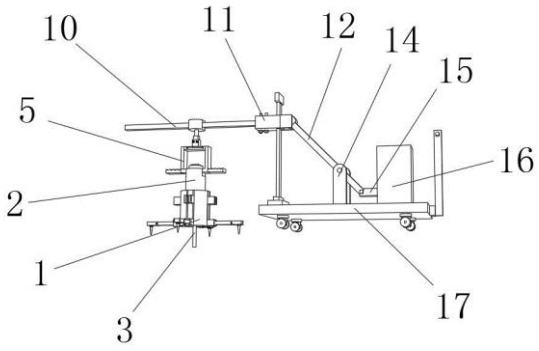
00: -

The emergency notification device includes an emergency sign mountable on a vehicle, and a revealing means, in the form of a door state monitor for monitoring a state of a door of the vehicle, for allowing the emergency sign to be revealed to an observer outside the vehicle for notifying the observer of an emergency in a discreet manner.



21: 2026/01134. 22: 2026/01/28. 43: 2026/09/15
51: C12Q
71: Zhejiang ALWSCI Technologies Co., Ltd.
72: Jianfeng Zhu, Hengsheng Tian, Mengfei Chen
54: HIGH-SEALABILITY MODIFIED RUBBER COMPOSITION AND SEPTUM PREPARED USING SAME
00: -
This application belongs to the technical field of vial septum synthesis. Provided is a high-sealability modified rubber composition and a septum prepared using the same. The high-sealability modified rubber composition includes the following raw materials in parts by weight: 100 parts of a fluororubber raw rubber, 2.5 parts to 4 parts of zinc oxide, 5 parts to 10 parts of carbon black, 15 parts to 25 parts of a filler, 10 parts to 20 parts of a puncture-resistant filler composition, 3.5 parts to 5 parts of a crosslinking agent, 5 parts to 15 parts of an acid scavenger, 1.2 parts to 2 parts of dicumyl peroxide, 0.5 part to 2 parts of a dispersant, and 0.5 part to 1 part of a release agent. The puncture-resistant filler composition is prepared from a fluorinated aramid nanofiber (ANF) and a flaky filler. The septum provided in this application includes an outer septum layer and a self-healing silicone inner seal. The outer septum layer exhibits excellent puncture-resistant sealing performance. The self-healing silicone inner seal possesses a puncture wound-healing capability. Thus, the septum can be recycled, which reduces the cost of chromatographic detection.

21: 2026/01148. 22: 2026/01/28. 43: 2026/09/15
51: F16M
71: Ji'an College
72: Zheng Wang, Liling Liu, Hongling Xu, Wenwen Hu, Lijing Lai
54: PORTABLE DATA ACQUISITION TERMINAL FOR DIGITAL AND INTELLIGENT TEACHING OF RURAL INDUSTRIES
00: -
The present invention relates to the technical field of agricultural data collection, and discloses a portable data acquisition terminal for the digital and intelligent teaching of rural industries. In the present invention, a detection assembly composed of a platform sleeve, a sliding sleeve, a built-in probe, and an external wiring port is used to be placed at a corresponding position to be detected, wherein the platform sleeve and the sliding sleeve are slidable relative to each other, and the built-in probe arranged in the sliding sleeve penetrates the soil and is inserted therein, and is connected to an external device through the external wiring port at the upper end to perform data detection. A manual force application assembly connected to the sliding sleeve, including a force application frame, a foot pedal, and a handle, facilitates manual transportation to softer soil locations, while at harder soil locations an external pressurizing device is dragged over and mechanical power is transmitted to the detection assembly through a connecting insertion sleeve, a transverse insertion block, and an auxiliary pressure rod, so as to better accomplish soil penetration.



21: 2026/01194. 22: 2026/01/29. 43: 2026/10/05
51: G10H
71: AZOTEQ HOLDINGS LIMITED
72: VENTER, Mike, RADEMAN, Marco, WOLMARANS, Wikus
33: ZA 31: 2025/00992 32: 2025-01-30
54: INTELLIGENT MUSICAL KEYBOARD MODULE
00: -

Disclosed herein is an intelligent musical keybed sensor module to obtain musical key press information, said module comprising a module controller connected to a host controller that is external to said module, at least one sensor IC communicatively connected to the module controller, at least one sensor element communicatively connected to the at least one sensor IC, and wherein the at least one sensing element is influenced by an interfering member attached to a musical key to obtain key press information. The module may easily be calibrated using a one-step or two-step procedure. The module may further comprise at least one proximity sensor to enable or disable sensor subroutines based on whether a user is present or not. Sensing element technology may include inductive, capacitive, magnetic or similar sensors.

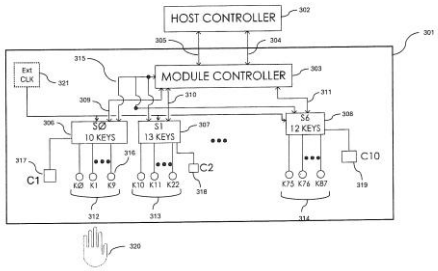
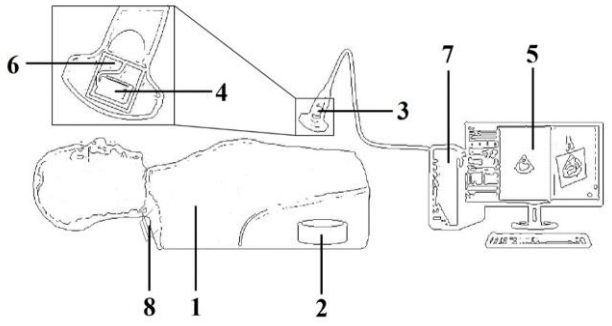
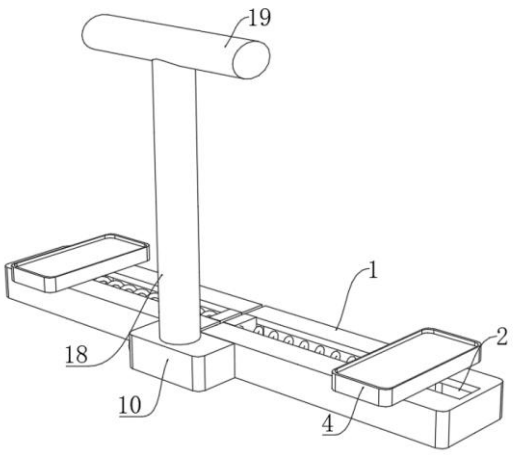


Figure 3 - Intelligent MKB Sensor Module block diagram.

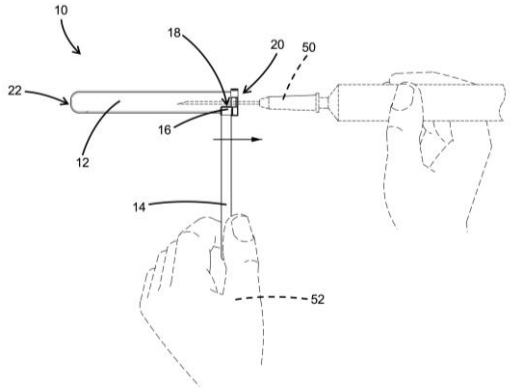
21: 2026/01236. 22: 2026/01/30. 43: 2026/09/16
51: G09B
71: South China University of Technology
72: Wang Heng, Liu Suqi, Dong Shuda, Zhang Xinlei
54: A VIRTUAL SIMULATION SYSTEM AND METHOD FOR MEDICAL ULTRASOUND OPERATION TRAINING
00: -
The present invention discloses a virtual simulation system and method for medical ultrasound operation training. The system comprises: a simulated patient model; a magnetic field generation module for generating a direct current magnetic field; a simulated ultrasound probe including a sensor module, wherein the pose of the sensor module is used to represent the pose of the simulated ultrasound probe; an ultrasound probe fixing bracket for initializing the pose of the simulated ultrasound probe; and an upper computer, installed with a virtual ultrasound image generation system that includes medical image analysis software and a three-dimensional digital model of human organs, and is configured to display corresponding organ ultrasound sectional images based on the real-time pose of the simulated ultrasound probe. By employing a single electromagnetic source and a single magnetic sensor combined with an inertial measurement unit, the invention simplifies the complexity of traditional magnetic positioning systems, thereby realizing a reliable, stable, and convenient virtual simulation system for ultrasound operation training at low cost. The present invention can be widely applied in the technical field of medical education equipment.



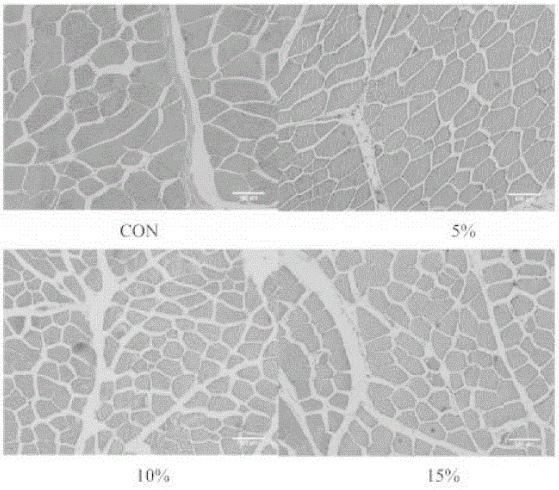
21: 2026/01237. 22: 2026/01/30. 43: 2026/09/16
51: A63B
71: Chaohu University
72: Lijuan SONG, Xiang ZHONG
54: STRETCHING AUXILIARY DEVICE FOR SPORTS
00: -
The present invention discloses a stretching auxiliary device for sports, comprising a base plate, two base plates are rotatably connected through a rotating shaft, a top of the base plate is provided with a sliding groove, a sliding block is slidingly connected in the sliding groove, a top of the sliding block is fixedly connected with a pedal, and a top of the pedal is fixedly connected with an anti-slip pad. A bottom of the two base plates is each provided with a card slot, a metal sheet is fixedly connected in a left card slot, and a magnet sheet is fixedly connected in a right card slot. In the present invention, a folded state can be maintained through an adsorption effect between the magnet sheet and the metal sheet in the card slots at the bottom in a normal state; which is convenient for storage.



21: 2026/01241. 22: 2026/01/30. 43: 2026/09/16
51: A61B; A61M
71: DU PLOOY, Johann
72: DU PLOOY, Johann
33: ZA 31: 2025/01084 32: 2025-02-04
54: SHARPS SAFETY
00: -
This invention relates to sharps safety. Specifically, the invention relates to a medical sharp recapping device for recapping medical sharps and a sharps safety accessory. The medical sharp recapping device includes a medical sharp sheath, shaped and dimensioned to selectively reveal and to recap a medical sharp along a longitudinal axis relative to the medical sharp and a selectively deployable handle extendible in a transverse direction relative to a longitudinal axis of the medical sharp sheath, for providing a grip onto the medical sharp sheath such that a hand of a user is not in line with the longitudinal axis of the medical sharp. The sharps safety accessory includes a medical sharp sheath connector, a selectively deployable handle and a structural junction, wherein the sharp safety accessory in use is configured to fit onto a standard medical sharp sheath.

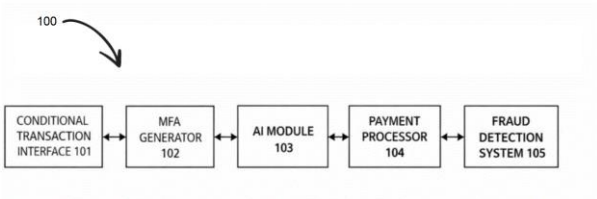


21: 2026/01244. 22: 2026/01/30. 43: 2026/09/16
51: A23K
71: Shanxi Agricultural University
72: Zhao Yan
54: LOW-PROTEIN TYPE RED DATE-CITRUS PEEL-ASTRAGALUS COMPOUND FEED AND ITS APPLICATION
00: -
The present invention provides a low-protein type red date-citrus peel-astragalus compound feed and its application. The invention replaces part of soybean meal and corn with red date to prepare the feed, which has high contents of polysaccharides, total flavonoids, and polyphenols. Using this low-protein red date feed to feed commercial pigs can effectively improve pork quality, providing new ideas for the research and development of antibiotic-free feed.



21: 2026/01259. 22: 2026/01/30. 43: 2026/09/18
51: G06Q

71: Affordable Brands Importers (Pty) Ltd
72: Gary Flax, Ashton Flax, Ella Flax
33: US 31: 63/751,387 32: 2025-01-30
54: CONDITIONAL PAYMENT, BONUS AND BIDDING SYSTEM CROSS-REFERENCE TO RELATED APPLICATIONS
00: -
A system for conditional payments and bidding includes a task definition interface to receive predefined conditions from a task payer, an artificial intelligence module to generate personalized recommendations, a validation engine to monitor real-time data including GPS coordinates and accelerometer data to generate validation signals, and a payment processing module to execute payments upon receipt of the validation signals. The system further includes multi-factor authentication token generation encapsulating task metadata, multi-gateway payment processing with fallback mechanisms supporting traditional currencies, cryptocurrencies, and non-monetary rewards, and real-time currency conversion for international transactions. A dynamic bidding engine supports open, sealed, and dynamic bidding with AI-driven bid analysis and bid success probability prediction. Fraud detection employs machine learning anomaly detection and clustering algorithms, an optional blockchain logger provides immutable transaction records, a user ranking engine evaluates performance and updates reputation scores, and visual evidence validation with embedded geolocation metadata enables proof-of-completion without physical inspection.



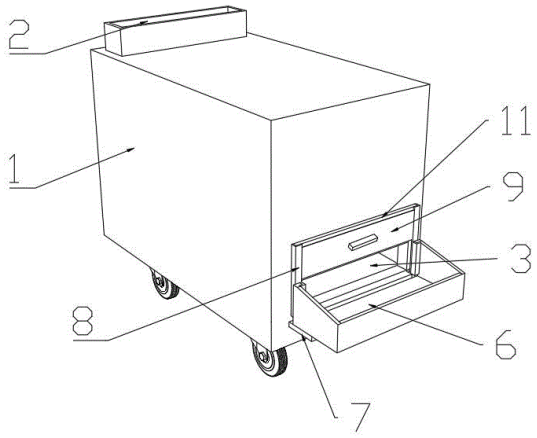
21: 2026/01281. 22: 2026/01/30. 43: 2026/09/25
51: A61K
71: SHANGHAI NINTH PEOPLE'S HOSPITAL, SHANGHAI JIAOTONG UNIVERSITY SCHOOL OF MEDICINE
72: Chenfang ZHU, Yantao CAI
33: CN 31: 202410585843.6 32: 2024-05-11
33: CN 31: 202410917422.9 32: 2024-07-09
33: CN 31: 202411796894.X 32: 2024-12-06
54: USE OF POLIDOCANOL IN PREPARATION OF DRUG FOR TREATING AXILLARY OSMIDROSIS BY MEANS OF DIFFUSE GRID SUBCUTANEOUS MULTI-POINT CONTINUOUS INJECTION ADMINISTRATION
00: -
Use of polidocanol in the preparation of a drug for treating axillary osmidrosis by means of diffuse grid subcutaneous multi-point continuous injection administration. The polidocanol is a polidocanol injection, wherein each milliliter of the injection contains 5-30 mg of polidocanol. A drug for treating axillary osmidrosis by means of diffuse grid subcutaneous multi-point continuous injection administration, comprising polidocanol and a pharmaceutically acceptable auxiliary material.

21: 2026/01282. 22: 2026/01/30. 43: 2026/09/17
51: B01J; C10G
71: PETROCHINA COMPANY LIMITED
72: DUAN, Hongchang, HU, Xiaoli, LIU, Chaowei, LIU, Tao, LU, Tong, JING, Li, CAO, Gengzhen, ZHENG, Yunfeng, SU, Yi, TAN, Zhengguo
33: CN 31: 202310812381.2 32: 2023-07-04
54: CATALYTIC CRACKING CATALYST, AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
A catalytic cracking catalyst, and a preparation method therefor and the use thereof. The catalytic cracking catalyst comprises a catalytic cracking active component, wherein the catalytic cracking active component comprises: a rare-earth-modified molecular sieve, a phosphorus oxide and a magnesium oxide. The content of SO42- in the rare-earth-modified molecular sieve is less than or equal to 1 wt%, and the crystallinity of the rare-earth-modified molecular sieve is 50-80%; and the rare earth content in the rare-earth-modified molecular sieve is 5-20 wt% calculated by RE2O3. By means of using a rare-earth-modified molecular sieve having a low sulfate radical, high crystallinity, strong acidity and good stability and a phosphorus source and a magnesium source in cooperation, the catalytic cracking catalyst has the characteristics of good activity stability, a high heavy oil conversion rate and a high diesel oil yield, such that the catalyst is particularly suitable for heavy oil catalytic cracking, and during a heavy oil catalytic cracking process,

same can exhibit a relatively high catalytic cracking activity, and have a relatively high diesel oil yield.

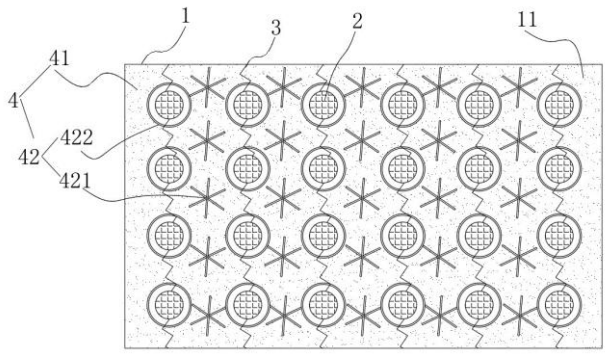
21: 2026/01320. 22: 2026/02/02. 43: 2026/09/28
51: B01D
71: Fujian Systak Environmental Protection Material Technology Co., Ltd.
72: LI, Fan, LI, Baojun, ZHOU, Qiuxia, ZHOU, Yanyan
33: CN 31: 202510343863.7 32: 2025-03-22
54: DEFOAMER COMPOSITION FOR USE IN VARNISH SYSTEM AND PREPARATION METHOD THEREOF
00: -
The present application relates to the technical field of defoamers and specifically discloses a defoamer composition for use in a varnish system and a preparation method thereof. A defoamer composition for use in a varnish system, comprising the following raw materials in parts by weight: 60-80 parts of polyether, 5-13 parts of silicone paste, 8-15 parts of emulsifier, 3-5 parts of solubilizer, 1-3 parts of dispersant, 0.5-1 part of stabilizer, 3-5 parts of thickener, and 0.3-1.5 parts of liposoluble fatty acid. The silicone paste is a hydrosilylation-modified silicone paste. Through the synergistic effect of the respective components, the defoamer composition prepared in the present application achieves both good compatibility in the varnish system and excellent defoaming and foam-suppressing effects.

21: 2026/01321. 22: 2026/02/02. 43: 2026/09/28
51: A63B
71: Shandong University of Finance and Economics
72: ZHANG Jibo
54: VOLLEYBALL STORAGE DEVICE FOR VOLLEYBALL TRAINING
00: -
The invention relates to the technical field of volleyball storage, and discloses a volleyball storage device for volleyball training, including: a storage box, a number of ball guide plates are obliquely arranged in the storage box; a baffle plate, which is connected to the outside of the storage box through a guide member, the size of the baffle plate is adapted to the opening size of the ball outlet, and the baffle plate is used to open or close the ball outlet; a ball storage hopper, which is installed at the ball outlet on the storage box and fixed by a limiting member. By obliquely arranging a number of ball guide plates in the storage box, the volleyballs put into the storage box may be arranged in order; a baffle plate and a ball storage hopper are connected at the ball outlet. When it is necessary to take out the volleyballs, the baffle plate is opened, and the volleyballs are discharged into the ball storage hopper, which prevents the volleyballs from rolling down and facilitates taking the volleyballs; when it is not necessary to take out the volleyballs, the baffle plate is located at the ball outlet, which may prevent the volleyballs from rolling down from the storage box.



21: 2026/01325. 22: 2026/02/02. 43: 2026/09/28
51: F28D
71: ZHEJIANG BAIMA LAKE LABORATORY CO., LTD., ZHEJIANG UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER
72: CHUANHUI ZHU, XIAODONG DONG, YUNLONG GUAN, JUNLE WANG, YIHANG LU
33: CN 31: CN202511514920X 32: 2025-10-22
54: PHASE-CHANGE THERMAL STORAGE HEAT EXCHANGER AND HEAT EXCHANGER TEST BENCH
00: -
The present disclosure discloses a phase-change thermal storage heat exchanger, including a housing, at least one metal tube, a plurality of fins and a thermal storage structure. The thermal storage chamber is provided in the housing. The at least one metal tube is configured to go through the thermal storage chamber. The plurality of fins are arranged along the length of the metal tube, and are connected to the outer periphery of the metal tube, and the fins extend in a direction perpendicular to the extending direction of the metal tube. By

encapsulating the thermal storage material with glass, leakage of the thermal storage material can be prevented, and the glass has a thermal storage function, so that the thermal storage capacity of the phase-change thermal storage heat exchanger may be improved.

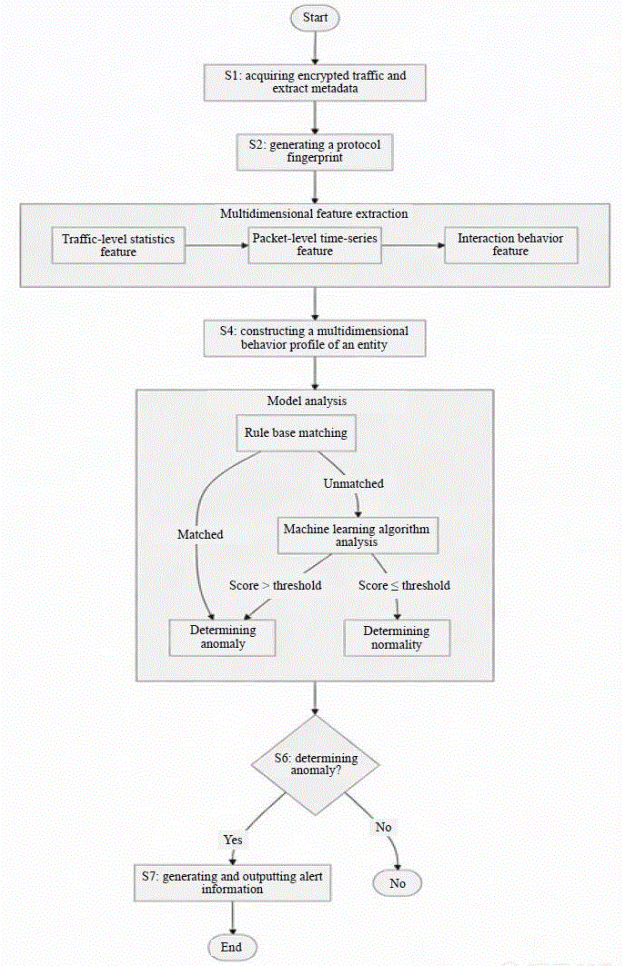


21: 2026/01326. 22: 2026/02/02. 43: 2026/10/08
51: H04L
71: Xinyu University
72: Xiliu ZHOU, Yangbo WU, Mingxiu WAN, Ying LIN

54: LOSSLESS ABNORMAL BEHAVIOR IDENTIFICATION METHOD FOR ENCRYPTED TRAFFIC

00: -

The invention discloses a lossless abnormal behavior identification method for encrypted traffic, and the method includes: on the premise that encrypted content is not decrypted, acquiring metadata of the encrypted network traffic; generating a protocol fingerprint corresponding to the encrypted traffic; based on the metadata and the protocol fingerprint, extracting traffic-level statistics features, packet-level time-series features, and interaction behavior features to construct a multidimensional behavior profile; inputting the multidimensional behavior profile into a preset abnormal behavior identification model for analysis, where the model is implemented by integrating various behavior rules and machine learning algorithms; and determining whether an abnormal behavior is present based on the analysis result, and generating alert information when the abnormal behavior is determined. The invention can, on the premise that communication content is not decrypted and communication privacy is protected, effectively identify various abnormal behaviors hidden in the encrypted traffic, such as malware communication, data leakage and command and control, thereby implementing effective balance between security detection and privacy protection.



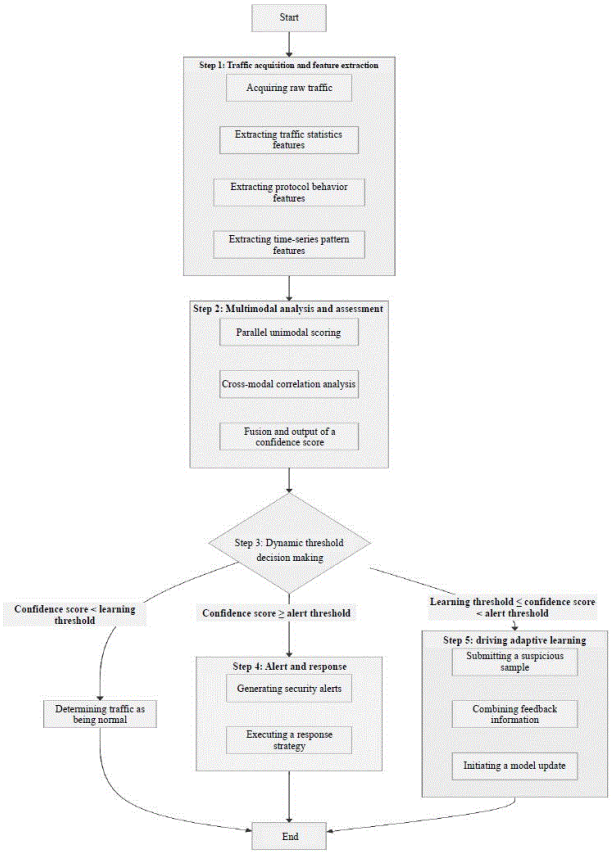
21: 2026/01327. 22: 2026/02/02. 43: 2026/09/28
51: H04L
71: Xinyu University
72: Yangbo WU, Xiliu ZHOU, Mingxiu WAN, Ying LIN

54: ABNORMAL TRAFFIC DETECTION METHOD AND SYSTEM BASED ON ADAPTIVE LEARNING AND MULTIMODAL BEHAVIOR ANALYSIS

00: -

The invention discloses an abnormal traffic detection method and system based on adaptive learning and multimodal behavior analysis. The system includes a multimodal data acquisition and fusion module, a multimodal behavior analysis engine, an adaptive learning engine, and a detection and response module. The method includes: acquiring traffic and extracting multimodal features including traffic statistics features, protocol behavior features, and

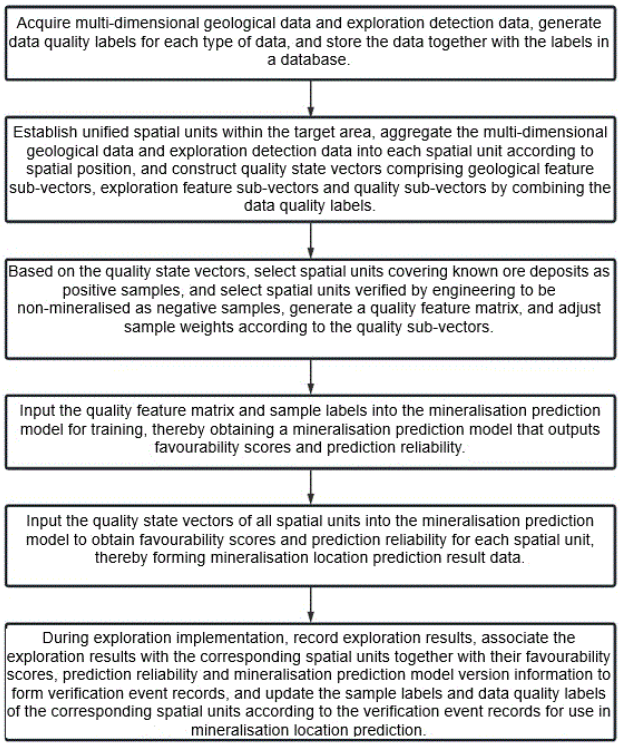
time-series pattern features; performing comprehensive assessment through parallel unimodal anomaly scoring and cross-modal correlation analysis to generate a global anomaly confidence score; making decisions and executing responses based on dynamic thresholds; and using suspicious samples and feedback information to drive online learning and incremental update of a model. Through multidimensional feature fusion and collaborative analysis, the invention significantly improves the detection accuracy for complex and covert threats; in addition, by virtue of a continuous adaptive learning mechanism, the invention effectively overcomes a problem of model aging, reduces a false positive rate and operation and maintenance costs, and implements an intelligent closed loop of detection, response, and optimization.



21: 2026/01328. 22: 2026/02/02. 43: 2026/09/28
51: G01V
71: Lanzhou University
72: DAI Shuang, YE Honggang, YE Hongfeng
33: CN 31: 202610081438.X 32: 2026-01-21

54: MINERALISATION LOCATION PREDICTION METHOD BASED ON INTEGRATION OF MULTI-DIMENSIONAL GEOLOGICAL DATA AND EXPLORATION DETECTION

00: -
The invention discloses a mineralisation location prediction method based on integration of multi dimensional geological data and exploration detection, belonging to the technical field of intelligent geological prospecting prediction, designed to address low accuracy and efficiency in mineralisation forecasting; within a unified spatial unit, geological features, exploration features and data quality labels are fused to construct a quality state vector and quality feature matrix, while sample weights are introduced into model training to achieve differentiated utilisation of samples of varying quality; the model outputs for each spatial unit a favourability score and prediction reliability, and by combining thresholds and quality grades, spatial units classified into priority exploration, supplementary exploration and insufficient information types; verification events recorded and cases of over prediction and under prediction counted, thereby triggering updates of local sample sets and models, forming a closed loop from data acquisition, model prediction to engineering validation, improving prediction accuracy and exploration investment efficiency.

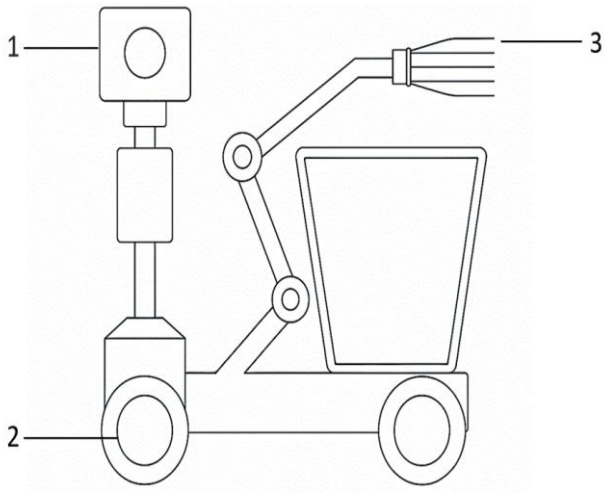


21: 2026/01329. 22: 2026/02/02. 43: 2026/09/28
51: A01D
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: KALYANARUBA MANI, KARTHIGA MURUGAN, OVIYA MUNIYAPPAN, RASIKA SARAVANAN, GAYATHRI SOUNDARARAJAN

54: A COTTON HARVESTING ROVER DEVICE

00: -

The present invention discloses a cotton harvesting robotic rover (10) designed to automate the identification and collection of matured cotton from plants with minimal human intervention. The system significantly reduces manual labor, enhances harvesting efficiency, and ensures precision in cotton plucking. The rover (10) comprises a mobile base equipped with a wheel assembly (2), a vision module (1) for real-time cotton bloom detection, a robotic arm (4) integrated with a gripper (3) for harvesting, and a cotton collection bin (5) for storing the plucked cotton. The vision module (1) uses advanced image processing algorithms to distinguish matured cotton blooms from foliage. The robotic arm (4) is programmed to move toward the target position and operate the gripper (3) to pluck the cotton without damaging the plant. A central processing unit housed in the main body (6) coordinates all components, including navigation, harvesting, and cotton storage. The power supply may be battery or solar-powered, ensuring autonomous field operation. The invention provides a reliable, scalable, and smart solution for modern agricultural harvesting challenges, especially in regions with labor shortages or high-demand cotton production.



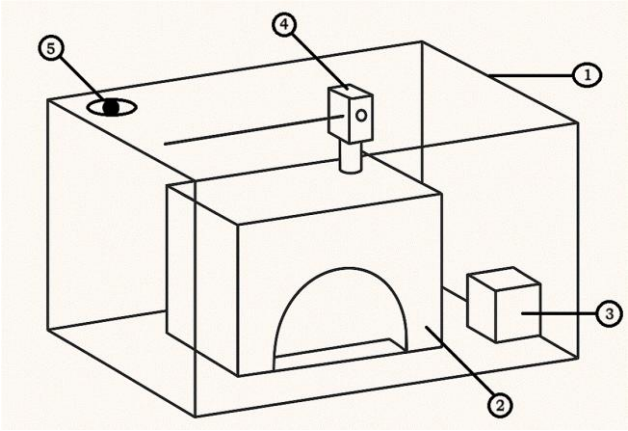
21: 2026/01330. 22: 2026/02/02. 43: 2026/09/28
51: A45D
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: KISHORE MURUGAN, MOHANRAJ SURESH, NIHALL BIJU, SUBHU VEKADESA PERUMAL, Dr. KIRAN BALA BENNY

54: A LASER-BASED AUTOMATED NAIL CUTTING DEVICE

00: -

The present invention discloses a laser-based nail cutting device, the Laser Nail Cutter (50), utilizing laser technology and a Raspberry Pi control unit. Designed for safe, hygienic, and precise nail trimming, the system is particularly useful for elderly users and individuals with limited mobility. The device includes a secure housing, or outer box (1), for hand insertion via the insertion slot (2), where sensors and the laser module (4) detect and trim nails based on real-time analysis. A Raspberry Pi processes data from LiDAR or infrared sensors and a vision module to guide the laser path. User profiles allow for personalized trimming, while a touchscreen interface (embedded in the top panel) offers control and monitoring. Key safety features include movement detection, auto-stop functions, and skin proximity sensing. Additional components include a

removable nail collection tray and a wet tissue dispenser for post-operation hygiene. The system is AC-powered through a DC power supply (3) and supports potential upgrades like app control or voice commands. This invention provides a modern, user-friendly alternative to manual nail cutting tools through smart automation and personalized operation.

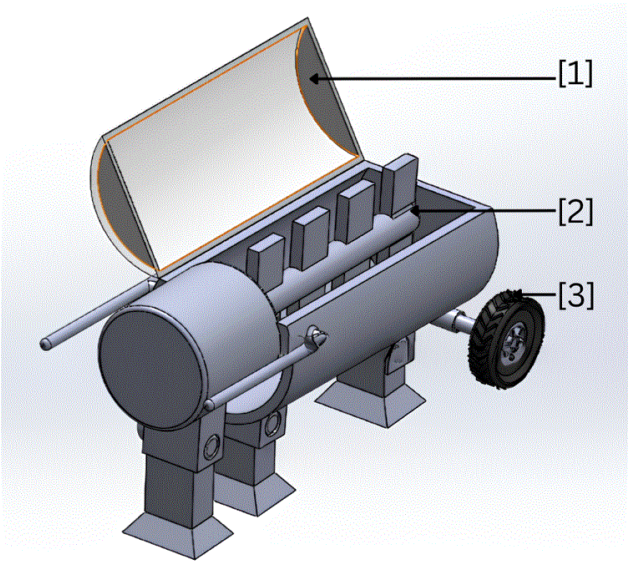


21: 2026/01331. 22: 2026/02/02. 43: 2026/09/28
51: B01F
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Rajendran Manivasagam, Prabakaran Mohith, Peter Pushparaj Jerom Sebhastin, Gnanamani Ragul

54: PORTABLE CEMENT MIXER WITH HORIZONTAL ROTATING BLADE SYSTEM

00: -

The present invention discloses a portable cement mixer with a horizontal rotating blade system (10), The system comprises a fixed mixing chamber (1) that houses a horizontally aligned rotating rod (3), equipped with welded iron blades (2) engineered to generate a folding and tumbling motion for consistent blending. The rotating rod (3) is driven by an AC motor housed within a protective motor enclosure (5), and connected via a gear reduction system to provide optimal torque and speed control. The chamber (1) is mounted on adjustable support stands (4) that allow for tilt and height modification. A manual handle (6) is provided for mechanical tilting, and a pair of wheels (7) fitted at the base of the support stands (4) facilitates mobility across construction sites, with a built-in foot-locking mechanism to ensure operational stability. The present invention (10) rotates only the internal blades (2), improving energy efficiency, reducing mechanical complexity, and minimizing wear. The mixer offers a reliable, low-maintenance, and portable solution for consistent material mixing across various applications, including projects where space, accessibility, or resources may be limited.



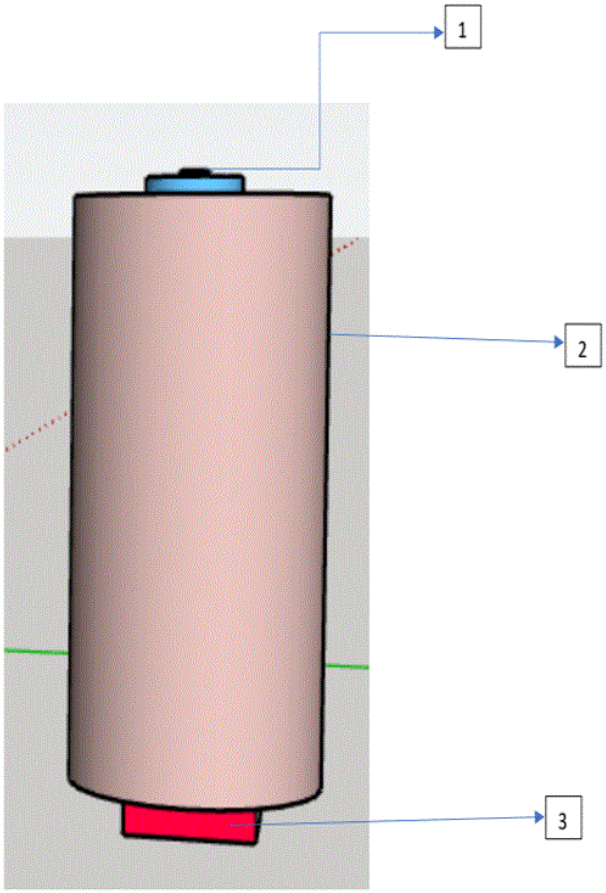
21: 2026/01332. 22: 2026/02/02. 43: 2026/09/28
51: F24H
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: KAVYA SRI ASOKAN, HARINI SRINIVASAN, DHARSHINI DEVI SARAVANAKUMAR, HARINI PETCHIMUTHU, ANUSIYA SENTHILKUMAR, Dr.RADHA NATARAJAN, Dr.MAHESWARI MURALI

54: NANO PCM HEAT WARMER

00: -

The present invention discloses a nano PCM heat warmer (10) which have nano oxide encapsulated PCM chamber(6) designed for generating heat in extreme cold conditions without using any external power sources. Utilizing a thermoelectric generator(3) to convert heat energy into electrical energy and eliminating the reliance on external power sources. A heating coil(9) which enhances the heat distribution and efficiency. A boost circuit (8) is used to step up the output voltage of the TEG (3) to ensure efficient power delivery to the heating coil and the other components. An encapsulated Phase Change Material (PCM) in which the heat can be stored and released gradually for persistent heat. A thermo responsive polymer (4) to enable the automatic heat regulation by adjusting the heat

temperature based upon the ambient temperature change and preventing overheating, and optimizing the energy efficiency. For durability, a self-healing polymer(2) can be placed in an outer shell for repairing the minor cracks and abrasions, making it ideal for the military and outdoor applications. , a manually insulated switch can be used to activate and deactivate the device. This invention is suitable for military personnel, climbers, and hikers in cold mountain regions. Also it offers lightweight, reusable and energy efficient, which is an alternative to the battery-operated and chemical-based hand warmers. It can also be integrated into medical warming devices, handlebars, ship storage systems, and wind turbine de-icing systems.

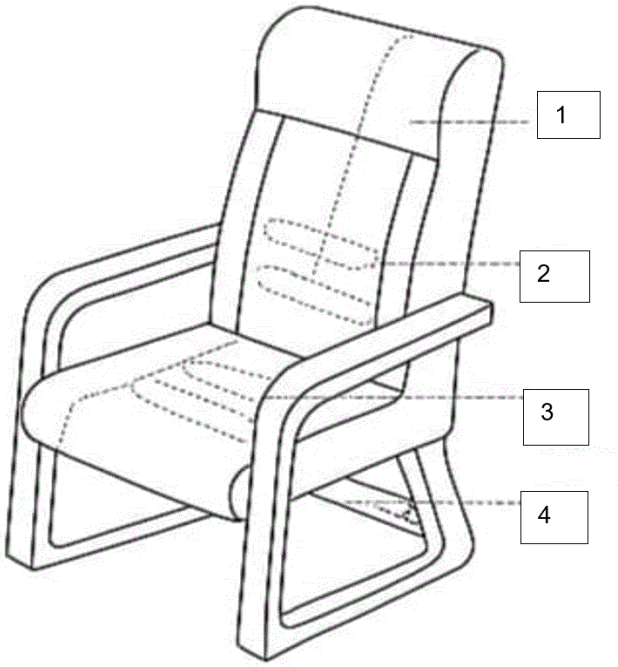


21: 2026/01333. 22: 2026/02/02. 43: 2026/09/28
51: A61B
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Indradevi Rajendran, Kavitha Muthurathinam, Nalini Raju, Harini Arunachalam, Arthi Jayasankar, Kethsiyal Selvakumar, Maheswari Jayabal

54: POSTURE ALERT SYSTEM

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The present invention discloses a low-cost and student-oriented solution for enhancing posture and combating drowsiness during long study periods. With simplicity and usability in mind, the system is integrated into a standard study chair with ease and utilizes low-cost electronic devices like pressure sensors (2), a tilt sensor (3), and a vibration motor (4) to establish a smart feedback system promoting correct posture and vigilance. The system works by constantly observing the seating activity of the user. Pressure sensors (2) embedded within the seat and backrest measure the presence and posture of the user, while a tilt sensor (3) built into the headrest monitors forward head movement, which is an early indication of drowsiness or distraction. Whenever the system perceives slouching, extended inactivity, or excessive head nodding over a predefined threshold angle, it initiates a subtle vibration motor (4) integrated into the chair. Unlike wearable solutions that may be uncomfortable or intrusive, the chair-based system provides a non-invasive experience. It does not intrude into the user's space but rather integrates smoothly into their surroundings without the need for them to wear a device or alter their usual study habits. Basic sensors and a microcontroller making the design low cost and easy to build make it suitable for students, teachers, or hobbyists looking for health-oriented innovations. Further, this intelligent study chair (1) can be modified for purposes of usage in schools, libraries, coaching institutions, or even home study rooms. By dealing with both posture and sleepiness within an integrated system, not only does it enhance physical health but also mental concentration. Overall, this project describes a new yet practical methodology for enhancing study habits through intelligent furniture design providing comfort and productivity in an intelligent, easy-to-use configuration.

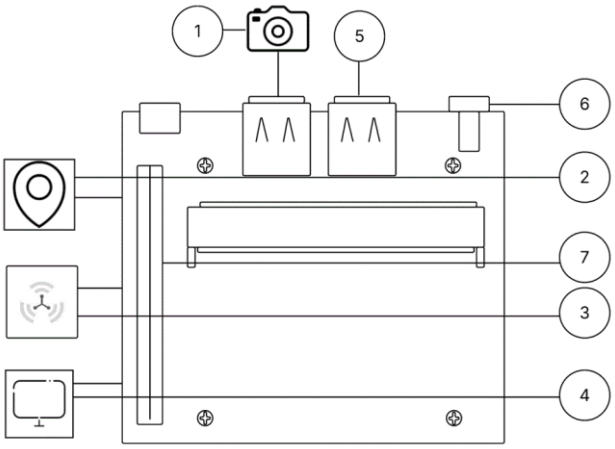


21: 2026/01334. 22: 2026/02/02. 43: 2026/09/28
51: G08G
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Guruprakash Kannan, Nithya Mathiyalagan, John Peter Thiraviasamy, Sandhiya Rajkumar, Rexy Jesuraj, Deepappriya Renganathan, Abinaya Kajendran

54: ROAD HAZARD DETECTION AND ALERT SYSTEM

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The present invention discloses a road hazard detection and alert system which addresses traffic congestion caused by hazards like potholes, landslides and accidents by enabling real-time, automated detection using CV model and communication. This system aims to develop an edge device that can be mounted on vehicles, which uses computer vision to detect and identify the type of hazard, and VANET technology to broadcast this information to nearby vehicles and Road Side Units(RSUs). It uses a python-based processing unit to coordinate all components, including a GPS module(2) for location tracking and a DSRC module(3) that uses VANET based V2X communication to broadcast alerts to nearby vehicles and Road Side Units(RSUs). An LED display(4) on the vehicle also shows live alerts to the driver. Once a hazard is identified, the processing unit creates a JSON file with information such as ID, type of hazard, location and timestamp. Also, this system is designed to work entirely offline, making it suitable for low-network areas and duplicate hazard reports are filtered using temporary logs and hashed IDs. By combining computer vision with VANET technology, the system improves road safety, traffic flow, and overall hazard awareness in a smart and practical manner.



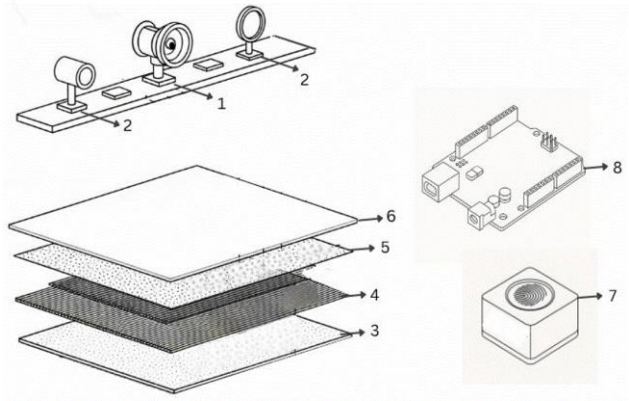
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51: H04W
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Nalini Raju, Kasthurirengan Purushothaman, Arockia Jesuraj Yagappan, Prabhanjen Balaji, Prashanth Chelladurai

54: AN ADAPTIVE PRIVACY CONTROL SYSTEM

00: -

The present invention discloses an adaptive privacy control system (10) that enhances user's display device data protection by dynamically controlling screen visibility based on the user environment and authentication. The system incorporates a display (3) unit equipped with an integrated camera(1) and PIR sensor (2). A biometric (7) authentication module performs facial feature recognition and fingerprint recognition by comparing live data with stored data in an encrypted NoSQL database. An embedded privacy decision engine processes biometric and sensor inputs to determine the appropriate visibility mode that is correct for the user. Based on the output the PDLC film (5) must activate or deactivate potentially activating and deactivating the privacy mode. Use of AES256 encryption ensures safe handling of user's biometric data. The user can potentially choose the privacy level for non

default applications. where level one is when privacy is activated only when passwords are being typed and in level 2 activation of the application activates the privacy screen. This system activates autonomously without user intervention making it adapt to the user environment. The display also activates privacy mode when anyone other than the user is in front of the screen. The user may deactivate the privacy mode with the use of facial recognition and fingerprint. These features make it more favourable in environments requiring high confidentiality.

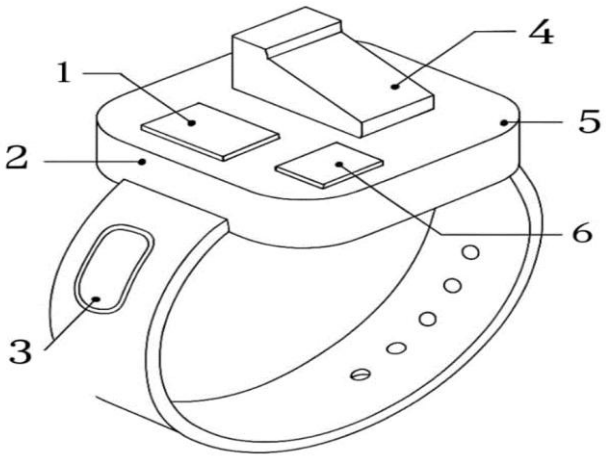


21: 2026/01336. 22: 2026/02/02. 43: 2026/09/28
51: G09B
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Latha Varatharajan, Sasikumar Rajendran, Arockia Jesuraj Yagappan, Shaahin Basha, Aventhika Kumar

54: A WEARABLE WATCH PROJECTOR FOR REMOTE NON-LITERATE EDUCATION ACCESS

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The present invention relates to a wrist wearable projection based educational system designed to deliver visual and audio content to non literate individuals in remote and underserved communities. The system, a wearable projection watch, functions independently of internet or smart phone infrastructure and is optimized for rugged, outdoor environments. The system comprises a memory chip slot (1) for inserting preloaded educational modules; a rechargeable battery (2) that supports extended low power usage; a fingerprint sensor (3) for personalized access and security; a projector unit (4) to display learning content on nearby flat surfaces; a microcontroller (5) that coordinates playback and system functions; and an embedded speaker (6) that delivers synchronized audio in native languages. The invention introduces a usage methodology based on cultural sensitivity, employing visual cues, gestures, and symbols for on boarding and navigation. Designed for scalability, the wearable projection watch may include solar charging, GPS tracking, and data offloading in future embodiments, enabling content customization and monitoring by NGOs. This innovation redefines grassroots education by eliminating traditional barriers such as textbooks, classrooms, or internet dependency. It provides self paced, secure, and accessible learning, empowering marginalized populations with foundational knowledge and digital exposure.



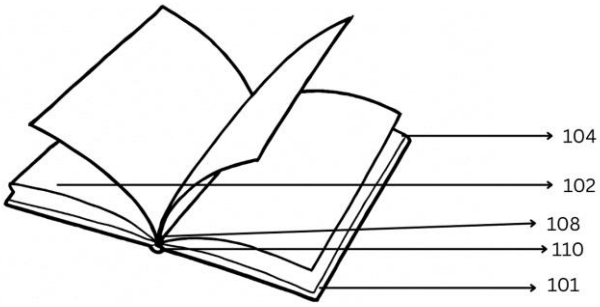
21: 2026/01337. 22: 2026/02/02. 43: 2026/09/28
51: G06F
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Harish Kumar, Janani Jayaraman, Gnyanodhaya Shanmugam, Sasidevi Jayaraman, Natesan GandhiMahan Gayathri, Uma Maheswari Perumal

54: A SMART NOTEBOOK

00: -

The present invention discloses a smart notebook system (10) for hybrid analog-digital note-taking and real-time cloud synchronization. The smart notebook system comprises a piezoelectric writing surface (15) configured to convert mechanical writing pressure into electrical signals, enabling both energy harvesting and stroke recognition. A smart pen (20) embedded with pressure sensors and accelerometers is configured to detect stroke patterns, tilt, and pressure, and to support handwriting-to-text conversion. The embedded memory/storage (25) stores written content in real-

time, while a microcontroller (30) processes data, manages power, and coordinates communication with the wireless transmitter module (35). The OLED or e-ink display (40) integrated into the notebook cover is configured to display battery status, sync notifications, and scheduled tasks. A charging port or inductive receiver (45) supports USB-C or wireless power input. Optional modules include voice recording (50), audio playback (55), and access authentication (60) for content security. The present invention (10) digitizes handwritten input, reduces paper usage, and enhances productivity through intelligent synchronization and modular design.

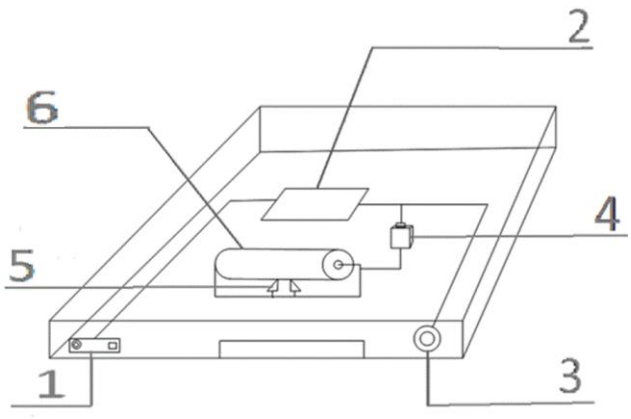


21: 2026/01338. 22: 2026/02/02. 43: 2026/09/28
51: A47K
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: KAVIPRIYA RAJESH KANNA, ASWATHI VARADARAJAN, HARINI KARTHIKEYAN, DHANAAISHWARYA GANESH KUMAR, RAMYA RAJENDRAN, RADHA NATARAJAN

54: HANDS-FREE LAVATORY SEAT HOOP

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The present invention discloses the hands-free lavatory seat hoop[10], a smart toilet system designed to enhance hygiene and user convenience using advanced technology. The system incorporates a human-detection sensor(PIR) [1] to identify user presence and send a signal to the processor [2], which triggers a camera [3] to capture an image of the toilet seat. The captured image is then sent to the processor [2], where a machine learning algorithm analyzes it to determine the precise toilet seat dimensions, ensuring the accurate dispensing of biodegradable, water-soluble paper infused with citric acid. The servo motor-controlled cutting mechanism customizes the paper to cover the seat, providing a clean surface for every use. If privacy concerns arise, the system offers a standard seat size setting without using the camera [3]. The Raspberry Pi processor [2] acts as the control unit, managing sensor signals, image processing, and motor functions. Servo motors [4] ensure precision in paper cutting with the help of cutting blades [5] and dispense it from the paper roll [6] using real-time feedback for accuracy. The biodegradable paper, made from bamboo and infused with citric acid, provides a pleasant odour to the toilet, dissolves easily in water, minimizes blockage risks, and offers antibacterial cleaning and deodorizing effects. This innovative system minimizes human contact, promotes hygiene, and ensures a clean toilet environment with sustainable, eco-friendly materials, making it ideal for public and private restrooms.



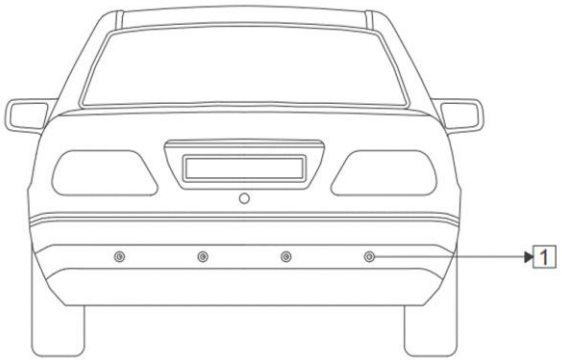
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51: G08B
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: DHARINESH RAMESH GEETHA, MANIKANDAN RAMAR, MAHIMA RAVICHANDRAN

54: EMERGENCY AUDIO MUTE SYSTEM IN VEHICLES

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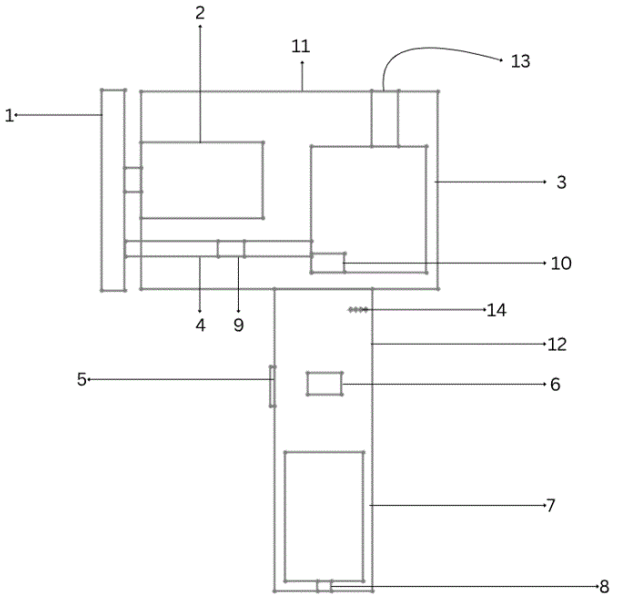
The present invention disclosed is an emergency audio mute system in vehicles (5) that aims at improving the safety by automatically mutes the audio inside the car when an ambulance siren is heard in the proximity. The system utilizes a microphone module to constantly record environmental sound within the vehicle, which is processed in real time by a microcontroller (3). With the help of microphone (1) it detects the distinctive frequency range of ambulance sirens, generally between 700 Hz to 1500 Hz whereas normal vehicle horn frequency and other sound ranges between

300-700Hz. When the frequency is above 700Hz is detected, the microcontroller (3) activates a relay module connected in series with the vehicle's AUX audio line, physically breaking the audio signal and essentially silencing music or other media playback. Through a delayed time set, the relay re-establishes the connection, permitting the audio playback to resume uninterrupted. This system provides a reliable and powerful solution to guarantee that emergency sirens are audible to the driver, enhancing driver response and overall road safety.



21: 2026/01340. 22: 2026/02/02. 43: 2026/09/28
51: A47L
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: SRINIVASAN DEVARAJU, MATTHEW NITHILAN PREM KUMAR
54: PORTABLE FOOTWEAR CLEANING SYSTEM
00: -

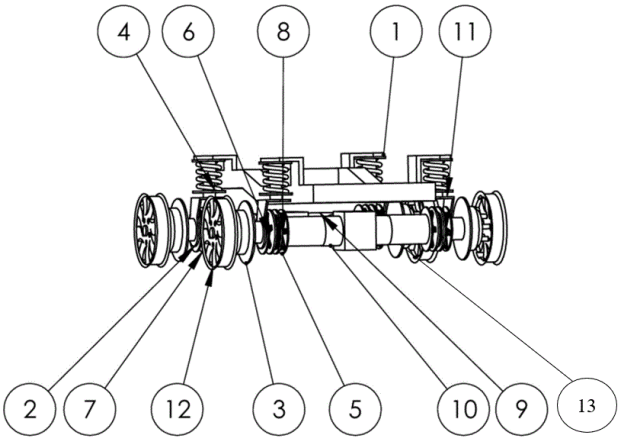
The present invention discloses a portable footwear cleaning and polishing system (15) designed to improve cleaning efficiency, save time, and enhance user convenience. The system comprises a compact ergonomic housing that is configured for one-handed operation and complete access to all surfaces of the shoe. A motor (2) is integrated within the housing and operatively connected to a rotating brush (1), which features the brush which is designed as a method which the brush can rotate mechanically as well as the cleaning liquid the shoe wax can be applied simultaneously the brush is also designed in a way that the fluid delivers uniformly. A fluid reservoir is configured to store cleaning liquid or polish and is connected via a valve tube (4) containing a one-way valve to prevent backflow or leakage. The system includes two user-operated switches. The motor (2) and a second switch for dispensing fluid through the brush (1) during operation. The power supply is provided by a rechargeable lithium-ion battery (7) with a USB-C charging port.The device enables simultaneous brushing and polishing of footwear in a time-efficient, user friendly, and hygienic manner, making it suitable for everyday use across personal and professional settings.



21: 2026/01341. 22: 2026/02/02. 43: 2026/09/28
51: F16D
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Mohanakrishnan Amarnath, Sridharan Selva Kumar, Gokul Udayakumar, Sivanesan Jayaraman, Varghese Gee Thomas
54: AN INTELLIGENT NON-CONTACT BRAKING AND ACCELERATION SYSTEM USING REVERSIBLE ELECTROMAGNETIC FIELDS AND SENSOR-BASED AI CONTROL
00: -

The present invention discloses to an intelligent contact and non-contact braking system that uses reversible electromagnetic fields and AI based sensor control (13) to obtain sewing motion control in wheel vehicles. The system comprises an AI controller and electromagnetic disk assembly will produce energy by the copper plates and sensor integrated wheel modules. The AI controller dynamically modulates the polarity, magnitude and duration of current flow to copper plates (6) to

generate controlled magnetic fields which allowing for propulsion or braking without contact. A differential mechanism ensures the ideal torque distribution on the wheels during directional changes and speed variations. High conductivity alloys are used in electromagnetic (5) components to support rapid field changes with minimal energy losses. Structural elements were including a modular shelf and a bracket with guarantee alignment and rigid integration with the vehicle chassis (8). Realtime feedback from wheel mounted sensors allows AI to continually adjust braking and acceleration responses. This system significantly reduces mechanical wear and improves safety and improves performance efficiency in modern vehicle applications.

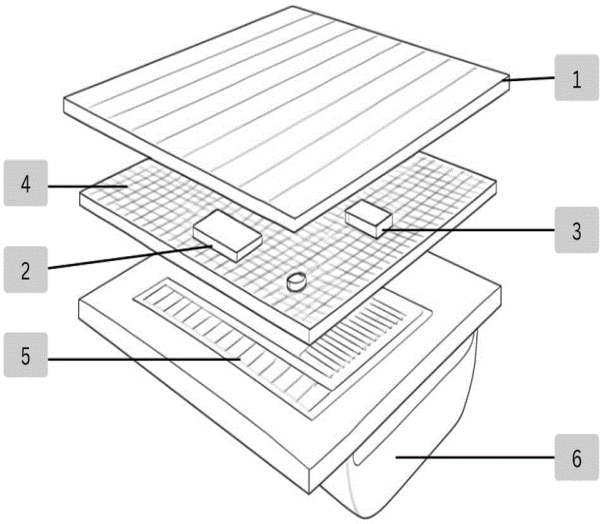


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51: A47L
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Abirami Sekar, Akshaya Lal Bahadur, Rhichaa Thiyagarajan, Sivapriya Subramanian, Sankari Vedhamoorthy

54: SMART DYNAMIC SUCTION VACUUM MAT

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The Smart Dynamic Suction Vacuum Mat (100) is an intelligent, autonomous cleaning system tailored for high traffic areas such as homes, temples, hospitals, and industrial spaces. It operates without smartphones, internet, or cameras, making it ideal for privacy sensitive or low tech environments. The multi layered design includes a topmost dust permeable layer (1) and a vibration layer (2) with embedded pressure and dust sensors that detect foot traffic and debris. A microcontroller unit (3) manages zone specific suction, activating the suction grid (4) only where needed to optimize energy use and reduce wear. A dust collection pouch (6) stores collected dirt, with alerts for maintenance. The inductive power layer (5) supports wireless mat to mat charging and integrates power saving features such as sleep wake logic, with optional solar or thermoelectric energy recovery. The mat's embedded AI learns traffic patterns over time, improving efficiency. This smart mat offers a sustainable, low maintenance, and adaptive alternative to conventional vacuuming systems.



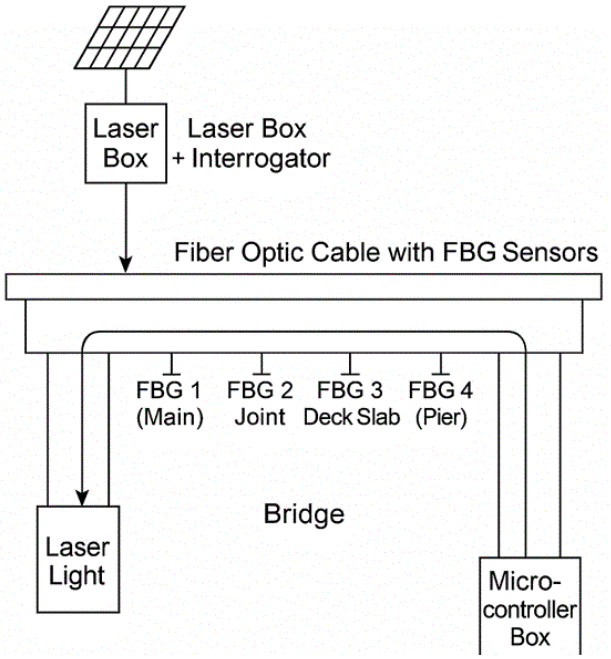
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51: G01M
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: John Peter Thiraviasamy, Nithya Thotakuruchi Mathiyalagan, Guruprakash Kannan, Uvajanani Raja, Yuhanncia Mary Sagayaraj, Yugabharathi Thirumalai, Steffi Stephen shaju

54: AI-POWERED FIBER OPTIC STRUCTURAL HEALTH MONITORING SYSTEM FOR BRIDGES

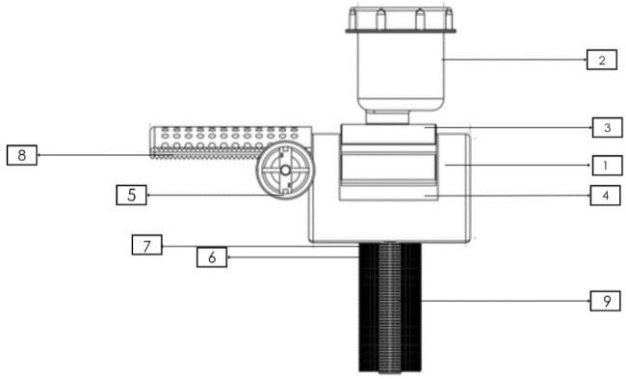
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The present invention discloses a Fiber Optic Sensor-Based Bridge Health Monitoring System designed for real-time, high-precision structural monitoring. It uses Fiber Bragg Grating (FBG) sensors embedded or surface-mounted on key components to detect strain, vibration, and temperature via Bragg wavelength shifts. These signals are captured by an optical interrogator and processed by a microcontroller through filtration, compensation, and threshold analysis. Integrated

with environmental sensors, the data is transmitted via IoT modules to a cloud server, where an AI engine predicts failures, estimates remaining life, and assigns health scores. A dashboard displays real-time metrics and triggers automated alerts via SMS/email when limits are breached. The system runs on a hybrid power supply with surge protection, and includes encryption and redundancy to ensure reliability and data security. This invention offers a predictive, automated, and maintenance-optimizing solution for enhancing bridge safety and longevity.

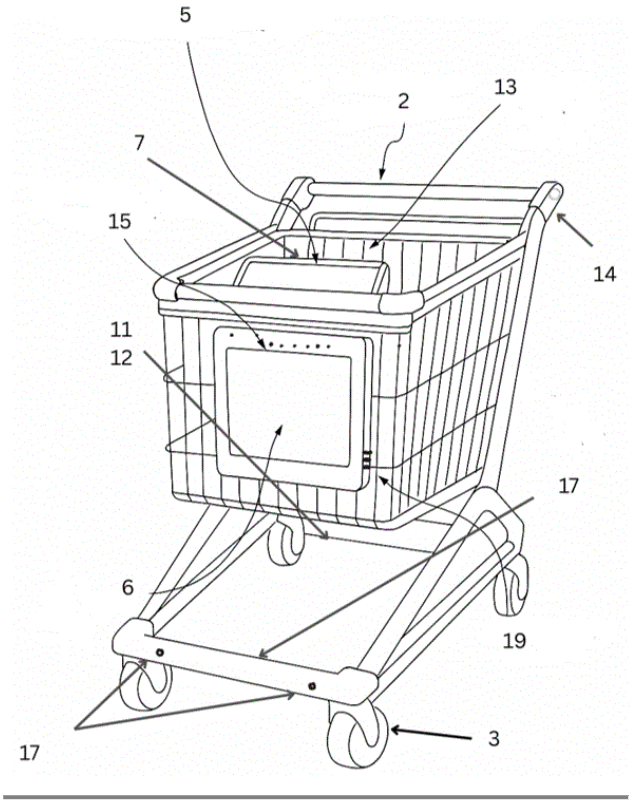


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51: A47L
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: KAVITHA MOOKKANDI, AGILESH SANTHOSHKUMAR, ARAVINDH VIVEKANANTHAN, BALAMURUGAN SUBRAMANIYAN, RITHISH RAJAMANICKAM
54: HAND RAIL CLEANER
00: -
The present invention discloses a hand rail cleaner system for automatically cleaning the surface of handrails without manual effort, thereby improving hygiene and reducing labor requirements. The hand rail cleaner comprises a main housing (1), a pair of sweeping brushes (9), multiple DC motors (5), and an Arduino Nano microcontroller. The sweeping brushes are mounted on rotating shafts driven by DC motors and are configured to scrub dust and debris from handrail surfaces. A sanitizer reservoir (2) is optionally included, connected to a spray nozzle for dispensing cleaning solution during operation. The brushes are powered and controlled via a gear mechanism (6, 7) for consistent torque and balanced movement. The system is equipped with ultrasonic sensors for detecting the presence of human hands or obstacles, enabling automatic activation or deactivation of cleaning operations. The motion of the device along the handrail is facilitated by a chain mechanism (8), while power is supplied through four rechargeable batteries (3) mounted in secure battery holders (4). Manual switches allow users to control power and sanitizer functions. The hand rail cleaner is compact, portable, and adaptable to different rail sizes, offering an efficient and user-friendly solution for maintaining cleanliness in public and private environments such as hospitals, railway stations, schools, and offices.



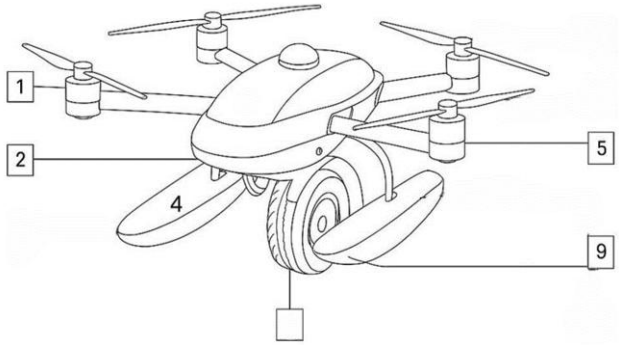
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51: G06Q
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Harish Kumar, Elavarasan Praveen Kumar, Arumugam Premavasumati, Ramasamy Kamaraj
54: SMART TROLLY SYSTEM
00: -
The smart trolley system integrates QR codes and RFID sensors to automate product detection and billing in supermarkets. It features a digital display that shows real-time bill updates, supports online payments, and allows easy product addition or removal. The trolley's innovative removal mechanism adjusts the bill based on barcode orientation or RFID changes. Powered by rechargeable lithium-ion and alkaline batteries, the

trolley offers long-lasting use with convenient recharging via a USB-C port. The display also provides an interface to check product details, discounts, and payment options. Payment methods include UPI, mobile wallets, and credit/debit cards, with integration for loyalty programs. Security features include anti-theft alarms and compatibility with handheld or automated scanners at exits. Built from lightweight, durable materials, the trolley ensures ease of use and reliability. The system also supports eco-friendly practices by promoting digital receipts and optimizing energy consumption. In summary, this smart trolley enhances the shopping experience by reducing wait times, automating billing, and offering a sustainable, efficient solution for modern supermarkets.



21: 2026/01346. 22: 2026/02/02. 43: 2026/09/28
51: B64C
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: GEETHA PANDURANGAN, KAVIYA RAJKUMAR YASODHA, Shubashini Ayalraj, Pushpa Dharshini Sakthivel
54: AN AQUA ROVER DRONE SYSTEM
00: -

An Aqua Rover Drone System (50) is a hybrid unmanned aerial vehicle (UAV) engineered for intelligent landing and mobility across air, land, and water terrains. The system incorporates a lightweight aerial drone frame (1) for structural integrity, a GPS module (2) for real-time location tracking and geofencing, and an infrared sensor array (3) for detecting terrain surface temperature. An ultrasonic sensor (4) is used for precise altitude measurement during descent, while the embedded microcontroller unit (5), powered by an ESP8266EX, processes sensor data to make real-time landing decisions. Wireless telemetry and a GSM module (6) enable remote monitoring and control, supported by a stable power management system (7) for voltage regulation. A BO motor (8) activates mechanical landing gear for solid terrain, while an SG90 servo motor (9) deploys flotation devices for water landings. The right buoyant float (4) and left buoyant float (9) enable aquatic stability, and the hybrid drive wheel (11) with a wheel suspension arm (10) supports land-based movement. The drone arm assemblies (2, 7), rear left (5) and right rear (6) propeller motors, and the main drone body (3) collectively support aerial mobility. The present invention facilitates efficient task execution by enabling remote monitoring, terrain-adaptive mobility, and automated landing capabilities across air, land, and water environments.

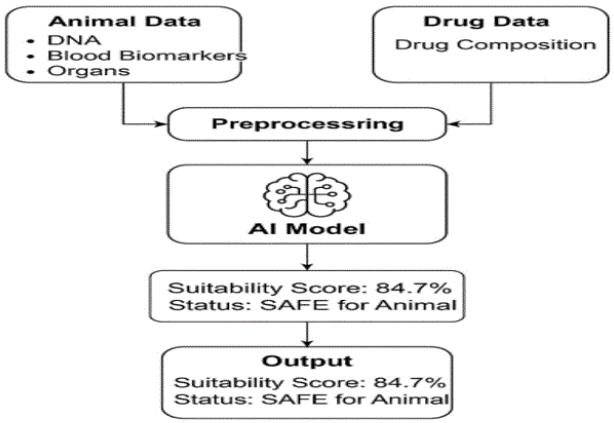


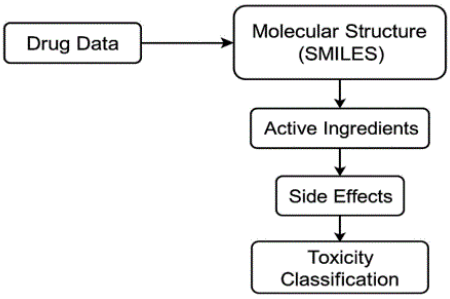
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51: C12Q
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Nandhini Rajendran, Nithya Mathiyalagan, Sasikumar Rajendran, Arthi Jayasankar, Harini Arunachalam, Kethsiyal Selvakumar, Maheswari Jayabal

54: AN AI-BASED DRUG SAFETY PREDICTION SYSTEM USING ANIMAL DNA AND BIOLOGICAL DATA

00: -

This invention presents an AI-powered system (1) that predicts whether a newly developed drug is safe for a particular animal before performing any live testing. The system works by comparing detailed biological data of the animal-including DNA, blood test values, and organ sensitivity-with the chemical structure and ingredients of the drug data compositor (3). By using a trained machine learning model, the risk analyzer system (4) analyzes patterns in how different animals react to different compounds. It then generates a prediction in the form of a suitability percentage and a simple Safe or Unsafe label. This approach helps pharmaceutical researchers avoid harmful animal testing at early stages, reduce costs, and make faster, more ethical decisions during drug development. Additionally, the system is designed in a way that it may optionally be expanded to estimate human safety, based on cross-species biological similarities. The invention promotes smarter and safer drug research, while supporting the ethical treatment of animals. The AI based prediction compares both types of information using artificial intelligence (AI). The AI is trained on older data from past drug tests on animals. After studying the new drug and the animal's body, the system gives two results: AI-based drug prediction system (1) a percentage score that shows how suitable the drug is, and animal DNA data collector (2) a final answer - Safe or Unsafe for the animal. This invention helps scientists save time, money, and avoid hurting animals during early drug testing. It also supports better decisions in the lab and makes drug research more responsible. The system can also be extended to give a rough idea if the drug might be safe for humans later.





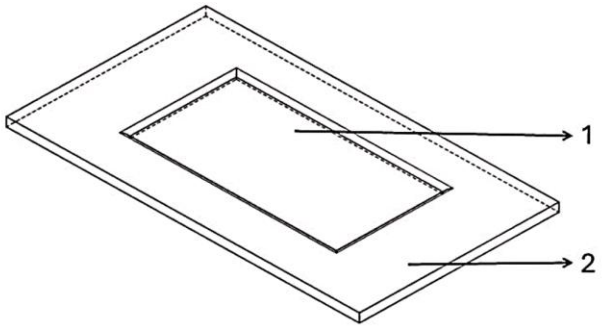
21: 2026/01348. 22: 2026/02/02. 43: 2026/09/28
51: A61F
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: ABBAS SHAKULHAMEED, HARSHAVARDAN VANITHA PALANIAPPA, KAMALESHKUMAR VIJAYAKUMAR, Dr.RADHA NATARAJAN, Dr.MAHESWARI MURALI

54: WOUND HEALER

00: -

The present invention discloses Wound Healer (9), a bioelectric bandage designed to accelerate wound healing, prevent infections, and provide real-time monitoring for better patient care. The device consists of a Silicon layer (1) and a Plastic outer layer (2) for durability and flexibility. It features an Electric pulse generator (3) that delivers controlled electrical stimulation to enhance cell regeneration and improve blood circulation. A Power source (4) ensures continuous operation, while embedded sensors, including a pH sensor (5), Temperature Sensor (6), and Moisture Sensor (7), monitor wound conditions and detect infections in real-time. Data from these sensors is processed by an Embedded Microchip (8), which wirelessly transmits alerts to healthcare providers. The self-sustaining power

system harnesses energy from body movement, heat, or wound fluids, eliminating the need for external batteries. Designed with a biodegradable hydrogel structure, Wound Healer (9) conforms to various wound types and dissolves naturally after healing, ensuring pain-free removal. This innovative bandage enhances wound care by reducing recovery time, minimizing complications, and improving patient outcomes.

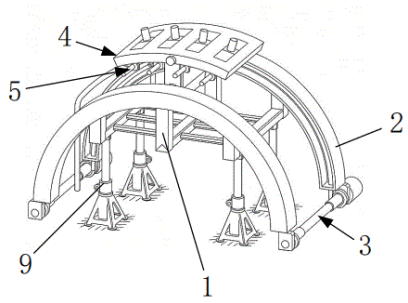


21: 2026/01391. 22: 2026/02/03. 43: 2026/09/28
51: B08B; F16L
71: Henan University of Urban Construction
72: WU, Wenlong, WANG, Zhijia, CHEN, Xiaodong, LOU, Yafei, HUANG, Peng, JIA, Haipeng

54: CRACK SEALING ROBOT FOR INTERIOR WALL OF TUNNEL

00: -

The present invention discloses a crack sealing robot for an interior wall of a tunnel, and relates to the technical field of tunnel waterproofing construction, including a crawler traveling chassis, a lifting drive mechanism, a support frame, a drive sliding mechanism, and a crack sealing mechanism, where the support frame is disposed on the crawler traveling chassis, the lifting drive mechanism is capable of driving the support frame to move upward or downward, two symmetrical arch-shaped rails are fixedly arranged on the support frame, the crack sealing mechanism is capable of moving along the two arch-shaped rails, and the drive sliding mechanism is capable of providing power for the movement of the crack sealing mechanism along the two arch-shaped rails. The present invention improves the efficiency and safety of crack sealing on an interior wall of a tunnel.

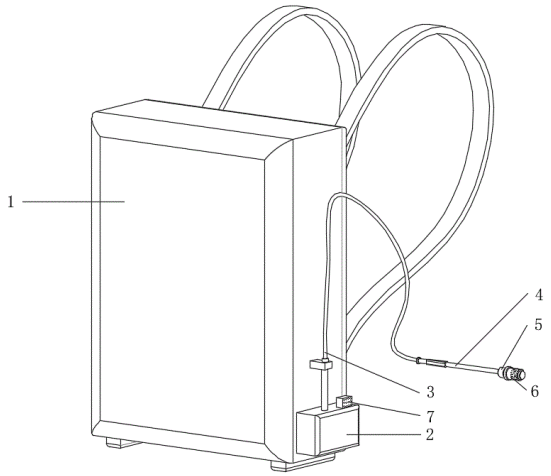


21: 2026/01392. 22: 2026/02/03. 43: 2026/09/28
51: A01M
71: Weihai Academy of Agricultural Sciences
72: LV Yi

54: AUTOMATIC PESTICIDE SPRAYING DEVICE WITH ADJUSTABLE ATOMIZATION FOR ORCHARDS

00: -

The present invention provides an automatic pesticide spraying device with adjustable atomization for orchards, including: a pesticide storage tank for storing pesticide liquid; a booster pump having an input end connected to the pesticide storage tank via a pipeline, for providing a delivery pressure of the pesticide liquid; a main liquid delivery pipe having an end fixedly connected to an output end of the booster pump; a branch liquid delivery pipe; an adjustable atomization assembly detachably sleeved over a liquid outlet end of the atomizing nozzle, where the adjustable atomization assembly includes an inner tube and an outer tube, an end of the inner tube being fixedly connected to the liquid outlet end of the atomizing nozzle, a plurality of inner spray holes being disposed on a pipe wall of the inner tube, the outer tube being movably sleeved over the inner tube, a plurality of outer spray holes in one-to-one correspondence with the inner spray holes being disposed on a pipe wall of the outer tube, and a locking knob being arranged at an end of the outer tube, for fixing a relative position between the outer tube and the inner tube. The adjustable atomization assembly adopts a structure of an inner tube and an outer tube with aligned/staggered spray holes, with an intuitive and easy-to-understand principle, and the adjustment can be realized without a complicated chamber design.

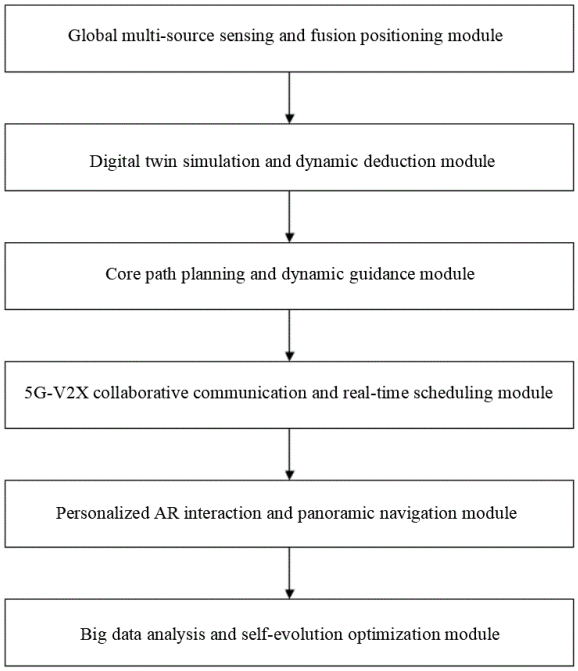


21: 2026/01393. 22: 2026/02/03. 43: 2026/10/01
51: G08G
71: Henan University of Urban Construction
72: JIAO Shuaiyang, XUE Liyuan, LI Yubo, WU Juntong, LIU Zixiang, LIU Xiaoge, LI Ze, FAN Qinghua

54: INTELLIGENT GUIDANCE SYSTEM FOR PARKING AND RETRIEVAL IN LARGE PARKING LOT BASED ON A-STAR ALGORITHM

00: -

The present invention discloses an intelligent guidance system for parking and retrieval in a large parking lot based on an A-Star algorithm, comprising: a global multi-source sensing and fusion positioning module, used to acquire states of dynamic and static targets in the parking lot and generate a global situation map; a digital twin simulation and dynamic deduction module, used to receive the situation map and construct a virtual simulation environment; a core path planning and dynamic guidance module, used to, according to the global situation map and different parking and retrieval scenarios, calculate an optimal driving path by adopting the A-Star algorithm and generate a guidance scheme, and send the guidance scheme to the digital twin module for verification; a 5G-V2X collaborative communication and real-time scheduling module, used to deliver the verified guidance scheme in real time to vehicles and user terminals; a personalized AR interaction and panoramic navigation module, used to provide an augmented reality navigation service for a driver; a big data analysis and self-evolution optimization module, used to collect system operation data and continuously optimize path planning algorithm parameters.



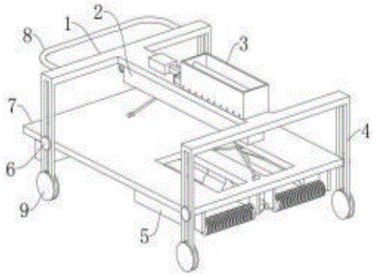
21: 2026/01395. 22: 2026/02/03. 43: 2026/10/01
51: A01B
71: Hainan Seed Industry Laboratory, Sanya Institute of Breeding and Multiplication, Hainan University, Changjiang Guangling Agricultural Technology Co., Ltd.
72: SI, Chengcheng, LUO, Zhiyong, HUANG, Hefei, ZHU, Zijian, SUN, Tong, LI, Yujie
33: CN 31: 202610057644.7 32: 2026-01-16

54: A WIDE-DEPTH DOUBLE-ADJUSTMENT RIDGING DEVICE FOR POTATO PLANTING

00: -

This invention pertains to the potato cultivation field and introduces a dual-adjustment ridge cultivation device with adjustable width and depth, featuring a frame structure. The device's frame incorporates a fertilization and irrigation assembly at its top, adopting an I-shaped design with vertical support feet at the ends. The feet are equipped with rollers to ensure smooth movement, while their perforated strips allow the installation of a sliding lifting plate. The plate's base houses a composite ridge cultivation assembly comprising a soil loosening roller and a ridge cultivation plow. This device effectively controls the required width and depth for potato ridge cultivation during actual planting. During the process, it simultaneously performs soil

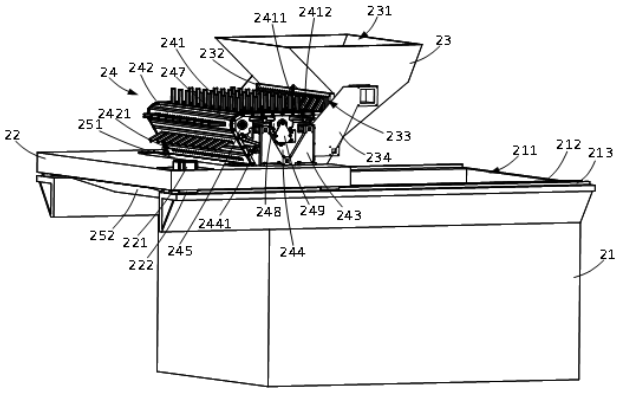
loosening, fertilization, and leveling operations, enhancing cultivation quality while providing efficient and convenient potato planting.



21: 2026/01396. 22: 2026/02/03. 43: 2026/10/01
51: B29B
71: Henan University of Urban Construction, Henan College of Surveying and Mapping
72: PEI Xiaohong, XU Zihan

54: INTELLIGENT AUTOMATIC SCREENING AND COLLECTION DEVICE FOR PLASTIC BAGS IN WET WASTE

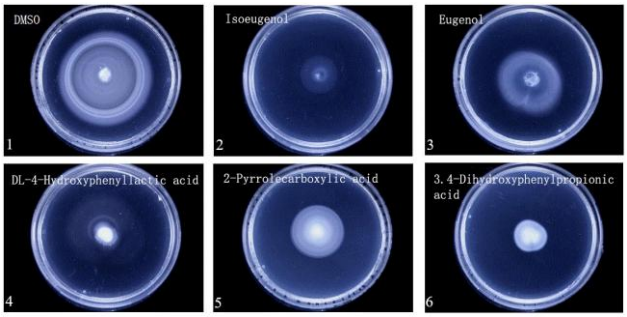
00: -
The present invention relates to an intelligent automatic screening and collection device for plastic bags in wet waste, used for screening plastic bags mixed within wet waste. The device includes: a garbage bin with a top opening; a crossbeam slidably mounted on the top of the garbage bin; a hopper supported on the crossbeam, provided with a feed inlet and a discharge outlet, with a side portion having a breaking baffle plate, the breaking baffle plate being provided with multiple elongated holes communicating with the interior of the hopper; a screening and breaking mechanism supported on the crossbeam and adjustably rotatable, the screening and breaking mechanism being disposed close to the hopper, with multiple rows of breaking tooth rods movably connected to the screening and breaking mechanism; a scraper plate connected to the crossbeam and located on a side of the screening and breaking mechanism away from the hopper, the scraper plate being inclined; and a collection box adjustably and rotatably connected to the bottom of the scraper plate. The present invention achieves automatic screening of plastic bags from waste, as well as automatic cleaning and collection of plastic bags, simplifying the work process, reducing labor intensity, and improving production efficiency.



21: 2026/01397. 22: 2026/02/03. 43: 2026/10/01
51: A01N
71: Xinjiang Acad Of Agricultural Sciences
72: Zhidong ZHANG, Xiaojing LIU, Jing ZHU, Meiying GU, Qiyong TANG, Xue LI, Shengting GUO

54: APPLICATION OF ISOEUGENOL IN THE PREPARATION OF INHIBITORS FOR PREVENTING AND CONTROLLING PEAR FIRE BLIGHT DISEASE AND PREPARATION OF ISOEUGENOL

00: -
The present application discloses an application of isoeugenol in the preparation of an inhibitor for preventing and controlling pear fire blight disease and the preparation of isoeugenol, which relates to the field of biotechnology. By preparing a crude extract of Streptomyces sp.D67 to verify its activity against purple bacillus and amylovora pathogens, and verifying the active substances of the metabolites, it was determined that the metabolite isoeugenol has an inhibitory effect on amylovora pathogens. Isoeugenol is used in the preparation of inhibitors for preventing and controlling amylovora blight, with an effective concentration of 0.125mg/mL-0.5mg/mL. It has an inhibition rate of 44% on biofilm formation and 27% on extracellular polysaccharide formation. Isoeugenol can effectively inhibit the expression of virulence factors of amylovora blight pathogens, thereby reducing the drug resistance of amylovora blight pathogens and alleviating the occurrence of plant diseases and infection of plants. Spread effect.

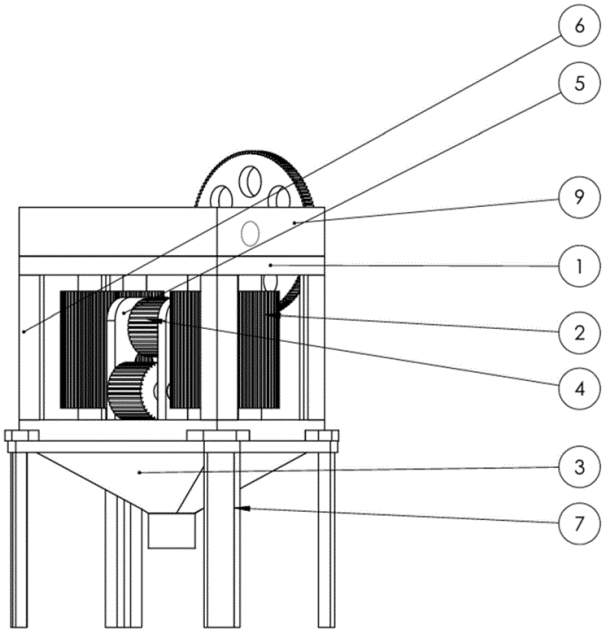


21: 2026/01399. 22: 2026/02/03. 43: 2026/10/01
51: A23L
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Mohanakrishnan Amarnath, Sridharan Selva Kumar, Gokul Udayakumar, Elumalai Sivaperumal, Kalai Praveen Raj Kalaisekaran

54: VERTICAL SUGARCANE JUICE EXTRACTER SYSTEM

00: -

The present invention discloses a vertical sugarcane juice extractor system vertical (11) projected to maximize juice performance through efficient mechanical processing, maintaining hygienic operation. The system is built around a vertical structure of the vertical column that houses a series of vertical and horizontally organized stainless steel (2) rolls (4) supported by precision aligned (1) and reinforced roller supports (5). These rolls are triggered by a steering wheel (10) and gear mechanism (8), ensuring the consistent torque transmission for smooth and continuous crushing of the stews of the -of the -acer. The system also has a top box (9) that houses the components of the primary unit, allowing synchronized movement between the horizontal and vertical rollers to apply an ideal compressive force. The juice extracted during the process is collected on a hygienic steel juice collection tray (3) positioned directly below the crush unit, minimizing spill and ensuring the ease of cleaning. The entire configuration is mounted on a rigid column (6) and in support (7) that absorbs vibration and increases structural stability during operation. The inclusion of a steering wheel mechanism facilitates manual operation with minimal physical exertion. This system is ideal for commercial applications, offering high efficiency, reduced waste, minimal operational fatigue and greater durability, making it a higher alternative to traditional juice extraction methods.



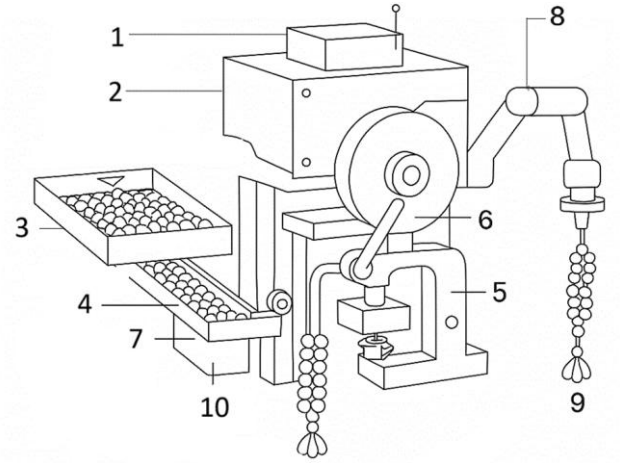
21: 2026/01400. 22: 2026/02/03. 43: 2026/10/01
51: A41G
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: PONNI VALAVAN MULLAI VENTHAN, VISHNU PRIYA KANNAN, ABINAYA KUMARAGURU, DIVYA SOUNDARA RAJAN, SACHUDHA SAPPANI

54: AUTOMATIC KNOTTING SYSTEM FOR FLORAL GARLANDS

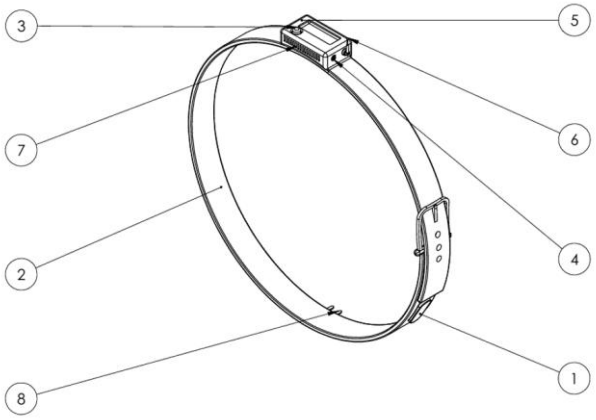
00: -

The present invention relates to an Automatic Flower Garland Knotting Machine (100) designed to automate the process of making flower garlands with minimal manual intervention, enhancing efficiency and precision. Automatic Knotting System for Floral Garlands comprises multiple flower hoppers (3) that store and dispense different varieties of flowers in a controlled sequence based on a preset pattern. Dispensed flowers are transported via a conveyor belt (4) equipped with stepper motors and guiding rails to ensure accurate spacing and alignment. A robotic gripper (11) carefully picks each flower from the conveyor and places it in the threading zone, utilizing soft silicone pads to prevent damage. The threading and knotting mechanism (6), including a rotating needle (12) and tension-controlled thread spool (10), secures each flower onto the thread at consistent intervals while maintaining optimal thread tension. The system integrates a pattern recognition unit (2) with an image recognition camera (1) and AI processor to identify flower types, colors, and sizes,

arranging them in user-defined patterns. After knotting, a cutting mechanism (13) trims the garland to the desired length. This invention significantly reduces manual effort and time required for garland making, ensuring consistent quality and customizable designs.

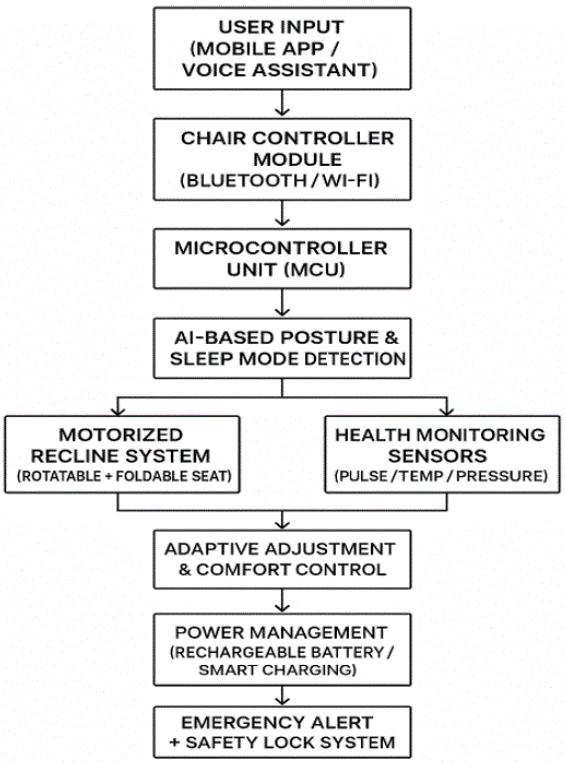


21: 2026/01401. 22: 2026/02/03. 43: 2026/10/01
51: H04N
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Kamesh Muruganandam, Abishek Khanna Murugasami, Karunamoorthy Selvaraj, Mathew Joshwa Jerald, John Peter Thiraviasamy, Nithya Thotakuruchi Mathiyalagan, Saranya Sundararaju
54: AN ELEPHANT MUSTH DETECTION AND MONITORING DEVICE
00: -
The present invention discloses An Elephant Musth Detection and Monitoring Device (50) for detecting and monitoring musth in male elephants using sensor based real time analysis. The Elephant Musth Detection and Monitoring Device (50) comprises a temperature sensor (1), gas sensor (2), inertial measurement unit (IMU) (4), microphone (5), GPS module (6), and an alert system (7) integrated into a durable, adjustable collar. The sensors are configured to collect data related to physical and behavioral changes during musth. The system further includes a main enclosure (8) that houses a rechargeable Lithium Iron Phosphate (LiFePO4) battery, Type-C charging port, power management circuit, microcontroller, wireless communication module, and mobile application interface. The microcontroller is programmed with a decision making algorithm that evaluates sensor data to detect musth conditions. When a musth event is detected, the system activates the alert mechanism and notifies the handler via the mobile interface. The collar is designed for long term wear and provides non invasive, continuous monitoring of elephants in both captive and wild environments. The present invention (8) aims to improve early detection of musth, ensure handler safety, and support better behavioral tracking and welfare management in elephants.

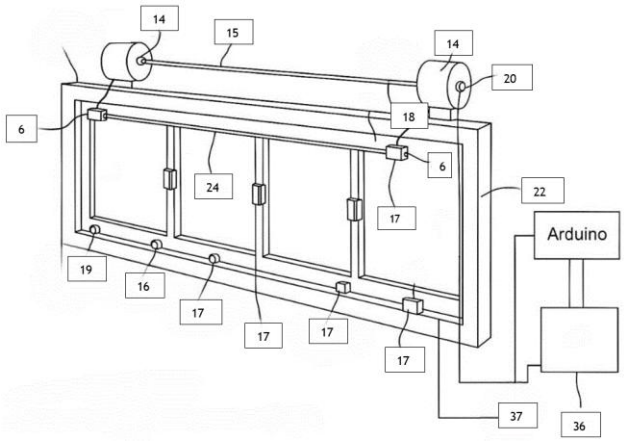


21: 2026/01402. 22: 2026/02/03. 43: 2026/10/01
51: A47C
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: NAVEEN KUMAR MANICKA VASU, Dr. KIRAN BALA BENNY
54: AUTOMATED ADJUSTABLE CHAIR
00: -
The present invention is an advanced automated smart chair(10) designed to improve user comfort, posture, and rest during extended periods of sitting. It features an intelligent posture-adjustment mechanism that automatically shifts the user’s sitting position at regular intervals, thereby reducing physical strain, muscle fatigue, and circulation issues associated with prolonged immobility. Unlike traditional chairs that require manual adjustments or fixed ergonomic designs, this smart chair operates autonomously using embedded sensors(5) and a programmable control system. When the system detects signs of user inactivity or drowsiness, it activates a sleep-induction mode by initiating a gentle, circular rotational motion of the chair base.This slow movement mimics natural cradling, encouraging relaxation and helping the user transition into short-term sleep or rest. The chair's

design eliminates the need for traditional recliners or manual levers, providing a seamless and user-friendly solution for ergonomic support. It is particularly suitable for environments like study rooms, offices, and workspaces, where maintaining comfort and alertness over long durations is essential. One of the key innovative aspects of the chair is its ability to detect when the user becomes inactive or drowsy (through inactivity detection or manual activation via button/app).

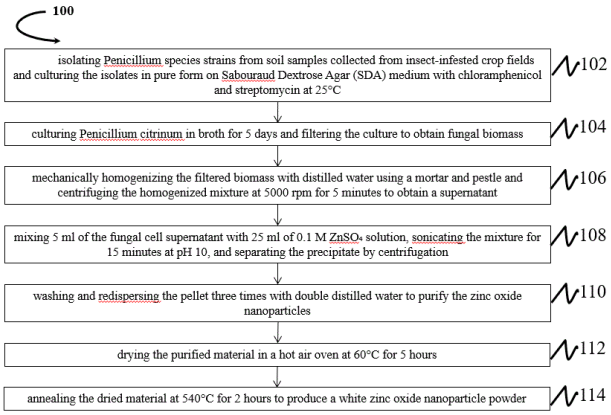


21: 2026/01403. 22: 2026/02/03. 43: 2026/10/01
51: E06B
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: AKSHIT JOSEPH PAULRAJ, AZARUDEEN ABDULLAH, JOE ALLWIN QUBET RAJ, Dr.RADHA NATARAJAN
54: AUTOMATIC RAIN RESPONSIVE WINDOW CLOSING SYSTEM IN BUS
00: -
The present invention relates to an automatic window closing system for buses, designed to enhance passenger safety and comfort by preventing rainwater ingress through open windows. The system employs a rain sensor to detect precipitation and a microcontroller that selectively actuates motors connected to individual windows. Only windows that are currently open are closed upon rain detection, conserving power and reducing mechanical wear. Each motor assembly is connected via linkages and guided through a motor shaft to control window movement, and solenoid locks are employed to secure the windows post-closure. The system includes manual override buttons at each window and a centralized driver override switch, allowing for both automatic and manual control. Safety is ensured through the inclusion of limit switches, current sensors, and feedback mechanisms to detect window positions and obstructions. The design is modular and scalable, suitable for various types of window mechanisms and bus models. Optional IoT integration allows remote monitoring and predictive activation using GPS and weather data. The invention offers a practical, efficient, and intelligent solution for modernizing bus infrastructure and improving operational reliability in adverse weather conditions.



21: 2026/01405. 22: 2026/02/03. 43: 2026/10/01
51: C12P
71: Dr. Pragya Kulkarni, Ms. Anamika Sharma
72: Dr. Pragya Kulkarni, Ms. Anamika Sharma
54: A PROCESS FOR BIOGENIC SYNTHESIS OF ZINC OXIDE NANOPARTICLES USING PENICILLIUM CITRINUM FOR INSECTICIDAL APPLICATIONS AGAINST SPODOPTERA LITURA
00: -
This invention relates to a green chemistry process for biogenic synthesis of zinc oxide nanoparticles using Penicillium citrinum IBA5VYT for insecticidal applications against Spodoptera litura. The process involves isolating Penicillium species from soil

samples, screening for pathogenic potential, and selecting the most efficacious isolate. Fungal biomass extract is prepared and mixed with zinc sulfate solution under alkaline pH with sonication. The synthesized nanoparticles are purified, dried at 60°C, and annealed at 540°C. Characterization is performed using UV-VIS, XRD, SEM, and FTIR techniques. Insecticidal efficacy evaluation at 100-500 ppm concentrations demonstrates complete mortality at specific doses against third and fourth instar larvae, establishing the biosynthesized nanoparticles as an eco-friendly, effective alternative to conventional chemical pesticides.

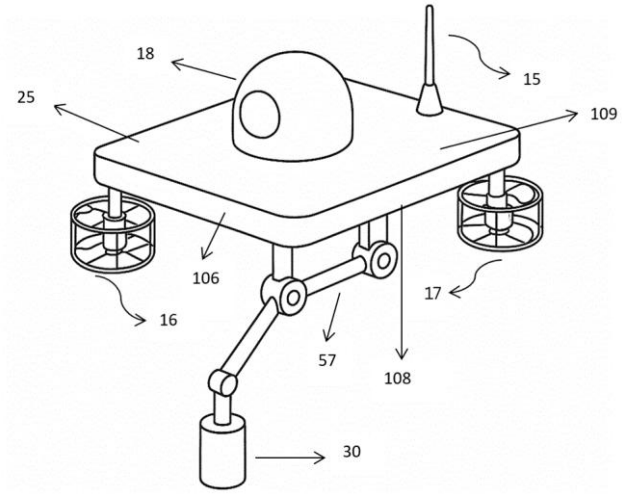


21: 2026/01406. 22: 2026/02/03. 43: 2026/10/01
51: G05D
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: SUBRAMANIYA SIVA AYYAR, YAAKSHINI MURUGANANDAM, SANGAMITHRA SARAVANAN, ALIN JUDITH ABEL, GAYATHRI CHELLA PANDIYAN

54: AN AUTONOMOUS CORAL RESTORATION DRONE SYSTEM

00: -

The present invention discloses an autonomous underwater drone system (50) for precision-based coral reef restoration. The system includes a corrosion-resistant drone body with a floating or hybrid frame (25) for buoyancy, a visual monitoring unit (18), communication antenna (15), dual propulsion modules (16, 17), a manipulative robotic arm (57), a biodegradable dispensing unit (30), an environmental sensor suite (106), a rechargeable battery pack (108), and a marine-grade photovoltaic cell (109). The drone operates autonomously or semi-autonomously, using visual and sensor feedback to identify suitable coral planting sites. Coral fragments are retrieved from onboard storage and secured to reef substrates using marine-safe adhesive. The propulsion system enables six degrees of motion for precise placement. The sensor suite monitors parameters like temperature, pH, and turbidity, while the camera captures real-time data for mapping and verification. This modular, eco-friendly system reduces the need for diver intervention, increases coral survival rates, and enables scalable, repeatable reef restoration.



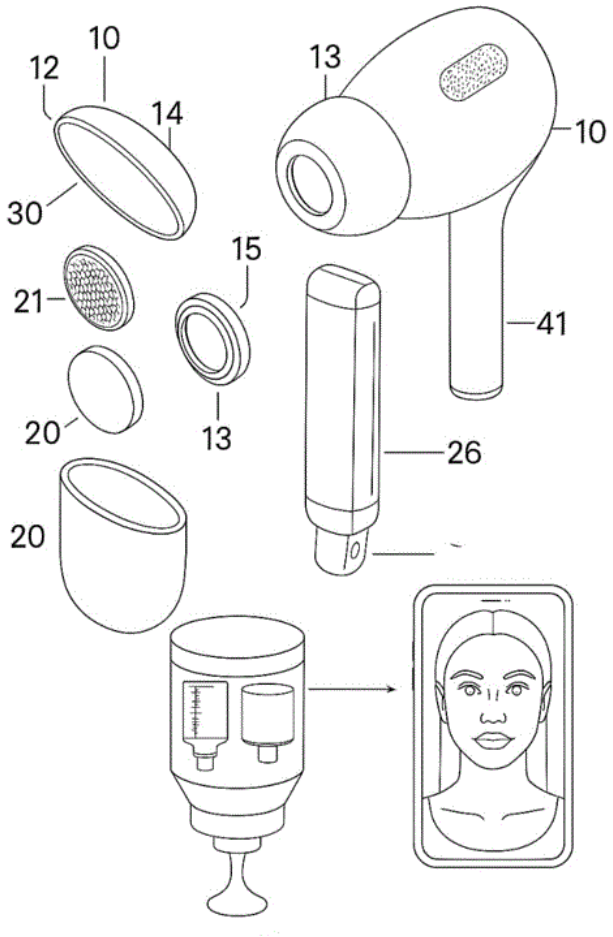
21: 2026/01407. 22: 2026/02/03. 43: 2026/10/01
51: A45D
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Bhaskaran Senthil Raja Manokar, Pooja Sundarraj, Praveena Sathasivam

54: NEURO-LIGHT SMART FOUNDATION SYSTEM

00: -

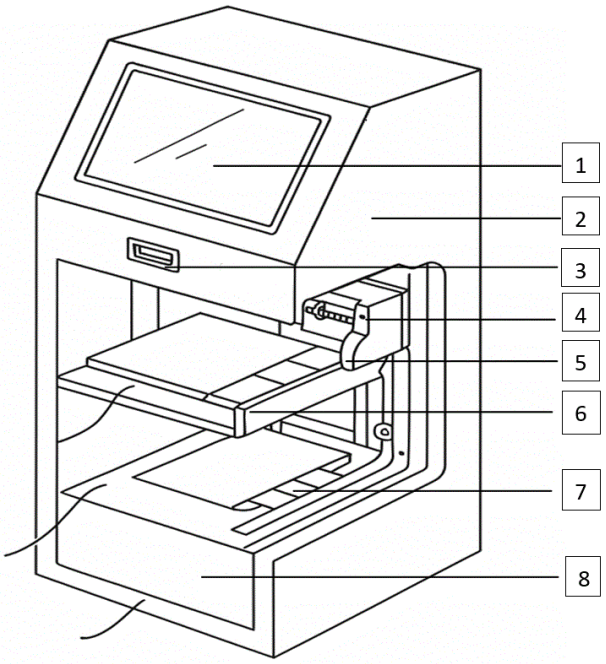
The present invention discloses a Neuro-Light Smart Foundation System (10) that dispenses personalized foundation based on neural signals and ambient lighting, eliminating the need for manual shade selection. The system comprises a transparent foundation bottle, pigment cartridges (Shade A and B), a cap-mounted ambient light sensor, and a neural sensing device worn as in-ear EEG earbuds. The EEG device detects user intent via dry electrodes, while the light sensor captures illuminance and color temperature. An integrated microcontroller (MCU) with an Artificial Intelligence + Machine Learning engine processes EEG and lighting data to determine the optimal foundation

blend. A micro-mixing motor proportionally blends the pigment shades into a nano-adaptive gel, which is dispensed through a precision nozzle. A mixing chamber allows dynamic tone adjustment based on real-time feedback. Optionally, a skin-tone sensor below the nozzle enables further refinement post-application. The system enhances shade accuracy, reduces user effort, and delivers intelligent, personalized cosmetic application.



21: 2026/01408. 22: 2026/02/03. 43: 2026/10/01
51: B41F
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: SARUTHI BHARATHITHASAN, SOUNDHARYA SUBRAMANI, VINCY LEENA FRANCIS
54: SELF SERVICE PRINTING MACHINE
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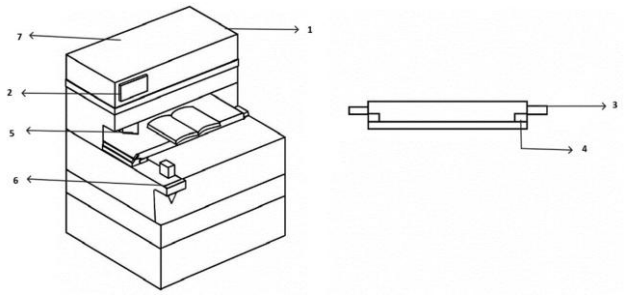
The present invention discloses a self-service printing machine allows documents to be printed independently without the use of external computers or human intervention. The machine has a printer unit that can be operated to process print jobs, an input paper tray for feeding sheets, an output paper tray for collecting printed documents, a touchscreen display unit (1) for user interaction, and a USB port (3) for accessing files from external storage devices. The input tray (6) has an infrared (IR) sensor (4) to measure paper levels and send refill notifications. A sturdy, impenetrable enclosure contains every component. The system is controlled by an embedded control board, such as a Raspberry Pi (2), which coordinates input, output, and printing. The innovation provides a small, safe, and easy-to-use remedy for printing in institutional or public settings.



21: 2026/01409. 22: 2026/02/03. 43: 2026/10/01
51: B41L
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Dhaaraani Ravichandran, Angu Raguraman Venkatachalam, Abinaya Muthubalasubramaniyan Subbulakshmi O, Sathiya Priya Sundaravadhanam, Sabreen Mahaboob Basha
54: BOOK WRAPPING MACHINE
00: -

The invention relates to an automatic book wrapping machine (10) designed to streamline and automate the process of covering books with brown paper. The process begins with the placement of a book on the adjustable book placing tray (1), where sensors

detect the book's dimensions. These dimensions are used to calculate the appropriate size of the brown cover required. A motorized roller unrolls the brown paper from the cover roll (3), and a cutting mechanism precisely trims the sheet based on the measurements. A glue dispensing system (6) then applies adhesive to the required areas of the paper. The system uses sticks with servo motors to wrap the book tightly and neatly. A digital display (2) is included to guide the user through the process, show system status, and allow manual inputs. The sliding door (7) protects the user during operation and ensures the safety of moving components. The invention significantly improves speed, reduces labour, and ensures uniform wrapping quality. It minimizes material waste and reduces user fatigue, making it an ideal solution for bulk operations. The machine's design is modular, adaptable to various book sizes, and can potentially handle different wrapping materials. This innovative system introduces a new level of efficiency and automation in the book packaging domain, promoting productivity and quality in educational and commercial settings

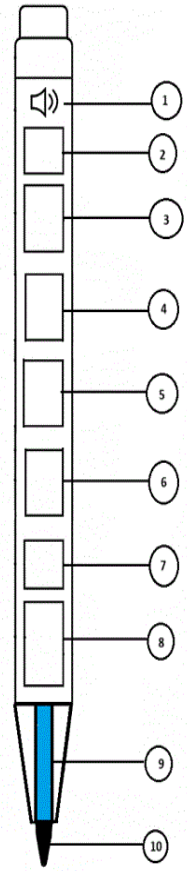


21: 2026/01410. 22: 2026/02/03. 43: 2026/10/01
51: G06F
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: NAGASUNDAR MUTHUVEERAPPAN, TAMIL JEEVAN MUTHAMILSELVAN, VIDYA SRI SURESH, BHAVANI PALANIVEL

54: AI ORAL READING PEN SPELLING MISTAKE DETECTOR SYSTEM

00: -

The present invention discloses an AI-powered oral reading pen and spelling mistake detector system (14) designed to assist individuals with dyslexia in improving their reading and writing skills. The system (14) comprises a compact, handheld pen device embedded with a microphone (2) configured to capture real-time speech during reading, and an optical sensor (8) configured to detect and analyse handwritten words. A microcontroller (4) processes the captured audio and handwriting inputs using embedded AI/ML-based speech recognition and optical character recognition (OCR) algorithms to identify mispronunciations and spelling errors. An embedded speaker (1) provides immediate corrective audio feedback and positive reinforcement upon accurate reading or correction. The system further includes motion (7) and pressure sensors (6) to detect writing activity and ensure synchronized analysis. A memory unit (3) stores pronunciation data, dictionaries, and user performance logs, while a rechargeable battery (5) powers the integrated components. The device operates independently of external applications or mobile connectivity, offering a portable, user-friendly, and intelligent learning companion for dyslexic users. The invention provides real-time correction, progress tracking, and auditory support, promoting confident and independent reading and writing.

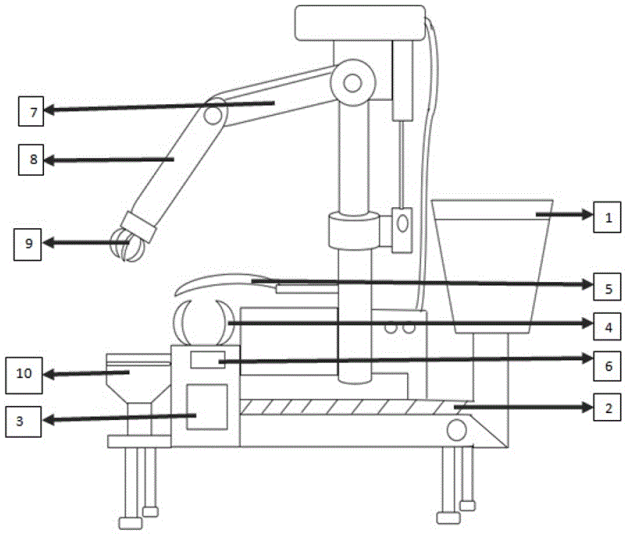


21: 2026/01411. 22: 2026/02/03. 43: 2026/10/01
51: A23L
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Nagarajan Ramanathan Nagarajan, Dr. Muruganantham Thangaraj, Uma Devi Sathyanarayanan, Shahin Ashika Kalander Mydeen, Rakshitha Sakthivel

54: ICE APPLE PULP EXTRACTOR

00: -

The present invention is an ergonomic pulp extractor tool for ice apple to automate and simplify the process of extracting pulp from delicate ice apples. The equipment consists of a feeding tray (1), for receiving and orienting the ice apples, a conveyor belt (2), for transporting the fruits in a smooth manner to the processing station, and a robotic arm (3), equipped with a rotating hand (4) fitted with silicone-coated fingers for non-destructive manipulation. The second process is then succeeded by gripping the ice apple in the serrating unit (5), where the cutting blade (6) severs the outer shell but not the pulp. Following the cut, a pulp extractor mechanism (7) gently peels off the soft pulp from the skin with optimum yield and quality retention. Sensors (8) arranged throughout the device ensure simultaneous grip, cut, and extraction operation. Hygienic collection of removed pulp occurs in a storage box (10). The entire system is controlled by a programmable controller, providing automatic, efficient, and safe removal of pulp for industrial and commercial applications.



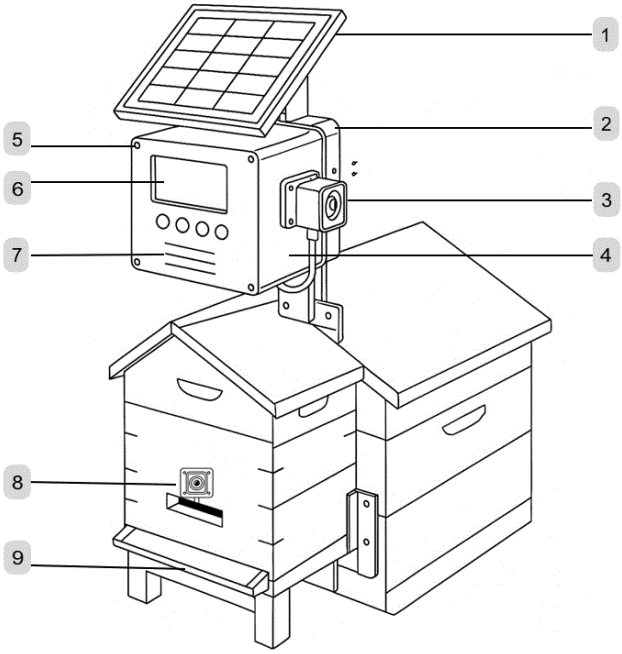
21: 2026/01412. 22: 2026/02/03. 43: 2026/10/01
51: G06F
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: KARTHIK MANIVEL, MOUNESHWAR KARTHIKEYAN, KABILESH VIJAYAKUMAR PADMA, KEERTHIVASAN RAJASEKAR, KRITHICK ANGUSAMY

54: AI-BASED BEEHIVE MONITORING AND DIAGNOSTIC SYSTEM

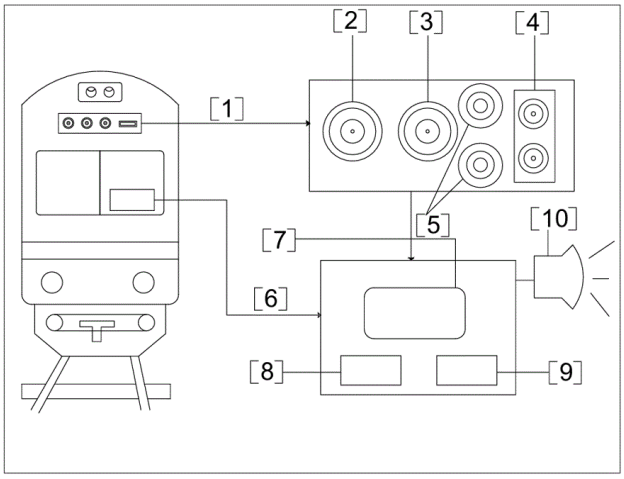
00: -

An AI-powered beehive monitoring and diagnostic system (50) that essentially gives beekeepers a 24/7 watch over their colonies, but without ever having to disturb them. At the heart of it is a small unit with a high-definition Wide-Angle USB Camera (8) and some environmental sensors (6), all hooked up to a little computer, the edge AI process unit (3). It watches the comings and goings of the bees, their foraging patterns, and even if they're carrying pollen. The whole idea is to catch the earliest signs of trouble, like disease, a failing queen, or swarm preparations, long before you'd spot them during a manual inspection. The system doesn't just look at

the bees; it also keeps tabs on temperature, humidity, and other conditions to get the full picture. We even designed it so you can add optional modules, like a load cell sensor (9) to monitor the nectar flow by tracking the hive's weight, or other advanced sensors (6) like acoustic sensors that can pick up on specific sounds like the queen piping. What makes our system (50) really clever is that when you first set it up, it takes time to learn the unique rhythm and normal behaviour of that specific hive. So, it only flags an issue when something deviates from the personal baseline generated by the processor, which cuts down on false alarms. The data, stored locally on an SD Card or USB Drive (7), can also be sent to a secure cloud platform where more powerful AI looks for long-term trends. We made sure it was practical for real-world use.



21: 2026/01413. 22: 2026/02/03. 43: 2026/10/01
51: B61B
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: RAMA BALASUBRAMANIAN, DHARANISHA THANGAPANDI RENUKA DEVI, GOPIKA GUNASEKARAN, KIRUBA ABIGAIL RAJENDRAN, NAVIYA BABU
54: RAILWAY ACCIDENT DETECTION SYSTEM
00: -
The invention herein disclosed is a portable, train-based obstacle identification and collision avoidance system intended to improve railway safety by detecting and analysing possible danger sources on the railway track in real time. The system is installed on the front of the locomotive, usually below the headlight, and brings together three forms of cameras a Laser Range Finder (LRF) [5] camera for accurate distance measurement, a thermal infrared camera [3] for night or low-visibility sensing, and a day vision camera [2] for daytime monitoring. When the object is found to be beyond a safety limit and is in a proximity zone critical for safety, a warning mechanism automatically within the loco pilot's cabin is activated and the main control room. This warning is visible and audible. The system is contained in a protective sensor mounting with a vibration-resident bracket, as illustrated in the figure. The diagram shows the configuration of the main components: the camera modules aligned (LRF [5] , thermal [3] , and day cameras [2]), the sensor (LIDAR) [4] housing, the object detection unit, the structural frame for mounting, and the module for alert transmission. Constructed to operate all in weather and light conditions, the system provides consistent performance on the straight roads, curves, bridges, and unmanned crossings. Its modular structure can fit most locomotive types and be powered through the train's onboard electricity supply or an independent unit. By combining advanced detection technology with real-time alerting, this breakthrough significantly reduces the incidence of railway accidents and provides a smart, forward-looking safety solution for modern rail operations.



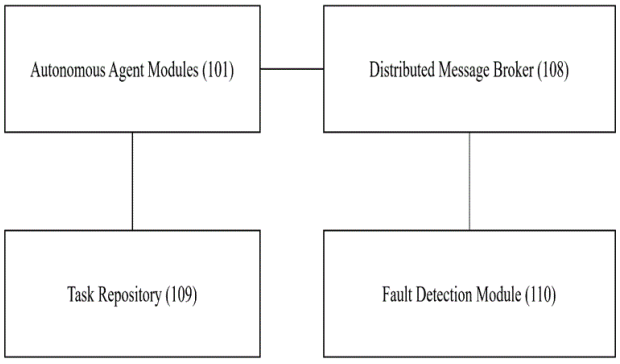
21: 2026/01414. 22: 2026/02/03. 43: 2026/10/01
51: G06F

71: Dr Saleem Basha Mohamed Sulaiman, Mr Shajahan Gani Mohamed Ismail
72: Dr Saleem Basha Mohamed Sulaiman, Mr Shajahan Gani Mohamed Ismail

54: A DISTRIBUTED AGENTIC ARTIFICIAL INTELLIGENCE SYSTEM FOR ADAPTIVE TASK MANAGEMENT

00: -

The Present invention relates to an distributed agentic artificial intelligence system for adaptive task management is disclosed. The system comprises a plurality of autonomous agent modules (101) deployed across distributed computing nodes. Each agent module (101) includes a task analysis unit (102), a decision engine (103), a communication interface (104), a learning module (105), an execution controller (106), and a local state database (107). The agent modules (101) are interconnected through a distributed message broker (108) and interact with a task repository (109) storing task definitions and execution results. Task allocation is performed through decentralized inter-agent negotiation without reliance on a centralized scheduler. Each agent independently analyzes tasks, negotiates execution responsibility, and executes assigned tasks while monitoring resource usage. Execution outcomes are used by the learning module (105) to adapt future decision-making. A fault detection module (110) monitors agent health and initiates autonomous task reassignment upon agent failure, enabling scalable and fault-tolerant distributed task execution.

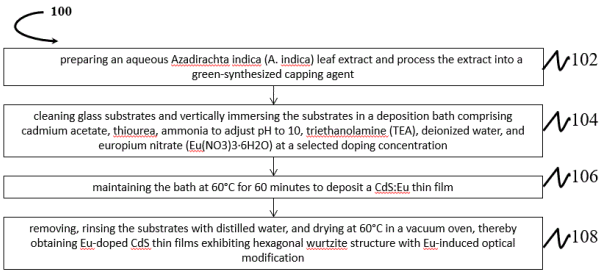


21: 2026/01415. 22: 2026/02/03. 43: 2026/10/02
51: C01G
71: Dr. Kusumanjali Deshmukh, Dr. Jagjeet Kaur Saluja, Ms. Sapna Soni
72: Dr. Kusumanjali Deshmukh, Dr. Jagjeet Kaur Saluja, Ms. Sapna Soni

54: A PROCESS FOR GREEN SYNTHESIS OF EUROPIUM-DOPED CADMIUM SULFIDE (CDS:EU) NANOCRYSTALLINE THIN FILMS

00: -

The present invention relates to a process for synthesizing europium-doped cadmium sulfide (CdS:Eu) nanocrystalline thin films. Europium-doped CdS nanocrystalline thin films are synthesized via green chemical bath deposition using Azadirachta indica leaf extract (10 g/40 mL) as capping/reducing agent with cadmium acetate, thiourea, ammonia (pH 10), TEA, and $Eu(NO_3)_3$ (0.01-0.1 M) at 60°C/60 min on glass substrates. XRD confirms hexagonal wurtzite structure with lattice expansion; UV-Vis shows band gap redshift (3.3 to 2.2 eV); PL reveals Eu^{3+} emissions (616-620 nm, optimal at 0.01 M). DFT (SIESTA, GGA-PBE) validates 4f gap states and stability (-3.53 eV/atom). This sustainable method tunes optical properties for photonic/optoelectronic devices.



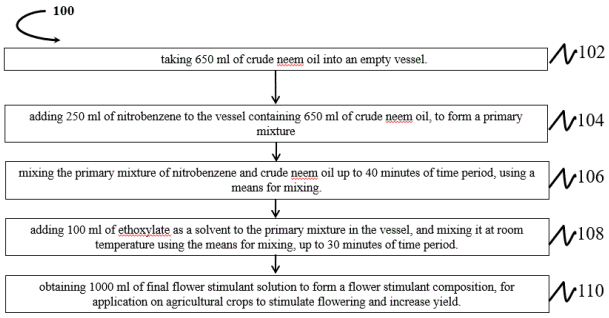
21: 2026/01416. 22: 2026/02/03. 43: 2026/10/02
51: A01N
71: Dr. Amrut Gunwantrao Gaddamwar, Dr. Manojkumar Omprakash Malpani, Dr. Vivek Dudharam Mane, Dr. Vikas Madhukar Bangade, Dr. Gundu Mallikarjun, Dr. Prashant Ghansham Borkar
72: Dr. Amrut Gunwantrao Gaddamwar, Dr. Manojkumar Omprakash Malpani, Dr. Vivek Dudharam Mane, Dr. Vikas Madhukar Bangade, Dr. Gundu Mallikarjun, Dr. Prashant Ghansham Borkar

54: METHOD FOR PREPARING A FLOWER STIMULANT SOLUTION FOR INCREASING THE AGRICULTURAL CROP YIELD, AND COMPOSITION FOR THE SAME

00: -

The present invention relates to a method for preparing a cost-effective flower stimulant solution from crude neem oil, nitrobenzene, and ethoxylate for agricultural application. The method comprises mixing 650 ml crude neem oil with 250 ml nitrobenzene in sunlight for 40 minutes, followed by addition of 100 ml ethoxylate as solvent and mixing for 30 minutes. Due to presence of Nitrobenzene,

and ethoxylate in solution hence this composition plays an important role in the energize the plant as well as stimulate flower in the above crop. The field trials are conducted on cotton and pigeon pea crop got excellent result. The composition is diluted with water and applied as foliar spray on cotton and pigeon pea crops after 70 days of sowing. The flower stimulant energizes plants, stimulates flowering, and increases crop yield. Field trials demonstrate excellent results with significantly enhanced yield compared to control plants, offering a low-cost alternative to expensive commercial flower stimulants.

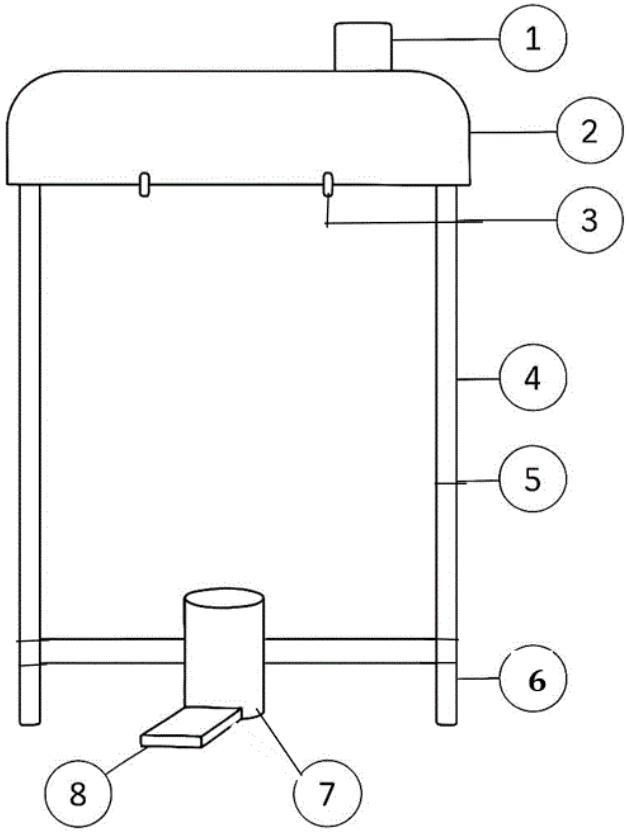


21: 2026/01417. 22: 2026/02/03. 43: 2026/10/02
51: A61L
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: ROSELIN SUGANTHI JESUDOSS, SUVATHI SIVA, LOGESHWARI ILAYAPERMAL, SATHYA SANKAR, YOGASHINI GANESAN

54: A NAPKIN DISSOLUTION SYSTEM

00: -

The present invention discloses a napkin dissolution system(10) for disposing the napkin in a bin(50) with a chemical solution and dissolve them at the maximum level without burning them. The bin(50) will have a significant material which will not expose chemical outside the bin(50). It needs a chemical solution which will convert the napkin into a tiny ball. That chemical is composed of acetic acid, sodium hydroxide, potassium hydroxide and the enzyme. That (50)bin has a outer layer of PVC plastic(4) material and additionally a inner layer of tungsten(5), in bottom it has a disposal tray(7) which is tightly wrapped inside the hole(8), only if needed to dispose the napkin dissolved balls. We can pull them for the disposal of that balls and helps us to prevent from gas leakage. It has the sensor(1) to sense the proximity of the object around 20 to 30cm and give the condition to the motor(1) to open them. which will sense the hand and helps in open and close process of the cap(2) for disposing the napkin. This can be maintained if proper and regular way of maintenance is present, if not then unpleasant odour will get a chance of existence.the Arduino used to code for the sensor is placed side to the bin with protection and will be coded with a program for the sensing nature of the Arduino board.



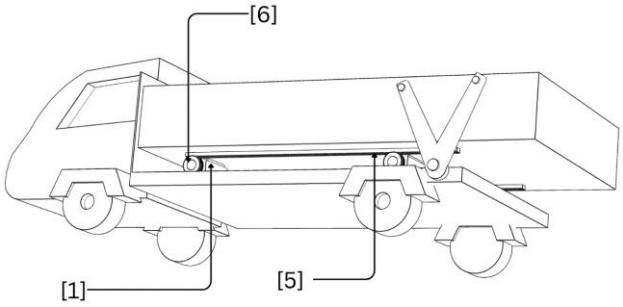
21: 2026/01418. 22: 2026/02/03. 43: 2026/10/02
51: G01N
71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
72: Gautham Chandrasekar, Niranjan Rengarajan, Prasanna Thiruvarangan, Arulraj Rajendran

54: AN EXTEND LOAD TRAY SYSTEM

00: -

The present invention discloses an extend load tray vehicle (10) incorporating a permanently integrated, motor-controlled cargo extension system designed to enhance loading capacity and operational efficiency in electric and other compatible vehicles. The system comprises a fixed load tray (2) secured

to the vehicle chassis and an additional extendable load tray (3) mounted for linear movement along at least one guide rail (5) and supported by at least one load-distribution beam (4). A motor assembly (1) drives the extension and retraction of the additional load tray (3) in a controlled manner, with an electronic control unit (7) managing speed, positional accuracy, and safety interlocks. A locking mechanism (6) secures the tray in either retracted or extended positions to prevent unintended movement. The system is configured for variable-speed operation, obstruction detection, and compatibility with hydraulic or hybrid actuation for higher load capacities. By integrating the extension mechanism into the vehicle structure, the invention ensures stability, minimizes manual effort, and enables efficient, safe cargo handling.

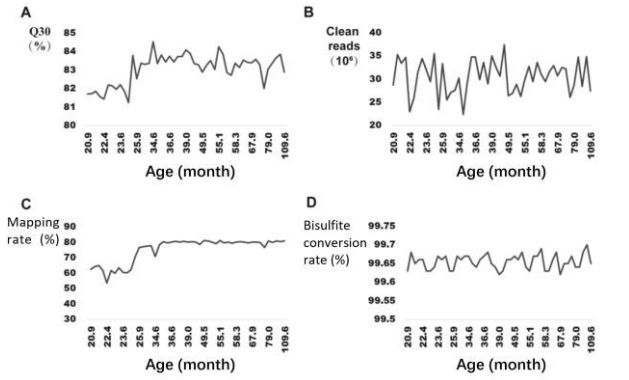


21: 2026/01420. 22: 2026/02/03. 43: 2026/10/05
51: G16B
71: CHINA AGRICULTURAL UNIVERSITY
72: YU, Ying, CHEN, Siqian, TANG, Yongjie, FENG, Xia, LI, Wenlong, AN, Songyan
33: CN 31: 2023108034749 32: 2023-07-03

54: METHOD AND DEVICE FOR PREDICTING BULL SEMEN QUALITY

00: -

Disclosed are a method for predicting semen quality of a bull, a device therefor, and a computer-readable storage medium. The method screens 83 CpG sites from known methylation profile data of bull sperm based on variability in methylation levels, and constructs an epigenetic clock using elastic net regression with the screened CpG sites. The epigenetic clock is used to predict an age of a subject bull. Semen quality is predicted based on epigenetic age acceleration, defined as a difference between the predicted epigenetic age and a chronological age of the bull, and may be used for selection and breeding of bulls.

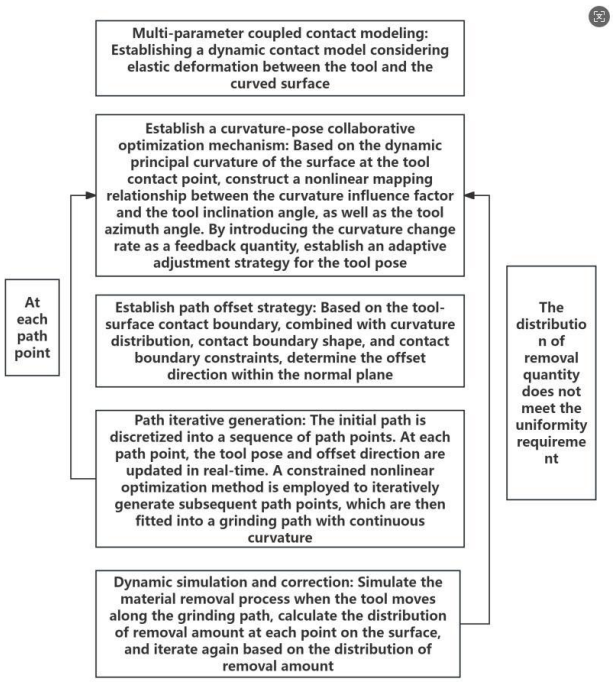


21: 2026/01421. 22: 2026/02/03. 43: 2026/10/05
51: G05B
71: ANHUI POLYTECHNIC UNIVERSITY
72: WANG Qiang, LIU Youyu, ZHANG Kun, WAN Yucheng, HUA Sukun, LU Junhao, MA Shengwang
33: CN 31: 202511878724.0 32: 2025-12-12

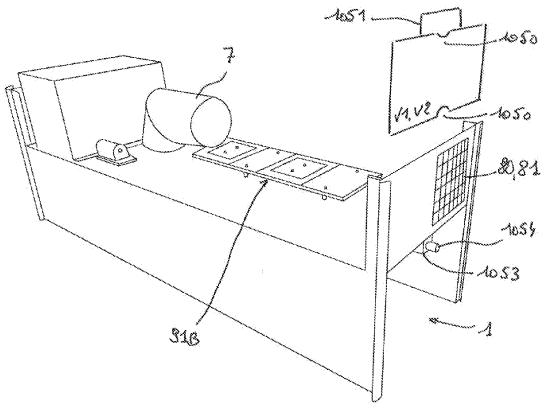
54: GRINDING PATH PLANNING METHOD BASED ON CURVATURE PERCEPTION AND TOOL POSTURE COLLABORATIVE OPTIMIZATION

00: -

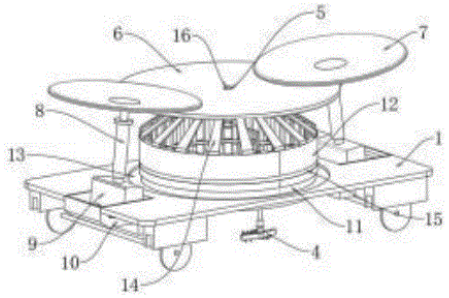
This invention pertains to the grinding process of complex curved surface components, specifically to a grinding path planning method based on curvature perception and tool posture collaborative optimization. Through multi-parameter coupled contact modeling, it calculates the contact width and effective grinding area between the tool and the curved surface. Based on the dynamic main curvature of the curved surface at the tool contact point, a curvature influence factor is constructed to achieve adaptive adjustments of the tool inclination and tool azimuth angle. The path offset direction and distance are dynamically determined based on the contact boundary and residual height constraints. A constrained nonlinear optimization method and B-spline curve fitting are utilized to generate a globally smooth, curvature-continuous, and high-quality grinding path. Finally, closed-loop parameter correction is completed through material removal simulation. The technical solution provided by this invention can effectively overcome the problems existing in the prior art, such as strong dependence on fixed rule paths and inability to adapt to dynamic changes in the geometric characteristics of the curved surface, which lead to lower processing quality.



21: 2026/01427. 22: 2026/02/03. 43: 2026/10/05
51: A01M
71: EUREKA-CONCEPT SRL
72: MICHEL, Luc
33: BE 31: 2023/0062 32: 2023-08-29
54: DEVICE FOR ELECTROCUTING A RODENT
00: -
The invention relates to a device for electrocuting a rat, the device comprising a prechamber (1) with openings (1A, 2A) that are capable of being closed by flaps (V1, V2) sliding in angle irons. When the flaps (V1, V2) move downward, vibrations are generated in the prechamber (1).



21: 2026/01441. 22: 2026/02/04. 43: 2026/10/05
51: A01B
71: Hainan Seed Industry Laboratory, Sanya Institute of Breeding and Multiplication, Hainan University, Changjiang Guangling Agricultural Technology Co., Ltd.
72: SI, Chengcheng, LUO, Zhiyong, HUANG, Hefei, ZHU, Zijian, SUN, Tong, LI, Yujie
33: CN 31: 202610057653.6 32: 2026-01-16
54: A ANTI-BLOCKING ROTARY TILLAGE DEVICE FOR SIMULTANEOUS APPLICATION OF WATER AND FERTILIZER IN SWEET POTATO PLANTING
00: -
The invention relates to the field of agricultural machinery technology. The technical scheme includes: planting component placement frame and rotating the lower guide gear installed inside the planting component placement frame, as well as the upper positioning gear. The internal meshing connection of the upper positioning gear is connected with the lower positioning gear, and the internal rotation connection of the lower positioning gear is connected with the rotary bar. The arc-shaped surface of the arc-shaped storage block of the invention is inserted into the deep part of the land, and the land is opened. The arc-shaped storage block turns up part of the land, and the positioning push plate turns the upturned land out to facilitate the soil ploughing before later planting, improve the integration of planting, and facilitate the staff of the land to plough according to the opened ring, which improves the efficiency of ploughing.



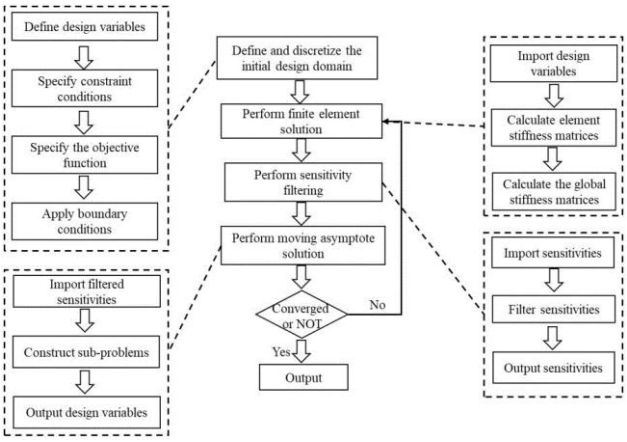
21: 2026/01443. 22: 2026/02/04. 43: 2026/10/01
51: B60R
71: Zhejiang University of Science and Technology
72: SONG Leipeng, XIANG Xinjian, LOU Guidong, LI Yang, FEI Zhengshun, ZHENG Yongping, XU

Xiaozhou, ZHANG Zhenyi, DAI Jiahao, HUANG Bingqiang

54: ENERGY-ABSORBING BOX BASED ON NEGATIVE POISSON'S RATIO STRUCTURE AND DESIGN METHOD THEREOF

00: -

The invention belongs to the technical field of automotive safety, and specifically relates to an energy-absorbing box based on a negative Poisson's ratio structure and its design method. The energy-absorbing box includes: a front mounting plate, a negative Poisson's ratio structure and a rear mounting plate; the front and rear ends of the negative Poisson's ratio structure are respectively connected to the front mounting plate and the rear mounting plate; the negative Poisson's ratio structure is integrally arranged between the gap of the front and rear bumpers of the vehicle body and the inner beam of the vehicle; the negative Poisson's ratio structure is composed of negative Poisson's ratio cells arranged periodically. The invention is characterized in that through a topological optimization design method, with a specified negative Poisson's ratio value as a constraint condition and the overall maximum energy absorption as an objective function, the material layout of the energy-absorbing box structure can be optimized to the best.

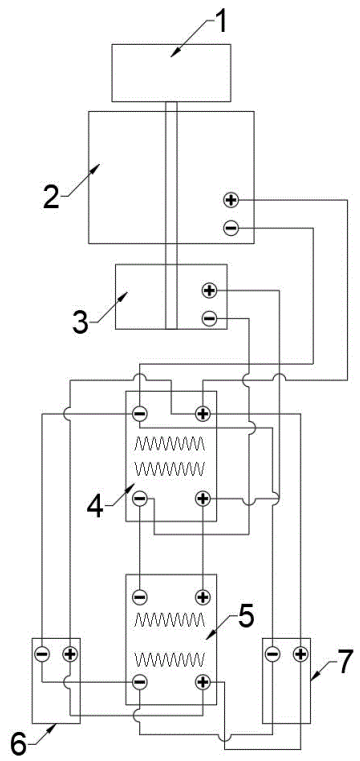


21: 2026/01444. 22: 2026/02/04. 43: 2026/10/01
51: H02J
71: Mingde Zhao
72: Mingde Zhao

54: HIGH-EFFICIENCY ELECTRIC ENERGY CYCLIC CONVERSION AND UTILIZATION APPARATUS

00: -

The invention provides a high-efficiency electric energy cyclic conversion and utilization apparatus, relating to the field of electric power and energy. The apparatus comprises a load area, a driving motor, a generator, a voltage distributor, a voltage controller, a first battery, and a second battery. The load area is used to connect load equipment and is connected to the driving motor, and the driving motor and the generator are integrated and coaxially arranged to operate synchronously. The voltage distributor comprises an A terminal set and a B terminal set, and the voltage controller comprises a C terminal set and a D terminal set, wherein the voltage distributor and the voltage controller cooperate to realize intelligent distribution of electric energy. The two batteries independently supply power and alternately perform charging and discharging, wherein electric energy generated by the generator is preferentially supplied to a battery with insufficient power, and surplus electric energy is directly supplied to the driving motor. The apparatus achieves high-efficiency electric energy conversion, continuous electric energy supply, intelligent electric energy management, and reliable power supply, does not rely on a power grid, is suitable for complex environments, and solves the problems of large energy loss and unstable power supply in conventional apparatuses.



21: 2026/01445. 22: 2026/02/04. 43: 2026/10/01
51: A01H
71: Shandong Institute of Pomology
72: XUE Xiaomin, CHEN Ru, WANG Laiping
54: TISSUE CULTURE RAPID PROPAGATION MEDIUM AND PROPAGATION METHOD FOR APPLE REPLANT DISEASE-RESISTANT DWARF ROOTSTOCK G41
00: -

The invention discloses a tissue culture rapid propagation medium and propagation method for apple replant disease-resistant dwarf rootstock G41. The medium comprises an initiation medium, a proliferation medium and a rooting medium. Among them, the initiation medium is composed of MS medium, 6-benzylaminopurine (6-BA), indole-3-butyric acid (IBA), 1-naphthaleneacetic acid (NAA), sucrose, and agar; the proliferation medium is composed of MS medium, 6-benzylaminopurine (6-BA), indole-3-butyric acid (IBA), sucrose, and agar; the rooting medium is composed of one-half MS medium, indole-3-acetic acid (IAA), indole-3-butyric acid (IBA), sucrose, and agar. The invention performs tissue culture treatment on G41 shoot tip explants through the initiation medium and proliferation medium, and then induces rooting of tissue culture seedlings through the rooting medium, replacing the traditional cuttage and layering propagation methods. It effectively solves the problems of G41 rootstock being difficult to take root by cuttage, low propagation coefficient of layering and easy damage to root systems, significantly improves the seedling establishment survival rate of seedlings, and provides reliable technical support for the industrial seedling raising of apple replant disease-resistant dwarf rootstock G41.

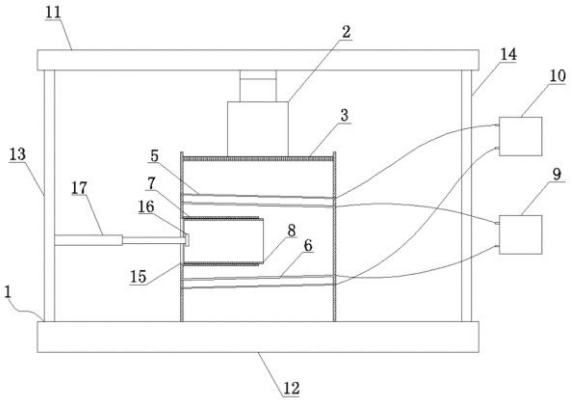


21: 2026/01446. 22: 2026/02/04. 43: 2026/10/01
51: B03B
71: Central South University
72: SHEN Louyan, ZHAO Hongbo, MENG Xiaoyu, ZHANG Yisheng
54: DEEP SEPARATION METHOD OF COPPER-ZINC MIXED ORE
00: -

The invention relates to the fields of mineral processing and hydrometallurgy, and specifically discloses a deep separation method of copper-zinc mixed ore. The separation method includes crushing, screening, and grinding the copper-zinc mixed ore to obtain copper-zinc ore powder with an appropriate particle size; leaching zinc from the copper-zinc mixed ore using the copper-zinc ore powder in the selective leaching agent, while only trace amounts of copper and iron are dissolved during the leaching process; after solid-liquid separation, low-zinc and high-grade copper concentrate and zinc-containing leachate are obtained; subjecting the zinc-containing leachate to sulfidation precipitation, and after solid-liquid separation, high-grade sphalerite is obtained. The method for deep separation of copper-zinc ore used in the invention has low requirements on raw ore and a wide range of ore sources, such as flotation

mixed concentrates, natural copper-zinc mixed ores, and copper-zinc mixed ores enriched by other methods. It has no strict requirements on ore grade, may process low-grade mineral resources, and improves resource utilization rate.

21: 2026/01447. 22: 2026/02/04. 43: 2026/10/01
51: E02D
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY, SHANGHAI FOUNDATION ENGINEERING GROUP CO., LTD.
72: Tao HAN, Tingting LUO, Weihao YANG, Baosheng WANG, Chi ZHANG, Zhijiang YANG, Yu ZHANG, Yang ZHOU, Zeliang HAN, Yuming CHEN, Wenqiang JIA, Wenqiang ZHAO
33: CN 31: 2025103626246 32: 2025-03-26
54: SIMULATION TEST SYSTEM AND TEST METHOD FOR EXCAVATION AND SUPPORT OF FREEZE-SEALED UNDERGROUND NON-UNIFORM THICKNESS FROZEN SOIL
00: -
A simulation test system and test method for excavation and support of freeze-sealed underground non-uniform thickness frozen soil, wherein the system comprises: an excavation simulation assembly embedded inside the test box, the excavation simulation assembly including an inner steel cylinder and an outer tunnel segment body; multiple inner ring freezing pipes arranged inside the test box; multiple outer ring freezing pipes circumferentially and evenly distributed outside the excavation simulation assembly, and circumferentially and evenly distributed outside the multiple inner ring freezing pipes; a pressurizing rib plate installed inside the opening end of the test box; a jack positioned between the pressurizing rib plate and the top beam. The method comprises: assembling the test system; applying axial load using the jack; supplying cooling medium to form a non-uniform thickness frozen curtain and collecting test data; simulating the excavation process by pulling the inner steel cylinder outward and collecting test data. The system and method can conveniently simulate the process of frozen excavation under non-uniform thickness freezing conditions, and can provide reliable technical support for underground engineering frozen support and excavation.



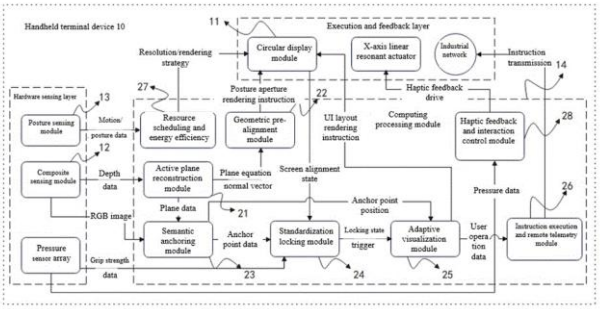
21: 2026/01448. 22: 2026/02/04. 43: 2026/10/01
51: G01N
71: Henan University of Urban Construction
72: LU, Min, GUO, Duanqiang, FANG, Gaixia, WANG, Weimin, WANG, Dongmei, WANG, Yanhong, HUANG, Weiwei, GUO, Yuping, WANG, Xue, HONG, Jun
54: RHIZOMA DIOSCOREAE ENZYME LIQUID AND PREPARATION METHOD THEREFOR
00: -
The present invention relates to a Rhizoma Dioscoreae enzyme liquid and a preparation method therefor. In the preparation method for a Rhizoma Dioscoreae enzyme liquid provided by the present invention, sugars produced by degrading starch with thermostable alpha-amylase and added sugars are used as a carbon source, and yeast peptone is used as a nitrogen source. Compound fermentation is performed on an enzymatically hydrolyzed Rhizoma Dioscoreae juice through yeasts and lactic acid bacteria, where the yeasts dominate alcohol production and gas production to generate abundant flavor precursors in a first fermentation stage; and the lactic acid bacteria utilize precursor substances to produce acid, shape a flavor and improve stability in a second fermentation stage. As a result, the prepared Rhizoma Dioscoreae enzyme liquid has a high content and rich types of free amino acids, and the Rhizoma Dioscoreae enzyme liquid has a rich flavor hierarchy.

21: 2026/01449. 22: 2026/02/04. 43: 2026/10/01
51: A47B
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72: Shen TIAN

54: IOT OPERATION AND MAINTENANCE HANDHELD TERMINAL TEACHING SYSTEM INTEGRATING MULTIPLE SENSORS

00: -

The present invention relates to the fields of industrial IoT operation and maintenance and augmented reality, and discloses an IoT operation and maintenance handheld terminal teaching system integrating multiple sensors, comprising a handheld terminal device with an internally integrated main circuit board and computing processing module, a circular display module on the front, and a composite sensing module comprising a vision acquisition unit and a depth sensing unit on the back. The main circuit board is provided with a through-hole at the corresponding center area of the screen, the optical principal axis of the vision acquisition unit passes through the through-hole and coincides with the geometric center normal of the circular display module, and the computing processing module is responsible for performing plane reconstruction, target recognition, and rendering visual teaching guidance information superimposed on the physical equipment. The present invention effectively solves the problems of parallax, false touches, and lack of interactive feedback in industrial operation and maintenance, and improves operational accuracy.

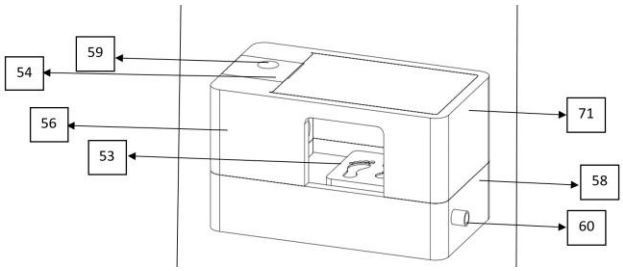


21: 2026/01453. 22: 2026/02/04. 43: 2026/10/02
51: B05B
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
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54: SAND DRY SPRAY

00: -

The present invention discloses a sand dry spray device (10) for cleaning and drying the foot without manual contact, thereby enhancing hygiene and reducing user effort. The sand dry spray device (10) comprises a foot pedal switch, a rubber gasket, a water storage tank with a removable water storage cap, a water sprayer, a blower fan, a waste storage unit and a removable cap. The rubber gasket (53) is configured to receive the foot and transmit pressure to the foot pedal switch (52). The foot pedal switch (52) is operably configured to activate the water sprayer (55), which draws water from the water storage tank (54) and sprays it over the foot for cleaning. The foot pedal switch (52) deactivates the sprayer and activates the blower fan (51), which directs focused air toward the foot for drying. The used water and sand are discharged through the waste exit (57) and collected in the detachable waste storage unit. The battery (56) powers the sprayer and blower, the removable cap (71) provides access to internal components for maintenance and cleaning. The present invention (10) reduces manual effort and provides an efficient solution for personal hygiene.



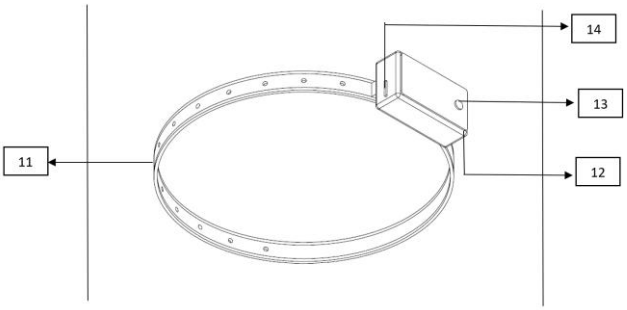
21: 2026/01454. 22: 2026/02/04. 43: 2026/10/02
51: G06F
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. AVUDAIAPPAN THARMIAH, Mr. ROSHAN JOSHUA RAJASEKARAN, Mr. VISVAJEET RAMESH KUMAR, Mr. MUKILAN KUMANAN, Mr. KAMALESH ARUMUGAM, Mr. DHINESH KUMAR ARUMUGAM

54: FASHION SMART BELT

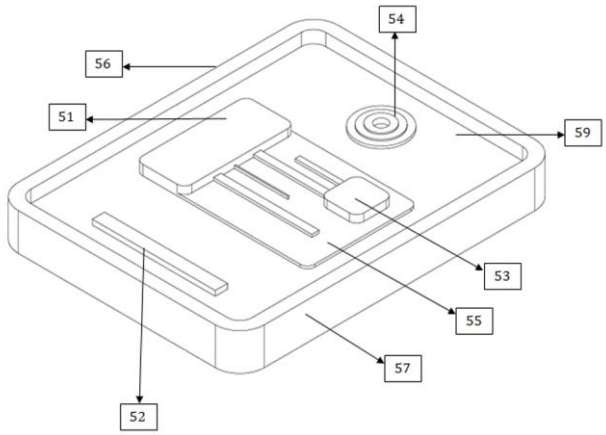
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The present invention discloses a fashion smart belt that combines style with intelligent functionality, offering dynamic, automatic and user – controlled adjustment for optimal comfort and convenience. The system consists of a belt body (11) and a compact smart buckle housing (12) that encloses key components including a dc motor (15), planetary gear system (16), ratchet mechanism (17), tension sensor (18), microcontroller unit (19), bluetooth

connectivity module (21), and a rechargeable lithium – ion battery (8). The motor – driven gear system allows the belt to tighten or loosen automatically based on real – time feedback from the tension sensor. Users can also control the belt manually via on/off button (13) or wirelessly through a dedicated mobile app (20). The app offers both direct control and predefined modes such as “active fit” for movement and “after meal relaxation” for post – meal comfort, enhancing usability in daily routines. Safety features are integrated into the microcontroller to prevent over – tightening, ensure smooth motor function and provide manual override in the event of a system failure or battery depletion. The buckle also includes a waterproof charging port (14) for safe and easy recharging. With its fashionable exterior and smart internal components, this invention delivers a next – generation wearable solution that merges comfort, control and aesthetics making it ideal for modern users seeking intelligent fashion accessories.

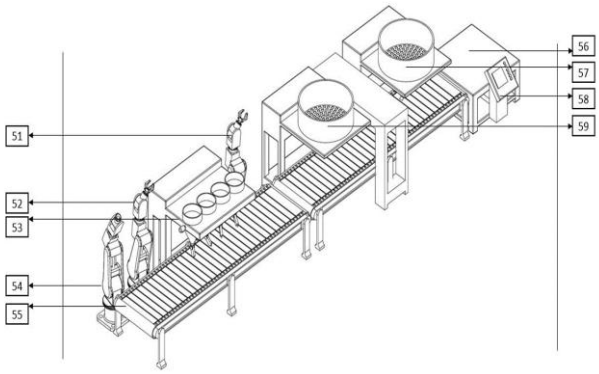


21: 2026/01455. 22: 2026/02/04. 43: 2026/10/02
51: B65C
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mrs.GOWRI VELANKANNI, Mr.MURALI KRISHNAN TIRUPPATTI, Mr.DHARANIDHARAN PUYALNATHAN, Ms.HARIENI BASKARAN, Ms.LIBINA XAVIER
54: DYNAMIC CLOTHING TAGS
00: -
The present invention discloses a dynamic clothing tag (50) designed for real-time, non-invasive monitoring of garment condition and care parameters to promote sustainable clothing usage. The tag integrates a flexible fabric-safe substrate (57) that contains a multilayer system with wash cycle detection sensors (51) and fabric stress detector (52) and detergent sensitivity sensor (53) and low-power microcontroller unit integrated on flexible printed circuit board (55) and NFC communication module (54). The sensor array obtains essential washing information by using capacitive sensing and strain-gauge measurement and pH-level detection technologies. Garment care metrics measured by the microcontroller (55) get directly stored for later wireless recovery. The device operates through passive NFC (54) to interface with its companion mobile application (58) so users can access tailored care recommendations and predictive alerts as well as fabric wear trends. Machine durability and wash-resistance features of the tag are protected via waterproof wash-safe equipment layer (56) which utilizes thermoplastic polyurethane (TPU) as its core material. This item has either adhesive backing that sticks and unsticks without textile damage or it uses a magnetic clasp system (57). The outer surface label area (59) enables users to print important care instructions and branding and visual information.



21: 2026/01456. 22: 2026/02/04. 43: 2026/10/02
51: B28B
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54: TRADITIONAL TILE MAKING MACHINE
00: -
The present invention discloses an automated traditional tile making machine (50) designed to replicate and automate the process of manufacturing handcrafted Aathangudi tiles, thereby enhancing

production efficiency while preserving the cultural aesthetic of traditional designs. The automated tile making machine (50) comprises a set of robotic arms (51, 52, 54), a dye tank with precision dispensing nozzles (53), a cement hopper (57), a sand hopper (59), a conveyor belt (55), a tile compression unit (60), and a real-time display panel (58). The robotic arms are configured to place glass sheets, insert decorative molds, and remove tile molds in a synchronized sequence. The dye tank (53), connected to dye pouring nozzles (61), dispenses colored patterns into the mold with high accuracy. The cement hopper (57) and sand hopper (59), connected to respective nozzles (62, 63), layer cement and sand over the dyed surface. The tile is then compressed using the tile compression unit (60) to form a durable structure. The display panel (58) provides real-time monitoring and control of the entire process. The present invention (50) is developed to reduce manual labor, improve quality consistency, and support scalable production while retaining the artistic characteristics of traditional tile craftsmanship.

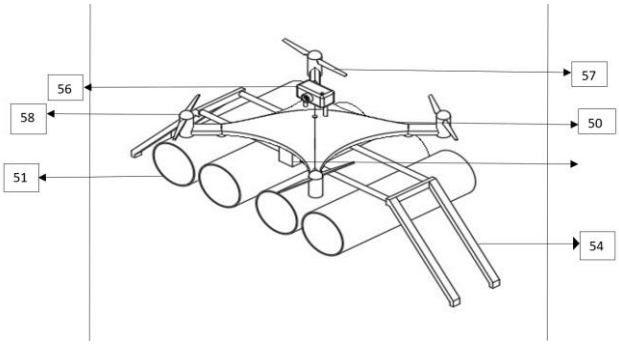


21: 2026/01457. 22: 2026/02/04. 43: 2026/10/02
51: B01J
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mrs. DEENA ROSE DEVASAHAYAN, Ms. AKSHAYAMATHI DASS, Ms. GIRITHA PRABAKAR, Ms. RAKSHANA PONNUSAMY, Mr. VISVAJEET RAMESH KUMAR, Mr. K. MUKILAN KUMANAN

54: CARBON CAPTURER

00: -

The present invention discloses a carbon capturer (10) for absorbing airborne pollutants especially carbon pollutants in an energy-efficient manner. The carbon capturer (10) consist of drone bases airborne filtration system (50) aligned with activated carbon capturing sheets (51) made from banana fibre fabric (52) and coated with a gel mixture of activated charcoal, lime and water. These sheets are shaped in hollow cylindrical form below the drone, whereas suspension and mounting unit (54), allowing for real-time purification. The drone (10) is equipped with four propellers to maintain stable flight and efficient coverage across high polluted areas. A sensor and control unit (55) monitors air quality and dynamically adjusts flight patterns for easier absorption. The gel coating enhances chemical absorption while banana fibre ensures sustainability and high-capacity filtration. The system also includes solar panels assisted wings (57), indicator lights (58), a camera (56), and a charging port (59), allowing for energy efficiency and real-time tracking. The invention provides a scalable, eco-friendly solution for capturing co2, and other harmful gas pollutants in various environments.



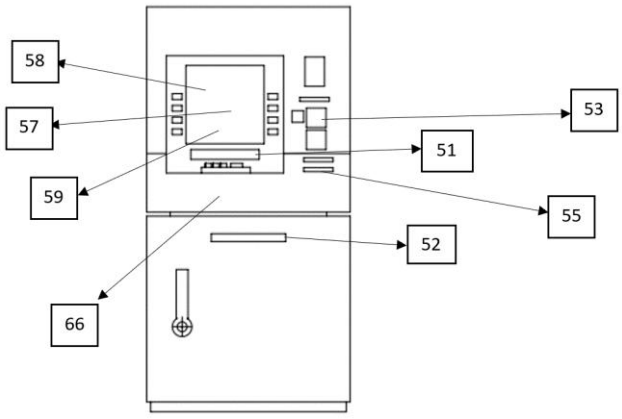
21: 2026/01458. 22: 2026/02/04. 43: 2026/10/02
51: G07F
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms.GEERTHANA SELVARAJU, Ms. SHABA ANISH ABIDEEN MOHAMED, Ms.VAISHNAVI NATARAJAN, Ms. SHRUTHIKA AMBEDKAR, Ms. SHREYA SARAVANAN

54: AUTOMATIC CURRENCY EXCHANGE ATM MACHINE

00: -

The present invention discloses an automatic currency exchange ATM machine (100) has been provided for fast and safe access to conversion of foreign currency to the local currency. This machine consists of currency deposit mechanism (51) that receives foreign notes to be sorted according to denomination by a bill sorter (54). Via a bill validator (53) the denominated notes are authenticated. Using a connectivity module (64), real time exchange rates

are fetched to be used in machine converting the amount and dispensing the local currency through a currency dispensing mechanism [(52)]. Where a storage vault [(67)] safely holds the local currency. User interface is controlled through a touchscreen (57). A language selection system (58) is applied to perform multilingual operations. Other integrated functions are a card reader (55), biometric authentication system (56) for identity verifications, currency exchange rate display (59) for live rates and receipt printer (61) for transaction summaries. The machine further includes an error detection system (63) to cater for operational problems, a camera (62) and proof against theft (69) for physical security and a cooling and ventilation system (68) to provide adequate thermal management of internal components.

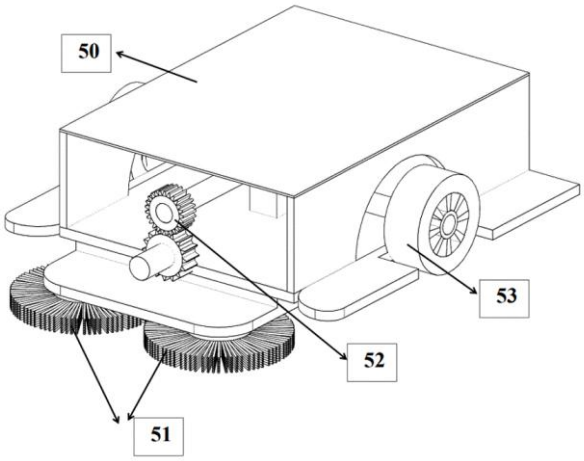


21: 2026/01459. 22: 2026/02/04. 43: 2026/10/02
51: A47L
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Kavin Nilavan Parthiban, Premkumar Ramanathan, Prakash Mani Kannan, Kevin Raj Albert Sagayaraj, Senthilkumar Thangarajan Sivasankaran

54: FLOOR CLEANING MACHINE

00: -

This manually operated floor cleaning machine is developed to offer a simple and effective way to clean large floor surfaces without using electricity or fuel. It is designed with a mechanical gear system that transfers motion from the wheels to the rotating brushes. When the user pushes the machine forward, the wheels drive the gears, which in turn rotate the brushes to sweep dust and debris into a collection bin. The machine is lightweight and easy to handle, reducing the physical effort required for regular cleaning tasks. Its compact design makes it suitable for use in schools, hospitals, public halls, railway stations, and similar areas. The use of durable materials ensures long-lasting performance with minimal maintenance. The gear driven system improves cleaning efficiency by increasing brush speed while maintaining smooth operation. This cleaning machine is cost effective, eco-friendly and user-friendly. It serves as a practical alternative to electric floor cleaners, especially in areas where power is limited or unavailable.



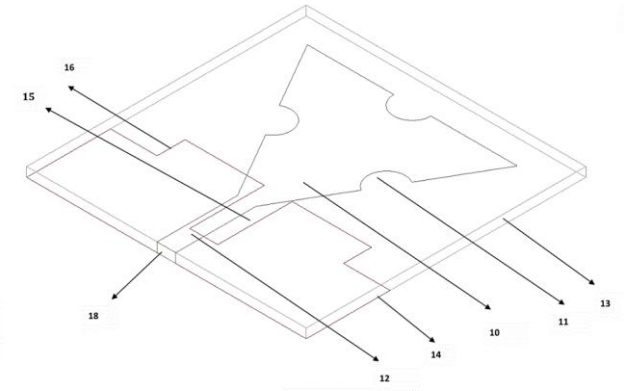
21: 2026/01460. 22: 2026/02/04. 43: 2026/10/02
51: A61B
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. SYEDAKBAR SYED YUSUFF, Mr. HARISH SHIVENDRA BHARATHI, Mr. SHAVIPIN AKBARKHAN, Mr. SIMI MATHEW AROKIARAJ, Mr. SARAVANAN TAMILVANAN

54: SMART FRACTURE HEALER MONITORING FLEXIBLE ANTENNA

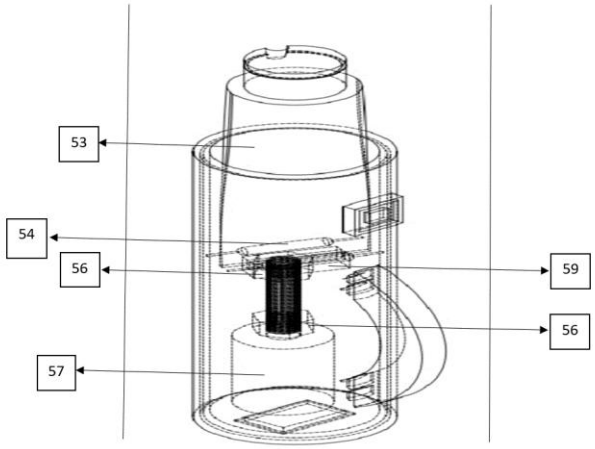
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The invention hereof disclosed the smart fracture healer monitoring antenna system (10) for real-time, non-invasive medical diagnostics, specially optimized for wearable biomedical applications and persistent bone healing evaluation. The system (10) consists of a triangular patch element (10) mounted on a flexible dielectric substrate (13) with a cotton material (r = 1.6), which provides skin-conformal integration to the human body. Inscribed in the patch are circular cut-outs (11) and upper corner notches (16), carefully cut to improve impedance bandwidth and obtain miniaturization for wearable application.

A microstrip transmission line feed (12) provides the rf signal to the patch, while a rectangularly slotted ground plane (14, 15) on the back surface adjusts return currents to enable wideband operation. The antenna also comprises an antenna value checking device (AVCD) (17) to monitor gain, reflection coefficient (s11), and other important signal parameters in real-time. A connector port (18) enables direct signal input/output interfacing to/from external wireless systems or test modules. The invention (10) provides a comfortable, flexible, and stable electromagnetic sensing platform for monitoring bone fracture detection and healing development and is particularly well-suited for on-body medical wearables and low-resource or emergency healthcare settings.

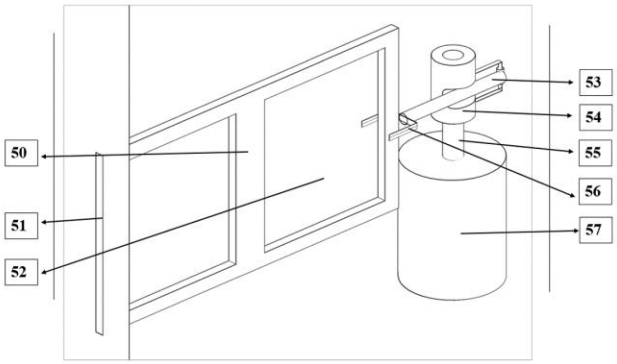


21: 2026/01461. 22: 2026/02/04. 43: 2026/10/02
51: B65D
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mr. HARIHARAN RAJAKUMAR, Mr. GIRI DEEPESH SUNDARARAJAN, Mr. KAMALESH SEKAR, Mr. MAATHESH KRISHNAN RADHA KRISHNAN, JAIVARSHAN GANESAN
54: SPREADABLE SUBSTANCE DISPENSER
00: -
The spreadable substance dispenser device (100) enables efficient and uniform application of viscous materials like butter, adhesives, or gels. It features a tube (53) that stores the substance, dispensed through a conveyor roller (54) for even spreading. A screw (60) and nut (56) mechanism, powered by a servo motor (57) and rechargeable battery (58), ensures controlled extrusion. The dispensing system is housed within a c-shaped steel frame (59), offering structural stability and alignment. Operated via a user-controlled switch (51), the motor advances the material with precision. An ergonomic handle (59) enhances portability and ease of use. This compact, electrically operated device provides a consistent, user-friendly solution for minimizing manual effort while delivering smooth and accurate substance application. Wastage and reducing the need for manual squeezing. This invention (100) improves hygiene, convenience, and efficiency in the dispensing of various pastes such as toothpaste, creams, and food substances.

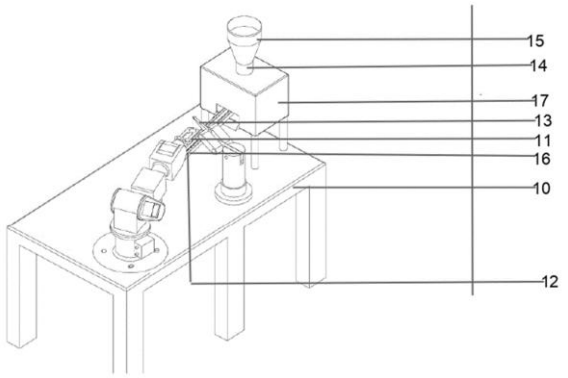


21: 2026/01462. 22: 2026/02/04. 43: 2026/10/02
51: H04M
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Raja Murugan, Vishva MuthuSamy, Prakash Mani Kannan, Dr Sathishkumar Gurusamy
54: SMART SIM EJECTOR SYSTEM
00: -
The current invention reveals a smart sim ejection system that is intended to provide the secure, automatic ejection of a sim card tray from a mobile device without the use of external tools, thereby improving user convenience, device security, and operational efficiency. The mechanism includes a sim card tray (50), sim exit path (51), sim slot (52), connecting rod (53), bush (54), shaft (55), ejector (56), and a miniature stepper motor (57). The sim card tray (50) is contained in the sim slot (52), and its motion is directed through the sim exit path (51). The small stepper motor (57) is in operative relationship with the shaft (55), supported by the bush (54) to enable rotation stability. With effective user verification via biometric processes like finger scan or pattern entry, the motor (57) is triggered to create a controlled angular displacement. This

movement is transmitted through the shaft (55) and translated to linear movement through the connecting rod (53), which subsequently actuates the ejector (56) to extend the sim card tray (50) outward along the sim exit path (51). The combination of electronic control and accurate mechanical parts facilitates a compact, secure, and easy-to-use mechanism that greatly minimizes sim card and tray from possible damage upon ejection.

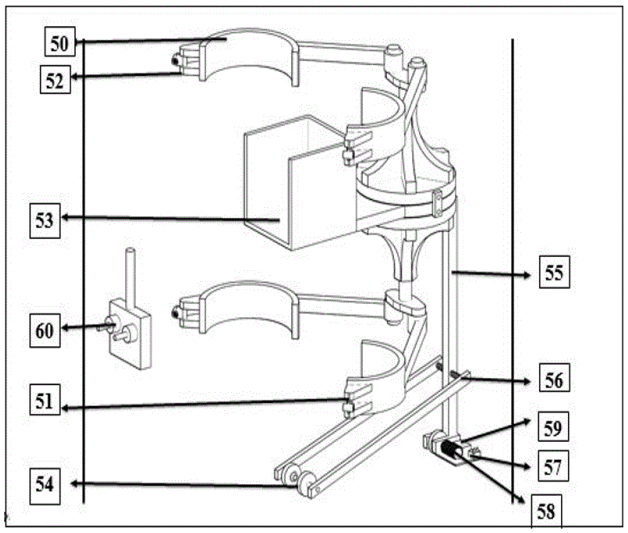


21: 2026/01463. 22: 2026/02/04. 43: 2026/10/02
51: A41G
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms. HARINI NAGARAJU, Ms.HEMA RAMACHANDRAN, Ms. SHALINI RAMESH, Ms.VARSHINI VISWANATH, Mr. NAGULAN MURUGESAN, Mr. HEMCHUDESH ASHOKAN
54: AUTOMATIC JASMINE FLOWER TYING MACHINE
00: -
The present invention discloses an automated jasmine flower tying apparatus (10) for efficiently creating floral garlands by replicating traditional hand-tying techniques through robotic automation, thereby reducing manual labor, improving speed, and ensuring uniform knotting. The jasmine flower tying apparatus (10) comprises a worktable, a robotic arm (11), a gripper (12), a knotting mechanism (13), a thread feeder (14), a flower hopper (15), a conveyor belt (16), and a control system (17). The robotic arm (11) is configured to pick and position individual jasmine flowers, while the gripper (12) gently holds them in place for tying. The knotting mechanism (13) is operably connected to form a locking single or overhand knot using thread supplied from the thread feeder (14). The flower hopper (15) stores bulk jasmine buds and dispenses them onto the conveyor belt (16), which aligns the flowers for collection by the gripper. The control system (17) synchronizes the robotic, feeding, and knotting operations. The apparatus (10) is compact, reusable, and designed for floral production settings such as garland-making units and wedding decorators. The present invention (10) increases productivity, ensures consistent knot quality, reduces dependency on skilled labour, and provides a user-friendly and cost-effective solution for jasmine garland production.



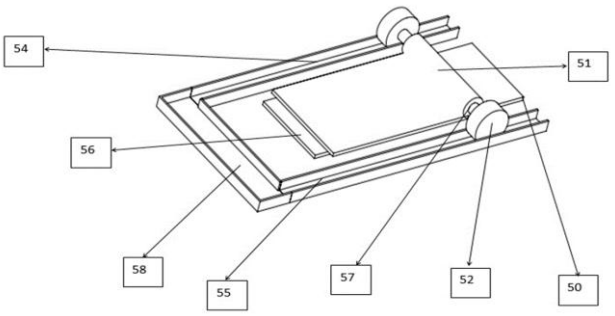
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51: A01G
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Prakash Mani Kannan, Premkumar Ramanathan, Priyadharshini Nagaraj, Vishva MuthuSamy, Godwin Antony Arockiaraj
54: SEMI-AUTOMATED COCONUT TREE CLIMBING AND CUTTING MACHINE
00: -
The system consists of a top holder (50) and bottom holder (51) that are positioned to grasp the trunk of the coconut tree, a motorized chain saw (53) that is mounted on a stable holder, and a climb motor (58) that drives a set of traction tires (54) for vertical movement. All mechanical operations are mounted on a structural climber machine beam (55) and guided by a supporting wheel setup (56). The invention pertains to a semi-automated coconut tree climbing and cutting machine that is developed for the safe, effective, the device is driven by a rechargeable battery (57) and controlled through a wireless remote-control unit (60), making it possible for the user to carry out actions like climbing, gripping, and cutting from a distance. The remote system features command functions and emergency stop feature, which adds safety and accuracy when in use. An adjustment screw (52) facilitates

positioning and alignment for different tree diameters. The system inhibits free falling of cut pieces by firmly clamping them during cutting, largely lowering labour hazards as well as enhancing the speed and control of coconut tree cutting processes and controlled removal of tree sections without the need for manual climbing.



21: 2026/01465. 22: 2026/02/04. 43: 2026/10/02
51: E04H
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mr. VINOTHAN SELVAM, Ms. SHALINI RAMESH, Mr. RAVI SHANKAR RAMESH, Mr. RAJARAJAN RAJASEKARAN, Mr. RAJAH SITHAMBARAM MUTHUKUMAR
54: RAIN PROTECTIVE CRICKET PITCH COVERING SYSTEM
00: -

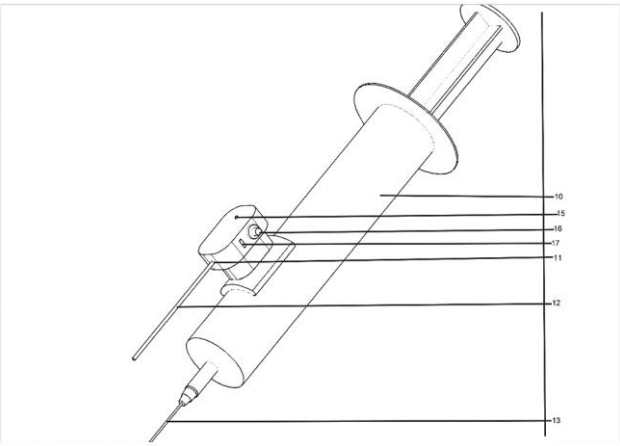
The present invention discloses an automatic cricket pitch covering system (10) for protecting the cricket pitch from rain or adverse weather conditions without requiring manual intervention. The pitch covering system (10) comprises a motorized roller (2), a waterproof cover (3), a dual side track (4), a hydraulic lifting mechanism (50) and an integrated weather detection unit (1). The motorized roller (2) is positioned within an underground trench (56) behind the batsman's crease and is configured to roll and unroll the waterproof cover (3) along the left and right rail tracks (54, 55). The hydraulic lifting mechanism (50), incorporating a scissor arm assembly (51), is configured to elevate the roller (2) above the surface for deployment. A rain sensor module (57) and anemometer (58) work in conjunction with a micro controller unit (6) to detect rainfall and wind, thereby automatically activating the roller system through a DC gear motor (5) and motor driver circuit (59). The cover attachment clamp (53) ensures the stable and uniform unrolling of the waterproof cover (3) over the pitch. The system also includes an obstacle detection sensor (61) to prevent interference during deployment. The power supply unit (60), powered by a 12V battery or solar source, ensures uninterrupted operation. The present invention (10) efficiently reduces manual labour, response time and pitch damage during unpredictable weather.



21: 2026/01466. 22: 2026/02/04. 43: 2026/10/02
51: A61M
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms. HARINI NAGARAJU, Ms.HEMA RAMACHANDRAN, Ms. SHALINI RAMESH, Ms.VARSHINI VISWANATH, Mr. NAGULAN MURUGESAN, Mr. HEMCHUDESH ASHOKAN
54: VEIN SPOTTING AID FOR SYRINGES
00: -

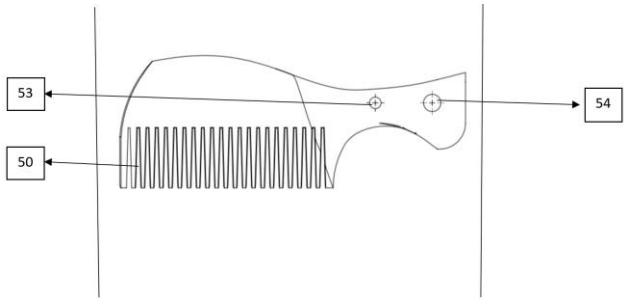
The present invention discloses a vein spotting aid device (10) for accurately locating veins before injection or blood extraction, thereby improving precision, reducing manual effort and improving patient's comfort. The vein spotting aid device (10) comprises a syringe body, an integrated vein detection module (11), a laser beam path (12), a needle tip (13), an on/off indicator (15), a button or switch (16), and a charging port (17). The integrated vein detection module (11) is configured to emit light through the laser beam path (12) to identify located veins based on blood flow and reflectance. The needle tip (13) is aligned with the beam for accurate insertion. The on/off button (16) is operably connected to control the laser module, while the

on/off indicator (15) shows its working status. The charging port (17) enables recharging of the internal battery power, allowing for repeated use. The module is designed to fit closely and securely into the syringe body using clips or adhesive pads for firm attachment. The present invention (10) enhances injection accuracy, reduces patient discomfort, and minimizes dependency on highly skilled practitioners by providing a simple, compact, and effective vein spotting solution.



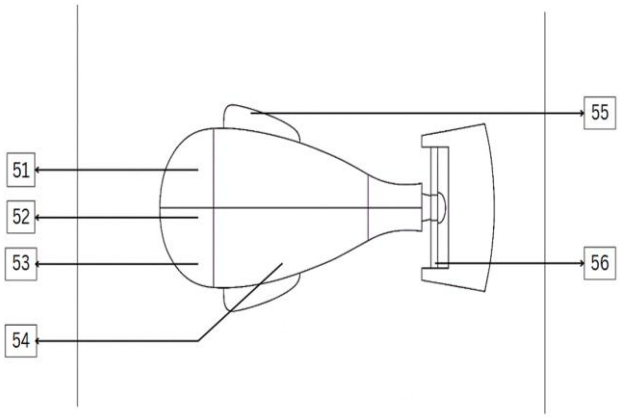
21: 2026/01467. 22: 2026/02/04. 43: 2026/10/02
51: A45D
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. JAIGANESH RAJENDRAN
54: SMART LICE KILLING COMB
00: -

The present invention discloses a Smart Lice Killing Comb (10) for efficiently removing and killing lice and nits from human hair while minimizing user effort and eliminating the need from harmful chemicals. The smart lice comb (10), a set of fifty fine metallic comb teeth (50) configured to capture lice and nits without damaging the scalp, and a copper wire mesh (52) embedded within the comb teeth to deliver a controlled electric pulse to kill lice upon contact. The device also includes an ultraviolet light source (51) mounted near the teeth, which emits germicidal UV rays to sterilize the area and assist in destroying lice and nits. A first button (53) is provided on the handle to activate the UV light, and a second button (54) is provided to activate the copper wire electric pulse system, a Smart Lice Killing Comb (10) for efficiently removing and killing lice and nits from human hair while minimizing user effort and eliminating the need for harmful chemicals, a set of fifty fine metallic comb teeth (50) configured to capture lice and nits without damaging the scalp, and a copper wire mesh (52) embedded within the comb teeth to deliver a controlled electric pulse to kill lice upon contact. A first button (53) is provided on the handle to activate the Ultra Violet light, and a second button (54) is provided to activate the copper wire's electric pulse system.



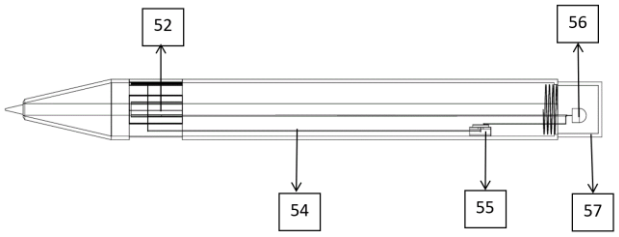
21: 2026/01468. 22: 2026/02/04. 43: 2026/10/02
51: B63G
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Priyan Anbalagan, Dr. Manikandan Murugesan, Dr. Velmurugan Murugan, Gowtham Selvakumar, Saranya Srinivasan, Subashini Muthukumar
54: REMUL TRAVELLER
00: -

The present invention discloses an autonomous underwater vehicle (AUV), Meditravel, designed to provide efficient underwater navigation and data collection with minimal human involvement. The vehicle comprises key components, including a navigation & positioning sensor (51) for precise movement, obstacle detection sensors (52) for real-time hazard avoidance, and a camera module (53) for high-resolution visual data capture. The buoyancy control unit (54) enables dynamic depth adjustments, while the tail fin (55) offers controlled steering. The propeller (56) provides thrust, allowing for forward and backward movement. Powered by an energy-efficient electric motor (56), Meditravel operates autonomously, adapting to underwater conditions and performing a variety of missions such as exploration, surveillance, and scientific research. The design minimizes the need for manual intervention, enhancing operational efficiency in underwater environments. The integration of these components ensures seamless and adaptive movement through diverse underwater terrains.



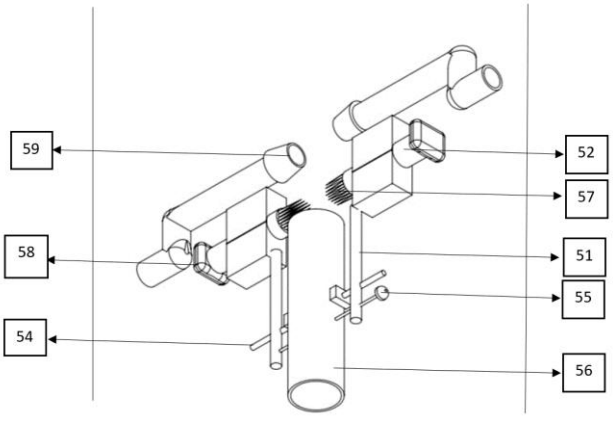
21: 2026/01469. 22: 2026/02/04. 43: 2026/10/02
51: G06F
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. SANKARA SUBRAMANIAN AYYAPPAN THANGAM
54: DIGITAL PEN GRIP WITH WRITING POSTURE FEEDBACK
00: -

The present invention discloses a smart pen system which helps young learner master correct handwriting grip posture. Users gain instant visual confirmation from the built in mechanism whenever they position the pen correctly according to standard tripod grip standards. The grip material (52) covers three conductive copper tape elements (53) which match position with the thumb and index finger and first finger of the hand. An elementary electrical circuit functions from within the pen body (51) that includes a battery (55) and LED indicator (56) together with connecting wires (54) but has no sensors or resistors or electronic controllers. A proper hold on the pen involves finger contact with three copper tapes which allows the natural skin conductivity to complete the circuit. The LED (56) activates to show proper grip has been detected. The LED fails to turn on because the electrical connection stays open whenever any digital finger opposes the copper surfaces. The self-contained pen solution operates safely at a low cost which makes it suitable for classrooms along with homes. Through its feedback system the design develops learning habits in users. Platform supervision becomes unnecessary because this system helps students successfully perform handwriting exercises.



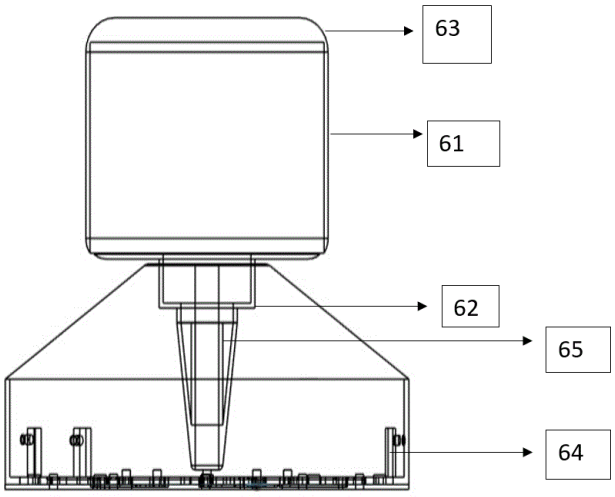
21: 2026/01470. 22: 2026/02/04. 43: 2026/10/02
51: A22C
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. JAI GANESH RAJENDRAN
54: FISH GILLS CLEANING MACHINE
00: -

The present invention discloses a fish gills cleaning machine (100) to clean the gills from the fish without damage to the fish and minimizing the labour effort. The fish gills cleaning machine (100) consists of a frame, conveyor belt, gills cleaner brush, cutting blade, adjustable bed and water spray nozzles. Conveyor belt (51) is set to move the fish in a fixed position to give cleanable the bottom of the fish using the blade (53). The gills cleaner (57) is in operable link with handle to rotate gills cleaner brush (58) and is designed to clean in gills cleaner (57) in the gills of the fish. The adjustable bed (56) is designed to change, according to the size of the fish and keep the fish in the vertical position during the operation. The water spray nozzles (59) are placed after the gills cleaner brush to clean by water at the end of the cleaning process. The current invention (100) will minimize manual labour and improve the cleaning accuracy, and save time in the fish gills removal process.

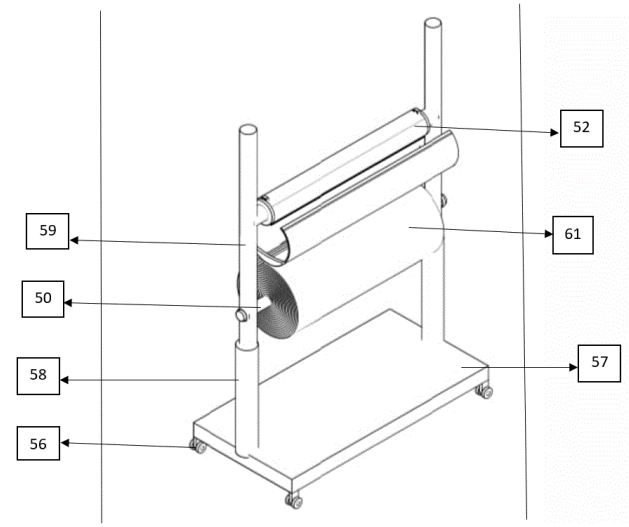


21: 2026/01471. 22: 2026/02/04. 43: 2026/10/02

51: A61F
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mr.MANJUNATHAN ALAGARSAMY, Mr. PRAVEENKUMAR ARUMUGAM, Mr. SREERAM SIVAKUMAR PACKIALAKSHMI, Mr. PURUSHOTHAMAN KANNAN, Mr. THOMAS LIVINGSTON GNANAPRAKASAM
54: DROPCUP – A RETRACTABLE PRECISION EYE DROP DISPENSER
00: -
The invention, hereby being described involves precision-based eye-drop dispensing, also known as DROPCUP, which has the capability of overcoming the general problems with self-administration of eye medication. The product has a retractable cup device that delicately keeps the user eye lids open throughout application thus perfect delivery of eye drops with hygiene. The driving force of the cup can be operated under a rotating system connected with a standard eye-drop container, which triggers an internal system based on spring to separate the eyelids with ease and balanced forces. The device also has an alignment guide so the nozzle can be in perfect position over the pupil as well as a soft silicone seal to make the experience more comfortable and avoid leaking and a transparent positioning ring to help align with the eyes. The cup is lock fitted with a safety lock during operation and the safety lock permits soft drawback after use. This skinny size, ergonomic handle and ability to fit into the majority of commercial eye-drop bottles make DROPCUP appropriate to both the youngest and oldest users, and particularly to the users with poor coordination or short sight. Safety, accuracy and independence of eye-drop application is enhanced greatly by this invention hence it can be used both at home and in clinics.

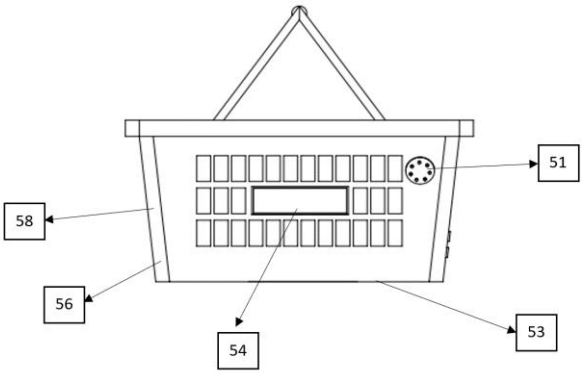


21: 2026/01472. 22: 2026/02/04. 43: 2026/10/02
51: G09F
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms. VALARMATHI MUNIYASAMY, Mr. G. ARUNKUMAR GNAPATHY, Ms. SRINITHI VALLARASAN, Ms. PRITHIKA KARTHIKEYAN, Mr. PREM NIVASH MUTHUKUMAR, Mr. NOVAE NATHAN AMALORPAVA RAJAN
54: POSTER PASTING MACHINE
00: -
The present invention discloses a poster pasting machine (80) for pasting posters onto walls or surfaces with uniform pressure and alignment, thereby minimizing manual effort ensuring efficient poster application. The poster pasting machine (80) comprises a rectangular base, a vertical adjustable frame, a poster roller, adhesive tank. The supporting rod (59) is configured to posters roller, adhesive tank, adjustable clip, cutter for holding support. The adjustable clip (55), equipped with soft pressure pad consistent to pressure while pasting. The adhesive tank (53) uniformly applies a glue to the surface of back of the poster. The soft pressure pad (55) is attached with an adjustable clip (51) that is slightly bent to allow pressure to the poster. The hydraulic pressure (58) mounted on the rectangular base, supporting rod (59) is supported with the hydraulic pressure. The supporting rod (59) that hold the main body of the machine. By using hydraulic pressure, the length can be adjusted as needed and adapt to different wall height. The present invention significantly reduces manual labour and ensures professional-quality poster pasting.



21: 2026/01473. 22: 2026/02/04. 43: 2026/10/02
51: A61K
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. Jeyasudha SEKARAN, Ms. Latha Periyasamy, Mr. Suresh Kumar Velusamy
54: SMART BASKET FOR IDENTIFICATION OF ORGANIC AND INORGANIC FRUITS
00: -

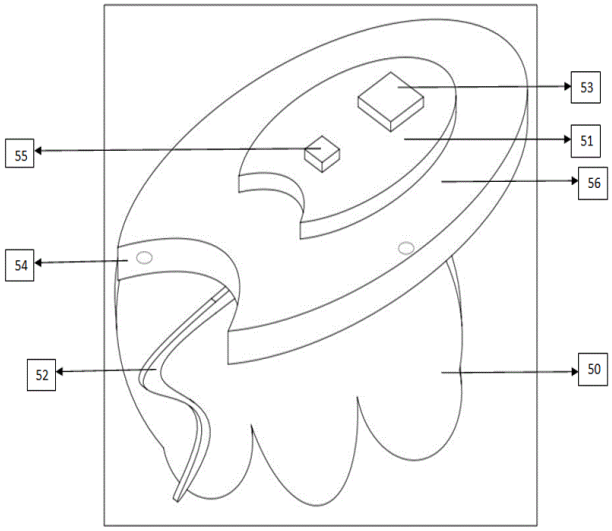
The present invention discloses a smart basket for identification of organic and inorganic fruits (100) discloses a portable, sensor-integrated shopping basket designed to differentiate between organically and inorganically grown fruits in real-time. The basket comprises a gas sensor (51) for detecting volatile organic compounds (vocs), a near-infrared (nir) sensor (52) for analysing fruit composition, and a weight sensor (53) to measure fruit mass for classification calibration. These sensors are interfaced with a microcontroller (54) that processes the sensor data using a built-in classification algorithm to determine the nature of the fruit. Based on the result, led indicators (55) provide a visual output—green for organic and red for inorganic. The system is powered by a power supply unit (56) with a voltage regulator (58) to ensure consistent performance and is operated via an on/off switch (59). The invention aims to offer an affordable, user-friendly solution for consumers to independently verify the organic authenticity of fruits without requiring specialized equipment or knowledge.



21: 2026/01474. 22: 2026/02/04. 43: 2026/10/05
51: A61C
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. SYEDAKBAR SYED YUSUFF, Ms.HARINI MURUGESON, Ms.ASMAA SULTHANA ABDUL RAHIM, Mr. KARTHIK SENTHIL KUMAR, Ms.KRISHNA KUMARI RAMESHWAR SINGH
54: SMART TOOTH SENSOR STICKER
00: -

The present invention discloses a smart tooth sensor sticker, herein referred to as biopatch, designed for non-invasive and continuous monitoring of various physiological and oral health parameters. The biopatch comprises a flexible, biocompatible substrate (60) embedded with a multi-sensor array (53), microelectronic processing unit (54), wireless communication module and a compact power source. The flexible substrate (60) is configured to comfortably adhere to the surface of a tooth (50), ensuring stable placement without interfering with daily oral activities. The integrated sensor array (53) includes chemical sensors (62), thermal sensors (61), and mechanical sensors (part of 53) capable of detecting salivary biomarkers such as glucose, monitoring body temperature, and recording jaw movement patterns. These signals are processed through an onboard microelectronic unit (54), which digitizes the data for real-time analysis. The processed data (57) is wirelessly transmitted via the communication module to an external device for monitoring and diagnostics. The system is powered by a miniature battery (64) or energy-harvesting component (65), ensuring sustained operation in the moist oral environment. Additionally, the entire device is encapsulated within a waterproof and food-safe protective layer (68) to enhance durability and safety. The biopatch enables early detection of

systemic diseases, behavior tracking, and personalized healthcare monitoring, offering a novel solution for continuous health surveillance through a discreet and wearable oral device.

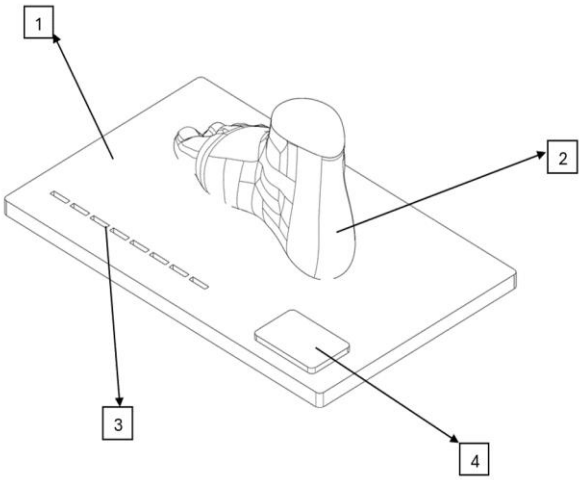


21: 2026/01475. 22: 2026/02/04. 43: 2026/10/05
51: G06F
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mrs. Jaya Ratnam Popuri, Ms. Nandhini Gopalakrishnan, Mr. Duraivenkat saravanan, Ms. Narmatha Velliyangiri, Mr. Mohamed Ammar Mohamed Ali

54: FOOT SIZE CALCULATING MAT

00: -

A foot size calculating mat (1) which is automatic in measuring the dimensions of users foot without manual tools is disclosed in the present invention. The constituents of the foot size calculating mat (1) include a mat base surface (1), pressure and capacitive sensors (4) placed on the surface, there is a presence of a microcontroller, a display module (3) and a power supply. When somebody is standing on the mat the sensors detect the contact points of the feet and send the signals to the microcontroller to be processed and find the length and width of the foot. The size computed is presented through the display module (3). The present invention (1) enables an efficient, hygienic and contactless method for measuring foot which is more accurate and convenient in footwear fitting, orthopedic diagnosis and personal ergonomic analysis.

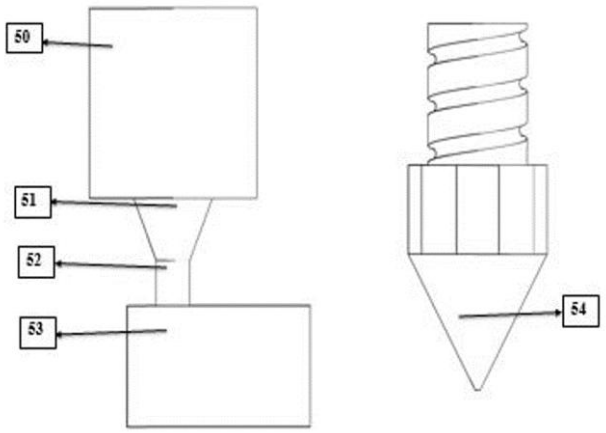


21: 2026/01476. 22: 2026/02/04. 43: 2026/10/05
51: B08B
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Prakash Mani Kannan, Mohamed Arsath Khan Badurul Rahman, Madeswaran Krishnakumar, Raja Murugan, Godwin Antony Arockiaraj

54: 3D PRINTING MACHINE NOZZLE CLEANER

00: -

The invention is about a semi-automatic nozzle cleaning apparatus specifically for application with fused deposition modelling (FDM) 3D printers, where the apparatus is designed to clean residual or clogged thermoplastic filament from printer nozzles. The invention includes an attachment holder for firmly locating and aligning the nozzle, a heating assembly that includes both an external heater and an internal heater disposed in thermal contact with the holder for melting filament accumulation uniformly, and a vacuum extraction system including a vacuum tube and vacuum pump for extracting the melted filament debris away from the nozzle. The invention enables effective maintenance of printer nozzles through minimizing manual intervention, enhancing consistency in cleaning, and maximizing operational life of nozzles. The modular design of the components enables flexibility to accommodate different nozzle types and configurations of printers and is thus versatile for both hobbyist and large-scale industrial uses. The system's semi-automatic design guarantees minimal user intervention combined with accurate and consistent cleaning performance via a synergy of focused heating and controlled suction action.

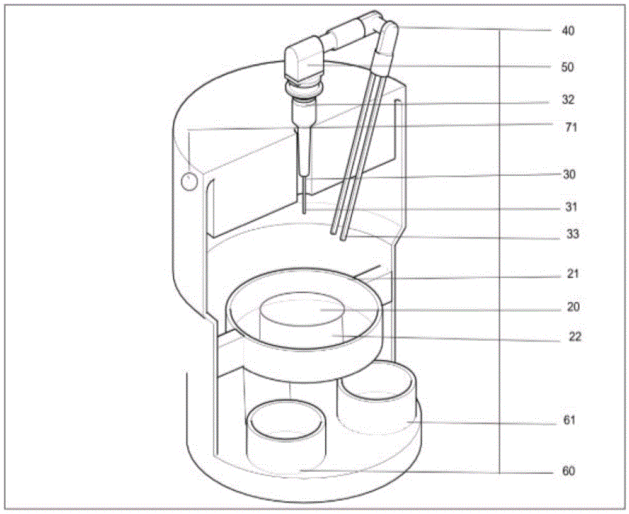


21: 2026/01477. 22: 2026/02/04. 43: 2026/10/05
51: A23N
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms. HARINI NAGARAJU, Mrs.SHYAMALA CHANDRASEKARAN, Ms. SHALINI RAMESH, Ms.VARSHINI VISWANATH, Mr. NAGULAN MURUGESAN, Mr. HEMCHUDESH ASHOKAN

54: BANANA FLOWER FLORET EXTRACTOR

00: -

The present invention discloses an automated banana floret nerve and tepal extractor (10) for removing the nerve and tepal from banana flower florets without damaging the edible part and reducing manual effort. The automated banana floret nerve and tepal extractor (10) comprises a compact housing (70), an electric motor (50), a specialized floret holder (21), a nerve plucking mechanism (30), and a tepal removal mechanism (33). The floret holder (21) is configured to securely hold the individual banana floret for providing consistent stability to process the floret by a soft, precisely shaped cradle (22). The nerve plucking mechanism (30) is operably connected with the main drive (part of 50) which is configured to actuate a precise gripping and twist-and-turn movement of the plucking elements (31) in a controlled manner by means of an automated control system (51). The guidance system (40) is configured to expose the nerve by subtle agitation of the floret, preparing it for the gripping action of the plucking mechanism (30) by means of internal sensors (41). The electric motor (50) provides automated motion to the plucking mechanism (30) and tepal remover (33). The plucking mechanism (30) internal area comprises adaptive elements configured to adjust the gripping force and reach based on the floret sizes and nerve characteristics. The present invention (10) will reduce the manual effort and time consumption for cleaning banana flower florets.



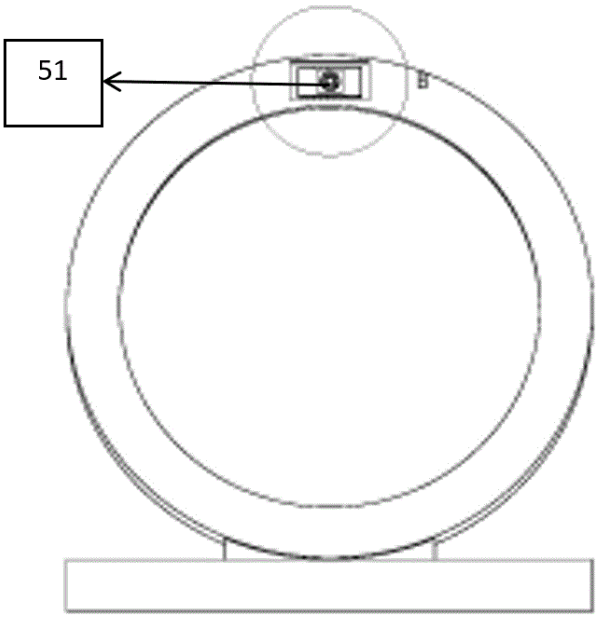
21: 2026/01478. 22: 2026/02/04. 43: 2026/10/05
51: A61Q
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mrs. Vijayalakshmi Sundharesan, Ms. Latha Periyasamy, Dr. Jeyasudha Segaran

54: SKIN INTERACTION ANALYZER FOR COSMETIC SAFETY AND AUTHENTICATION

00: -

The present invention discloses a device that helps find out a user's facial skin type and how well it fits with cosmetic products. The system's camera module (51) take detailed pictures of the face and use recognition software to find the user's skin type. The position of the cosmetic product is guaranteed by a cosmetic holder (55), with the setup being optimized for a consistent analysis. A spectroscopic sensor (52) is inserted into the device to examine the ingredients in the product by looking at its light spectrum in drift ranges. A micro controller (53) inside the system looks at facial features and cosmetic data to classify whether the user's face fits the product's description with help from a machine learning model. Results appear directly on the 3.5" TFT LCD display (54) without the use of external devices or the internet, giving users prompt information and protecting their privacy. All the necessary actions from capturing the image to checking compatibility and displaying the results are done automatically inside the device. It aims to discourage people from trusting unfit cosmetic

brands and allows users to use cosmetics safely and knowledgeably in all environments.

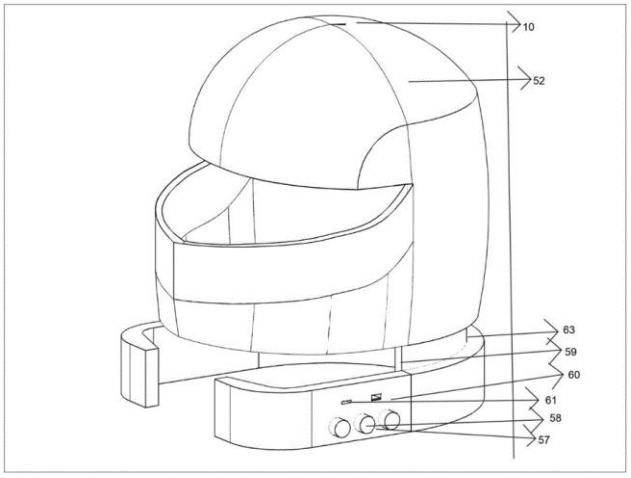


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51: A61H
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms. HARINI NAGARAJU, Ms.HEMA RAMACHANDRAN, Ms. SHALINI RAMESH, Ms.VARSHINI VISWANATH, Mr. NAGULAN MURUGESAN, Mr. HEMCHUDESH ASHOKAN

54: MOTORCYCLE HELMET MASSAGE

00: -

The present invention discloses a motorcycle helmet massage system(10) designed to provide the therapeutic relief to riders by integrating massage functionality directly into the helmet structure, strain reducing the fatigue and enhancing comfort during extended rides. The system was comprises an extended helmets shell with a neck enclosure, Vibration modules(55), a rechargeable power source(61), and a control interface. The vibration modules are strategically positioned along the cervical support region and consist of high-torque vibration motors housed within dampened casings to minimize noise and vibration transfer. The system is powered by a lithium ion battery pack(60) and features both tactile interface buttons and wireless Bluetooth connectivity for adjustable massage intensity and pre programmed routines. The angular handle(57) is operably connected with the jaws which is the configured to actuate the gripping movement of the rectangular jaws in a controlled manner by means of arresting action of single row angular contact bearing (58). The structural integrity of the helmets remains the uncompromised, with all components carefully integrated to maintain compliance with safety standards. The present invention(10) will significantly improve rider comfort and reduce muscle strain, offering a seamless blend of therapeutic functionality and protective design.



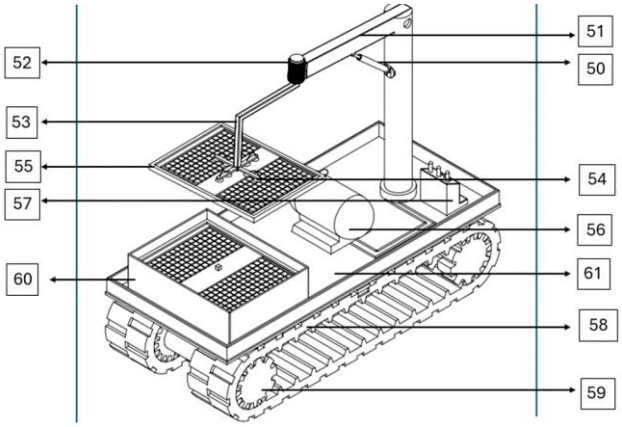
21: 2026/01480. 22: 2026/02/04. 43: 2026/10/05
51: F24S
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. GODWIN ANTONY AROCKIARAJ, Mr. KARUNAKARAN RAMACHANDRAN, Mr. LAYA ANTO GNANAJOHNNIKKOLUS, Mr. MOHAN BHASKARAN, Mr. PRAJEN BALAMURUGAN

54: HYDRAULIC POWERED SOLAR PANEL MOUNTING MACHINE

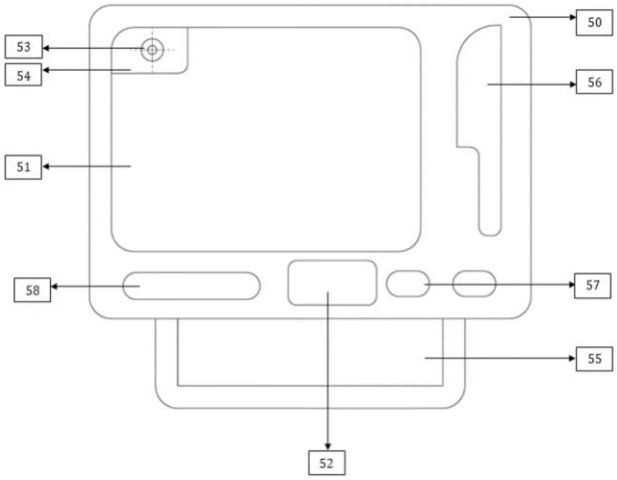
00: -

The present invention discloses a hydraulic powered solar panel mounting machine (10) for positioning and adjusting solar panels with minimal manual effort while maximizing solar energy efficiency through automated tracking. The hydraulic powered solar panel mounting machine (10) comprises a rectangular support base (61), at least one solar panel (55) mounted on a modular solar panel container (60), a pair of articulated movable arms (51, 53), a hydraulic cylinder (50), a 360-degree motor (52), an air vacuum bush (54), an air compressor (56), a control system (57), movable gear (59), and excavator chine wheels (58). The movable arms (51, 53) are operably connected to

the hydraulic cylinder (50) for precise tilt control, while the motor (52) enables azimuthal tracking of the solar panel. The air vacuum bush (54) ensures smooth and stable pivoting of the arms, reducing mechanical wear. The solar panel container (60) is lined with shock-absorbing padding to protect the panel during movement. The control system (57) coordinates the hydraulic and motorized components based on solar tracking algorithms or manual input. The movable gear (59) and excavator chine wheels (58) provide terrain mobility for field deployment. The present invention (10) enhances solar panel alignment accuracy, reduces physical labour, and improves installation efficiency in diverse environments.

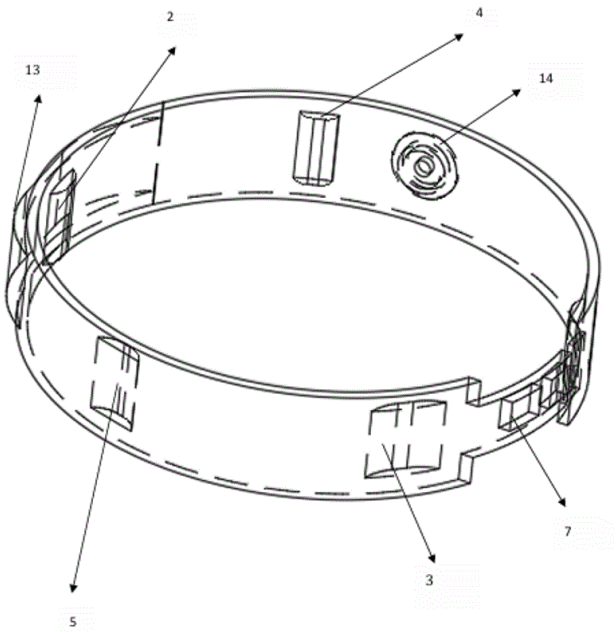


21: 2026/01483. 22: 2026/02/04. 43: 2026/10/05
51: A47J
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms.GEERTHANA SELVARAJU, Ms.ATCHAYA CHANDRASEKARAN, Ms.DHANUSRI NAGA MUTHU, Mr.CHANDRU RAMESH, Mr.KAMALESHWARAN GANESHKUMAR
54: SMART CHOPPER BOARD WITH AI HYGIENE DETECTOR
00: -
The present invention discloses a Smart Chopper Board (50) that enhances kitchen hygiene as well as accuracy while improving workflow productivity. The combination of food-safe cutting surface (51) with detailed digital scale (52) enables automatic ingredient measurement eliminating the need for extra tools. A pop-up interface uses colours on the panel (63) to show green for ripe food contents along with blue or red signals for potentially spoiled or unsafe ingredients. Underneath the cutting surface extends a storage container (55) which allows users to easily store their prepared ingredients. A secure knife storage system based on the knife slot holder (65) operates within the knife stand (56). The battery system (58) features integrated rechargeable functionality which can be controlled through ON/OFF buttons (57) to operate the device without external programs (57). Each stage of operation for users becomes easier because of the non-slip base pad (59). Inside the device a sensor interface method connects all internal components to main internal circuit board before moving toward the battery charging port that works as a charging hub. The unit's modular construction shields every section against water damage while delivering fast cleaning capabilities. The Smart Chopper Board (50) maintains an AI-driven compact design which suits household kitchens and commercial environments through its ability to integrate remote notification technology and cloud platforms.



21: 2026/01484. 22: 2026/02/04. 43: 2026/10/05
51: G06F
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mr.MANJUNATHAN ALAGARSAMY, Mr.SHANKAR SHARMA KARTHIKEYAN JAYALAKSHMI, Mr. HEMCHANDAR ANDI PALANIYANDI KRISHNAN, Mr.VIDHYA SAGAR SUNDAR SUNDAR, Mr.SHAKTHIVISHESH NACHIAPPAN
54: SMART WEARABLE WRIST MOUSE
00: -
The present invention introduces a smart, wrist-wearable mouse device (10) designed to control

computers and digital screens cursor through natural hand movements, reducing physical strain in the wrist and to comfortable use. This innovative device is worn like a watch and includes key components such as a motion sensor, simple fingerprint integrated for left and right clicks, a built-in rechargeable battery, and a bluetooth module for wireless communication. As the user moves their hand, the motion sensor detects the orientation and acceleration, allowing smooth cursor movement on the screen without needing a traditional mouse anymore. The conveniently placed fingerprint can be pressed using the thumb, making interaction quick and easy. The device sends all movement and click data wirelessly to microcontroller that transmit the data from the sensor and send these data to the computer in real time. With its comfortable design and portable nature, this wrist mouse is ideal for remote work, presentations, gaming, and even assistive tech for users with limited mobility. It aims to simplify digital interaction while reducing hand fatigue and boosting convenience.

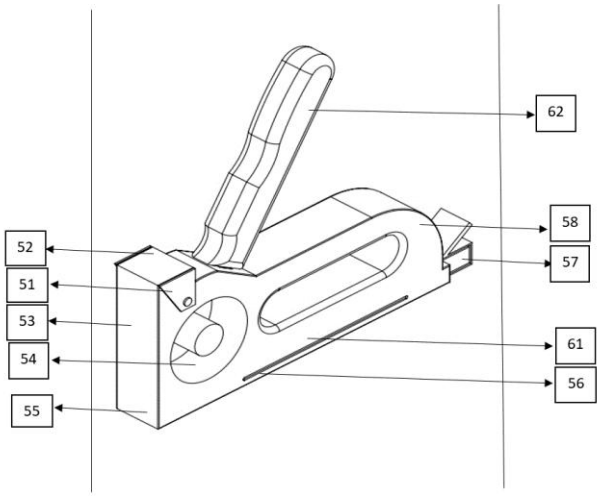


21: 2026/01485. 22: 2026/02/04. 43: 2026/10/05
51: H01B
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Mr. BHUVANA PONNAMBALAM, Ms. AGALYA MURUGANANDHAM, Ms. AARTHI SHREE ARUMUGAM, Ms. JANANI PRABAKARAN, Ms. PRAJEN BALAMURUGAN

54: COPPER INSULATION STAPLER

00: -

The present invention discloses a copper insulation stapler (100) is a specialized tool designed to efficiently and securely fasten copper insulation materials (53) in residential, commercial, and industrial settings (66). Traditional staplers often fall short in durability, conductivity compatibility, and thermal performance when used with copper-based insulating materials (100). This project introduces an ergonomically designed, high-durability stapler tailored for copper insulation applications (100), incorporating corrosion-resistant components and optimized for minimal thermal bridging. The tool ensures reliable adhesion of copper-backed insulation to various substrates while maintaining structural integrity and electrical safety (65). This innovation is to improve installation efficiency, extend insulation lifespan, and enhance energy efficiency in electrical and thermal management systems. Through performance testing and field evaluations, the copper insulation stapler (100) demonstrates improved efficiency, enhanced safety, and greater reliability in both residential and industrial environments. This development represents a significant step forward in insulation fastening technology, addressing the growing demand for high-performance, energy efficient building and electrical systems.



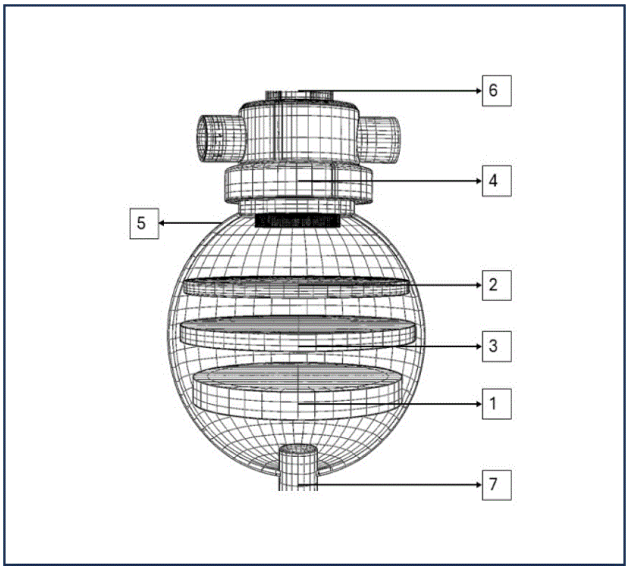
21: 2026/01486. 22: 2026/02/04. 43: 2026/10/05
51: C07C
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

72: Dr. DEEPAN KUMAR MADHU, Mr. VISVAJEET RAMESH KUMAR, Mr. MUKILAN KUMANAN

54: WATER PURIFICATION USING SYNTHESIZED JAVA WOOD COMPOUNDS

00: -

The current invention presents a sustainable water purification system named javapura which provides safe drinking water using plant-based substances without causing environmental damage. This system operates with a porous substance containing the combined antimicrobial and detoxifying compounds of ellagic acid, tannins, and flavonoids which are biologically active natural compounds. The water purification sheet functions as the main filtration agent which removes harmful pathogens and chemical pollutants as well as odours from the water source yet maintains its fresh quality for days beyond filtration. Javapura unit utilizes three main components which include the porous filter layer connected to the carbon filter that rests inside a spherical outer body and a screw system for maintenance purposes. The filtration process occurs automatically after introducing contaminated water through a smooth entrance channel because no electricity or mechanical power is needed. A hygienic dispensing valve on the device enables users to obtain filtered water with preserved purity levels. The invention has four essential characteristics which include biodegradability together with zero-waste filter replacement and hardous chemical-free operations and decentralized rural and disaster-affected environments capability. The innovation benefits from ancient botanical knowledge and contemporary engineering methods to bring sustainable and affordable water purification to communities through its green approach. The system maintains easy maintenance because of its modular construction which can operate without specialized tools or formal training.



21: 2026/01487. 22: 2026/02/04. 43: 2026/10/05

51: F24C

71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

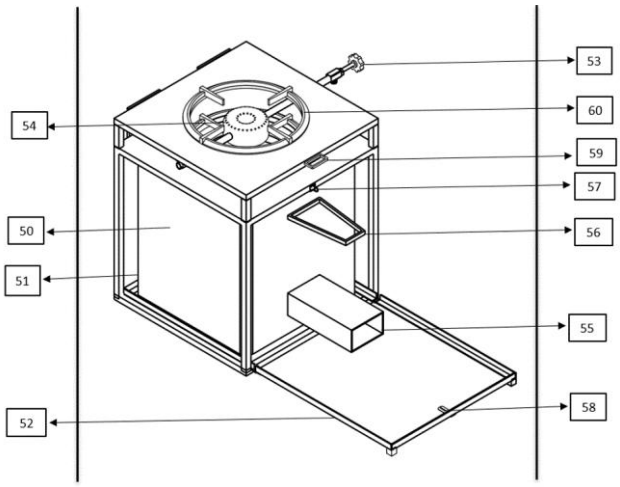
72: Dr. ARUN KUMAR GANAPATHY, Mr. RAJARETHINAM SHANKAR, Mr. RISHI BALAKUMAR, Mr. DHIVAGAR RANJITH, Mr. VIGNESHWARAN SUBRAMANIAN

54: HYBRID INDUCTION STOVE

00: -

The present invention discloses a hybrid cooking stove (50) designed to operate on both gas and biomass fuels, providing versatile cooking functionality for domestic and semi-commercial use. The hybrid stove (50) comprises a combustion chamber, a gas burner (54), a gas control valve (53), a blower fan (55), an L-shaped frame (52), circular-shaped support beams (59), and a rectangular base (62). The gas burner (54) is connected to the gas control valve (53), allowing for precise flame control, while the blower fan (55) enhances the combustion of biomass fuels, promoting efficient and clean cooking. The stove's durable frame, made from stainless steel, includes circular-shaped beams (59) that provide mechanical stability, and a speed regulator on the blower fan enables airflow adjustment based on cooking needs. The stove also features an ash door (64) for easy residue removal. The hybrid cooking stove can seamlessly switch between gas and solid fuel modes, offering flexibility depending on fuel availability or cooking requirements. The design also includes ergonomic handles and caster wheels for ease of movement.

The present invention aims to reduce fuel consumption, lower emissions, and improve cooking efficiency, making it an ideal solution for versatile cooking in various settings.



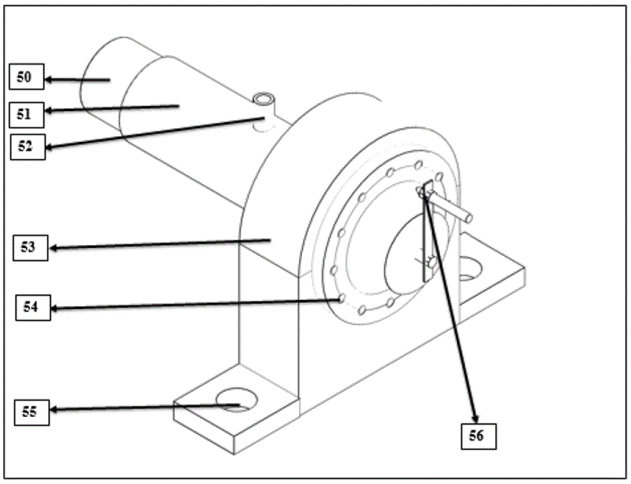
21: 2026/01488. 22: 2026/02/04. 43: 2026/10/05
51: B23Q
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Aravinth Bala Rajendran, Hari Raja Thangam, Jana Harimath Sathya Seelan, Kevin Raj Albert Sagayaraj, Hari Prasath Mani Vannan, Rajkumar Tamilarasan

54: ROTARY INDEXING JOB HOLDER FOR MILLING MACHINE WITH ANGULAR LOCKING MECHANISM

00: -

The invention concerns a rotary indexing job holder assembly suitable for milling machine operations involving angular precision and repeatability. The assembly consists of a job holder (51) adapted to hold and firmly clamp different sizes and shapes of workpieces or jobs (50) with the aid of an adjustment screw (52). The job holder (51) is housed within a bearing housing unit (53) that facilitates smooth rotational movement about its axis. A slanted adjustment point (54) is incorporated in the system to provide discrete angular positioning in fixed steps of 10 degrees so that the operator can set the orientation of the job (50) with accuracy. A lock pin (56) catches up with the slanted adjustment point (54) to lock the job holder (51) at a desired angle, providing stability during milling. The whole assembly is rigidly attached to a milling machine table by means of a lock hole (55), giving a stable and solid base for angular machining operations.

This invention makes the process of angular indexing easier, decreases setup time, and improves machining accuracy for multi-face orientation or inclined cut jobs.



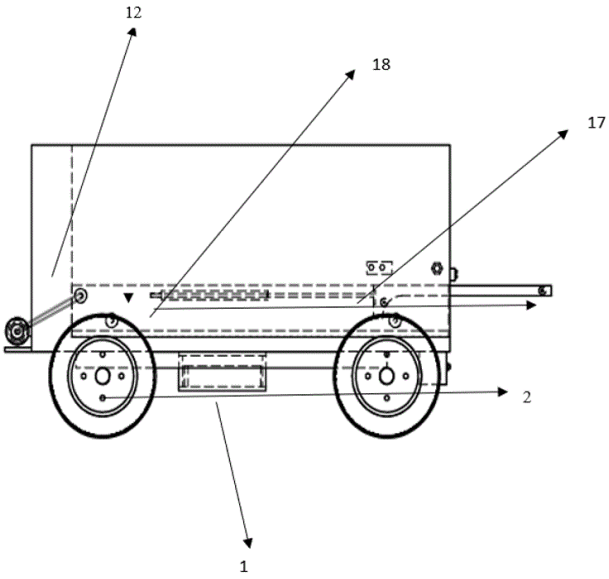
21: 2026/01489. 22: 2026/02/04. 43: 2026/10/05
51: B65G
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Dr. VIJAYAN VENKATRAMAN, PARTHA SARATHI BASKAR, SHRIRAM SUJIN VEERABATHIRAN, ROOPAN VIGNESH VIJAY KUMAR, SACHIN JAYAPRAKASH

54: INTEGRATED TRUCK CONVEYOR SYSTEM

00: -

The present invention discloses an integrated truck conveyor system (100) for automating the loading and unloading process in logistics operations. The system comprises a motorized conveyor (1), a bi-directional drive system (2), adjustable conveyor sections (3), an extendable frame (4), and a base frame (7) to ensure structural stability. The conveyor sections (3) are extendable to accommodate different truck sizes, while the tilting mechanism (17) adjusts the conveyor angle for varying heights and terrains. The shaft rod (8) supports movement between components and maintains alignment during operation. The system is equipped with a motion sensor (14) for detecting unauthorized activity, and an RFID scanner (10) for real-time package tracking. A weight sensor (16) prevents overloading, and a temperature sensor (15) monitors system heat to avoid overheating. The speed control unit (13) allows adjustment of conveyor speed based on load requirements. A safety stop button (12) provides immediate shutdown during emergencies,

and a battery backup (20) ensures continuous operation during power failure. All components are secured using welded and bolted joints (9), and the system can be operated remotely via a wireless control unit (18).

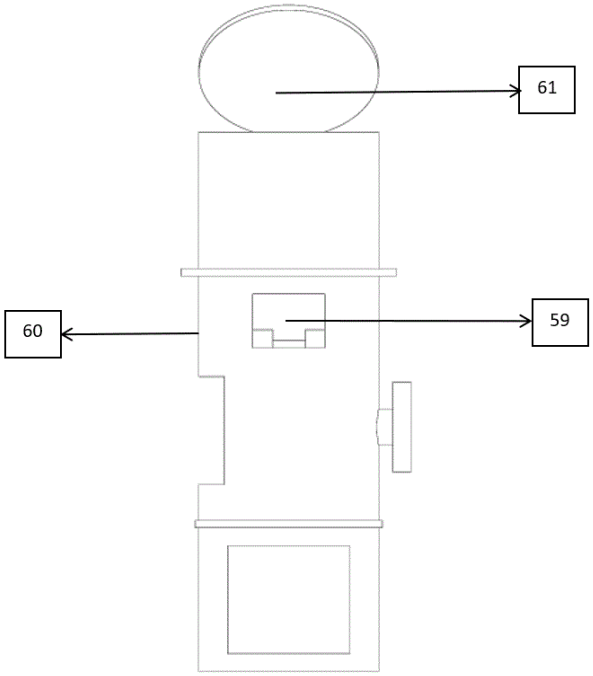


21: 2026/01490. 22: 2026/02/04. 43: 2026/10/05
51: A23L
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
72: Ms.GEERTHANA SELVARAJU, Ms. SHABA ANISH ABIDEEN MOHAMED, Ms.VAISHNAVI NATARAJAN, Ms. SHRUTHIKA AMBEDKAR, Ms. SHREYA SARAVANAN

54: PULSES AND CEREALS DUST CLEANER

00: -

The present invention discloses a pulses and cereals dust cleaner (100) for cleaning, drying, and preserving pulses and cereals using renewable energy. The system comprises a solar panel (53) that powers the entire setup, including a cleaning mechanism featuring a sieve (52) for removing larger impurities and an airflow-based separator that directs fine dust into a dust bag (54) for pollution-free disposal. A temperature control display (56) allows the user to monitor and regulate the internal storage environment, supported by a humidity control system (60) and a ventilator (59) to maintain ideal moisture and airflow conditions. Cleaned grains are stored in a storage compartment (57), securely sealed with a lid (61) to prevent contamination. Visual alerts are provided by an LED (51), while a buzzer (55) signals abnormal conditions such as high humidity or full dust collection. The entire unit rests on a rubber palate (58) for shock absorption and stability. The invention is particularly suited for rural and off-grid locations, offering a cost-effective, environmentally friendly, and efficient solution for grain cleaning and preservation.



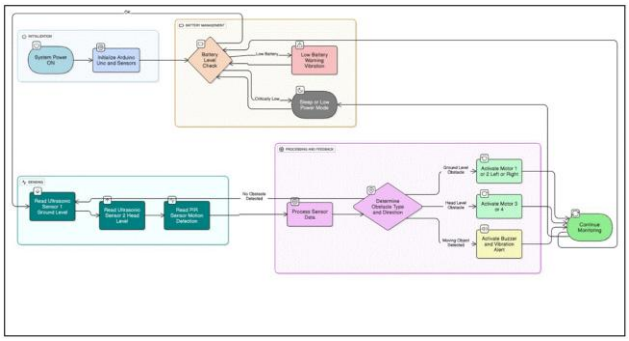
21: 2026/01492. 22: 2026/02/04. 43: 2026/10/05
51: A61H
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAJPUT, Mahesh Mangalsing, SHINGADE, Suraj Ramchandra, OZA, Meet Dilip, KARANDE, Yash Krishnath, WANKHADE, Shalini Vaibhav, KODMELWAR, Manohar Krishnarao

54: AN INTELLIGENT CANE WITH TWO ULTRASONIC SENSORS FOR DETECTION OF BOTH LOW-LEVEL AND HIGH-LEVEL OBSTACLES

00: -

The present invention is related to an intelligent cane with two ultrasonic sensors for detection of both low-level and high-level obstacles. The invention is a new IoT-enabled smart cane for people with visual impairment equipped with two ultrasonic sensors, numerous vibration motors for directional indications, and a PIR motion-detecting sensor. The system indicates tactile notification for what these authors call low-level and high-level obstacles, detects moving entities approaching, provides a low-battery

alert feature, and includes an indication of the safety features through LEDs and retro-reflective bands for visibility. This inexpensive and portable product will provide people with greater mobility, independence, and safety than traditional smart canes.



21: 2026/01493. 22: 2026/02/04. 43: 2026/10/06
51: G06N
71: Anhui University Of Chinese Medicine
72: Rong Yan, An Qing, Li Dajin, Shi Feifei, Ding Caixia, Ding Juan
54: FUZZY LOGIC ONLINE INTELLIGENT ASSESSMENT METHOD FOR ASSISTING RISK OF STROKE-RELATED PNEUMONIA
00: -
The invention provides a fuzzy logic online intelligent assessment method for assisting risk of stroke-related pneumonia, belonging to the technical field of medical assessment. The invention integrates real-time physiological data, medical history data, diagnosis and treatment related data and other multi-source information, breaks through the limitation of traditional single data assessment, eliminates redundant data interference through multi-dimensional correlation analysis and core feature screening, and combines fuzzy logic to accurately process uncertain information, so that the assessment result is more in line with clinical practice. Significantly improve the accuracy of SAP risk assessment. Through the closed-loop mechanism of assessment result archiving, clinical outcome feedback and model iterative optimization, the invention can not only continuously improve the accuracy of model assessment, but also provide data support for neurology nursing process optimization and risk management and control strategy adjustment, reduce the incidence of SAP, improve the prognosis of stroke patients, reduce the workload of medical staff and improve the diagnosis and treatment efficiency.

Step NO.	Stage name
S1	Multi-source data collection and classification integration
S2	Data preprocessing and standardization optimization
S3	Multidimensional analysis of data correlation
S4	Screening and verification of key features
S5	Real-time data set model construction
S6	Construction of fuzzy logic rule base
S7	On-line regularization and fuzzy reasoning evaluation
S8	Risk grading early warning and response
S9	Model adaptive optimization and iteration

21: 2026/01500. 22: 2026/02/04. 43: 2026/10/07
51: B65D
71: TOP CAP HOLDING GMBH
72: PIECH, Gregor Anton
33: DE 31: 10 2023 109 425.4 32: 2023-04-14
54: CAN LID
00: -
A can lid (11) comprises a metal lid surface (13) which has a first flat side (16) and a second flat side (17) which faces away from the first flat side and in which an opening is formed; a sealing frame (27) made of plastics material, which surrounds the opening and is fixedly connected to the first flat side; and a closure unit (29) made of plastics material, which is connected to the first flat side or to the sealing frame so as to be pivotable about a pivot axis (30) and which is designed such that, when the closure unit is in a closed position pivoted onto the sealing frame, the closure unit closes the opening directly and/or by means of a closure piece of the metal lid surface, the closure piece being carried by the closure unit, and, when the closure unit is in an open position pivoted away from the sealing frame, the closure unit opens the opening. The can lid comprises an arrangement consisting of at least three separate support protuberances (31, 34, 35, 39) which are stamped into the metal lid surface such that they form respective protrusions which have the same height relative to the second flat side.

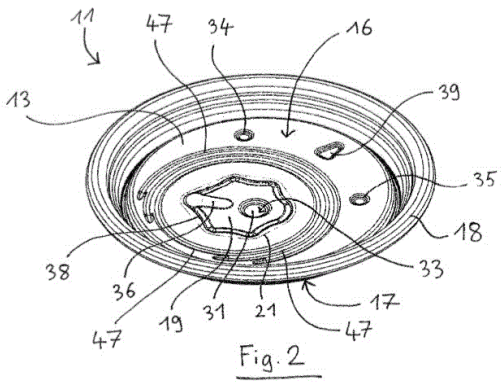


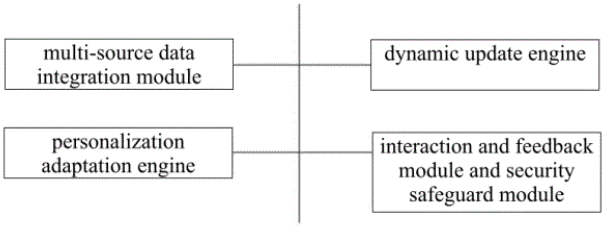
Fig. 2

21: 2026/01525. 22: 2026/02/05. 43: 2026/10/08
51: G06F
71: Yangjiang Polytechnic
72: Yiqiong Liang, Jianying Qiu, Mingwan Luo, Yukui Luo, Jieqiang Liu

54: NOVEL DIGITAL TEXTBOOK DYNAMIC UPDATE AND PERSONALIZATION ADAPTATION SYSTEM

00: -

A novel digital textbook dynamic update and personalization adaptation system, comprising: a multi-source data integration module, configured to collect discipline frontier data required for dynamic updates and multi-dimensional learner data required for personalization adaptation, and perform data cleaning, real-time synchronization, and distributed storage; a dynamic update engine, configured to integrate discipline frontier content based on natural language processing and knowledge graph technology and detect conflicts, prioritize updates via multi-dimensional indicators, automatically embed adapted content into textbooks and support manual review and publishing, thereby realizing automated and precise textbook content updates; the invention achieves efficient and precise dynamic updates: automated processes shorten update cycles, enabling precise integration of frontier content with a core knowledge system, avoiding content fragmentation and conflicts.

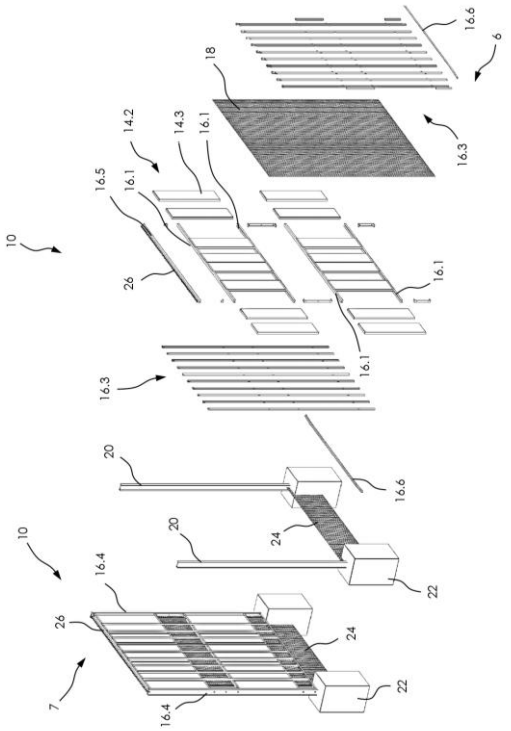


21: 2026/01528. 22: 2026/02/05. 43: 2026/10/08
51: E04B; E04C; G01H; G08B
71: Conrite Group Holdings (Pty) Ltd
72: SPEIRS, Michael

54: FENCE PANEL WITH HIGH HARDNESS CAGE STRUCTURE

00: -

The invention relates to a fence panel 10 comprising a substantially planar frame 16 having opposed plane sides, the fence panel being divided into horizontally disposed panel sections 12, at least one of which comprises at least one opaque structural infill element 14, the frame including a cage structure comprised of a plurality of vertical tubular bars 16.3 secured to the opposed plane sides of the frame, the vertical tubular bars 16.3 being positioned externally of the panel sections 12 such that the bars 16.3 form a security cage about the panel sections 12. The vertical tubular bars 16.3 of the cage structure have inner voids that are filled with a high-hardness security infill material.



21: 2026/01529. 22: 2026/02/05. 43: 2026/10/06
51: G06F; G08B
71: SICHUAN VOCATIONAL AND TECHNICAL COLLEGE OF COMMUNICATIONS
72: WANG, Ailin

54: REAL-TIME SECURITY WARNING AND EVACUATION GUIDANCE SYSTEM FOR TOURISM DESTINATIONS BASED ON DIGITAL TWIN AND EDGE COMPUTING

00: -

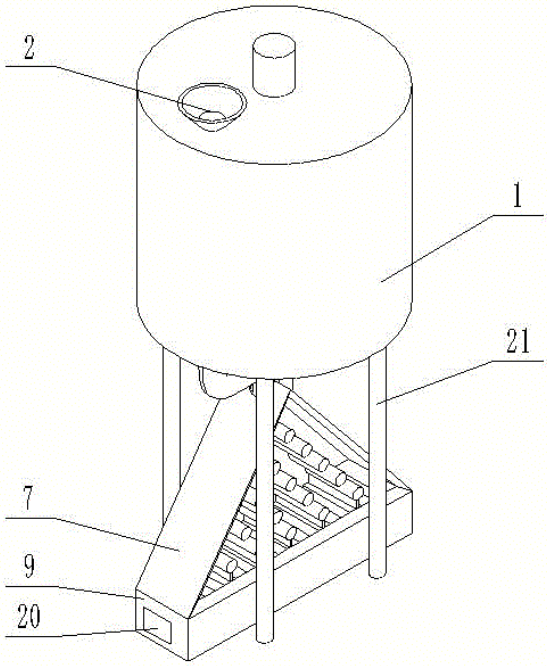
Disclosed is a real-time security warning and evacuation guidance system for tourism destinations based on digital twin and edge computing. To address issues such as poor real time performance, incomplete coverage, and disconnection between warning and evacuation in traditional safety management across diverse South African tourism scenarios, comprising grasslands, deserts, and coastal areas, the system integrates multi source sensing, edge computing, and digital twin technologies to construct a global digital twin ecosystem. By processing environmental, personnel, and facility data in real time at edge nodes, it achieves precise risk identification, tiered warnings, and personalized evacuation guidance. The system core consists of five modules: data acquisition, edge processing, twin modeling, warning, guidance. It reduces risk identification latency to within 500ms and achieves a warning accuracy rate of over 95%, effectively enhancing safety control and emergency response capabilities at South African tourist destinations.

21: 2026/01530. 22: 2026/02/05. 43: 2026/10/06
51: H04M
71: Henan University of Urban Construction
72: ZHOU Yiming, SUN Jianan, LIU Changsheng, CHEN Yao, ZHANG Yao

54: MATHEMATICAL PROBABILITY STATISTICS DEMONSTRATION APPARATUS

00: -

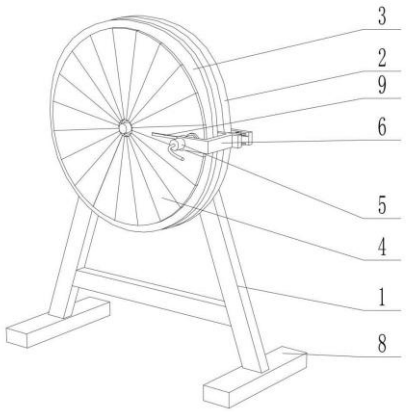
The present invention discloses a mathematical probability statistics demonstration apparatus, belonging to the technical field of mathematical probability statistics, including a mixing box, a ball inlet is arranged on a top surface of the mixing box, a mixing mechanism is arranged inside the mixing box, the mixing mechanism includes a first driving part fixedly connected to the mixing box, the first driving part is fixedly connected with a rotating disk, the rotating disk is located on an inner bottom surface of the mixing box and is provided with a through hole, a first ball outlet is arranged on one side of a bottom surface of the mixing box, the through hole is used for allowing balls to enter the first ball outlet, the first ball outlet is communicated with a first connecting pipe, the first connecting pipe is communicated with a probability demonstration box, a bottom of the probability demonstration box is provided with a plurality of second ball outlets, a statistics mechanism is arranged below the second ball outlets, and a bottom of the probability demonstration box is fixedly connected and communicated with a collection box. The invention, through the connected design of the mixing box and the probability demonstration box, realizes the full-process automation from "randomization" to "demonstration" and then to "statistics", eliminating the need for manual ball-by-ball input, thereby greatly improving demonstration efficiency.



21: 2026/01531. 22: 2026/02/05. 43: 2026/10/06
51: G06F
71: Henan University of Urban Construction
72: ZHOU Yiming, SUN Jianan, LIU Changsheng, CHEN Yao, ZHANG Yao

54: EDUCATIONAL MATHEMATICAL TOOL FOR PROBABILITY AND STATISTICS TRAINING

00: -
This invention discloses an educational mathematical tool for probability and statistics training, belonging to the technical field of mathematical teaching aids. The tool includes a bracket, a fixed disk mounted on the top of the bracket, a rotating disk rotatably connected to the fixed disk, multiple groups of fan-shaped stickers with different colors/patterns and detachably attached via Velcro, a visual detection device installed through a C-shaped clamping structure, and a data processing and display device electrically connected thereto. The fan-shaped stickers may be flexibly spliced to adapt to various probability scenarios; the visual detection device accurately identifies the results; the data processing device automatically stores data, calculates frequencies and probabilities, and generates charts to intuitively display the fitting trend. The invention features stable structure and convenient operation, realizes automatic processing and visualization of experimental data, improves training efficiency, facilitates the understanding of abstract concepts, and is suitable for mathematical teaching.

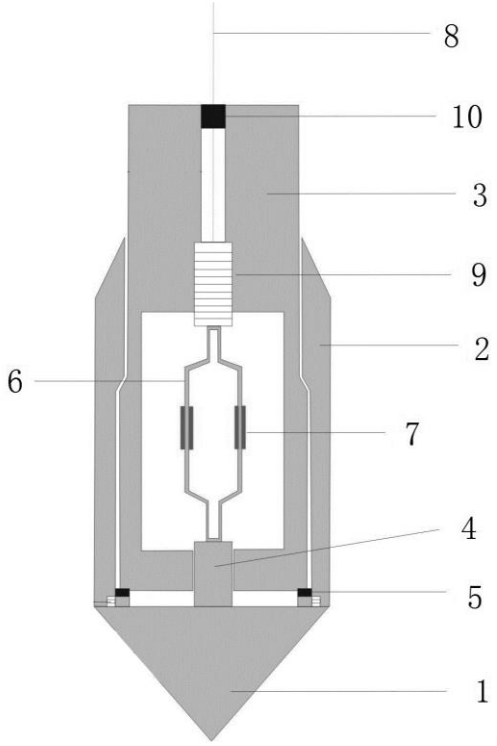


21: 2026/01532. 22: 2026/02/05. 43: 2026/10/06
51: G01D
71: The First Geological Brigade of Jiangsu Geology Bureau, Jiangsu Nanjing Geological Engineering Survey Institute Co., Ltd., Nanjing Tech University
72: CAO Kaixiong, SUN Yijie, GUO Yujun, XU Shubin, WANG Zhenxiang, XU Hongzhong, YANG Bo, LINGHU Mengru, TIAN Yifan

54: OPTICAL FIBER TYPE TEMPERATURE SELF-COMPENSATING STATIC CONE PENETRATION STRESS SENSOR

00: -
The invention discloses an optical fiber type temperature self-compensating static cone penetration stress sensor, which includes a cone head, a friction cylinder assembled integrally with the cone head, and a guide rod; a cavity is arranged in the guide rod, and two ends of the guide rod are respectively provided with a wire through hole and a guide column hole which are communicated with the cavity; a force transmission column and a rubber ring are fixed in the friction cylinder and on the cone head, the force transmission column extends into the guide column hole, and one end of the guide rod towards the guide column hole is propped against the rubber ring; a pressure sensing beam is arranged in the cavity, one end of the pressure sensing beam is propped against the inner wall of the cavity, and the other end is propped against the force transmission column; an optical fiber grating is pasted on the pressure sensing beam, and the optical fiber grating is connected with a communication optical fiber; an inert gas inlet channel and an inert gas outlet channel are formed

in the side wall of the guide rod, and one end of the inert gas inlet channel and one end of the inert gas outlet channel are respectively communicated with the cavity. The invention can overcome the defects that the traditional static cone penetration stress sensor is easy to be damaged when used in a groundwater environment for a long time, which is not economical and delays construction.

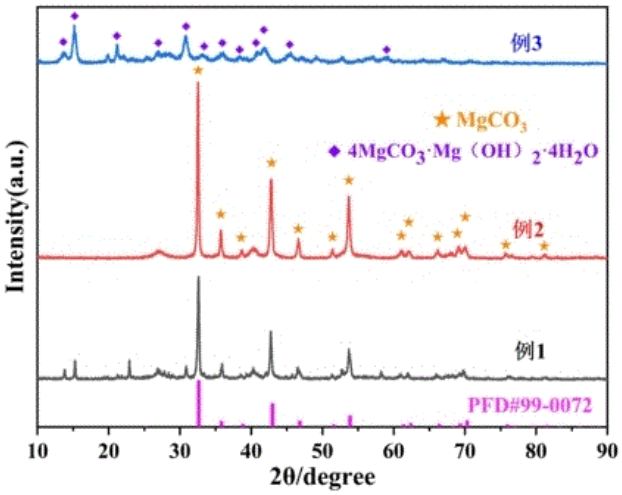


21: 2026/01537. 22: 2026/02/05. 43: 2026/10/06
51: C01F
71: Hebei Meishen Tech Co Ltd
72: Xing Xuan, Bai Xuemei, Ren Xiaohua, Bi Liheng, Sun Mengyong, Sun Jiaxin
33: CN 31: 2025119778338 32: 2025-12-25

54: MAGNESIUM CARBONATE CRYSTAL WITH HIERARCHICAL POROUS STRUCTURE AND PREPARATION METHOD THEREOF

00: -

A magnesium carbonate crystal with a hierarchical porous structure and a preparation method thereof are provided, belonging to the technical field of magnesium carbonate materials. The preparation method includes: dissolving urea and magnesium chloride, adding ammonium fluoride in water bath ultrasonic to be oscillated such that the ammonium fluoride reacts fully, then transferring a reaction system to a hydrothermal reactor to perform a hydrothermal reaction, and washing and drying a reactant to obtain the magnesium carbonate crystal. In this method, with the magnesium chloride and the urea as raw materials and the ammonium fluoride as an additive, in a specific solvent system, the magnesium carbonate crystal with a specific crystal form is synthesized by controlling a reaction temperature, time, a concentration, a stirring speed and other process parameters. With a regular crystal morphology, a high purity, an excellent mechanical stability, and an optimized hierarchical porous structure, the obtained magnesium carbonate crystal can be applied in fields such as a biological agent carrier, gas capture, and environmental protection catalysis.



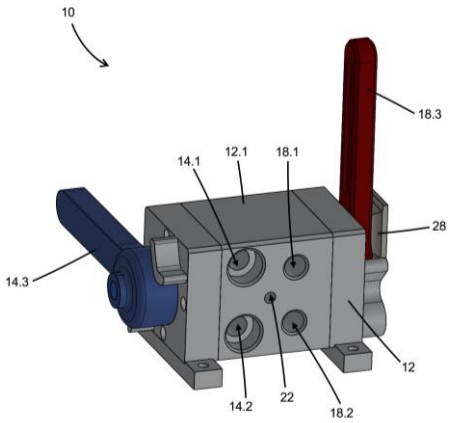
21: 2026/01538. 22: 2026/02/05. 43: 2026/10/08
51: F15C; F16K
71: COMEC INDUSTRIES (PTY) LTD
72: MORETTI, Paolo
33: ZA 31: 2024/08512 32: 2024-11-11

54: VALVE CONTROL PANEL

00: -

This invention relates to a valve control panel. In particular, the invention relates to a twin valve assembly and a control panel suitable for controlling a pneumatic system. The twin valve assembly includes a valve body defining a common inlet port connectable to a pressurised fluid source. A first valve disposed in the valve body has first and second actuator ports connectable to opposite chambers of a first double-acting fluid actuator and operable to direct flow selectively depending on valve position. A second valve is similarly disposed in the valve body and is operable to control a second

double-acting fluid actuator independently of the first valve. The control panel further includes a cut-off valve for controlling airflow from the pressurised air source, an air filter, an air lubricator, the twin pneumatic valve assembly, and a base plate defining a mounting arrangement for the assembly and associated components.

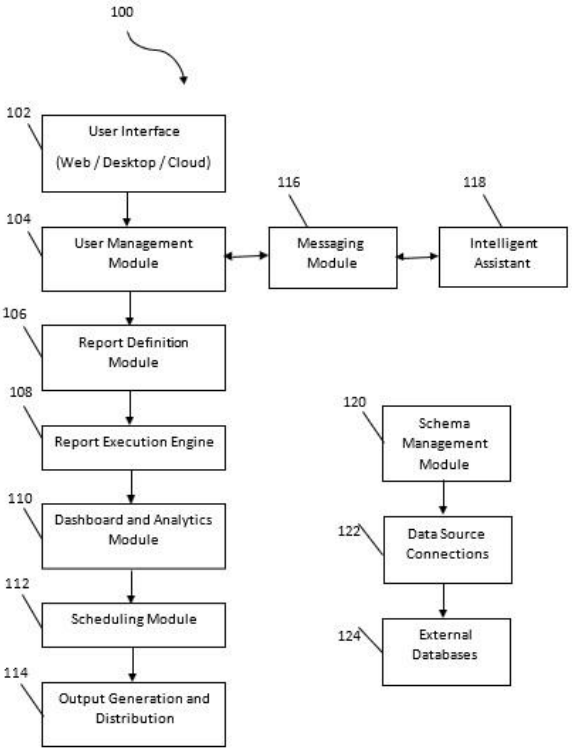


21: 2026/01539. 22: 2026/02/05. 43: 2026/10/06
51: G06F; G06Q
71: MASOKO, John
72: MASOKO, John

54: SYSTEM FOR AND METHOD OF GENERATING MANAGEMENT REPORTS FROM MULTIPLE DATA SOURCES

00: -

A computer-implemented system and method for generating management reports from multiple heterogeneous data sources are disclosed. The system comprises a user interface, a user management module, a report definition module, a report execution engine, a schema management module, a data-source connections module, a scheduling module, a dashboard and analytics module, an output generation and distribution module, and an intelligent assistant. The system is configured to establish secure connections to a plurality of external databases, apply reporting schemas defining data mappings and transformation rules, execute parameterised reports using retrieved data, generate analytical dashboards, and produce report outputs in selectable formats. Automated scheduling and distribution of reports are supported. The architecture enables integration of disparate operational systems into a unified reporting framework while maintaining controlled separation between operational reporting modules and external data sources.



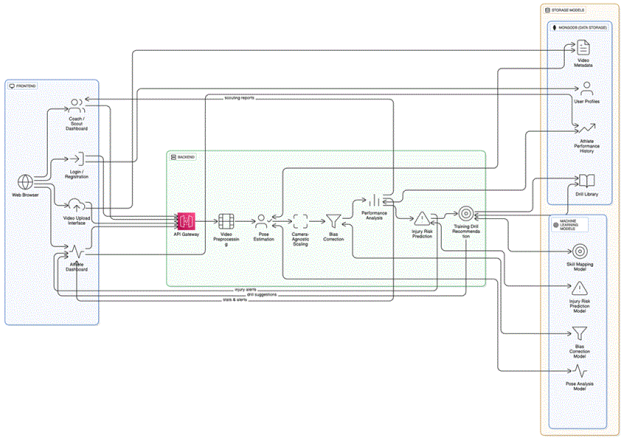
21: 2026/01540. 22: 2026/02/05. 43: 2026/10/06
51: A63B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MORE, Rushikesh, NAGALKAR, Ayush, HAKE, Jagadev, BAYAS, Abhishek, PATIL, Amol Vijay, YENKIKAR, Anuradha Vishwajit, PANDIT, Pranjal Sharadchandra, SABLE, Nilesh Popat

54: AN AI-POWERED MULTI-SPORT SYSTEM FOR ATHLETE SCOUTING, INJURY PREDICTION, FAIR SCORING, AND TRAINING RECOMMENDATION

00: -

The present invention is related to an AI-powered multi-sport system for athlete scouting, injury prediction, fair scoring, and training recommendation. The invention is an AI-powered multi-sport athlete evaluation system that enables a measurement of scouting, injury risk, unbiased scoring, and tailored training recommendations utilizing gameplay or training videos exclusively. The system consists of a camera independent scaling that provides a medium for converting pixel-based measurements to real world measurements, bias

correction model that corrects the device and environment variations, and pose-sequence analysis engine used to find biomechanical versions patterns linked to injury risks. A training drill generator is also included in the system that provides sport specific activities based on their identified weaknesses. The invention is developed as cloud or internet-based software and is less sensitive to bandwidth, eliminating the need to purchase specialized hardware and allow access to those in rural and economically disadvantaged areas. It also provides coaches, scouts, and sports organizations with a scalable, data-driven and accurate medium for athlete talent identification and development.

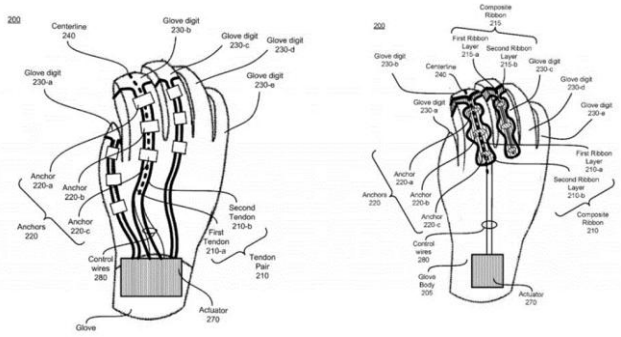


21: 2026/01541. 22: 2026/02/05. 43: 2026/10/06
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KOLASE, Kedar Ramchandra, MHASKE, Anurag Anil, JADHAV, Dattaraj Tatyasaheb, MAGDUM, Sairaj Rajendra, PATIL, Amol Vijay, YENKIKAR, Anuradha, SABLE, Nilesh Popat, PANDIT, Pranjal

54: AN ADVANCED HAPTIC FEEDBACK SYSTEM FOR ENHANCED VIRTUAL OBJECT MANIPULATION IN IMMERSIVE VIRTUAL REALITY ENVIRONMENTS

00: -

The present invention is related to an advanced haptic feedback system for enhanced virtual object manipulation in immersive virtual reality environments. An advanced wearable haptic feedback system for virtual reality object/hardware manipulation offers ultra-low latency, high-resolution multi-modal tactile sensations - by combining force, vibration, thermal, texture feedback, through a dense array of actuators included within a sensor network. A real time processing unit runs complex predictive force rendering and adaptive control algorithms to ensure that the feedback is presented in synch with user interactions, while a separate simulation engine reconstructs the material properties to ensure realistic touch perception. This lightweight, portable, wireless device enables long-duration usage without tethering and can interact with many virtual reality platforms through a dedicated open API. The system is designed to improve the realism, precision and immersion of tactile experiences in a variety of applications such as manufacturing design, medical or educational simulation, gaming, and accessibility tools.

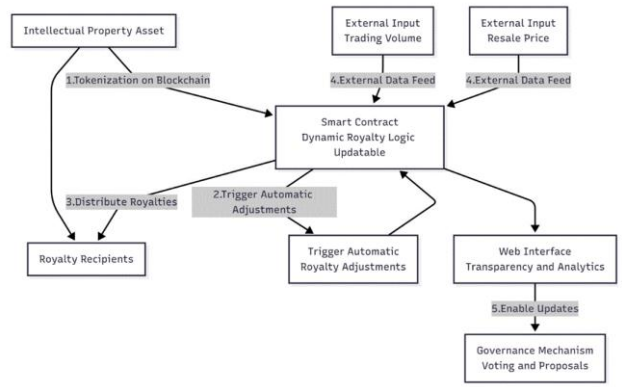


21: 2026/01542. 22: 2026/02/05. 43: 2026/10/06
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SHAIKH, Armaan Asif, KHANDELWAL, Rishi Ravindra, SAYYED, Uzair Sajid, GHADIYALI, Huzaifa Taher, PATIL, Amol Vijay, JOSHI, Shrikant, SABLE, Nilesh Popat, PANDIT, Pranjal

54: A BLOCKCHAIN-BASED SYSTEM FOR TOKENIZING INTELLECTUAL PROPERTY (IP) ASSETS

00: -

The present invention is related to a blockchain-based system for tokenizing intellectual property (IP) assets. A blockchain-based system for tokenizing intellectual property (IP) assets, featuring dynamic and updateable royalty logic embedded within smart contracts. The system adjusts royalty percentages based on asset performance metrics, distributes payments among multiple recipients, and allows post-issuance updates through governance or automated triggers, creating a transparent, fair, and adaptive ecosystem for creators, stakeholders, and investors.

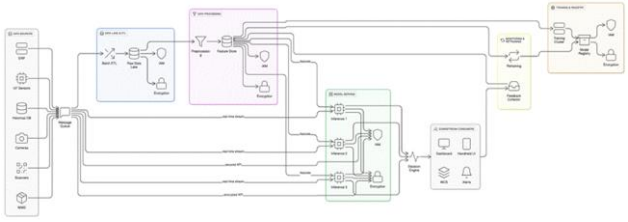


21: 2026/01543. 22: 2026/02/05. 43: 2026/10/06
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: YELWANDE, Snehal Laxmikant, ZAWARE, Pranav Gokul, PATIL, Tushar Sunil, PUJDEKAR, Suraj Bandu, PATIL, Amol Vijay, SABLE, Nilesh Popat, PANDIT, Pranjal Sharadchandra, YENKIKAR, Anuradha Vishwajit

54: AN AI/ML BASED WAREHOUSE OPERATIONS OPTIMIZATION SYSTEM FOR DEMAND PREDICTION AND INVENTORY ACCURACY

00: -

The present invention is related to an AI/ML based warehouse operations optimization system for demand prediction and inventory accuracy. The invention introduces an optimization system for warehouses that uses AI and ML to improve their efficiency with respect to forecasting, accurate inventories, and more effective picking strategies. The system integrates advanced data analytics and machine learning models, dynamically forecasting product demand, recommending optimal stocking locations, improving anomaly detection, and enhancing both labor and route planning. This invention overcomes the inefficiency of rule-based WMS, offering a modern, intelligent, and flexible approach to warehouse management.

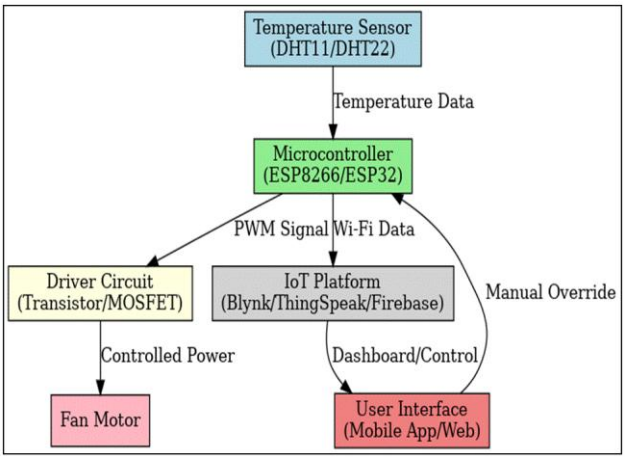


21: 2026/01544. 22: 2026/02/05. 43: 2026/10/06
51: G05B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NALAWADE, Rohan Arun, KHANDEKAR, Saish Sanjay, SHELKE, Shubham Uttam, WAGHMARE, Pramod Dnyandev, WANKHADE, Shalini Vaibhav, MAHALLE, Parikshit N.

54: AN IOT-ENABLED AUTOMATIC FAN SPEED REGULATION SYSTEM

00: -

The present invention is related to an IoT-enabled automatic fan speed regulation system that adjusts fan speed according to ambient temperature using a digital sensor (DHT11/DHT22) and a microcontroller (ESP8266/ESP32). The system employs PWM-based control for energy efficiency and integrates with IoT platforms (Blynk, ThingSpeak, Firebase) for real-time monitoring and remote override. This solution enhances comfort, reduces manual intervention, and conserves energy, making it suitable for homes, offices, institutions, and industries.



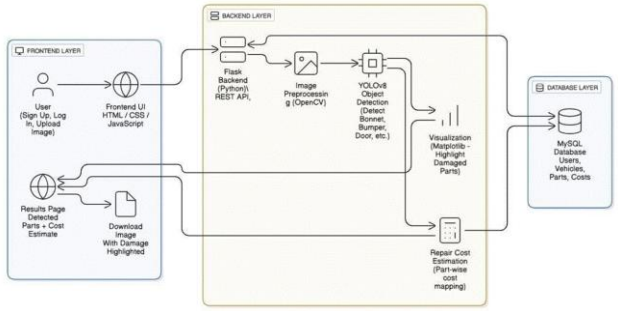
21: 2026/01545. 22: 2026/02/05. 43: 2026/10/06
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KHOJE, Prathmesh Amol, KHEDKAR, Om Madhukar, MESHRAM, Shrunkhal Nilesh, GAIKWAD, Yash Vilas, YENKIKAR, Anuradha, PANDIT, Pranjal, SABLE, Nilesh Popat, MIRAJKAR, Riddhi

54: AN AI POWERED SYSTEM FOR VEHICLE DAMAGE ASSESSMENT, COST ESTIMATION AND GARAGE IDENTIFICATIONS

00: -

The present invention is related to an AI powered system for vehicle damage assessment, cost estimation and garage identifications. An AI vehicle

damage evaluation and repair estimation tool that determines a user's damages by using an image analysis engine to find, identify and classify the level of car damage severity that a user captures from their own images. The system of integrated tools provides reliability by using deep learning for detection of damages, algorithms to estimate repair costs, location-aware suggestions for garages, and augmented reality to visualize the damages to the user. All methods can be accurately and reliably executed without the need of a person to inspect or confirm damages.

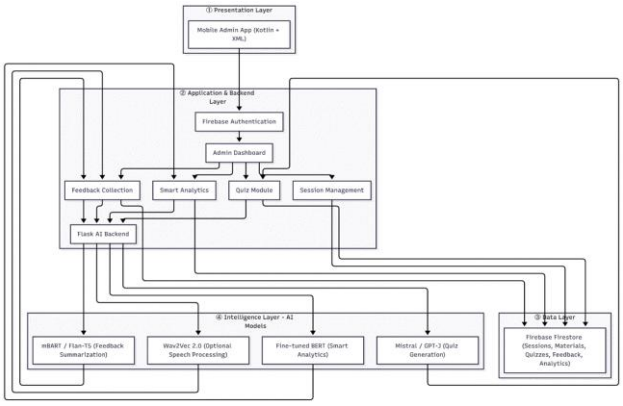


21: 2026/01546. 22: 2026/02/05. 43: 2026/10/06
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KATAKDHOND, Janhvi Vijaykumar, MAHABDI, Mansi Mangesh, GHORPADE, Isha Sunil, KHADE, Vaishnavi Rajkumar, PATIL, Amol Vijay, JOSHI, Shrikant, SABLE, Nilesh Popat, PANDIT, Pranjal Sharadchandra

54: AN AI-INTEGRATED ADMINISTRATIVE AND LEARNING MANAGEMENT SYSTEM FOR ENHANCING STUDENT ENGAGEMENT AND EXPEDITE ADMINISTRATIVE TASKS

00: -

The present invention is related to an AI-integrated administrative and learning management system for enhancing student engagement and expedite administrative tasks. The invention reveals a backend platform with AI enhancements that is incorporated into a dual mobile application ecosystem for administration and learning. Features like intelligent session scheduling, adaptive quiz creation and assessment, real-time learner feedback, context-aware content recommendations, and geo-based training discovery are made possible by the system's combination of sophisticated large language models (LLMs) and artificial intelligence (AI) techniques. Monitoring student engagement, intelligent task automation, and mobile-first control of learning modules are all made possible by the admin dashboard. Natural language processing, speech transcription, and personalized recommendations are powered by LLMs like Mistral, T5, BERT, FastText, and BiLSTM-CRF. Predictive scheduling, AI-based MCQ creation and assessment, learner behavior anomaly detection, and session and answer auto-summarization are some of the main features. The system improves learner outcomes, increases scalability, and decreases manual intervention through customized and intelligent engagement strategies. By offering a real-time, intelligent, and modular learning management system that can be scaled for deployment in training organizations and educational institutions, this invention fills gaps in mobile EdTech environments.



21: 2026/01547. 22: 2026/02/05. 43: 2026/10/06
51: G06F
71: Dr Sameerchand Pudaruth, Beebee Zaheenah Jameela Boodeea, Dr Aneerav Sukhoo, Dr Nitish Chooramun
72: Dr Sameerchand Pudaruth, Beebee Zaheenah Jameela Boodeea, Dr Aneerav Sukhoo, Dr Nitish Chooramun

54: HYBRID MACHINE TRANSLATION SYSTEM AND METHOD THEREOF

00: -

A hybrid machine translation system and method thereof, comprising a dataset generation module 101 creates sentences from named entities in a first language into a second language, a pre-processing module 102 handles syntactical structures, a standardization module 103 converts sentences from American English to British English, an API 104 for a GPT-based large language model (LLM) agent classifies named entities in the first language, a

neural machine translation module 105 translates the entity-classified sentences, a post-processing module 106 replaces contextually equivalent words in translated sentence with original named entities, a Gramformer library 107 grammatically corrects and contextual refine, the dataset, API 104, and library 107 are embedded in non-volatile memory 108 and executed by a processor, the method involves generating 201 input sentences, pre-processing 202 syntactical structures, standardizing 203 language forms, classifying 204 named entities, translating 205 sentences, replacing 206 contextually equivalent words, and correcting 207 grammar for improved translation accuracy.

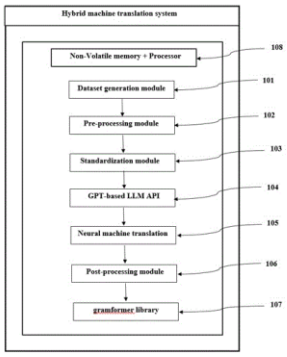


Figure 01

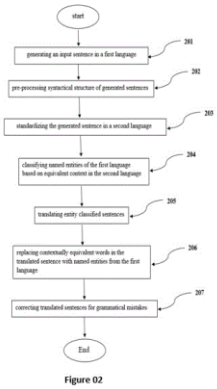


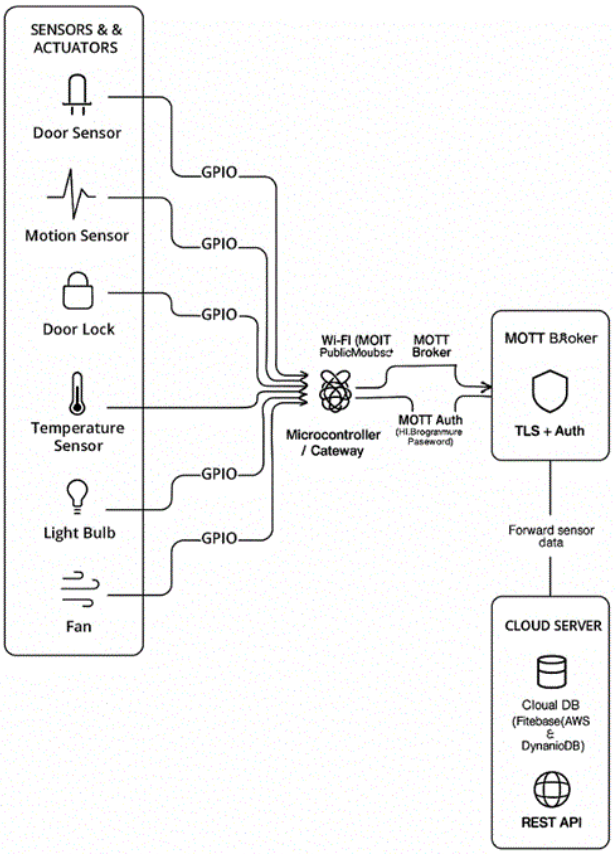
Figure 02

21: 2026/01548. 22: 2026/02/05. 43: 2026/10/06
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PHANASE, Siddhika Bhalchandra, PAWAR, Pratiksha Arvind, GAIKWAD, Pranali Popat, AUTADE, Prajakta Vilas, WANKHADE, Shalini Vaibhav, KODMELWAR, Manohar Krishnarao

54: AN IOT-BASED HOME AUTOMATION SYSTEM

00: -

The present invention is related to an IoT-based home automation system. This system describes a cost-effective IoT-based home automation solution that uses Wi-Fi-enabled microcontrollers, sensors, and relays to provide remote appliance control. A mobile/web platform allows real-time device monitoring, while MQTT communication ensures reliability. Integrated features include motion sensing, environmental monitoring, and scheduling tools for better energy efficiency and convenience. The solution is affordable, scalable, and practical, making it suitable for a wide range of environments.



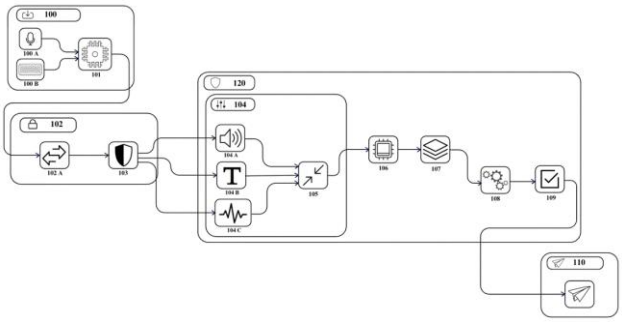
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51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KINAGI, Shivani Bharatraj, SASTE, Janhvi Pramod, JAIN, Sayyam Jayantilal, SABLE, Nilesh Popat, YENKIKAR, Anuradha Vishwajit, PANDIT, Pranjal Sharadchandra, PATIL, Amol Vijay, SHINDE, Gitanjali Rahul

54: A REAL-TIME COGNITIVE SECURITY DEVICE USING A MULTI-MODAL HARDWARE CO-PROCESSOR

00: -

The present invention is related to a real-time cognitive security device using a multi-modal hardware co-processor. The device is a dedicated co-processor with dedicated hardware circuitry for processing and receiving multi-modal input data such as semantic text, behavioral keystroke dynamics, and vocal prosody. A sensor fusion core in the hardware aggregates extracted features from these modalities into a single vector, which is classified by an on-chip inference engine to identify a user's cognitive state (e.g., stressed, hostile). The entire process takes place in a secure hardware

enclave to protect user privacy. The invention facilitates real-time, low-power, and proactive moderation and mental wellness interventions on mobile and wearable devices.

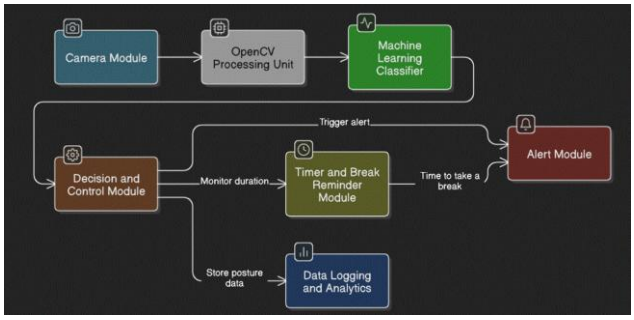


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51: G08B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MESHRAM, Vishal A., SHINDE, Sandip Ramrao, MESHRAM, Vidula Vishal, CHHAJED, Ajay S., JOSHI, Soham, KORE, Aayush, SHAH, Harsh, KADAM, Girish

54: A POSTURE DETECTION AND ALERT SYSTEM

00: -

The present invention is related to a posture detection and alert system. The invention is a health-focused system designed to reduce posture-related problems caused by prolonged sitting. It uses a camera, OpenCV-based image processing, and machine learning algorithms to detect improper sitting postures in real time. On detection, the system generates immediate alerts and reminders, while a timer-based mechanism ensures periodic breaks. The system is non-intrusive, cost-effective, and scalable, with applications in workplaces and personal environments. By providing continuous monitoring and adaptive feedback, it promotes healthier sitting habits, reduces musculoskeletal risks, and enhances productivity.

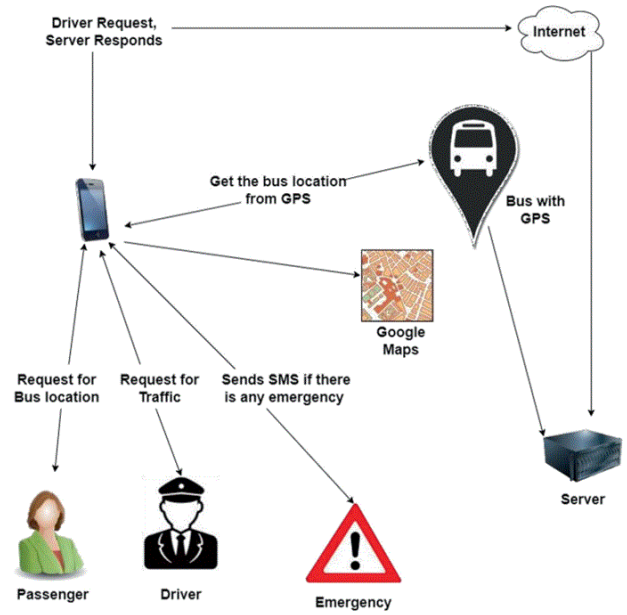


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51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAUT, Sahil Kisan, GHADAGE, Samarth Chandrakant, SOMANI, Athharvva Purshottam, WANKHADE, Shalini Vaibhav

54: A GPS-ENABLED PUBLIC BUS TRACKING SYSTEM WITH ETA PREDICTION

00: -

The present invention is related to a GPS-enabled public bus tracking system with ETA prediction, where IoT devices on buses transmit live data to cloud servers. Machine learning models predict stop-wise ETAs considering real-time traffic and historical patterns. The system disseminates arrival information via apps, SMS, IVR, and bus stop displays, while also enabling fleet optimization for operators. It is scalable, resilient to network issues, and deployable in both urban and rural contexts.



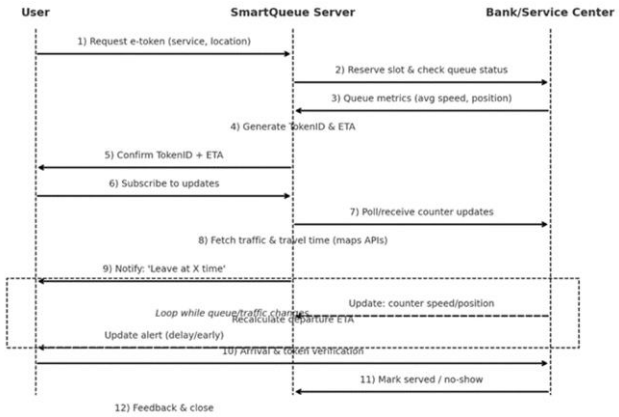
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51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MESHRAM, Vidula Vishal, SHINDE, Sandip Ramrao, MESHRAM, Vishal Ambadas, REGE, Pallavi, CHHAJED, Ajay S, KALLAWAR, Prapti Vinod

54: A DYNAMIC, LOCATION-AWARE E-TOKEN NOTIFICATION SYSTEM FOR REDUCING PUBLIC SERVICE WAITING TIMES

00: -

The present invention is related to a dynamic, location-aware E-Token notification system for reducing public service waiting times. This invention discloses, a dynamic e-token booking and notification system that minimizes waiting times in public service locations. The system integrates real-time queue monitoring, user location tracking, and live traffic data to determine the optimal time for a user to start their journey, ensuring arrival just before their turn. The AI engine dynamically updates notifications based on service speed and traffic changes. Designed for use in banks, post offices, hospitals, and other public offices, the system improves operational efficiency, reduces crowding, and enhances user satisfaction.

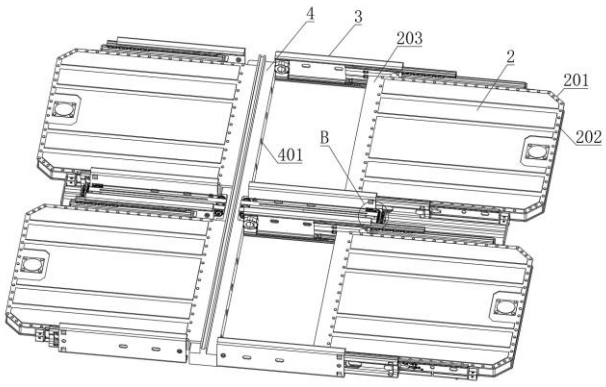


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51: H01M
71: Wuhu Vocational Technical University
72: Bian Hongli, Wang Xinwei, Zhang Chi, Yang Rongli, Yu Ran, Zhang Yuanchao, Zhu Xiaoyan, Yu Peng, Wang Zixi, Zong Faxin

54: MODULAR AND EASY-TO-DISASSEMBLE RECYCLABLE LITHIUM BATTERY FOR NEW ENERGY VEHICLES AND ITS IMPLEMENTATION METHOD

00: -

This invention discloses a modular, easily separable, and recyclable lithium battery for new energy vehicles, along with its implementation method, which belongs to the field of new energy battery technology.The modular, detachable, and recyclable lithium battery for new energy vehicles in this invention comprises a modular battery, a new energy vehicle body frame, an intelligent guide rail, and an electric adjustment frame. The front end of the intelligent guide rail is equipped with a locking mechanism, which is fitted with a positioning tenon. Quick-release connection plates are installed on both sides of the modular battery.This invention resolves the practical challenges of existing lithium battery modules, particularly their cumbersome installation and removal from electric vehicles, as well as their complex structure that hinders separation for recycling. By integrating mechanical locking, electrical connections, and position adjustment into a unified guide rail and adjustment frame system, the invention achieves a compact design. This provides a robust data foundation for predictive maintenance, precise health status assessment, and subsequent production processes of modular batteries.

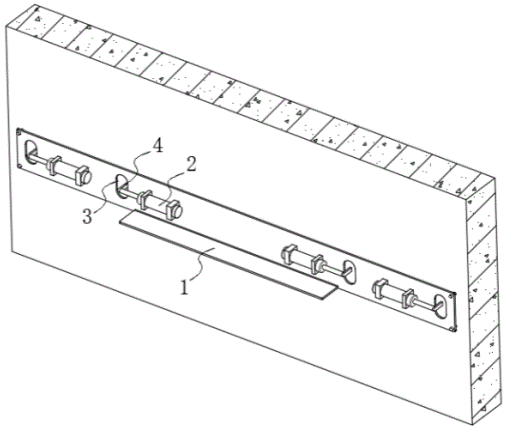


21: 2026/01556. 22: 2026/02/05. 43: 2026/10/09
51: G01B
71: ZHEJIANG RUIBANG KETE TESTING CO., LTD.
72: WU, Jiahao, QU, Haohao, LEI, Haifei, HUANG, Jianniao, YAN, Sunrong, CHEN, Wenhua
33: CN 31: 202511682200.4 32: 2025-11-17

54: TEMPERATURE COMPENSATION METHOD AND DEVICE FOR VIBRATING WIRE CRACK GAUGE APPLIED TO CRACK DETECTION

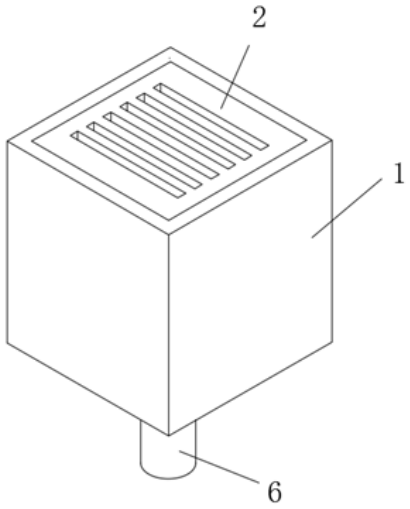
00: -

The present invention provides a temperature compensation method and device for a vibrating wire crack gauge applied to crack detection, and relates to the technical field of computer processing. The temperature compensation device includes a metal mounting back plate installed at a predetermined spacing from an external wall, wherein a plurality of vibrating wire crack gauges are fixed on the metal mounting back plate; the vibrating wire crack gauges are fixedly installed at preset openings of a mounting bracket by means of bolt assemblies; left and right cantilevers of the metal mounting back plate can form two independent detection groups, and at least one temperature sensor is arranged on each of the vibrating wire crack gauges. In the present invention, by integrating automatic temperature compensation, data quality control, and time-varying trend analysis, more intelligent, reliable, and efficient long-term automatic monitoring of structural cracks is achieved ultimately.



21: 2026/01589. 22: 2026/02/05. 43: 2026/10/09
51: E03F
71: JIANGSU RONGZHOU MUNICIPAL ENGINEERING CO., LTD
72: ZHANG, Yao
54: MUNICIPAL ROAD DRAINAGE PIPE FILTER SCREEN
00: -

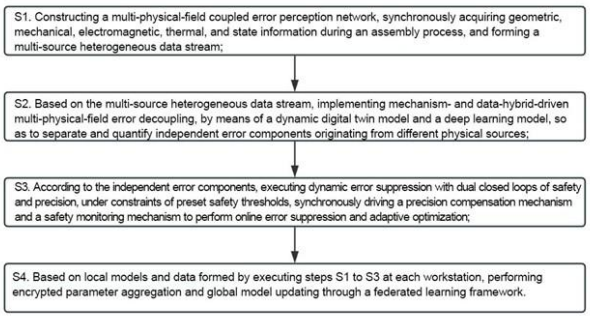
The invention relates to drainage pipe filter screen technology and discloses a municipal road drainage pipe filter screen. The device comprises an underground drainage well with a well cover at the top and a drainage pipe at the bottom. A coarse filter screen is arranged in an upper portion of an inner cavity of the drainage well, and a filter bucket is arranged below the coarse filter screen. A fine filter screen is arranged at a bottom of the filter bucket. Buffer components are provided on both sides of the inner cavity, and installation components with limit blocks fix and position the coarse filter screen. The three-stage structure formed by the coarse filter screen, filter bucket, and fine filter screen realizes graded interception of leaves, plastic bags, stones, and other debris, prevents such debris from entering the drainage pipe, significantly reduces pipeline blockage risk, and maintains long-term stable drainage capacity.



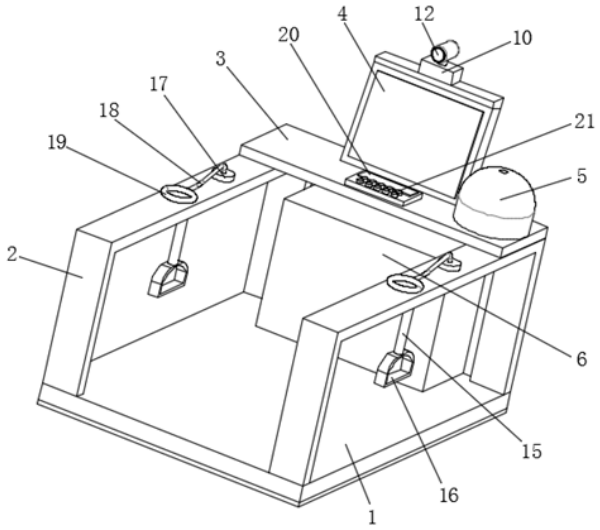
21: 2026/01590. 22: 2026/02/05. 43: 2026/10/09
51: G05B
71: ANHUI VOCATIONAL COLLEGE OF DEFENSE TECHNOLOGY
72: GONG, Deng, HAN, Gang, XU, Jun, ZHENG, Ting, MA, Wenlong
54: MULTI-SOURCE ERROR DECOUPLING AND SUPPRESSION METHOD FOR AUTOMATIC ASSEMBLY OF A PROJECTILE FUZE
00: -

The present invention discloses a multi-source error decoupling and suppression method for automatic assembly of projectile fuzes, belonging to the technical field of intelligent assembly, and comprising the following steps: S1. Constructing a multi-physical-field coupled error perception network, and synchronously acquiring geometric, mechanical, electromagnetic, thermal, and state information during the assembly process, so as to form a multi-source heterogeneous data stream; S2. Based on the multi-source heterogeneous data stream,

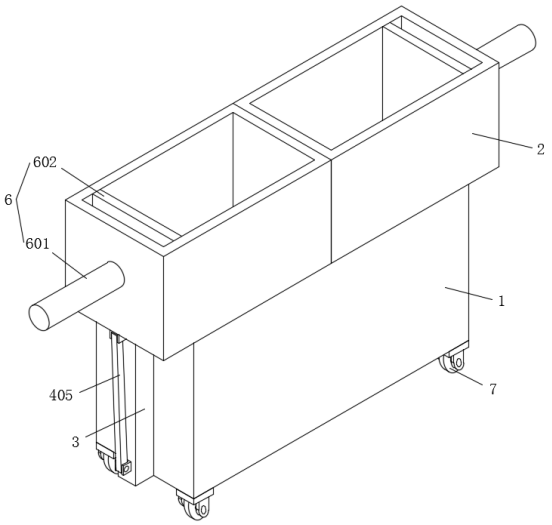
implementing mechanism- and data-hybrid-driven multi-physical-field error decoupling. The multi-source error decoupling and suppression method for automatic assembly of projectile fuzes proposed by the present invention, by constructing a collaborative perception system covering multiple physical fields, realizes comprehensive and synchronous monitoring of multidimensional errors, thereby providing a complete data foundation for subsequent precise control. By combining a hybrid driving mechanism of digital twin and deep learning, the method overcomes the limitations of conventional single-dimension decoupling methods.



21: 2026/01591. 22: 2026/02/05. 43: 2026/10/09
51: A61H
71: XINYU UNIVERSITY
72: LI, Qi, WU, Suting, LIU, Hualing, LIU, Wei, SU, Guangjun, ZENG, Ju, MAO, Jianbao, HUANG, Yan
54: SPORTS INJURY REHABILITATION AUXILIARY DEVICE
00: -
The invention relates to rehabilitation equipment technology and discloses a sports injury rehabilitation auxiliary device. The device comprises a bottom plate, support frames fixed at front and rear positions on the bottom plate, and a horizontal plate connected to the support frames, wherein a monitor is mounted on the horizontal plate. An augmented reality helmet, data processor, PLC controller, and data storage device are integrated with the device to provide intelligent rehabilitation training assistance. During rehabilitation training, standard training actions, virtual coaches, or gamified training scenarios are overlaid onto a real environment, enabling patients to intuitively observe real-time comparisons between their own movements and standard movements. The device provides immediate visual feedback, improves training interest, reduces feedback lag in rehabilitation effectiveness, and enables real-time monitoring of training performance. The device is suitable for sports injury rehabilitation and effectively enhances patient engagement, training accuracy, and overall rehabilitation outcomes.



21: 2026/01592. 22: 2026/02/05. 43: 2026/10/09
51: B62B; B65D
71: XINYU UNIVERSITY
72: YAN, Yixin, GONG, Xiaohua, WAN, Mingxiu, XIA, Meihua, LI, Yunling, ZHANG, Sa
54: BOOK TRANSPORT DEVICE FOR LIBRARIES
00: -
The invention relates to book transport equipment technology and discloses a book transport device for libraries. The device comprises a main placement rack, wherein auxiliary placement racks are slidably connected to two sides of a top of the main placement rack. Adjustment boxes are fixedly arranged on both sides of the main placement rack, and adjustment components arranged in inner cavities of the adjustment boxes are flexibly connected to the auxiliary placement racks. A main positioning component is fixedly arranged at a bottom of an inner cavity of the main placement rack, and auxiliary positioning components are arranged on opposite sides of inner cavities of the auxiliary placement racks. By operating the adjustment components, the auxiliary placement racks can slide outward or retract inward, enabling flexible adjustment of loading width and carrying capacity according to the quantity and size of books during library transport operations.

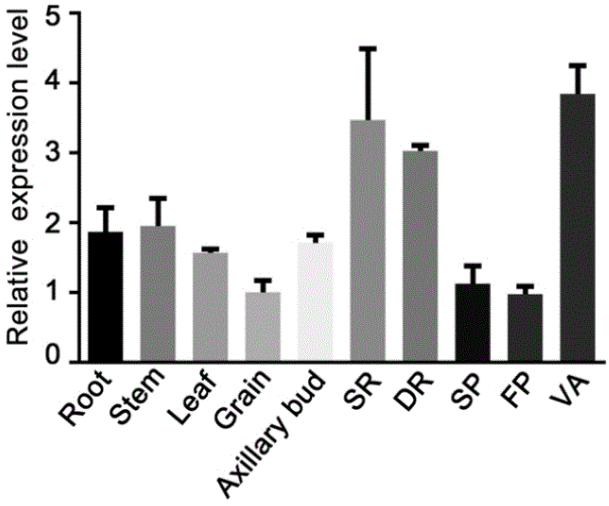


21: 2026/01593. 22: 2026/02/06. 43: 2026/10/09
51: C12N
71: Shandong Agricultural University
72: WANG Xiuling, LI Xinyu, JIANG Zhaowang, QI Haodong, ZHOU Zhou

54: APPLICATION OF WHEAT TAU2AF65 GENE IN REGULATING WHEAT SPIKELET NUMBER

00: -

The invention discloses an application of the wheat TaU2AF65 gene in regulating wheat spikelet number, belonging to the technical fields of genetic engineering and molecular breeding. The research of the invention finds that the TaU2AF65 gene-silenced mutant wheat plant constructed by genetically transforming the biological material for silencing the wheat TaU2AF65 gene into wheat can reduce the wheat spikelet number, while yield traits such as tiller number, effective tiller number, plant height, grain length and grain width have no significant difference from the wild type. Therefore, the wheat TaU2AF65 gene can be used as a new panicle type gene, which significantly reduces the wheat spikelet number on the premise of ensuring that the wheat plant type is not affected. It is proved that the TaU2AF65 gene has a positive regulatory effect on the wheat spikelet number, which lays a new foundation for optimizing and improving wheat varieties.

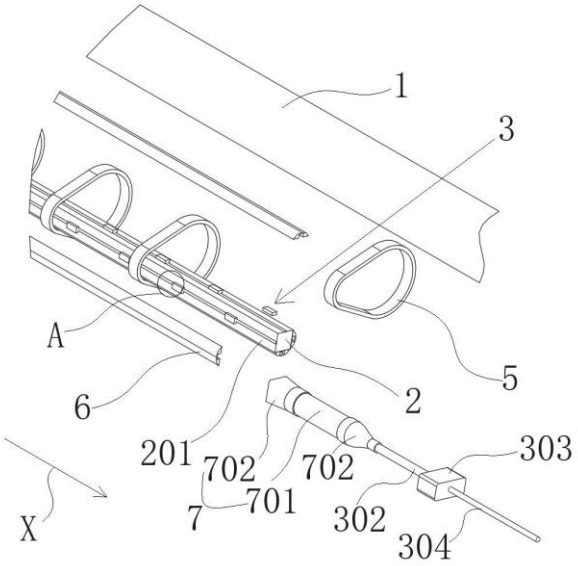


21: 2026/01594. 22: 2026/02/06. 43: 2026/10/09
51: G01B
71: Nanjing Tech University, China University of Geosciences(Wuhan)
72: YANG Bo, SUN Yijie, CAO Kaixiong, LINGHU Mengru, TIAN Yifan, LIN Huiming, XU Hongzhong, SHENG Jian, BI Gang

54: ROCK MASS INTERNAL DEFORMATION MONITORING DEVICE BASED ON ROCK BOLT

00: -

The present invention relates to the technical field of geological monitoring, and discloses a rock mass internal deformation monitoring device based on a rock bolt, including: a rock bolt; a mounting rod, which has mounting positions for mounting sensors and is detachably connected to the rock bolt; a transmission and processing mechanism, which includes a transmission optical fiber, a pigtail bundle, an optical splitter, a lead wire and an optical fiber demodulator; the transmission optical fiber is used for connecting the sensors; the optical splitter and the transmission optical fiber are connected through the pigtail bundle; the lead wire of the optical splitter is connected to the optical fiber demodulator; a protective shell is arranged on the mounting rod; one sensor is located in the protective shell and forms a temperature compensation sensor together with the protective shell. In this way, the operation of connecting the mounting rod with mounted sensors to the rock bolt is simple; while meeting the requirement for monitoring the deformation of geological rock and soil mass, it may also avoid the reduction of construction efficiency caused by sensor installation as much as possible.

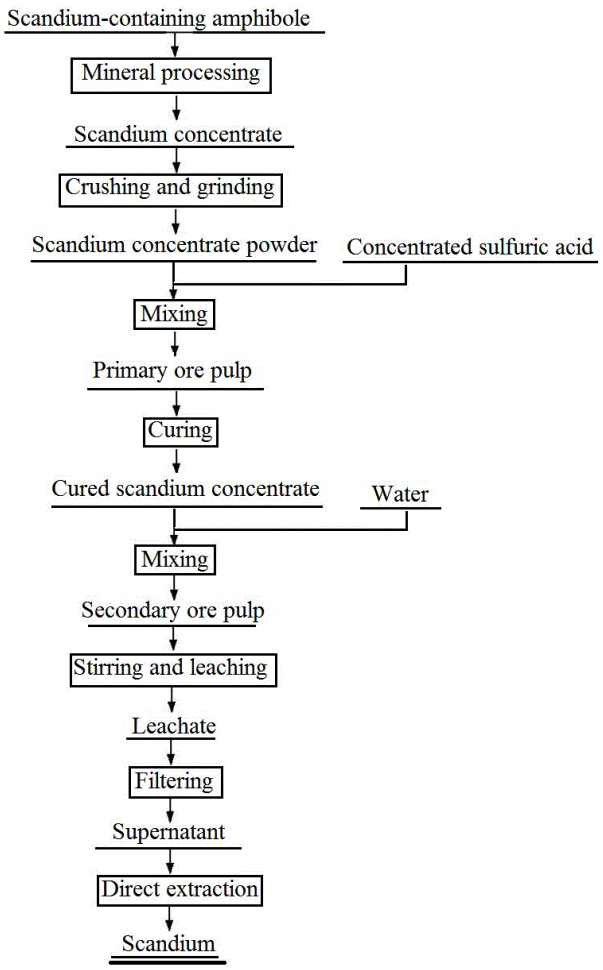


21: 2026/01595. 22: 2026/02/06. 43: 2026/10/09
51: C22B
71: Central South University
72: SHEN Louyan, ZHAO Hongbo, MENG Xiaoyu, ZHANG Yisheng

54: METHOD FOR EXTRACTING SCANDIUM FROM ORE

00: -

The invention relates to a method for extracting scandium from ore, which includes the following steps: subjecting scandium-containing amphibole to mineral processing to obtain scandium concentrate; crushing the scandium concentrate and grinding it into powder to obtain scandium concentrate powder; mixing the scandium concentrate powder with concentrated sulfuric acid to obtain primary ore pulp; curing the primary ore pulp at a certain temperature to obtain cured scandium concentrate; mixing the cured scandium concentrate with water to obtain secondary ore pulp; stirring and leaching the secondary ore pulp at a certain temperature to obtain a leachate; filtering the leachate to obtain a supernatant, and then directly extracting scandium from the supernatant. In the scandium extraction process of the invention, no additional roasting treatment of rare earth minerals is required, and no mineral acid is needed as a leaching agent to extract scandium during the leaching process, which simplifies the production process and reduces the production cost. The method is clean, simple, easy to operate, and suitable for large-scale promotion and application.



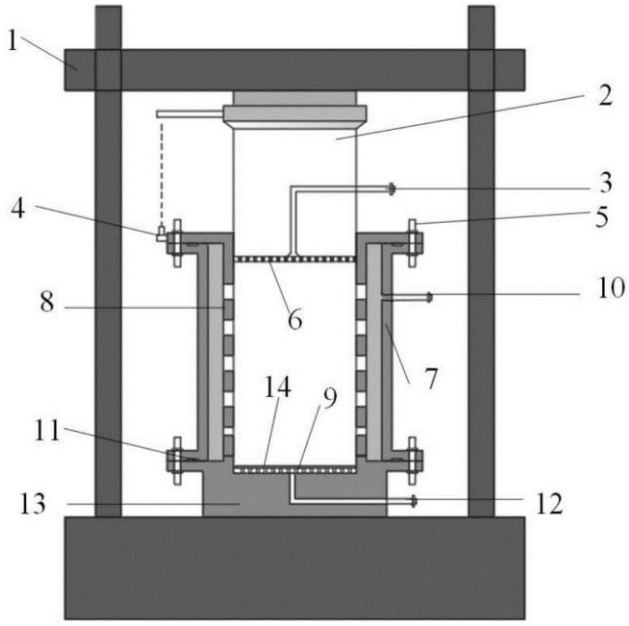
21: 2026/01596. 22: 2026/02/06. 43: 2026/10/09
51: E02D
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY
72: MA Dan, ZHANG Jixiong, DUAN Hongyu, MA Zhisong, GAO Xuefeng, LI Qiang, ZHANG Chuanjiu, LI Wenxin, WANG Baoli
33: CN 31: 2025101819530 32: 2025-02-19

54: INTEGRATED EQUIPMENT AND METHODOLOGY FOR CONCURRENT PERMEABILITY MONITORING DURING GROUT INJECTION INTO EXCAVATION-DISTURBED FRACTURED ROCK MASS

00: -

A device and a method for grouting test in mining-induced fractured rock masses with real-time synchronous permeability measurement are provided. The device includes a base arranged in a pressure applying device and provided with a chamber for storing a sample; a gas intake part arranged at the bottom of the chamber, where a gas

outlet end of the gas intake part is in contact with a bottom of the sample, a gas inlet end of the gas intake part is located outside the base, and the gas intake part is configured for communicating with a gas source and injecting high-pressure gas into the chamber; a gas exhaust part arranged at a top of the chamber, where a gas inlet end of the gas exhaust part is in contact with a top of the sample, the gas exhaust part is arranged in a piston, the piston is slidably arranged in the chamber, a gas outlet end of the gas exhaust part is located outside the piston, and a top of the piston is mounted on a pressure applying end of the pressure applying device; a grouting part wrapped around a side wall of the sample, where a bottom of the grouting part is fixedly connected to the base, and a liquid outlet end of the grouting part is in communication with the chamber for injecting grout into the chamber; and a displacement sensor configured for detecting a height of the piston exceeding a top of the chamber to obtain a height of the sample.

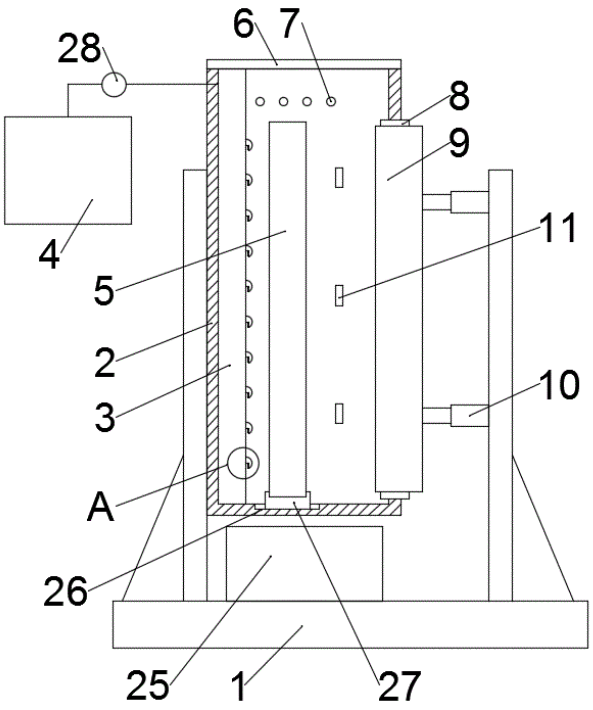


21: 2026/01597. 22: 2026/02/06. 43: 2026/10/09
51: G01N
71: SHAOXING UNIVERSITY, Hua Hui Engineering Design Group Co., Ltd
72: HUANG Rui, GUO Qitao, QIAN Yidong, CHEN Huafeng, ZHANG Xin

54: DEVICE AND METHOD FOR ENERGY UNDERGROUND DIAPHRAGM WALL MODEL TEST

00: -

The invention belongs to the technical field of geotechnical engineering test equipment and provides a device and a method for energy underground diaphragm wall model test. The device comprises: a test box, in which a diaphragm wall is placed, and the test box is filled with soil, the diaphragm wall being embedded within the soil; a heat exchange tube is arranged inside the diaphragm wall; a pressure application assembly is provided on one side of the test box for compacting the soil inside the test box; a first seepage assembly, comprising a water tank arranged inside the test box. The water tank and the pressure application assembly are located on opposite sides of the diaphragm wall; a plurality of water outlets are connected to the side wall of the water tank near the diaphragm wall for seeping water into the soil beside the diaphragm wall; a second seepage assembly, comprising a plurality of sprinkler pipes arranged on the top of the test box, the sprinkler pipes being used to seep water into the soil above the diaphragm wall; a monitoring assembly, comprising a plurality of second temperature sensors and a plurality of pressure sensors; the plurality of second temperature sensors and pressure sensors are uniformly arranged on the side walls of the diaphragm wall. The invention can couple and simulate the influence of soil pressure and seepage conditions at different burial depths on the thermal performance of the energy wall.



21: 2026/01598. 22: 2026/02/06. 43: 2026/10/09
51: G06F
71: Northwest A and F University
72: LUO, Han, JU, Mengchen, ZHAO, Junqi, ZHANG, Yichao, TANG, Kaijin, LIU, Xin, YE, Qiye, LIU, Gang

54: A METHOD FOR MULTI-SOURCE KNOWLEDGE RETRIEVAL FUSION AND CONFIDENCE ASSESSMENT FOR SPECIALIZED DOMAINS

00: -

This invention presents a method for multi-source knowledge retrieval fusion and confidence assessment in specialized domains, within the fields of artificial intelligence and knowledge retrieval technology. The method employs three-level intent classification for query routing and a dual-track parallel retrieval architecture that integrates knowledge graphs with vector knowledge bases. It features intelligent query generation, utilizing both template-based approaches and large language models, to enable efficient retrieval from multi-source, heterogeneous knowledge. The professional reliability of the results is ensured through automatic hard constraint validation and a five-dimensional confidence assessment system. Tests in specialized domains like black soil protection show a knowledge retrieval accuracy of 96.2 percent, a hard constraint validation pass rate over 94 percent, and user satisfaction of 90.8 percent. This approach is particularly suited for intelligent question-answering in vertical domains that require a combination of structured constraints and semantic understanding, offering high-quality intelligent consulting services.

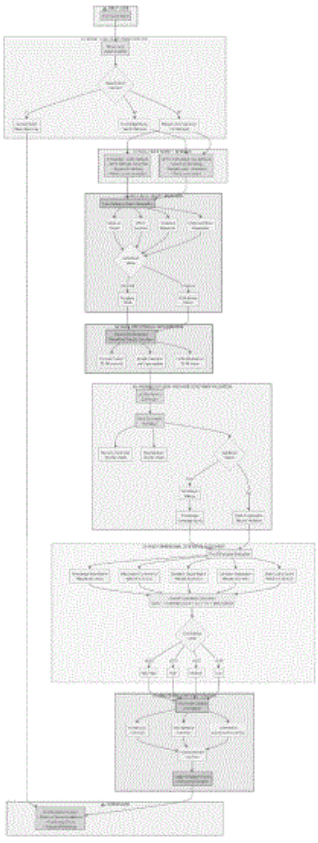


FIG. 1

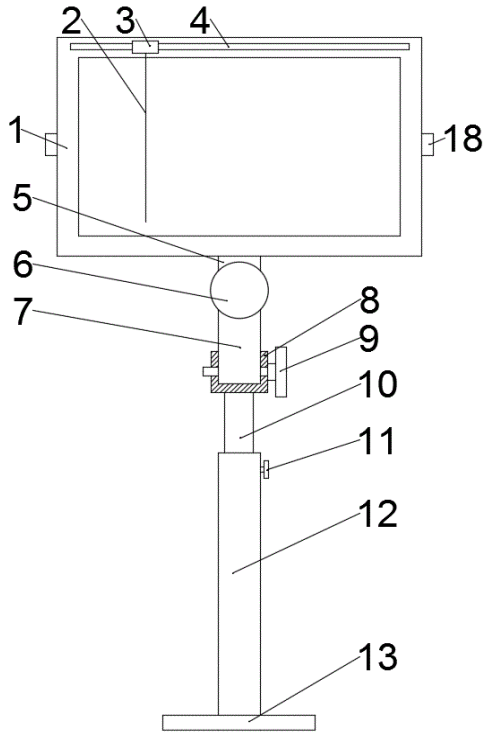
21: 2026/01600. 22: 2026/02/06. 43: 2026/10/09
51: G09B
71: Henan University of Urban Construction
72: ZHAO Mingfei, GU Lijuan, LI Kaige

54: VIEW-FINDING DEVICE FOR ART AND DESIGN TEACHING

00: -

This invention belongs to the technical field of art teaching aids, and provides a view-finding device for art and design teaching. The device comprises a viewfinder frame. One side of the viewfinder frame is provided with a flexible pointer via a moving component. The other side of the viewfinder frame is vertically and fixedly connected with two sets of insertion slots, which are respectively arranged on the two sides of the viewfinder frame. A bottom plate is fixedly connected between the bottoms of the two insertion slots. A transparent plate is detachably

connected between the two insertion slots. The transparent plate is provided with a rule-of-thirds grid, which is located within the viewfinder frame. A support mechanism includes a base. The top of the base is provided with a height adjustment component. The top of the height adjustment component is provided with a forward/backward tilt adjustment rod assembly. The top of the tilt adjustment rod assembly is fixedly connected to the viewfinder frame via a left/right angle deflection rod assembly. This invention allows for multi-angle adjustment of the viewfinder frame while facilitating the explanation of composition principles, achieving the synchronous completion of view-finding observation, composition analysis, and teaching interaction.



21: 2026/01601. 22: 2026/02/06. 43: 2026/10/09
51: B03D
71: Central South University, China Nerin Engineering Co., Ltd.
72: SHEN Louyan, SHEN Li, YANG Bin, JIN Jimei, WU Jianglin, YIN Heng, LAN Tianning
54: BENEFICIATION METHOD FOR COPPER-SULFUR ORE CONTAINING PYRRHOTITE AND PYRITE
00: -
The present invention discloses a beneficiation method for a copper-sulfur ore containing pyrrhotite and pyrite, comprising: adding lime to a run-of-mine copper-sulfur ore containing pyrrhotite and pyrite, adjusting pH to 9, grinding the run-of-mine ore to a particle size smaller than 250 mm, and performing a first rougher flotation on an overflow pulp after classification; performing a second rougher flotation on a first rougher tailing pulp; classifying a second rougher concentrate pulp; regrinding an underflow, and combining a regrinding discharge with the second rougher concentrate pulp for classification; performing a separation rougher flotation on a second rougher concentrate classification overflow pulp; combining a first rougher concentrate pulp with a separation rougher concentrate pulp, and performing a first column cleaner flotation and a second column cleaner flotation; performing a first separation scavenger flotation and a second separation scavenger flotation on a separation rougher tailing pulp. The process flow of the present invention is simple, easy to operate, energy-saving, environmentally friendly, and has good applicability. The beneficiation method processes a copper-sulfur ore containing pyrrhotite and pyrite, with a copper recovery rate of over ninety percent and a copper grade in the copper concentrate of over twenty percent.

21: 2026/01602. 22: 2026/02/06. 43: 2026/10/09
51: H01M
71: ANHUI LEOCH PENEWABLE ENERGY DEVELOPMENT CO., LTD.
72: Chunxiang MA, Lifang SU, Zhenyu ZHUO, Qiancheng YANG, Bingbing ZHANG, Tingyuan LIU, Xianbao CHEN, Jiujun ZHANG, Yu YAN
54: METHOD FOR PREPARING NEGATIVE ELECTRODE SLURRY, NEGATIVE ELECTRODE SLURRY, NEGATIVE ELECTRODE SHEET AND LITHIUM BATTERY
00: -
The present disclosure discloses a method for preparing a negative electrode slurry, a negative electrode slurry, a negative electrode sheet and a lithium battery, belonging to the technical field of lithium batteries. The preparation method includes: dissolving CMC in deionized water to obtain a mixed solution; adding a conductive agent SP and graphite into the mixed solution; and then adding a water-based polyacrylate binder. The key point is that a functional additive is introduced in the process of adding the graphite and/or the binder, and the

functional additive includes at least one of a dispersant, a defoamer and a pH regulator. The weight ratio of each component is graphite: deionized water: SP: CMC: binder=(85~95):(80~90):(0.5~2):(0.5~2.5):(1~3). By introducing a functional additive system and optimizing the process and ratio, the present disclosure effectively solves the problems of uneven dispersion, easy foaming and “blue haze floating” of the slurry, and the prepared negative electrode slurry is uniform and stable with controllable solid content and viscosity. The negative electrode sheet prepared from the slurry has low internal resistance and strong adhesion, and ultimately significantly improves the cycle performance, rate capability and low-temperature performance of the lithium battery.

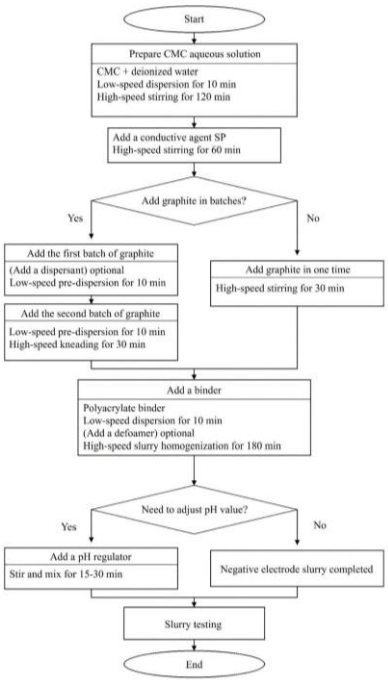
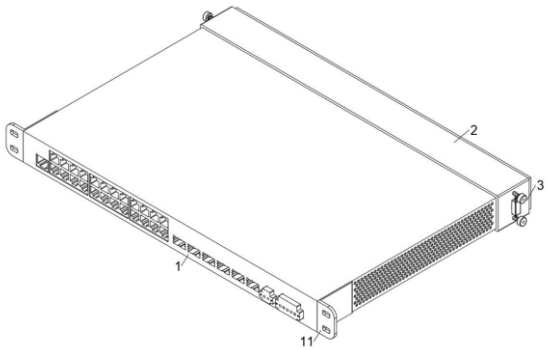


FIG. 1

12

21: 2026/01603. 22: 2026/02/06. 43: 2026/10/09
51: H04Q; H05K
71: Shenzhen Yuhang Communication Technology Co., Ltd.
72: Jie Dong, Wancang Zhang, Weicheng Liu
54: ANTI-VIBRATION INDUSTRIAL SWITCH
00: -

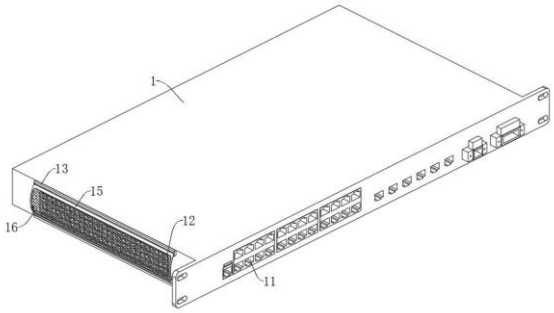
The present invention belongs to the technical field of switches and discloses an anti-vibration industrial switch. The anti-vibration industrial switch includes a switch body, where front lugs are symmetrically and fixedly provided on an outer side of the switch body near an interface end; a connecting sleeve, detachably connected to one side of the switch body away from the interface end thereof; and a plurality of clamping members, where every two of the clamping members form a group and are vertically symmetrically and fixedly provided on an outer side of the connecting sleeve; and each of the clamping members includes a fixing post, the fixing post is fixedly provided on the outer side of the connecting sleeve, and a sliding disc is fixedly provided on an outer side of the fixing post and used for sliding and clamping against a rear lug. The present invention implements both detachable connection and secure fixation between the connecting sleeve and the switch body. The clamping members and the spring elements form a core buffering mechanism, and auxiliary components such as rubber pads and magnetic sheets enhance the stabilizing effect. Ultimately, comprehensive protection for the switch body and an interface part is implemented. Thus, the present invention is adapted to complex industrial vibration scenarios, ensuring stable operation of equipment.



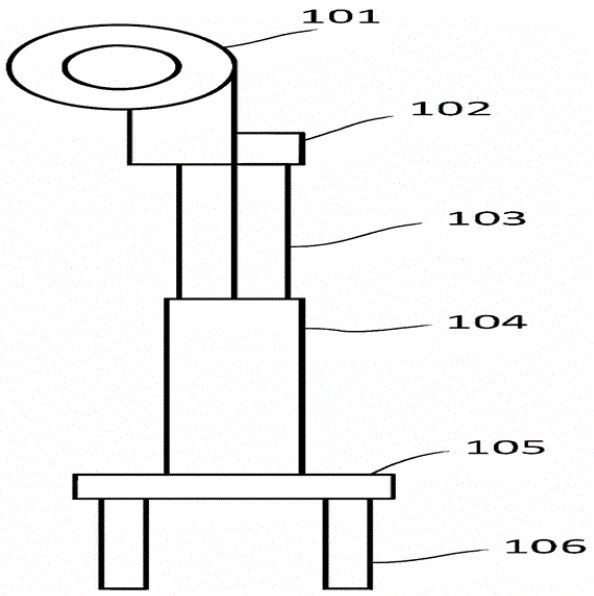
21: 2026/01604. 22: 2026/02/06. 43: 2026/10/09
51: H03K
71: Shenzhen Yuhang Communication Technology Co., Ltd.
72: Jie Dong, Wancang Zhang, Weicheng Liu
54: HEAT-DISSIPATING INDUSTRIAL SWITCH
00: -

The present invention belongs to the technical field of communication equipment, and specifically relates to a heat-dissipating industrial switch. The heat-dissipating industrial switch includes a switch body, where a wiring slot is installed at an end of the

switch body, and a heat dissipation channel is installed on a side wall of the switch body; where two fixing frames are fixedly connected to the side wall of the switch body, connectors are slidably connected to inner walls of the fixing frames, ends of the two connectors are fixedly connected to a mesh frame, a shielding mesh is fixedly connected to an inner wall of the mesh frame, and both the mesh frame and the shielding mesh are configured to be of an arc-shaped structure. The present invention addresses problems of reduced cooling efficiency and failure of internal components due to a fact that an industrial switch is prone to sucking in dust and impurities during heat dissipation. The shielding mesh of the arc-shaped structure not only meets ventilation requirements of the heat dissipation channel but also effectively blocks dust. In addition, an arc design increases the air contact area and improves ventilation efficiency. A detachable structure also facilitates subsequent cleaning or replacement of the shielding mesh.

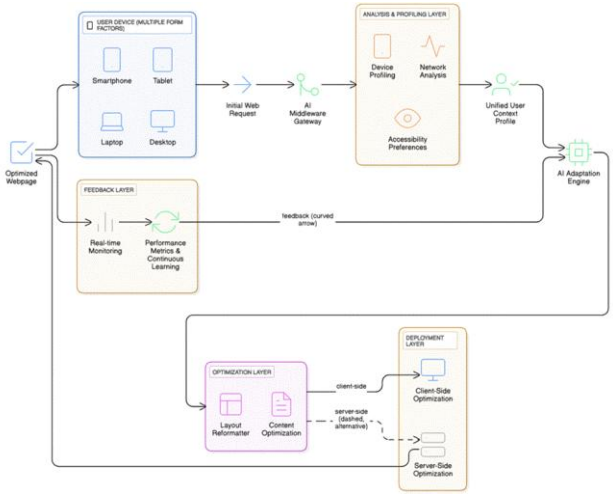


21: 2026/01606. 22: 2026/02/06. 43: 2026/10/09
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: LAXMAN, Nevhal Sayali, SURESH, Narute Shreya, PISE, Ganesh Shivaji, MAHALLE, Parikshit Narendra, RATHOD, Vijay U., LONDHE, Aoudumber Dattatray, SHINDE, Dnyanda Amar, PATIL, Uma, SABLE, Nilesh P., KOKANE, Chandrakant Deelip
54: A DEEP LEARNING-BASED SYSTEM FOR PSORIASIS DETECTION AND SEVERITY ASSESSMENT USING SKIN IMAGES
00: -
The present invention is related to a deep learning-based system for psoriasis detection and severity assessment using skin images. It integrates federated learning for privacy-preserving model training, Explainable AI for generating interpretable heatmaps, and blockchain-based storage for secure, tamper-proof record management. Patients maintain full control through tokenized data ownership and smart contracts, enabling access management and incentivized data sharing. The invention ensures accuracy, privacy, transparency, and auditability, making it suitable for hospitals, telemedicine, and medical research applications.



21: 2026/01607. 22: 2026/02/06. 43: 2026/10/09
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KSHIRSAGAR, Rahul, GARJE, Sushant, SHEKOKAR, Manaswi, GILANKAR, Arnav, YENKIKAR, Anuradha, SAKHARE, Nitin, PANDIT, Pranjal, SABLE, Nilesh
54: AN AI-BASED CROSS-DEVICE WEB LAYOUT REFORMATTING SYSTEM BASED ON ENVIRONMENT AND ACCESSIBILITY FACTORS
00: -
The present invention is related to an AI-based cross-device web layout reformatting system based on environment and accessibility factors. This invention provides an artificial intelligence system that reformats web layouts dynamically and preemptively by a combination of: factoring device specifications; factoring in the known constraints of the network situation; and factoring in accessibility needs, and limitations, of each user in real-time as a user interacts with web delivery processes of their apparatus. By profiling the user's environment while

also able to result in intelligent layout adjustments before, and/or, during rendering, it is able to provide via content delivery the best possible content based on ability of device capacity, for a better time to load, usability for all users, each across all devices, as well as working best on the user's device, with content and web delivery also available on legacy hardware and low bandwidth environments. This will improve accessibility for all users and every use cases, reduce data, reduce content delivery, and provide for seamless interactions across all platforms and all devices, therefore immensely efficient, fundamentally scalable and highly inclusive, in use case scenarios used for the most particular industries.

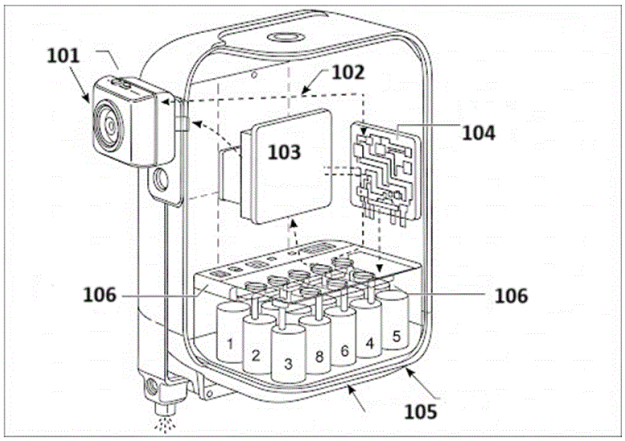


21: 2026/01608. 22: 2026/02/06. 43: 2026/10/09
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: LEMBHE, Vedant Deepak, JOSHI, Soham Rahul, YENKIKAR, Anuradha, PANDIT, Pranjal, SABLE, Nilesh, BUCHADE, Amar

54: AN EMOTION DRIVEN AROMA DISPENSER USING FACIAL EXPRESSION RECOGNITION

00: -

The present invention is related to an emotion driven aroma dispenser using facial expression recognition. The invention describes a clever scent delivery device which identifies the user's facial features via the integrated camera. The emotions recognizing AI algorithm is used for the image processing. The invention receives an emotional signal such as happiness, sadness, stress, or relaxation from the user and then it selects the corresponding fragrance via the multi-cartridge mechanism that is going to be carried out by the microcontroller. The idea is to give the user a good mood and mental health through the personalized aromatherapy of the senses in real time. This solution is definitely a step forward no less than traditional dispensers, as it introduces a more dynamic and user-specific interaction model and also eliminates the waste of needless fragrance.



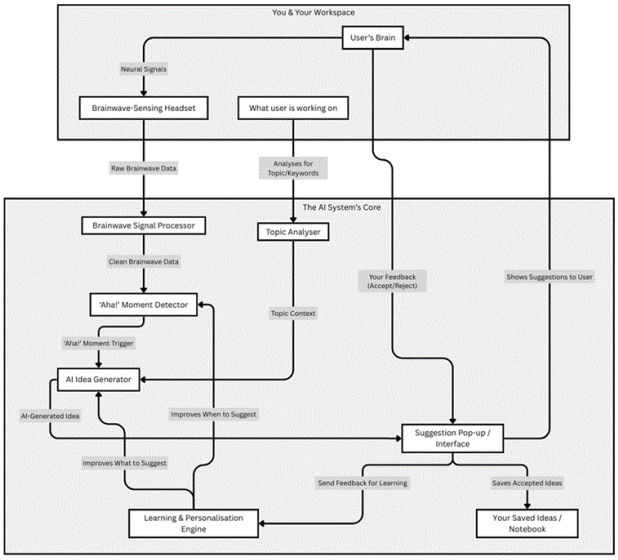
21: 2026/01609. 22: 2026/02/06. 43: 2026/10/09
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SUWARNKAR, Rushiraj Sunil, HARNE, Pranay Vidyadhar, MISHRA, Naman Ajay, GUPTA, Ayush, YENKIKAR, Anuradha, SAKHARE, Nitin, PANDIT, Pranjal, SABLE, Nilesh

54: A BRAINWAVE-SYNCHRONIZED AI SYSTEM FOR CONTEXT-AWARE CREATIVE ASSISTANCE

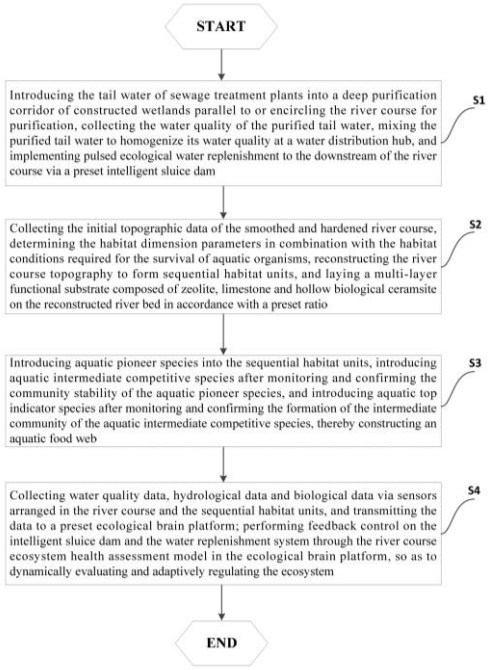
00: -

The present invention is related to a Brainwave-Synchronized AI System for Context-Aware Creative Assistance. The system improves human creativity by syncing AI-generated suggestions with the user's peak cognitive states. It includes a neural interface, like an EEG headset, to capture real-time brainwave signals. A cognitive state detection module analyzes these signals to find signs of increased creativity, such as gamma wave bursts. A contextual inference engine identifies the user's current focus from their digital workspace. Additionally, a symbiotic suggestion engine generates contextually relevant creative ideas. When the system detects a peak creative state, the AI generates a relevant suggestion and shows it to the user. A feedback mechanism helps the system learn and personalize its responses based on user interaction. This creates

a closed-loop learning framework. This new approach turns the AI from a passive tool into an active cognitive partner. It allows for a collaborative effort that significantly improves the novelty and efficiency of the invention process.

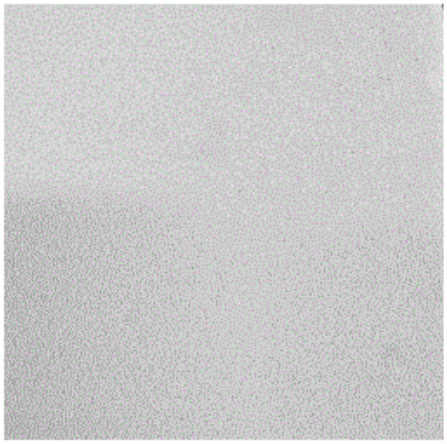


21: 2026/01614. 22: 2026/02/06. 43: 2026/10/12
51: A01G
71: SHENZHEN GUANGHUIYUAN ENVIRONMENT WATER CO., LTD.
72: Yang ZHANG, Juan YIN, Guimin MA, Congcong JIN, Zhengchuan WANG, Xin'ai XU, Weike DENG, Xiaoyun LI, Shuifeng FENG, Yingying YU
33: CN 31: 2025118515034 32: 2025-12-10
54: A METHOD AND SYSTEM FOR RECONSTRUCTING URBAN RIVER COURSE ECOSYSTEM, BASED ON TAIL WATER OF SEWAGE TREATMENT PLANTS
00: -
The present invention relates to the technical field of regulation and management of urban aquatic ecosystems, and in particular, to a method and system for ecological reconstructing urban river course ecosystem, based on tail water of sewage treatment plants. The method comprises the following steps: introducing the tail water of sewage treatment plants into a deep purification corridor of constructed wetlands parallel to or encircling the river course for purification, collecting the water quality of the purified tail water, mixing the water quality of the purified tail water at a water distribution hub, and implementing pulsed ecological water replenishment to the downstream of the river course via a preset intelligent sluice dam; collecting the initial topographic data of the smoothed and hardened river course, determining the habitat dimension parameters in combination with the habitat conditions required for the survival of aquatic organisms, and reconstructing the river course topography to form sequential habitat units. The present invention reconstructs a tail water-based river course ecosystem rich in biodiversity, with self-purification capacity and self-sustainability, so as to improve the operational controllability and long-term stability of urban ecological projects.



21: 2026/01650. 22: 2026/02/09. 43: 2026/10/08
51: C04B
71: Jingdezhen Ceramic University
72: SHI, Jijun, SUN, Guoliang
54: PREPARATION METHOD FOR CLOSED FOAM CERAMICS BASED ON CERAMIC SOLID WASTE
00: -
Disclosed is a preparation method for closed foam ceramics based on ceramic solid waste. A formulation includes, in percentage by weight, the following components: waste green body 50-60 percent, waste glaze 20-30 percent, waste gypsum mold 5-15 percent, and auxiliary materials 5-20 percent. The auxiliary materials include a sintering aid, a foaming agent, a foam stabilizer, and a reinforcing agent in a weight ratio of 20:1: (1-3): (1-

6). The closed foam ceramic is obtained after processes of batching, dry ball milling, sieving, granulation, drying, shaping, and firing. The closed foam ceramic prepared by the method of the present invention exhibits high porosity and low thermal conductivity, providing excellent thermal insulation performance. When applied in construction, it may reduce energy consumption. Moreover, the material also exhibits good sound insulation performance, integrating multiple functions, such as thermal insulation and noise reduction. It is an environmentally friendly building material with broad market prospects.

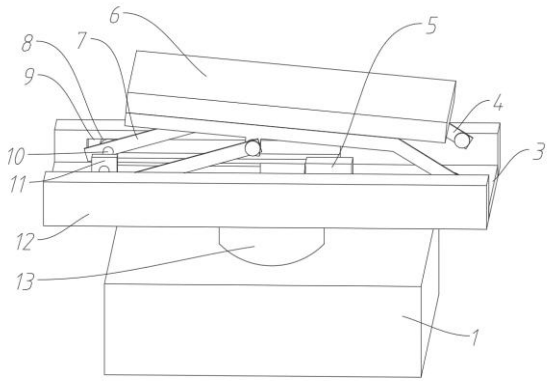


21: 2026/01651. 22: 2026/02/09. 43: 2026/10/08
51: F16M
71: Henan University of Urban Construction
72: GU Lijuan, ZHAO Mingfei, JI Wenjin

54: DIGITAL MEDIA ANIMATION DEMONSTRATION DEVICE

00: -

This invention belongs to the technical field of projectors, and particularly relates to a digital media animation demonstration device, comprising a casing. A rotating assembly is arranged inside the casing. The output end of the rotating assembly penetrates through the top wall of the casing and is connected to a platform. Two support frames are hinged on the platform. An installation plate is fixedly connected between the two support frames. The installation plate is used for installing a projector. A driving assembly and a transmission assembly are further arranged on the platform. The transmission assembly, through the driving assembly, causes the support frames to rotate on the platform to adjust the tilt angle of the support frames on the platform. The present invention achieves 360-degree horizontal rotational adjustment of the projector through the rotating assembly; and through the cooperation of the driving assembly and the transmission assembly, realizes stepless and precise adjustment of the projector's pitch angle, meeting the projection angle requirements in various complex scenarios.

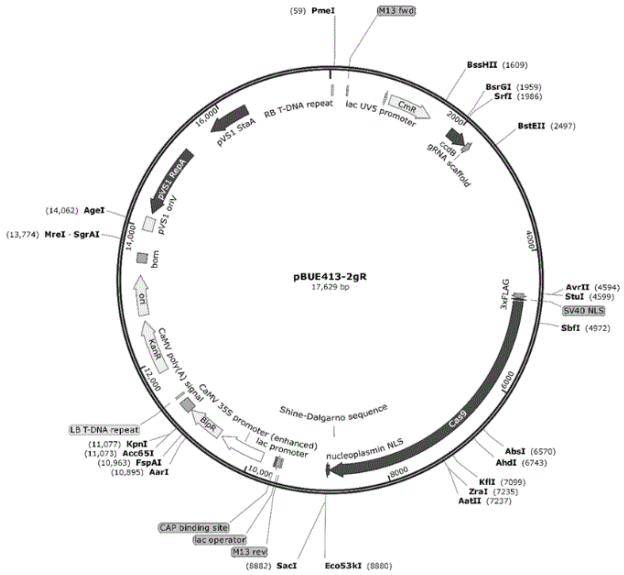


21: 2026/01652. 22: 2026/02/09. 43: 2026/10/08
51: C12N
71: Shandong Agricultural University
72: GAO Xinqi, XU Meichen, SANG Tian, WANG Ziming, LI Haoyang

54: APPLICATION OF WHEAT TAFLP GENE IN INCREASING WHEAT SPIKELET NUMBER

00: -

The present invention discloses the application of wheat TaFLP gene in increasing wheat spikelet number, belonging to the technical field of plant genetic engineering. The study of the present invention found that knocking out the TaFLP gene via CRISPR/Cas9 technology can increase wheat spikelet number and improve wheat unit yield; while yield-related traits such as tiller number, fertile florets per spike, grain length and width, and hundred-grain weight show no significant difference compared to the wild type. Therefore, the wheat TaFLP gene can serve as a new panicle-type gene, increasing the grain number per wheat plant without affecting plant architecture, which is of significant importance for improving wheat harvest index and promoting high and stable yield.

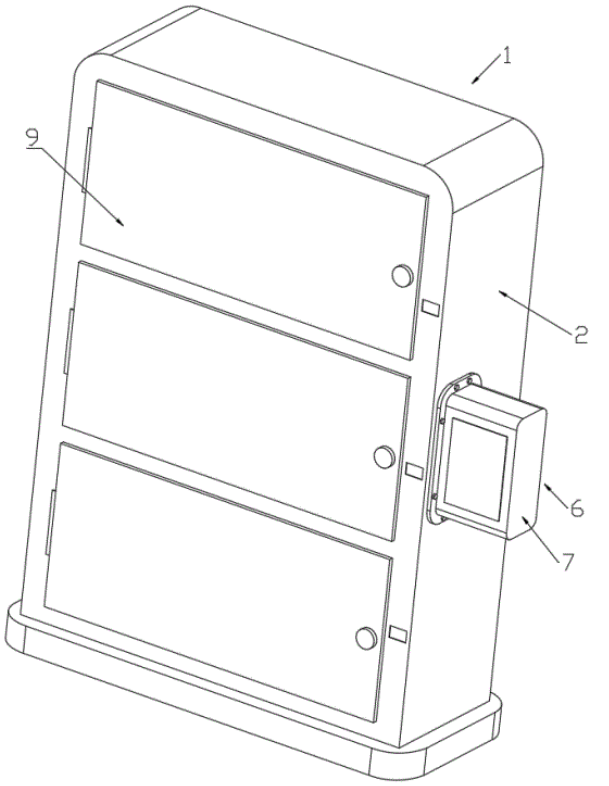


21: 2026/01654. 22: 2026/02/09. 43: 2026/10/08
51: A47B
71: Tongling University, Jiexian Liu
72: Jiexian Liu

54: CARBON ACCOUNTING LEDGER DATA COLLATION AND ARCHIVING DEVICE

00: -

A carbon accounting ledger data collation and archiving device, belonging to the technical field of carbon accounting data management. The apparatus comprises: a storage cabinet, including a cabinet body, and shelves fixedly and equidistantly disposed between two inner sidewalls of the cabinet body, a front sidewall of the storage cabinet is provided with a main label disposed above a side of the shelves, a sidewall of the shelves and a bottom end of the front sidewall of the storage cabinet are each provided with a secondary label; an electronic data organization component, including a data acquisition module, a data processing module, a storage module, a classification and archiving module, an interactive display module, and a housing fixedly disposed on a sidewall of the cabinet body. The invention enables integrated management of paper and electronic ledgers, through the integrated arrangement of the storage cabinet and the electronic data organization component, it can simultaneously achieve standardized storage of paper carbon accounting ledgers and efficient organization and archiving of electronic carbon accounting ledgers; it solves the problem of separate management of paper and electronic ledgers in existing apparatuses, helps improve the efficiency of ledger data management, and facilitates rapid traceability of archived data.



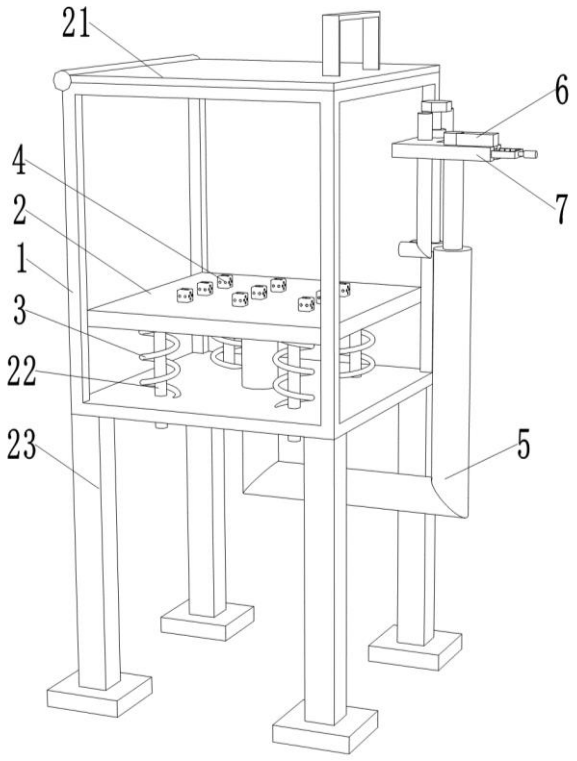
21: 2026/01656. 22: 2026/02/09. 43: 2026/10/08
51: G09B
71: Henan University of Urban Construction
72: ZHOU Yiming, SUN Jianan, LIU Changsheng, CHEN Yao, ZHANG Yao

54: PROBABILITY AND STATISTICS DEVICE FOR APPLIED MATHEMATICS

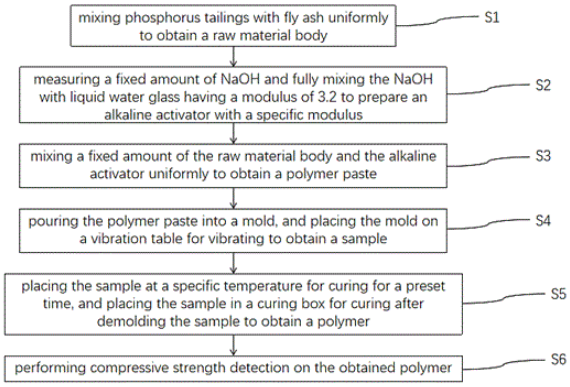
00: -

This invention relates to the technical field of teaching instruments and probability demonstration equipment, and discloses a probability and statistics device for applied mathematics. The device includes a transparent box; a push plate slidably disposed within the transparent box along a first direction, the first direction being the height direction of the transparent box, a plurality of first springs being fixedly connected between the push plate and the bottom surface of the transparent box, the push plate being used for placing dice; a connecting rod, one end fixedly connected to the push plate, the other end extending out of the transparent box and fixedly connected to a first latch plate; a lifting mechanism disposed on the outer side wall of the transparent box, a driving end of the lifting

mechanism connected to a second latch plate, the lifting mechanism being capable of driving the second latch plate to move along the first direction; and an engagement-release mechanism for engaging and fixing as well as releasing and separating the first latch plate and the second latch plate. The invention achieves stepless adjustment of throwing force, ensuring consistency and randomness in experimental operations.

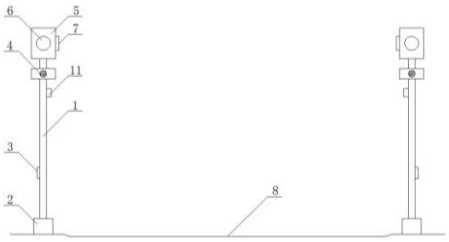


21: 2026/01658. 22: 2026/02/09. 43: 2026/10/08
51: B09B
71: China Nuclear Mining Science and Technology Corporation, Beijing Research Institute of Chemical Engineering and Metallurgy
72: Shouxun ZHANG, Xian XIE, Yuyao WU, Yuhui TIAN, Chen ZHANG, Guang LI, Jia MA
33: CN 31: 202510145141.0 32: 2025-02-10
54: SOLIDIFICATION METHOD FOR SOLID WASTE
00: -
The present application provides a solidification method for solid waste, comprising the following steps: S1, mixing phosphorus tailings with fly ash uniformly to obtain a raw material body; S2, measuring a fixed amount of NaOH and fully mixing the NaOH with liquid water glass having a modulus of 3.2 to prepare an alkaline activator with a specific modulus; S3, mixing a fixed amount of the raw material body and the alkaline activator uniformly to obtain a polymer paste; S4, pouring the polymer paste into a mold, and placing the mold on a vibration table for vibrating to obtain a sample; beneficial effects of the present invention are that phosphorus tailings are used as main raw materials, fly ash is used as a supplement, and a polymer is successfully prepared by using an alkali activation method. After detection, the polymer exhibits excellent characteristics of high compressive strength and high mechanical properties, and the polymer has broad application prospects and development potential in many fields such as subgrade materials and tailings backfill materials. Moreover, during preparation of the polymer, a large amount of phosphorus tailings is consumed.



21: 2026/01661. 22: 2026/02/09. 43: 2026/10/09
51: G01C
71: KUNMING UNIVERSITY
72: Li ZHU
33: CN 31: 2026201587105 32: 2026-02-03
54: AGE-FRIENDLY PEDESTRIAN CROSSING PROJECTION MARKING DEVICE
00: -
The present invention discloses an age-friendly pedestrian crossing projection marking device, comprising a support pole, control box, identification device, loudspeaker, projection device, and warning device. The present invention uses the identification device to identify the identity of elderly people, ensuring that the device is activated only when elderly people need to cross, thereby avoiding resource waste and unnecessary interference. The projection device projects a clear guidance zone and

directional arrows in real time on both sides of the pedestrian crossing, forming an exclusive and continuous visual channel, effectively guiding elderly people to safely cross along the designated area, while also reminding other pedestrians, especially suitable for environments such as dusk and nighttime. The projection clearly delineates the elderly pedestrian guidance zone, guiding elderly people to cross while also prompting other pedestrians to actively avoid the area, ensuring safe and smooth passage for elderly people, reducing pedestrian flow conflicts, and balancing the efficiency of ordinary pedestrians with the special needs of elderly people.

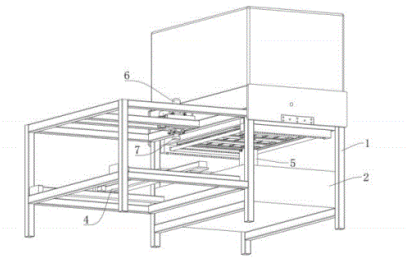


21: 2026/01662. 22: 2026/02/09. 43: 2026/10/09
51: G01C
71: KUNMING UNIVERSITY
72: Li ZHU
54: AGE-FRIENDLY GUIDANCE SYSTEM FOR PUBLIC TRANSPORTATION PLATFORMS
00: -
The invention discloses an age-friendly guidance system for public transportation platforms, belonging to the technical field of age-friendly research, and comprising an intelligent terminal for elderly passengers, an age-friendly guidance terminal, a vehicle coordination module, and a management platform. The invention constructs a closed-loop service system covering passenger identification, demand analysis, dynamic guidance, station-vehicle coordination, and safety monitoring. Through the age-friendly guidance terminal sensing the arrival of passengers at the station, the information of elderly passengers waiting at the station is synchronized in advance to incoming vehicles, and the age-friendly guidance terminal at the station is intelligently regulated, achieving the connection from information notification to physical assistance; when the management platform detects a fall or emergency signal from an elderly person, it can quickly notify station staff to intervene; the invention significantly improves the overall age-friendly service level of the public transport system.

21: 2026/01663. 22: 2026/02/09. 43: 2026/10/09
51: G01C
71: KUNMING UNIVERSITY
72: Li ZHU
54: AN INTELLIGENT GUIDANCE SYSTEM FOR ELDERLY TOURISTS IN SCENIC AREAS
00: -
The present invention discloses an intelligent guidance system for elderly tourists in scenic areas, belonging to the technical field of aging-adaptive research, comprising an information registration and binding terminal, smart wristband, smart guidance station, and central monitoring and dispatch platform. The present invention integrates functions such as elderly tourist identity and health information entry, real-time health monitoring, route planning, voice interaction, anomaly warning, and personnel dispatch, thereby forming a comprehensive intelligent protection system from information collection and route planning to safety response; wherein, under the premise of ensuring safety, the present invention enables elderly tourists to tour independently with greater ease, enhancing their sense of participation and satisfaction in tourism; wherein, under the premise of ensuring safety, the present invention enables elderly tourists to tour independently with greater ease, enhancing their sense of participation and satisfaction in tourism; the present invention alleviates the pressure of manual inspection and improves the overall service capability and safety management level for elderly tourists in scenic areas through automated monitoring, intelligent warning, and personnel dispatch.

21: 2026/01665. 22: 2026/02/09. 43: 2026/10/09
51: G01M
71: China Machinery Huanyu (Shan Dong) Vehicle Certification And Testing Co., Ltd
72: HUANG, Xiaobo, TIAN, Xiaochong
33: CN 31: 202510864581.1 32: 2025-06-26
54: A BATTERY PACK FIRE SIMULATION TEST DEVICE
00: -

The present invention discloses a battery pack fire simulation test device, which relates to the technical field of test devices and includes a test bench. It also includes: positioning components, installed inside the test bench, used to fix the battery pack to be tested; Mechanism simulation component, used to simulate the situation of external impact on the battery pack; Load components for simulating the mechanism The component stores potential energy. The water pool, filled with water inside, is used to extinguish the burning battery packs after the test is completed. Release the component. The present invention achieves the newly added bottom impact test requirement in the new national standard by setting up a mechanism simulation component to impact the battery pack. However, the specific implementation of the test is not conducive to direct drive by the hydraulic system.



21: 2026/01666. 22: 2026/02/09. 43: 2026/10/09
51: A61K
71: MU Keyuan
72: MU Keyuan, FU Peng, WU Xuefeng, TU Wenxu, LIANG Ping, LIANG Dehai

54: SHEBAIJIEPU MODIFIED PILL FOR TREATING INFERTILITY CAUSED BY OVARIAN DYSFUNCTION

00: -

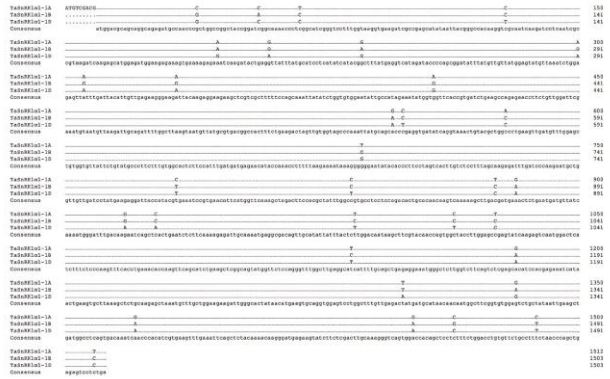
The invention discloses a Shebaijiepu Modified Pill for treating infertility caused by ovarian dysfunction, belonging to the field of biomedicine technology. The invention provides a pharmaceutical composition, including the following components in parts by weight: 8-18 parts of Belamcanda chinensis, 30-50 parts of Lilii bulbus, 7-20 parts of Sarcandra glabra (Thunb.) Nakai, 8-20 parts of grape seeds, 1-4 parts of animal embryonic tissue, and 6-10 parts of Glycyrrhizae radix et rhizoma. The pharmaceutical composition is the active ingredient of the Shebaijiepu Modified Pill, exerting the effects of clearing heat and detoxifying, resolving masses and activating collaterals, nourishing yin and tonifying kidney essence and blood, regulating Chong and Ren meridians, and nourishing the uterus. It can significantly improve the levels of multiple indicators such as estradiol (E2), progesterone (P), follicle-stimulating hormone (FSH), and luteinizing hormone (LH) in patients with perimenopause, diminished ovarian reserve (DOR), and premature ovarian insufficiency (POI); meanwhile, it inhibits the increase in the concentrations of ten items of eugenics antibodies and four items of pneumonia antibodies, providing a practical new drug for the efficient prevention and treatment of infertility caused by ovarian dysfunction.

21: 2026/01667. 22: 2026/02/09. 43: 2026/10/09
51: C12N
71: Shandong Agricultural University
72: HAN Xiao, GAO Xinqi, WANG Di, XU Meichen, GAO Kangyue

54: APPLICATION OF WHEAT TASNRKALPHA1 GENE IN REGULATING WHEAT POLLEN FERTILITY

00: -

The present invention discloses an application of the wheat TaSnRK1alpha1 gene in regulating wheat pollen fertility, belonging to the technical fields of plant molecular breeding and genetic engineering. The present invention knocks out the wheat TaSnRK1alpha1 gene through CRISPR/Cas9 technology, creating a novel male sterile mutant with defective pollen coat lipid accumulation and fertility regulated by environmental humidity. The mutant exhibits sterility due to rapid pollen dehydration under low humidity conditions, and partial recovery of fertility under high humidity conditions. The present invention reveals the key role of the TaSnRK1alpha1 gene in regulating wheat pollen fertility and humidity response, provides important gene resources and material basis for establishing an environment-sensitive male sterile system and efficient hybrid wheat breeding, and has significant application value.

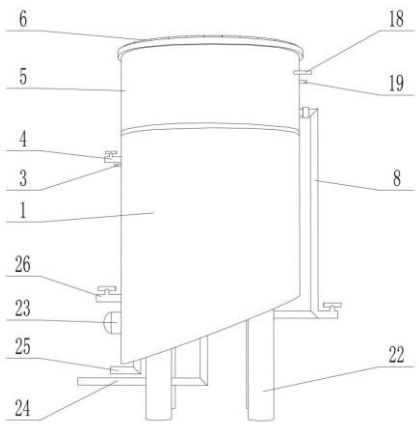


21: 2026/01668. 22: 2026/02/09. 43: 2026/10/06
51: C05F
71: Xinjiang Xiyuan Samet Wine Co. LTD, Xinjiang Agricultural Vocational and Technical University
72: SHI Pengchuan, AN Mengting, HAN Xiaopeng, WU Jinrong, YANG Jiaming, Bulbul•SAWUT, LI Kunliang, ZHAO Yinglian, WANG Xia, LIAO Ling, MA Wenpeng, DANG Jianlei, CHE Yuhong, TAO Jinhua, YAN Suping
33: CN 31: 202511165670.3 32: 2025-08-20

54: AUTOMATED BIODYNAMIC FERMENTATION TANK

00: -

The invention discloses an automated biodynamic fermentation tank, belonging to the technical field of food processing. It includes a tank body with multiple liquid leakage ports on its top surface, the multiple liquid leakage ports 2 are controlled to open and close by a driving mechanism; a pressure probe fixed on the top of the tank body; an exhaust pipe connected to the side of the tank top, with an exhaust valve fixed inside; an open chamber the open chamber 5 is fixed on top of the tank body, using the tank top surface as its bottom, with a movable cover on top and a liquid level probe fixed inside; a liquid inlet pipe, with one end connected to the bottom of the tank cavity and the other end connected to the open chamber, equipped with an electric valve; and a controller for receiving detection information from the pressure probe and liquid level probe, and controlling the exhaust valve, electric valve, or driving mechanism based on the measured information. The invention reduces manual intervention through intelligent control, lowers labor costs, and significantly improves fermentation efficiency and product quality.



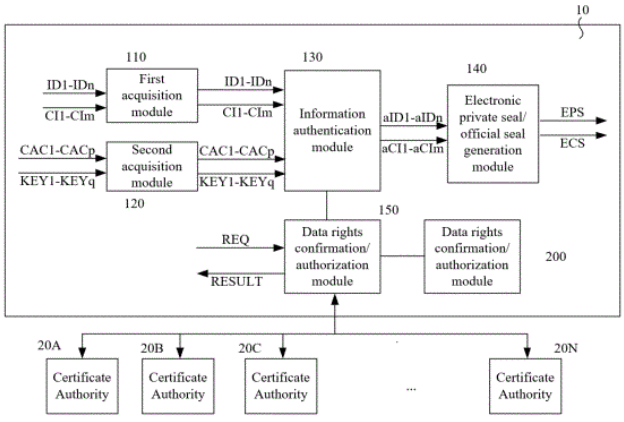
21: 2026/01669. 22: 2026/02/09. 43: 2026/10/09
51: A61K
71: Jiangsu Second Normal University
72: ZAI Yu, ZHU Xueshen, QIN Cheng, LIU Shaohua

54: PROCESS FOR EXTRACTING TOTAL FLAVONOIDS FROM THE TUBEROUS ROOTS OF ARGENTINA ANSERINA (L.)

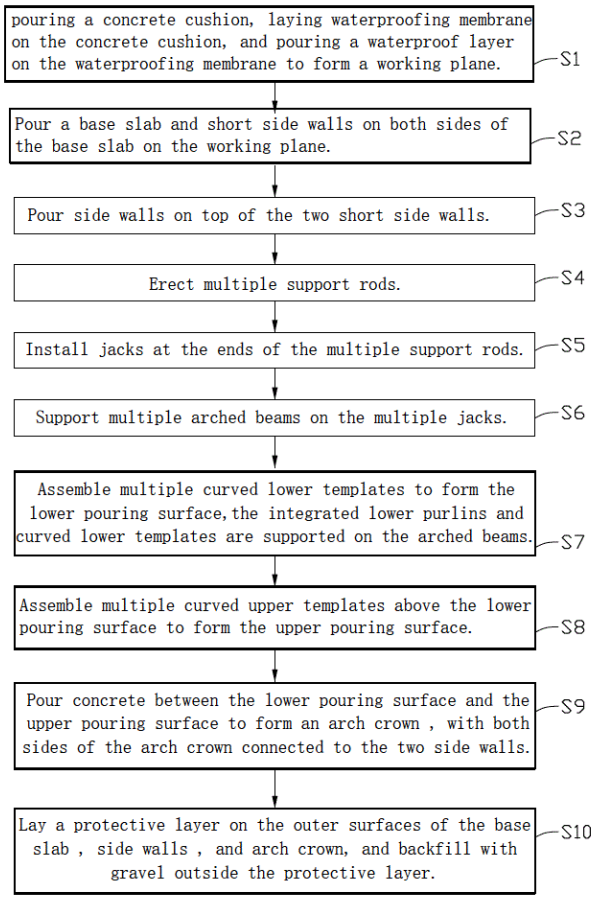
00: -

The present invention relates to a process for extracting total flavonoids from the tuberous roots of Argentina anserina (L.), belonging to the field of extraction of active ingredients from natural plants. The preparation process includes the steps of a) pulverizing; b) microwave-assisted extracting; c) macroporous resin adsorbing; d) silica gel column chromatographing; and e) vacuum drying under reduced pressure. The process specifically includes the following steps: pulverizing the tuberous roots of Argentina anserina (L.), adding ethanol aqueous solution for microwave extraction, filtering and taking the supernatant to obtain flavonoid mother liquor; adding the flavonoid mother liquor into an adsorption resin chromatography column, performing oscillation adsorption at room temperature; after adsorption is completed, first eluting with distilled water, then eluting with an eluent, and collecting the eluent; performing gradient elution on the eluent by using a silica gel column to obtain a high-purity total flavonoid solution; subjecting the high-purity total flavonoid solution to vacuum drying under reduced pressure to obtain total flavonoid powder from the tuberous roots of Argentina anserina (L.). The antioxidant activity of the total flavonoids (0.1 mg/mL) prepared by this process reaches 65.76% of that of 0.1 mg/mL Vc.

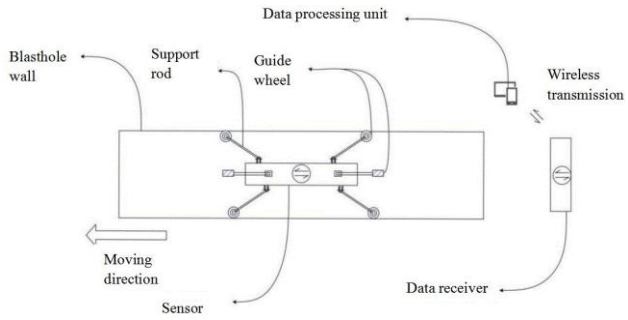
21: 2026/01675. 22: 2026/02/09. 43: 2026/10/09
51: H04L
71: Jinqian HU
72: Jinqian HU, Ai GUO, Xinyi CAI
33: CN 31: 202311001580.1 32: 2023-08-09
54: ROOT OF TRUST SYSTEM FOR GLOBAL DATA RIGHT CONFIRMATION AND AUTHORIZATION AND METHOD FOR GLOBAL DATA RIGHT CONFIRMATION AND AUTHORIZATION
00: -
The invention discloses a global data rights confirmation/authorization root trust system, including: a first acquisition module acquiring multiple identity information items and multiple enterprise information items of a user; a second acquisition module acquiring multiple CA certificates and corresponding multiple keys provided by multiple certificate authorities; an information authentication module performing physical or digital authentication based on the CA certificates and generating multiple authenticated identity information items and authenticated enterprise information items; an electronic private/official seal generation module generating an electronic private seal and an electronic official seal for the user; and a data rights confirmation/authorization module linking the certificate authorities when the user proposes a data rights confirmation/authorization request for a credit activity, performing multi-key verification based on the CA certificates and the corresponding keys, and outputting a data rights confirmation/authorization result corresponding to the credit activity.



21: 2026/01679. 22: 2026/02/09. 43: 2026/10/06
51: E21D
71: ERCHU CO., LTD. OF CHINA RAILWAY TUNNEL GROUP
72: HU, Yang, CHEN, Xin, SUN, Liangliang, HOU, Zhanjing, LUO, Xuan, ZHAO, Dong, HUANG, Xiaolong, YUAN, Fugui, LIU, Yusong, SHEN, Haiqi, WANG, Pengfei, ZHOU, Yang
33: CN 31: 202310954255.0 32: 2023-07-31
54: ARCHED TUNNEL STRUCTURE AND ARCHED TUNNEL CONSTRUCTION METHOD
00: -
An arched tunnel structure, comprising supporting rods (10), props (20), arched beams (30), lower ridges (40), and arc-shaped lower formworks (50). The props (20) are supported by the supporting rods (10). A plurality of arched beams (30) are arranged at intervals in a longitudinal direction of the tunnel, and each arched beam (30) is supported by a plurality of props (20). Each lower ridge (40) extends in the longitudinal direction of the tunnel, a plurality of lower ridges (40) are arranged at intervals along a lengthwise trajectory of each arched beam (30), and each lower ridge (40) is at least supported by two adjacent arched beams (30). The arc-shaped lower formworks (50) are supported by the lower ridges (40) and are assembled to form an arched lower pouring surface. The lower pouring surface is located on the side of the arc-shaped lower formworks (50) facing away from the lower ridges (40). During pouring, the force on the lower pouring surface is distributed along lengthwise trajectory lines of the plurality of lower ridges (40), then distributed along lengthwise trajectory lines of the plurality of arched beams (30), and then distributed to each prop (20). The lengthwise trajectory lines of the lower ridges (40) are perpendicular to the lengthwise trajectory lines of the arched beams (30), so that the arch shape of the lower pouring surface is maintained during pouring. The arched tunnel structure and the arched tunnel construction method ensure that the surface of the tunnel crown after pouring is smooth, and the arch shape is aesthetically pleasing.

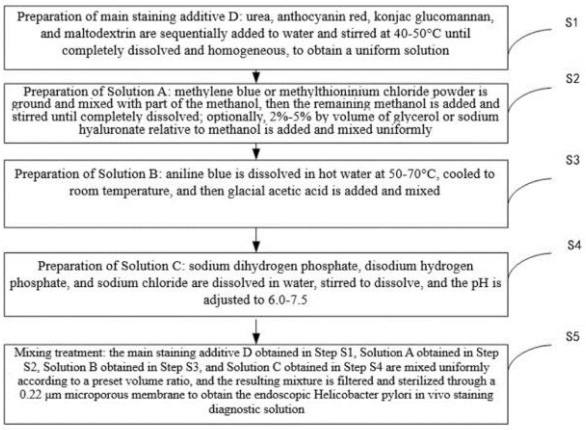


21: 2026/01685. 22: 2026/02/09. 43: 2026/10/09
51: G01B; G01C; H04W
71: GUANGXI HUAXI NONFERROUS METALS CO., LTD, Guangxi Fozi Mining Co., Ltd, LIUZHOU HUAXI NONFERROUS DESIGN AND RESEARCH INSTITUTE CO., LTD, Central South University
72: WU Lewen, CHEN Zhiqing, LIU Wei, DENG Jianming, QIN Yonghua, LI Luxin, YANG Chun
33: CN 31: 202510071026.3 32: 2025-01-16
54: NEW INTELLIGENT HOLE INSPECTION DEVICE AND METHOD FOR MEDIUM-LENGTH HOLE BLASTING
00: -
A new intelligent hole inspection device for medium-length hole blasting. The device comprises: a driving device, a measuring device and a connecting device, wherein the driving device comprises an electric motor, guide wheels and a carrier, every four guide wheels are formed into a group, and a total of two groups of guide wheels are respectively arranged at the front and rear ends of the carrier; the measuring device comprises a data measurement unit, a data receiver and a data processing unit which are connected in sequence; and the connecting device comprises support rods and telescopic units, eight support rods are provided in total, and are respectively used to connected the eight guide wheels to the carrier, and the telescopic units are arranged at the joints of the support rods and the carrier, and can retract and extend on the basis of the size of a blasthole, such that the guide wheels are tightly pressed against a blasthole wall. The carrier is driven by the guide wheels to continuously move forward in the blasthole, and the data measurement unit records angle data of the blasthole and spatial moving trajectory data of the carrier and the eight guide wheels in real time, and wirelessly transmits the angle data and the spatial moving trajectory data to the data receiver and the data processing unit for further processing. Further provided is a new intelligent hole inspection method for medium-length hole blasting, which is used for calculating parameters of a blasthole.



21: 2026/01711. 22: 2026/02/10. 43: 2026/10/09
51: A61K
71: CANCER HOSPITAL CHINESE ACADEMY OF MEDICAL SCIENCES
72: Rui LIANG, Shun HE, Yicheng WANG, Yao LU, Pingping LIU
33: CN 31: 2026101369088 32: 2026-01-30
54: ENDOSCOPIC HELICOBACTER PYLORI VITAL STAINING DIAGNOSTIC SOLUTION, PREPARATION METHOD AND USE
00: -
The present invention provides an endoscopic Helicobacter pylori vital staining diagnostic solution, as well as its preparation method and application, wherein the diagnostic solution comprises: urea at a concentration of 10%-20% (w/v); anthocyanin red at a concentration of 3%-8% (w/v); konjac glucomannan at a concentration of 0.1%-0.5% (w/v); and maltodextrin at a concentration of 2%-10% (w/v). The diagnostic solution achieves rapid,

uniform, high-contrast, and long-lasting specific staining in active Hp regions (the active regions of Helicobacter pylori infection show a specific purple coloration), thereby providing endoscopists with clear and stable visual diagnostic evidence and extending the effective time window for observation and operation.

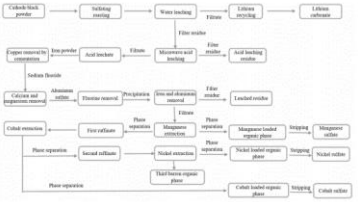


21: 2026/01712. 22: 2026/02/10. 43: 2026/10/06
51: H01M
71: Zhengzhou University
72: WANG, Xinchang, JI, Mengfan, CUI, Caixia, JIA, Qianlin
33: CN 31: 202511820899.6 32: 2025-12-04

54: METHOD FOR RECYCLING VALUABLE METALS FROM CATHODE MATERIALS OF WASTE LITHIUM BATTERIES

00: -

The present invention belongs to the technical field of recycling and regeneration of waste batteries, and particularly relates to a method for recycling valuable metals from cathode materials of waste lithium batteries. The method includes: first, conducting sulfating roasting to a waste cathode powder; then extracting lithium selectively by water leaching, and obtaining lithium carbonate by lithium precipitation; and next, conducting microwave acid leaching, impurity removal by precipitation, and stepwise extraction to achieve separation and purification of nickel, cobalt and manganese and obtain extraction solutions of nickel, cobalt and manganese, and conducting stripping to the extraction solutions to obtain battery-grade cobalt sulfate, nickel sulfate and manganese sulfate. The method is to extract lithium first, which reduces the influence of lithium element on subsequent extraction of nickel, cobalt and manganese. At the same time, the water leaching method increases the lithium recycling rate and lowers the recycling costs.

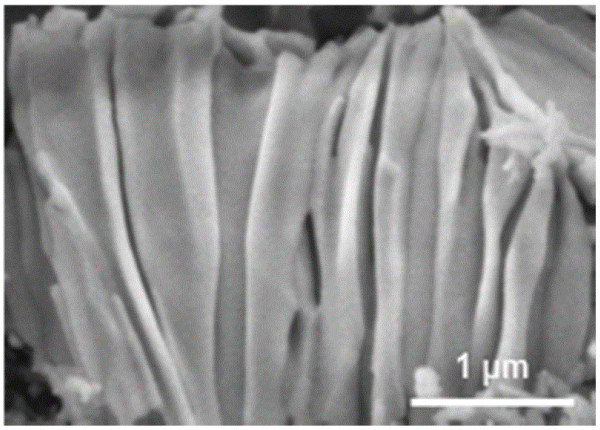


21: 2026/01713. 22: 2026/02/10. 43: 2026/10/09
51: H01M
71: ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: WANG Fan, LIU Wei, CHEN Jirui, WANG Yuxin, WANG Bin, GONG Xingyu, ZHANG Hai, YANG Zhenyu
33: CN 31: 2026101302904 32: 2026-01-29

54: METHOD FOR PREPARING SILICON NANOSHEETS BY ELECTROCHEMISTRY BASED ON GRADIENTLY INCREASED TEMPERATURE AND CURRENT

00: -

The disclosure provides a method for preparing silicon nanosheets by microplasma electrochemistry based on gradiently increased temperature and current and belongs to the technical field of nano-material preparation, which specifically includes: pre-electrolyzing molten chloride electrolyte for deep oxygen removal; placing solid silicate as a silicon source in the molten chloride electrolyte, and suspending a microplasma cathode above the solid silicate; and initiating microplasma to start electrolytic reaction under protection of inert atmosphere, in which solid-state reduction reaction is realized to directly prepare the silicon nanosheets by applying a dynamically increasing temperature gradient or current gradient during an electrolytic process. This method needs no template and has high product purity, a controllable thickness of silicon nanosheets, good crystallinity, and simple process equipment, thus providing high-quality silicon nano-materials for the fields of negative electrodes of high-performance lithium-ion batteries, photodetectors and the like.

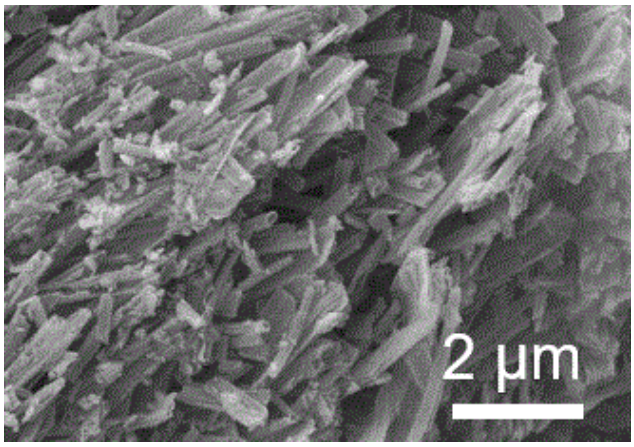


21: 2026/01715. 22: 2026/02/10. 43: 2026/10/09
51: H01M
71: ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: WANG Fan, LIU Wei, CHEN Jirui, WANG Yuxin, WANG Bin, GONG Xingyu, ZHANG Hai, YANG Zhenyu
33: CN 31: 2026101256605 32: 2026-01-29

54: METHOD FOR PREPARING SILICON NANOTUBE BY MICROPLASMA-ASSISTED MOLTEN-SALT ELECTROCHEMISTRY

00: -

The disclosure provides a method for preparing silicon nanotubes by microplasma-assisted molten-salt electrochemistry and belongs to the technical field of nano-material preparation, which specifically includes: heating and melting a mixture of anhydrous chloride salt and pre-electrolyzing to deeply remove oxygen impurities; placing solid silicate in molten chloride electrolyte, suspending a microplasma emission electrode above a surface of the solid silicate, and introducing inert gas to excite a cathode; performing electrolysis under a constant current to reduce the solid silicate using high-energy electrons and active particles generated by microplasma so as to form the silicon nanotubes. This method combines the microplasma cathode and solid molten salt electrochemical reduction technology, and realizes direct preparation of silicon nanotubes with high purity, good crystallinity and uniform diameter from solid-state sources without catalysts in a low-oxygen environment, which provides a new material solution for applications such as negative electrodes of lithium-ion batteries.

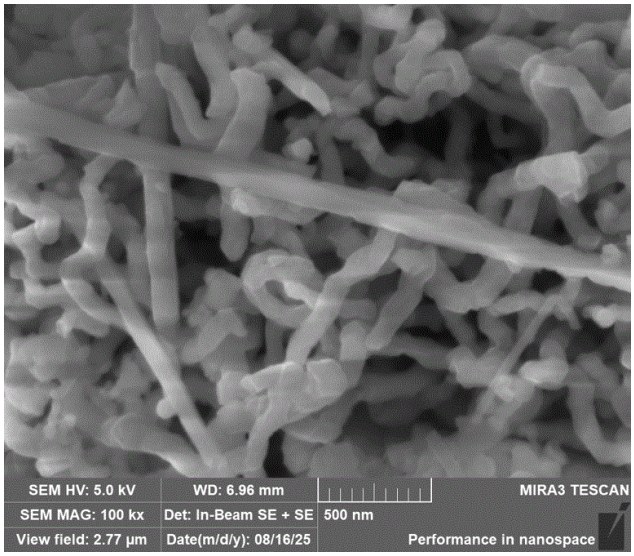


21: 2026/01716. 22: 2026/02/10. 43: 2026/10/09
51: H01M
71: ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: WANG Fan, LIU Wei, CHEN Jirui, WANG Yuxin, WANG Bin, GONG Xingyu, ZHANG Hai, YANG Zhenyu
33: CN 31: 2026101292029 32: 2026-01-29

54: METHOD FOR PREPARING SILICON NANOWIRE FOR NEGATIVE ELECTRODE OF LITHIUM BATTERY

00: -

The disclosure provides a method for preparing silicon nanowires for a negative electrode of a lithium battery, which includes: step S1, immersing a graphite anode in an electrolyte, and placing a metal capillary above a liquid level of the electrolyte, in which the electrolyte includes molten chloride salt containing a silicon source; step S2, introducing operation inert gas, and applying a direct-current voltage to the metal capillary to excite and generate stable microplasma as a microplasma gas cathode; and step S3: applying a current to carry out electrolytic reaction under protection of inert atmosphere, so that the silicon source is reduced to silicon nanowires at an interface between the microplasma gas cathode and the electrolyte.

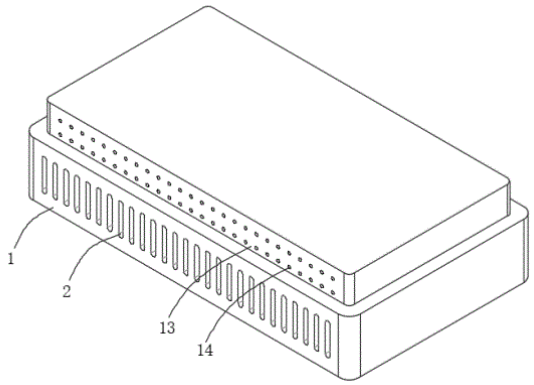


21: 2026/01717. 22: 2026/02/10. 43: 2026/10/09
51: F16H
71: Suzhou baolijie Intelligent Electrical Appliance Co., Ltd
72: WANG ZHIHAO
33: CN 31: 2025114319203 32: 2025-10-09

54: HIGH-SPEED PRECISION GEAR TRANSMISSION DEVICE FOR HOUSEHOLD STEAM CLEANING APPLIANCES

00: -

Disclosed in the present invention is a high-speed precision gear transmission device for household steam cleaning appliances, including a housing. Heat dissipation slots are evenly spaced and opened at two ends of the housing; a circular groove is disposed at an internal bottom of the housing; a circular rod is rotatably installed inside the circular groove; a driving gear is fixedly mounted at a top of the circular rod; a rotating gear located on a right side of the driving gear is rotatably installed at the internal bottom of the housing, and an outer surface of the rotating gear meshes with an outer surface of the driving gear; a transmission rod is rotatably installed at a bottom of the housing, and a top of the transmission rod penetrates through the housing and is fixedly connected to a bottom of the rotating gear; and a driven pulley is rotatably mounted at the top of the housing. According to the high-speed precision gear transmission device for household steam cleaning appliances, an operator starts the rotating motor, and the operation of the rotating motor causes an active pulley to rotate, and the active pulley drives the transmission belt to rotate.



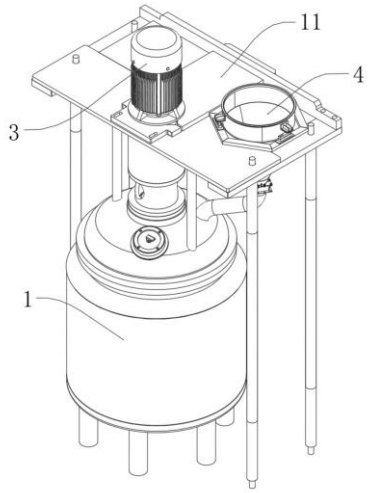
21: 2026/01718. 22: 2026/02/10. 43: 2026/10/09
51: B01F
71: XINJIANG NABA EXPRESSWAY DEVELOPMENT CO., LTD., CHANG'AN UNIVERSITY
72: Jie LI, Wei JIANG, Ainiwaer FUERHAITI, Nianwen YAO, Jianjiang SHI, Hongkang LI, Teng WANG, Yuan LI, Yanzhong DONG, Dongdong YUAN, Liangxuan LI, Wangjie WU, Lulu HOU, Jinhuan SHAN
33: CN 31: 2025119836047 32: 2025-12-26

54: SWELLING TANK FOR THE PRODUCTION OF ANTI-AGING SBS MODIFIED ASPHALT

00: -

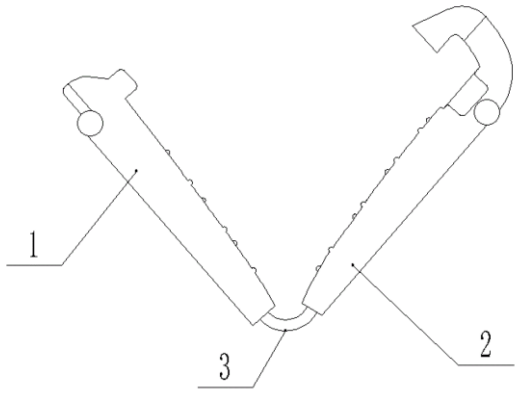
This application provides a swelling tank for producing anti-aging SBS modified asphalt, relating to the field of asphalt production tanks, comprising: a tank body, a frame is provided around the periphery of the tank body; a layered stirring mechanism, the layered stirring mechanism is arranged at the middle part of the tank body; a drive mechanism, arranged at the top of the frame and in transmission cooperation with the layered stirring mechanism; a quantitative dosing assembly with a metering module is provided at the top of the tank body; an intelligent pressure relief system is installed on the side wall of the tank body, and the intelligent pressure relief system is used to regulate the internal pressure of the tank body. In this application, the synergistic effect of the rolling stirring blades and the cutting stirring blades achieves a three-dimensional mixing of "macroscopic circulation + microscopic shearing," resulting in a 15%-25% improvement in the dispersion uniformity of the anti-aging agent compared to traditional stirring mechanisms; the metering module ensures precise dosing of the anti-aging agent, preventing deterioration of modified asphalt performance due to

insufficient or excessive dosing; the electric push rod controls the opening and closing of the valve plate, avoiding the dust issues associated with traditional manual valves.



21: 2026/01719. 22: 2026/02/10. 43: 2026/10/06
51: A61B
71: The First Affiliated Hospital of Chongqing Medical University
72: Tao Yang
54: LIGATION CLIP
00: -

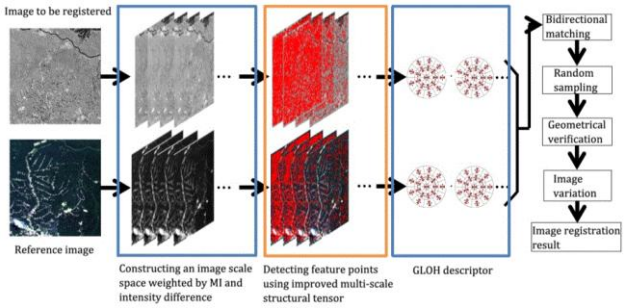
The present invention discloses a ligation clip, belonging to the technical field of medical devices. The ligation clip comprises a first clamping arm and a second clamping arm made of a non-absorbable material, wherein free ends of the first clamping arm and the second clamping arm are a hook portion and a head portion, respectively. Proximal ends of the first clamping arm and the second clamping arm are connected by a V-shaped elastic metal member located at a rear end thereof. Opposite ends of the elastic metal member are embedded and fixed within the first clamping arm and the second clamping arm, respectively. A middle portion of the V-shaped elastic metal member is formed as an arc-shaped corner, such that stress is dispersed through the arc-shaped corner when the first clamping arm and the second clamping arm are in a closed state.The elastic metal member is made of titanium, and has an initial opening angle ranging from 35 degrees to 85 degrees, and a radius of curvature of the arc-shaped corner ranging from 3 mm to 5 mm. Opposite ends of the elastic metal member are provided with concave-and-convex engaging portions to achieve firm fixation. Inner sides of the first clamping arm and the second clamping arm are provided with staggered anti-slip teeth to enhance clamping force.By introducing the elastic metal member, stress damage at a connection portion is effectively avoided, thereby improving durability and surgical safety of the ligation clip. The ligation clip is suitable for both single-firing and multi-firing instruments.



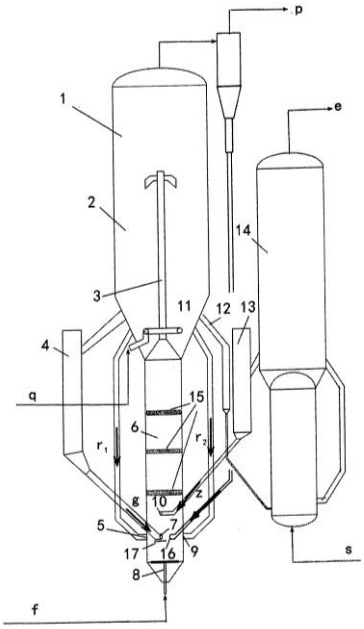
21: 2026/01724. 22: 2026/02/10. 43: 2026/10/09
51: G06T
71: Jinggangshan University
72: XIAO, Genfu, LI, Yuehui, LIU, Huan, OUYANG, Chunjuan, CHEN, Cheng, LAN, Xingxing
33: CN 31: 202610084277X 32: 2026-01-22
54: METHOD AND SYSTEM FOR MULTIMODAL REMOTE SENSING IMAGE REGISTRATION INTEGRATING MUTUAL INFORMATION AND INTENSITY DIFFERENCE
00: -

The present invention relates to the technical field of image registration and provides a method and system for multimodal remote sensing image registration that integrates mutual information and intensity difference, comprising: acquiring the multimodal remote sensing image to be registered and constructing an image scale space based on mutual information fusion and intensity difference weighting; in the image scale space, using intensity difference combined with multi-scale structural tensor response as an improved consistency measure for feature point detection and localization; for each feature point, calculating a gradient position orientation histogram in its neighborhood to generate a feature descriptor; based on the feature descriptor, performing bidirectional matching on the multimodal

remote sensing image to be registered to obtain an initial matching pair; for the initial matching pair, outlier removal and combining geometric constraints to estimate the spatial transformation model between images to complete image registration. The method provided by the present invention outperforms many existing mainstream methods in terms of the number of feature points extracted, correct matching rate, and registration accuracy.

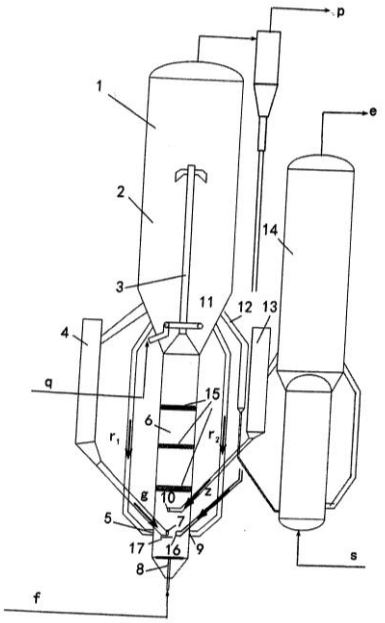


21: 2026/01725. 22: 2026/02/10. 43: 2026/10/12
51: B01J
71: CHINA PETROLEUM & CHEMICAL CORPORATION, SINOPEC (SHANGHAI) RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY CO., LTD.
72: YU, Zhinan, QI, Guozhen, ZHENG, Yijun, GAO, Pan, LI, Xiaohong
33: CN 31: 202311278071.3 32: 2023-09-28
54: SPOILER MEMBER, FLUIDIZED BED REACTOR PROVIDED WITH SPOILER MEMBER, AND USE THEREOF
00: -
A spoiler member (15), a fluidized bed reactor provided with the spoiler member (15), a use thereof, and a method for producing an olefin by methanol conversion. The spoiler member (15) comprises a flow guide part and a mixing part which are coaxially arranged in the radial direction. The flow guide part comprises a flow guide plate (20). At least three gas passing holes basically uniformly distributed are formed in the flow guide plate (20). The total void fraction of the openings of the flow guide plate (20) is 0.2% -6%. The mixing part surrounds the flow guide part and comprises at least two spoiler rings which are concentrically arranged. At least six spoiler bodies (21) which are uniformly distributed are arranged on each spoiler ring. No holes are formed in the surface of each spoiler body (21). The total void fraction of the mixing part is 30% -95% because of the existence of the spoiler bodies (21). The total void area of the mixing part is 30-500 times of the total void area of the flow guide plate. Also provided is a fluidized bed reactor comprising a reaction chamber, and the reaction chamber is provided with two or more spoiler members (15) arranged in the axial direction of the reactor.



21: 2026/01726. 22: 2026/02/10. 43: 2026/10/12
51: B01J
71: CHINA PETROLEUM & CHEMICAL CORPORATION, SINOPEC (SHANGHAI) RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY CO., LTD.
72: YU, Zhinan, QI, Guozhen, GAO, Pan, ZHENG, Yijun, LI, Xiaohong
33: CN 31: 202311278071.3 32: 2023-09-28
54: CIRCULATING FLUIDIZED BED REACTOR AND USE THEREOF
00: -
A circulating fluidized bed reactor that adjusts the relative position of solid phase feed inlets and is provided with a solids distribution member, an application thereof, and a methanol-to-olefins conversion method. The reactor comprises a reaction chamber, a raw material gas distributor (8) is provided at the bottom end of the reaction chamber, and a plurality of solid phase feed inlets for feeding a circulating catalyst are provided on a cavity wall located above the raw material gas distributor (8); the plurality of solid phase feed inlets are each used for feeding catalysts in the same or

different states, and comprises at least one I-type solid phase feed inlet for feeding relatively large amounts of solids, and at least one II-type solid phase feed inlet for feeding relatively small amounts of solids, wherein the geometric center of the I-type solid phase feed inlet and the geometric center of the II-type solid phase feed inlet are on the same line in the vertical direction, or the deviation thereof does not exceed 5 degrees; at least the I-type solid phase feed inlet extends into the reaction chamber and is connected to a solids distribution member (17) in the direction of the center of the reaction chamber; the solids distribution member (17) comprises a bottom plate (18) and at least two side baffles (19) opposingly mounted on the bottom plate (18), wherein the bottom plate (18) and the side baffles (19) together define a flow channel for solids to pass through and be distributed; the flow channel is trapezoidal, the upper base of the trapezoidal flow channel is connected to the I-type solid phase feed inlet, and the bottom plate (18) is tangent to an inner edge of a feed inlet.

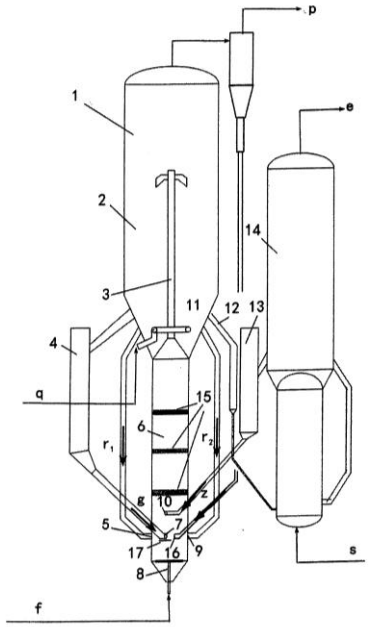


21: 2026/01727. 22: 2026/02/10. 43: 2026/10/12
51: B01J
71: CHINA PETROLEUM & CHEMICAL CORPORATION, SINOPEC (SHANGHAI) RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY CO., LTD.
72: QI, Guozhen, YU, Zhinan, WANG, Hongtao, ZHENG, Yijun, GAO, Pan, LI, Xiaohong
33: CN 31: 202311278071.3 32: 2023-09-28

54: CIRCULATING FLUIDIZED BED REACTOR PROVIDED WITH SOLID DISTRIBUTION MEMBER AND APPLICATION THEREOF

00: -

A circulating fluidized bed reactor provided with a solid distribution member and an application thereof, and a method for producing an olefin through conversion of methanol. The reactor comprises a reaction chamber; a feed gas distributor (8) is provided at the bottom end of the reaction chamber; one or more solid phase feeding ports used for circulating catalyst feeding are formed in the cavity wall located above the feed gas distributor (8); at least one of the solid phase feeding ports extends into the reaction chamber, and is connected to a solid distribution member (17) in the direction towards the center of the reaction chamber; the solid distribution member (17) comprises a bottom plate (18) and at least two side blocking plates (19) oppositely mounted on the bottom plate (18), wherein the bottom plate (18) and the side blocking plates (19) together define a flow channel for passage and distribution of a solid; the flow channel is in a trapezoidal shape; the top of the trapezoidal flow channel is connected to the solid phase feeding port; and the bottom plate (18) is tangent to the inner edge of the feeding port.



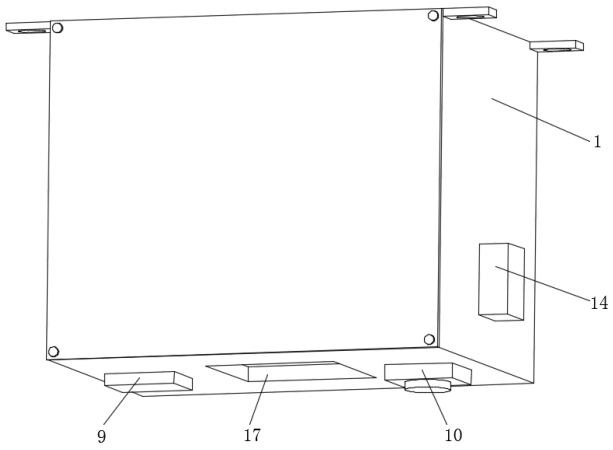
21: 2026/01755. 22: 2026/02/11. 43: 2026/10/12

51: A61B
71: JIANGSU COLLEGE OF NURSING
72: GE, Hong

54: SMART HEALTH MONITORING DEVICE FOR PUBLIC HEALTH IN ELDERLY COMMUNITIES

00: -

The present invention discloses a smart health monitoring device for use in elderly communities, aimed at enhancing public health safety while preserving privacy. The device comprises a protective shell housing a lifting mechanism, a horizontal plate, a millimeter wave radar, a smart camera, environmental sensors, and a servo-controlled lowering assembly. The millimeter wave radar enables non-contact detection of abnormal events such as falls, inactivity, or excessive motion without using continuous video surveillance. Environmental parameters including PM2.5, CO2, VOCs, temperature, and humidity are monitored via integrated gas sensors. Upon detection of abnormal activity, the smart camera is selectively deployed via a motorized threaded rod and sleeve system to visually verify the event while minimizing privacy invasion. The system reduces reliance on constant surveillance, enhances public area monitoring, and supports health-based alerts in communal living spaces. The invention is particularly suitable for eldercare facilities, assisted living environments, and other privacy-sensitive health-monitoring contexts.

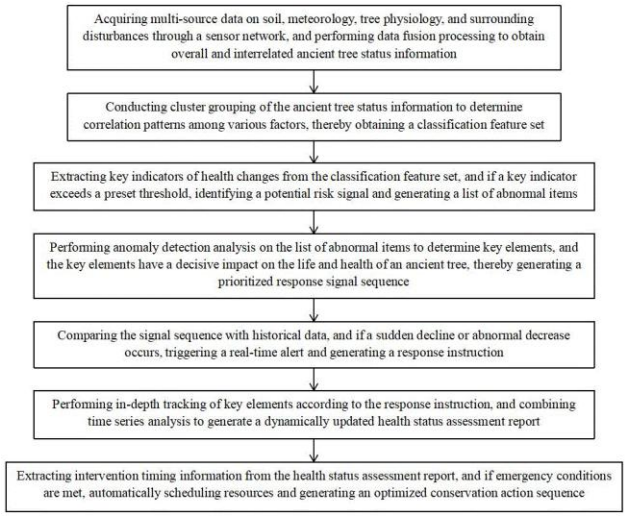


21: 2026/01756. 22: 2026/02/11. 43: 2026/10/12
51: G06F
71: Jinling Institute of Technology
72: LIU Wei, WANG Miao, TONG Dongya, LI Chanjun, LI Conghui

54: METHOD AND SYSTEM FOR MANAGING CONSERVATION DATA OF ANCIENT AND FAMOUS TREES BASED ON MULTI-SOURCE DATA FUSION

00: -

The present invention discloses a method and a system for managing conservation data of ancient and famous trees based on multi-source data fusion. The method and system acquire data on soil, meteorology, tree physiology, and surrounding disturbances through a sensor network, and perform data fusion to form a unified and interrelated dataset. Clustering analysis is employed to mine correlation patterns among multiple factors, key indicators of health changes are extracted, and anomaly detection is performed. Time series analysis is conducted on abnormal items to identify key elements, which are compared with historical data to trigger real-time alerts. Further in-depth tracking is performed to generate a dynamic health assessment report, emergency intervention timing is extracted, resources are automatically scheduled, and an optimized conservation action sequence is output. The present invention realizes closed-loop management of the entire process from data acquisition to conservation decision-making, thereby enhancing the real-time performance, accuracy, and proactive intervention capability of ancient tree health monitoring.



21: 2026/01757. 22: 2026/02/11. 43: 2026/10/12
51: B03B
71: China Nerin Engineering Co., Ltd.
72: SHEN Louyan, WANG Jianguo, ZHOU Lijun, DUAN Yilong

54: NOVEL ECONOMICAL AND ENVIRONMENTALLY FRIENDLY SPODUMENE BENEFICIATION METHOD

00: -

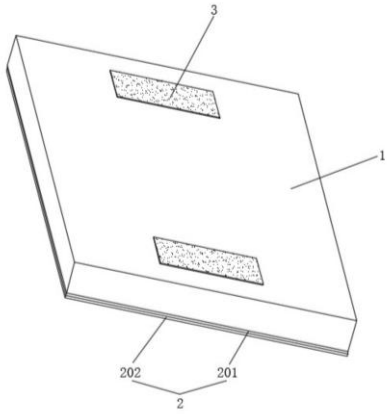
The invention discloses a novel economical and environmentally friendly spodumene beneficiation method, belonging to the technical field of mineral processing. The method includes: crushing raw ore to 0.6-12mm, dynamically setting the first-stage separation density rho1 according to its Lithium Oxide grade and high-density gangue content, and activating density micro-disturbance when the high-density gangue content is high; based on the first-stage separation effect, real-time calculating and controlling the second-stage separation density rho2 through the dynamic coordination model rho2= rho1-k×delta rho to achieve deep tailings discarding. The invention also discloses a special system for implementing the method and the produced spodumene rough concentrate with high surface activity. The invention effectively solves the problems of poor adaptability, serious interference of high-density gangue and insufficient separation precision of traditional processes, significantly improves the rough concentrate grade while ensuring high recovery rate, and greatly reduces the subsequent flotation reagent consumption, having prominent economic and environmental benefits.

21: 2026/01758. 22: 2026/02/11. 43: 2026/10/12
51: A63B
71: Henan University of Urban Construction
72: Tongtong XING, Wei QIU, Wei YUE, Honglin YANG, Zhanping LI, Zhiyong WANG, Hongmin WANG

54: ELASTIC PROTECTIVE MAT FOR VOLLEYBALL TRAINING

00: -

The present invention discloses an elastic protective mat for volleyball training, relating to the technical field of protective pads, and addresses the problems of poor positioning stability and suboptimal structural performance. It comprises a protective pad body, with a fixing mechanism arranged at the bottom of the protective pad body. By providing an anti-slip bottom layer, stabilizing layer, cushioning layer, antibacterial layer, and wear-resistant layer, the protective pad body is constructed to improve its structural performance and enhance usage effectiveness. The use of a hook-and-loop fastener loop surface and hook surface facilitates installation and fixation of the protective pad body. The tactile guidance layer serves to indicate the correct position of the athlete's foot or hand, providing guidance. This solution integrates stable fixation, tactile guidance, efficient cushioning, structural stability, durability, and hygienic antibacterial properties, significantly enhancing the safety of volleyball pad training.



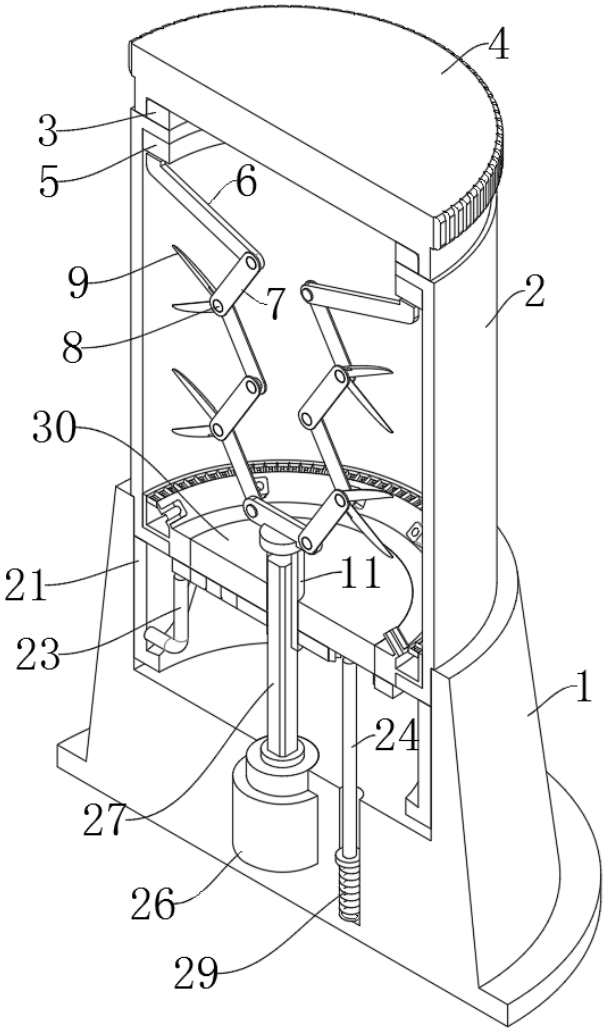
21: 2026/01759. 22: 2026/02/11. 43: 2026/10/12
51: G06F
71: ANHUI INSTITUTE OF MEDICINE
72: Yang Haoran
33: CN 31: 202610070702X 32: 2026-01-20

54: CLINICAL PHARMACY MEDICATION DISPENSING DEVICE

00: -

The present invention relates to the technical field of medication dispensing devices, and particularly to a clinical pharmacy medication dispensing device, which includes a frustoconical base with a hollow interior and a tank body open at two end faces. The tank body is vertically and fixedly connected to a top of the base, a bottom end inside the tank body is rotatably connected to a rotating pipe with a circular outer surface and a square inner surface through a rotating structure, a lug plate is fixedly connected to a top end of the rotating pipe, an annular rotating ring is rotatably mounted at a top end inside the tank body, connecting plates are fixedly connected to a bottom surface of the rotating ring, a plurality of mutually hinged shearing and stirring structures are arranged between the lug plate and the connecting plates, and each shearing and stirring structure includes two rotating blocks. During medication dispensing, various raw materials are mixed and

stirred by the rotation of stirring blades in the tank body, and shearing cutters are driven to open and close by the stirring blades during stirring, to divide and cut the regularly rotating raw materials in the tank body and break an isolation layer formed by powdery medications covering the surface of ointment-like medications.

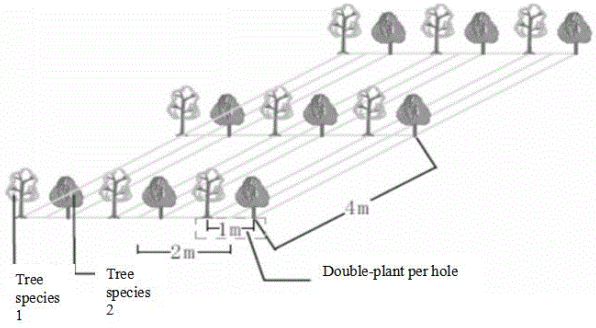


21: 2026/01761. 22: 2026/02/11. 43: 2026/10/12
51: A01G
71: Guangxi University, Guangxi Zhuang Autonomous Region State-owned Liuwan Forest Farm, Guangxi Zhuang Autonomous Region State-owned Qipo Forest Farm
72: YANG Mei, HE Jiang, MO Dongyi, YAO Xianyu, MA Peigang, WU Hai, XU Yuanyuan, LUO Hualong, YI Jiayong, WANG Linghui, WANG Yaoyi, FENG Cheng, FU Yunlin

54: METHOD FOR MIXED CULTIVATION OF EUCALYPTUS AND FAST-GROWING ACACIA

00: -

A method for mixed cultivation of eucalyptus and fast-growing acacia includes the following steps: using half-year-old eucalyptus container seedlings and fast-growing acacia container seedlings as afforestation materials; conducting strip cleaning of the afforestation land and block site preparation; planting 2 trees in the same large-sized afforestation hole; performing hole cultivation two months before planting; backfilling the hole soil one month before afforestation, and applying organic fertilizer as base fertilizer when the hole soil is backfilled to 1/3; conducting afforestation within 2 months after the completion of site preparation; continuously tending for 3 years after afforestation, including weeding and topdressing twice a year. The invention adjusts the tree species structure, increases the spacing between rows and holes in the stand, changes the ventilation conditions in the eucalyptus plantation, optimizes the light environment and nutrient environment of the stand, forms a good multi-layered forest structure, and provides technical support for improving the planting mode and sustainable management of eucalyptus plantations.



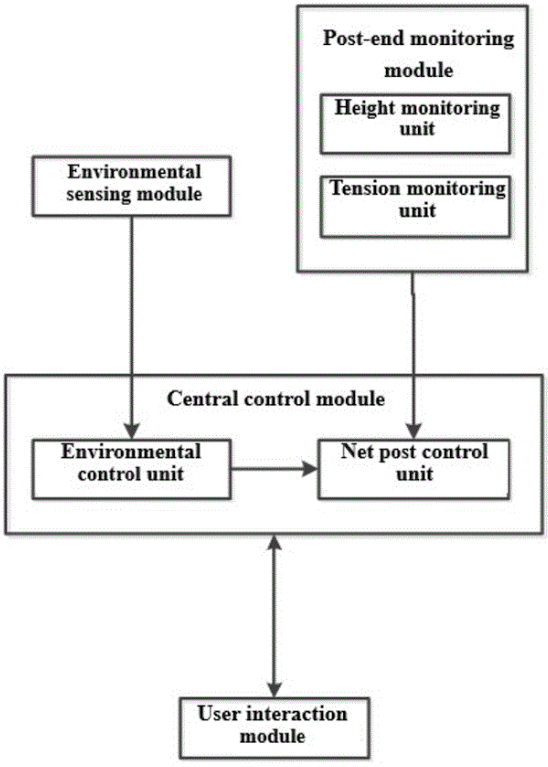
21: 2026/01762. 22: 2026/02/11. 43: 2026/10/12
51: A63B
71: Henan University of Urban Construction
72: Wei YUE, Tongtong XING, Wei QIU, Weihua TAO, Yifei CHU, Dongxia CHEN, Bei WANG

54: INTELLIGENT ADJUSTMENT SYSTEM FOR VOLLEYBALL NET POSTS

00: -

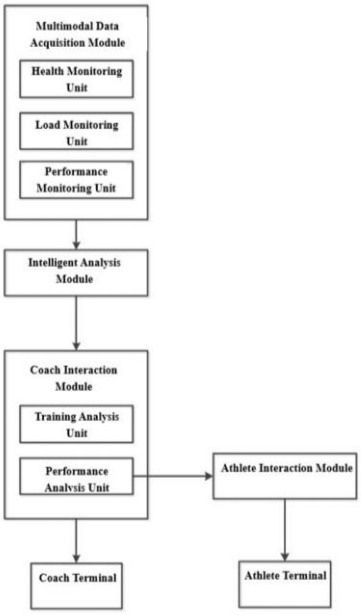
The present invention relates to the technical field of intelligent adjustment of sports equipment, and discloses an intelligent adjustment system for volleyball net posts, which comprises a post-end monitoring module, an environmental sensing

module, a central control module, and a user interaction module. This invention collects real-time net height data, net tension data, and environmental data, calculates the wind speed variation coefficient based on the environmental data, and determines whether to send an adjustment signal according to the wind speed variation coefficient, thereby improving the intelligence of the adjustment. Users select the training mode via the interaction terminal, and based on the training mode, real-time net height data, and tension data, combined with the adjustment signal, the system calculates the real-time adjustment amount that the user needs to adjust, and provides real-time guidance to the user at the interaction terminal, thus improving the accuracy and efficiency of net adjustment.



21: 2026/01763. 22: 2026/02/11. 43: 2026/10/12
51: A63B
71: Henan University of Urban Construction
72: Wei QIU, Wei YUE, Tongtong XING, Dongxia CHEN, Jiaying LI, Mingzhe YANG, Bei WANG
54: REAL-TIME TRANSMISSION AND ANALYSIS SYSTEM FOR VOLLEYBALL TRAINING DATA
00: -

The present invention relates to the technical field of volleyball training analysis and discloses a real-time transmission and analysis system for volleyball training data, which comprises a multimodal data acquisition module, an intelligent analysis and evaluation module, a coach interaction module, and an athlete interaction module. The invention collects physiological health data, exercise load data, and performance data of athletes in real time during training to obtain the health evaluation coefficient, load evaluation coefficient, and attack efficiency coefficient respectively. The functional evaluation coefficient is obtained based on the health evaluation coefficient and the load evaluation coefficient. The athlete's physical function is evaluated through multidimensional real-time data, which improves the accuracy of assessing the athlete's physical condition, thereby providing timely alerts to the coach and enhancing the coach's ability to promptly detect abnormal trends in the athlete's physical state. The athlete's training performance is evaluated based on the attack efficiency coefficient, enabling athlete rating and realizing intelligent training management.

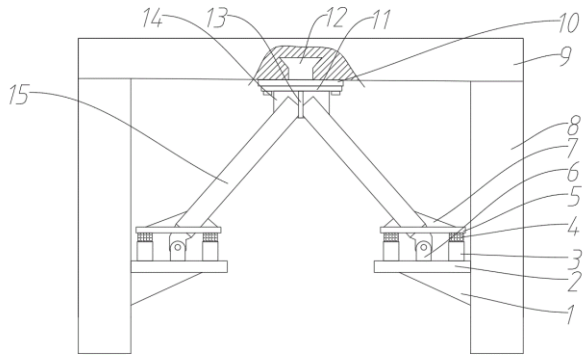


21: 2026/01765. 22: 2026/02/11. 43: 2026/10/12
51: E04B
71: Anhui Water Conservancy Technical College
72: GUO Mengmeng, WANG Chunxiu, TAO Wenbin, SHI Guangnan, ZHOU Zeyuan, WANG Wenjing

54: PREFABRICATED CONCRETE SEISMIC DAMPING FRAME STRUCTURE

00: -

The invention belongs to the technical field of building structures, and particularly relates to a prefabricated concrete seismic damping frame structure, comprising two prefabricated columns, a prefabricated beam connected between the tops of the two prefabricated columns to form a damping frame. A connecting piece is pre-embedded in the middle portion of the prefabricated beam, and an installation base is detachably connected to the connecting piece. Two supporting rods are welded on the installation base, the two supporting rods are arranged in an inverted V-shape, and the ends of the supporting rods are hingedly connected to an energy dissipation and damping device. The energy dissipation and damping device is connected to the prefabricated columns. By arranging the inverted V-shaped supporting rods and the energy dissipation and damping device, seismic energy can be effectively dissipated under earthquake action, protecting the beam-column joints and the main structure from damage. The design of the pre-embedded connecting piece and the detachable installation base allows the energy dissipation and damping device to be quickly installed on the prefabricated beam through bolt connections, resulting in low maintenance costs and simple operation.



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51: G01M

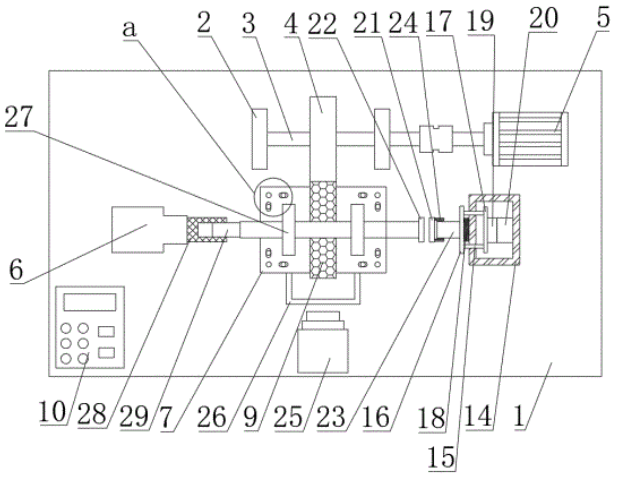
71: China Academy of machinery Zhengzhou Research Institute of Mechanical Engineering Co., Ltd.

72: WANG Dongfei, GUAN Rongxin, CHEN Xincai, LI Kaiyang, LI Zhi

54: COMPREHENSIVE TEST BENCH FOR GEAR FATIGUE LIFE

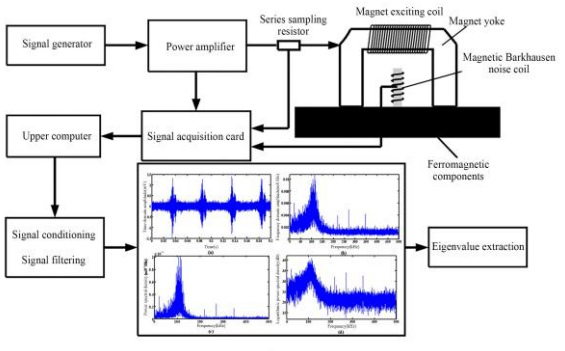
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The invention discloses a comprehensive test bench for gear fatigue life, which comprises a supporting platform, a testing component and a controller, wherein two first supporting plates and a motor are fixedly connected to the supporting platform, the first supporting plates are rotatably connected with a first rotating shaft, a driving gear is fixedly connected with the first rotating shaft, and the motor is in transmission connection with the first rotating shaft; the testing component comprises a torque loader, which is fixedly connected to a supporting platform, and a bottom plate is arranged on the supporting platform; the bottom plate is arranged on the supporting platform through a positioning mechanism, and a second rotating shaft is rotatably arranged on the bottom plate; the second rotating shaft is fixedly connected with a test gear, and the torque loader is in transmission connection with the second rotating shaft; the supporting platform is fixedly connected with an axial force applying mechanism and a radial force applying mechanism; the axial force applying mechanism is arranged corresponding to the second rotating shaft, and the radial force applying mechanism is arranged corresponding to the bottom plate; the controller is fixedly connected to the supporting platform, and the invention can not only realize torque loading, but also load radial force and axial force.

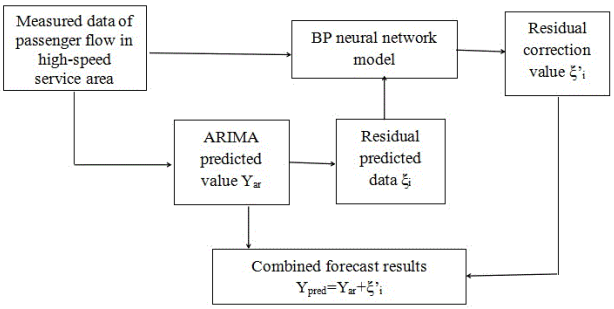


21: 2026/01767. 22: 2026/02/11. 43: 2026/10/12

51: G06Q
71: TANGSHAN UNIVERSITY, Nanjing University of Aeronautics and Astronautics
72: Di Jingyu, Shi Yu, Chen Xi, Wang Ping
33: CN 31: 202511918826.0 32: 2025-12-18
54: A PREDICTIVE MODEL FOR CHARACTERIZING THE RELATIONSHIP BETWEEN MAGNETIC BARKHAUSEN NOISE SIGNATURES AND STRESS
00: -
The present invention discloses a predictive model for characterizing the relationship between magnetic Barkhausen noise signatures and stress, and a prediction model for characterizing the relationship between magnetic Barkhausen noise eigenvalues and stress is constructed using a logistic function based on the generation mechanism of magnetic Barkhausen noise and its interaction mechanism with stress. The model contains three pending characteristic parameters, which communicate the physical coupling relationship between the characteristic values of magnetic testing signal and the stress. The prediction model can be trained with a small sample of experimental data, to determine the three pending parameters of the proposed model. The prediction model can provide a theoretical basis and key technical support for the subsequent development of low-cost portable stress detection instruments.

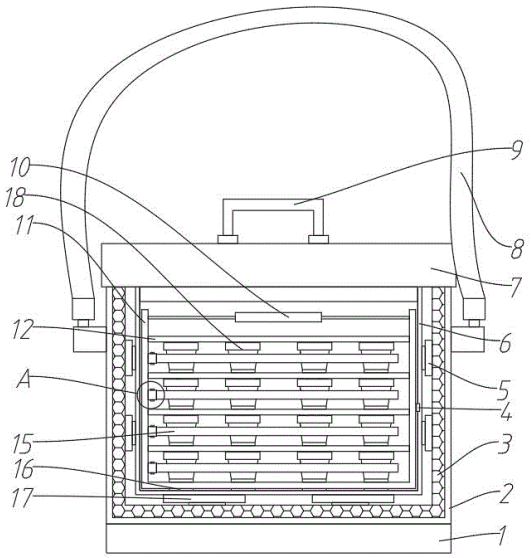


21: 2026/01769. 22: 2026/02/11. 43: 2026/10/12
51: G06Q
71: Henan University of Urban Construction
72: DONG Mingming, JIAO Lichao, WANG Mingchuan, MA Dong, ZHANG Kunhao, WANG Liuxi, LIU Yuxin
54: METHOD FOR PREDICTING PASSENGER FLOW AT EXPRESSWAY SERVICE AREAS BASED ON ARIMA-BP
00: -
The invention discloses a method for predicting passenger flow at expressway service areas based on ARIMA-BP. By effectively integrating the respective advantages of the ARIMA model and the BPNN neural network, the invention significantly improves the prediction accuracy and reliability of passenger flow at expressway service areas. The ARIMA model may accurately depict the linear trends and seasonal patterns in passenger flow data, while the BPNN neural network is good at learning and compensating for the impacts of complex nonlinear fluctuations and random factors in the data. The “residual compensation” mechanism formed by the combination of the two enables the model to more comprehensively reflect the real driving mode of passenger flow changes. Finally, the prediction method may output passenger flow predicted values that are more in line with actual operation conditions, providing more accurate and reliable data support for the forward-looking planning and dynamic management of service areas in terms of staffing allocation, energy supply, material reserve, commercial services and other aspects, thereby helping service areas improve operation efficiency and achieve optimal resource allocation.



21: 2026/01770. 22: 2026/02/11. 43: 2026/10/12
51: A61D
71: Fuyang women and children hospital
72: SONG Xiaoqing, HUANG Nan
54: PORTABLE CONSTANT TEMPERATURE SEMEN TRANSPORT DEVICE
00: -
The present invention belongs to the technical field of medical devices, and particularly relates to a portable constant temperature semen transport device, comprising a thermal insulation box body, a thermal insulation cover is buckled on the thermal insulation box body, a heating unit and a refrigeration unit are arranged in the thermal

insulation box body, the heating unit and the refrigeration unit are jointly and electrically connected with a temperature control unit, a lithium battery for supplying power to the heating unit, the refrigeration unit and the temperature control unit is arranged at the bottom end of the thermal insulation box body, a lifting basket is arranged in the thermal insulation box body, a plurality of partition plates are arranged on the lifting basket at equal intervals, a separation layer is formed between every two adjacent partition plates, a fixing member is arranged in any of the separation layers, the fixing member is used for fixing a semen collection cup, and the height of the separation layer matches the height of the semen collection cup, to prevent semen from shaking and tipping over during transport, and to reduce adverse effects on semen caused by factors such as temperature changes.

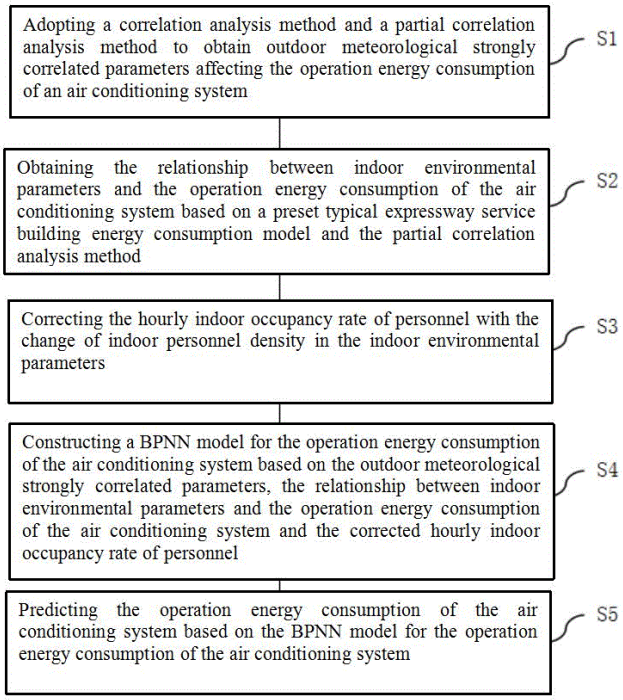


21: 2026/01771. 22: 2026/02/11. 43: 2026/10/12
51: G06F
71: Henan University of Urban Construction
72: JIAO Lichao, DONG Mingming, DONG Yingying, MA Dong, DONG Xiaopei, YAO Yujie

54: BPNN-BASED AIR CONDITIONING OPERATION ENERGY CONSUMPTION PREDICTION METHOD AND SYSTEM

00: -

The invention belongs to the technical field of air conditioning energy consumption prediction, and specifically relates to a BPNN-based air conditioning operation energy consumption prediction method and system. The method includes: adopting a correlation analysis method and a partial correlation analysis method to obtain outdoor meteorological strongly correlated parameters affecting the operation energy consumption of an air conditioning system; obtaining the relationship between indoor environmental parameters and the operation energy consumption of the air conditioning system based on a preset typical expressway service building energy consumption model and the partial correlation analysis method; correcting the hourly indoor occupancy rate of personnel with the change of indoor personnel density in the indoor environmental parameters; constructing a BPNN model for the operation energy consumption of the air conditioning system based on the outdoor meteorological strongly correlated parameters, the relationship between indoor environmental parameters and the operation energy consumption of the air conditioning system and the corrected hourly indoor occupancy rate of personnel; predicting the operation energy consumption of the air conditioning system based on the BPNN model for the operation energy consumption of the air conditioning system. The invention realizes high-precision, fast and stable prediction of air conditioning operation energy consumption.

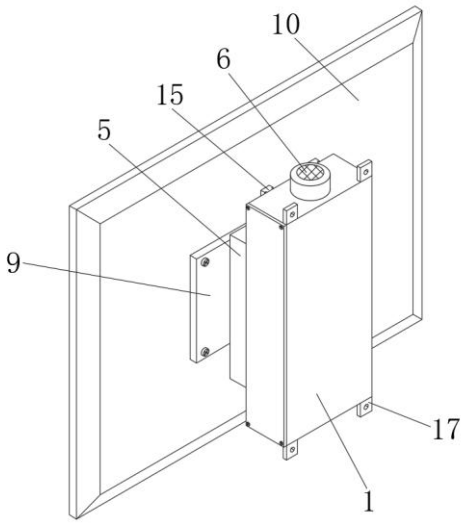


21: 2026/01772. 22: 2026/02/11. 43: 2026/10/12
51: G09B
71: WENZHOU MEDICAL UNIVERSITY
72: ZHANG, Bingru, LV, Ying, XIA, Haiou, ZHANG, Yanle, LIN, Tiantian, HUANG, Manxi, YI, Ying, WANG, Li, LI, Yingying

54: TEACHING ASSISTANCE TERMINAL FOR ENGLISH TEACHING

00: -

Disclosed is a teaching assistance terminal for English instruction, which improves adjustability and usability in classroom or individual learning environments. The device comprises an adjustment box containing a vertically mounted screw, driven by a servo motor, with a rectangular plate threaded onto the screw for vertical movement. A driving plate and movable frame enable smooth horizontal positioning. A rotating shaft, connecting plate, and installation plate support a language teaching terminal integrated machine. A rotating table and limit components allow horizontal angle adjustments to suit varying user preferences. The vertical height of the teaching terminal is adjusted by the screw-thread mechanism, while the horizontal orientation is adapted by the rotation system. This dual-axis adaptability accommodates users of different heights, seating arrangements, and learning scenarios, enhancing ergonomic support and teaching effectiveness. The invention is particularly suited to English language classrooms, tutoring centers, or home-learning environments requiring adjustable support for electronic teaching terminals.



21: 2026/01773. 22: 2026/02/11. 43: 2026/10/12
51: A63B
71: Henan University of Urban Construction
72: Yifei CHU, Xiaxiao TIAN, Siyu GUO, Beibei FU, Quan XU

54: INTELLIGENT FOOTBALL TRAINING SYSTEM BASED ON MULTIMODAL ANALYSIS

00: -

This invention relates to the interdisciplinary field of sports training technology and artificial intelligence, and discloses an intelligent football training system based on multimodal analysis. The system includes a multimodal data acquisition module, a central intelligent evaluation module, and an interaction module. This invention collects multimodal training data from athletes and environmental data from the training field. Based on the training data, it calculates movement standard coefficients and competitive efficiency coefficients. It also incorporates the potential impact of environmental data on the athlete's physical load to calculate a physiological load coefficient, and further calculates a comprehensive evaluation coefficient as an objective evaluation indicator of the athlete's overall training performance. This coefficient is then used to generate a training report, and the physiological load coefficient is used to determine whether to issue an alert to the coach, thus improving the safety and efficiency of athlete training.

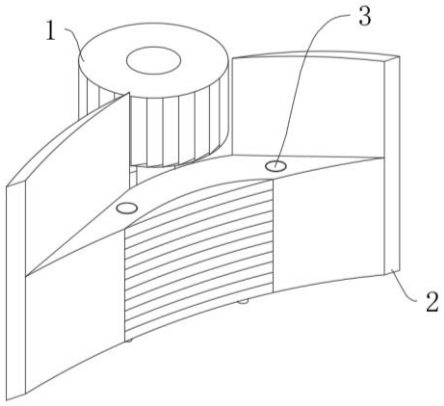


21: 2026/01775. 22: 2026/02/11. 43: 2026/10/12
51: F03D
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES
72: LIU, Sibo, YIN, Guomei, YE, Ruhan, WEN, Chao, LIU, Xinchao, ZHANG, Pujin, CHANG, Hong, GAO, Bo, Namuriga, BAO, Jian, LI, Xingyue, FU, Mingli, DONG, Ruiwen, YANG, Shanshan, WANG, Xinyou, CHEN, Yang, HAO, Jie, LI, Xue, XU, Jiayi, ZHANG, Zhengfu, SUN, Jiongqing, XU, Pengyi, WANG, Xiang
33: CN 31: 2026101289736 32: 2026-01-30

54: WIND-DRIVEN LOCUST PHYSICAL BARRIER AND COLLECTION DEVICE SUITABLE FOR GRASSLAND TERRAIN

00: -

The present invention discloses a wind-driven locust physical barrier and collection device suitable for grassland terrain, relating to the field of agricultural pest control. The device comprises a driving mechanism, a collecting mechanism, and a trapping mechanism. The collecting mechanism includes a collecting box with a front-facing inlet, an upper wind guide plate to direct airflow, and a filter screen at the rear end. An installation groove and connecting hole facilitate component integration and maintenance. The device utilizes wind energy through wind guide plates to align wind direction with the rotation of a wind wheel, enabling energy-efficient operation and mobility in open terrain. This configuration resolves the conflict between wind collection efficiency and physical barrier placement, thereby enhancing the effectiveness of locust capture and collection. The system is designed for deployment in grassland environments to passively and sustainably intercept and collect locusts, aiding in ecological pest control strategies and reducing chemical pesticide dependence.



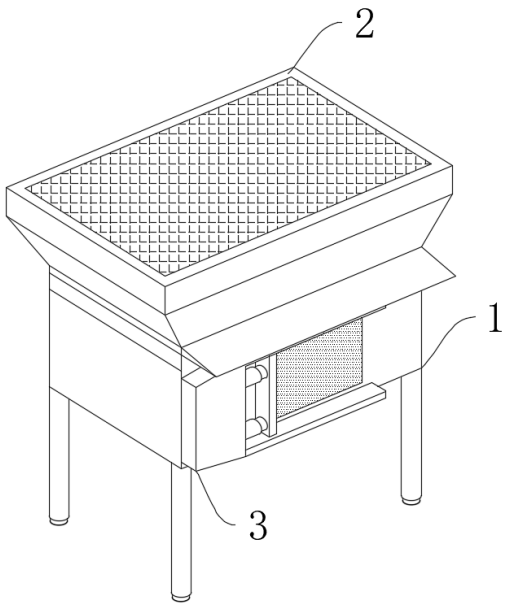
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51: A01M; G01N
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES
72: LIU, Sibo, YIN, Guomei, ZHANG, Pujin, YE, Ruhan, WEN, Chao, LIU, Xinchao, NA, Risu, LI, Jianmei, GAO, Bo, BAO, Jian, LI, Xingyue, HAO, Jie, YANG, Shanshan, WANG, Xinyou, CHEN, Yang, DU, Xufang, DONG, Ruiwen, ZHANG, Zhengfu, CHEN, Yanjie, LU, Ruiqi, WANG, Xiang
33: CN 31: 2026101292086 32: 2026-01-30

54: AIR SAMPLING-BASED DEVICE FOR BROAD-SPECTRUM COLLECTION AND MONITORING OF EDNA FROM LOCUST HABITATS

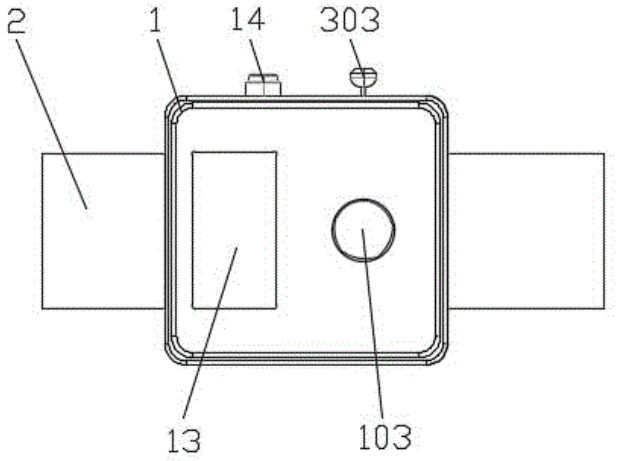
00: -

The present invention discloses an air sampling-based device for broad-spectrum collection and monitoring of environmental DNA (eDNA) from locust habitats, relating to the field of agricultural pest monitoring. The device comprises a monitoring mechanism, with a power generation unit mounted at the top and a cleaning mechanism at the front. The cleaning mechanism includes a controller connected to an electric telescopic rod that drives a scraper to periodically clean the filter screen of the air sampling port. This automated cleaning reduces impurity blockage, ensures consistent airflow, and maintains sampling efficiency and eDNA purity. The

system allows for long-term, unmanned operation, reducing labor costs and intervention while ensuring reliable and continuous monitoring. The combination of air sampling and automated filter cleaning makes the device suitable for remote field deployment in harsh locust-infested environments. It supports early warning systems, ecological research, and integrated pest management through high-quality eDNA data acquisition.

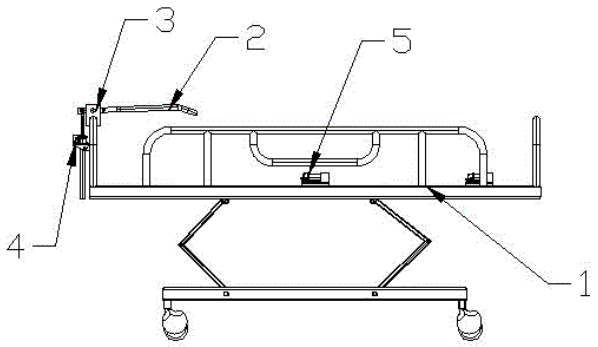


21: 2026/01780. 22: 2026/02/11. 43: 2026/10/12
51: A61B
71: Taizhou People's Hospital Affiliated to Nanjing Medical University
72: ZHANG Qingqing, CHEN Qiuping, CAO Jingyuan, WU Yucheng, WANG Lichun
54: A SMART BRACELET WITH BOTH HYPOGLYCEMIA PREDICTION AND EMERGENCY RESCUE FUNCTION
00: -
This invention discloses an intelligent wristband with dual functions of hypoglycemia prediction and emergency assistance, belonging to the medical device technology field. It comprises a monitoring and processing unit and an emergency power unit. When worn, the monitoring and processing unit is positioned on the palmar side of the user's wrist, while the emergency power unit is located on the dorsal side. The two units are connected via a wristband containing a cable for data communication and power transmission. The pulse sensor directly targets the radial artery region, capturing high-signal-to-noise-ratio, high-fidelity physiological signals. The pulse frequency is displayed in real-time on the screen, enabling immediate and intuitive detection of hypoglycemia. Users can manually open the mechanism to remove candies for use or press the distress button to activate an alarm through the speaker, alerting bystanders for professional medical intervention.

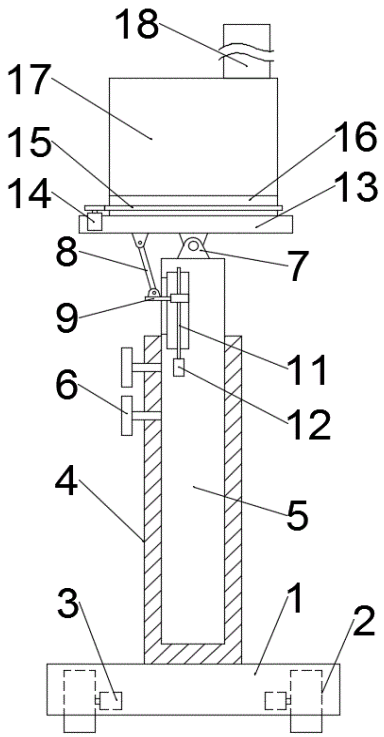


21: 2026/01781. 22: 2026/02/11. 43: 2026/10/12
51: A61F
71: Taizhou People's Hospital
72: WU Yuqin
54: A RESTRAINT DEVICE FOR NEUROLOGY NURSING
00: -
This invention discloses a restraint device for neurology nursing, belonging to the field of medical device technology. It comprises a nursing bed, with a shoulder-neck restraint mechanism mounted on the headboard. The shoulder-neck restraint mechanism is rotatably attached to the top of the headboard via hinge ear plates, and one end of the mechanism extends beyond the bed to connect with a lifting mechanism. A ratchet fastening mechanism is installed at the wrist and ankle positions of the nursing bed, with a locking mechanism positioned parallel to it. The restraint belt exits from the ratchet fastening mechanism, wraps around the patient, and locks with the locking mechanism. This invention not only increases the contact area between the restraint mechanism and the patient's shoulder-neck region but also enables convenient and precise adjustment of the restraint belt's tightness through the coordination of the ratchet fastening mechanism

and the locking mechanism. This effectively prevents patient escape, avoids excessive tightness that may exacerbate circulatory disorders, and reduces the frequency of frequent checks and adjustments by nursing staff, thereby lowering the workload of nursing tasks.

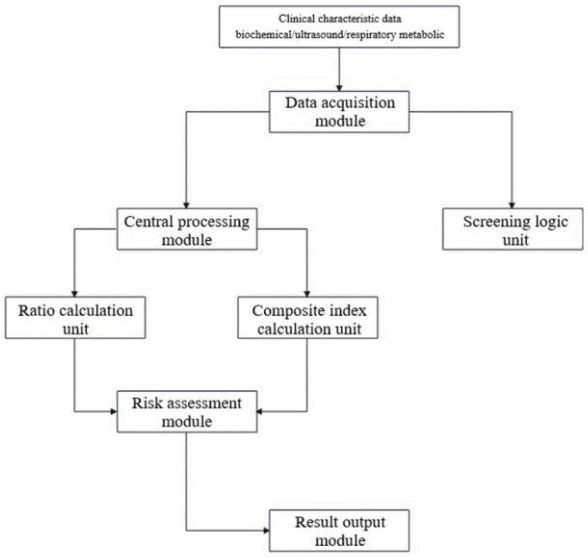


21: 2026/01810. 22: 2026/02/12. 43: 2026/10/12
51: A63B
71: Zhaoqing University
72: WANG Juan
33: CN 31: 2025105745095 32: 2025-05-06
54: AUTOMATIC BADMINTON SERVING DEVICE
00: -
The present invention belongs to the technical field of sports equipment, and provides an automatic badminton serving device, comprising: a movement assembly, including a base, a walking mechanism is arranged at the bottom of the base, a telescopic fixing rod assembly is arranged on the top of the base, and a serving angle adjustment mechanism is arranged on the top of the telescopic fixing rod assembly; a launching assembly, including a serving box arranged on the serving angle adjustment mechanism, one side of the serving box is provided with an opening, the inner bottom of the opening is provided with a wheel launching mechanism for launching a badminton, the top of the serving box is detachably connected with a ball tube, the bottom of the ball tube is in communication with the interior of the serving box, a ball discharging component is arranged inside the opening, the ball discharging component is used to clamp out the bottommost badminton from the ball tube downward, a net plate is further arranged inside the opening, and the net plate pushes the badminton into the wheel launching mechanism via a pushing member. The present invention can simulate the effect of an opponent's racket hitting the ball while moving during a match, thereby enhancing training effectiveness for athletes.



21: 2026/01813. 22: 2026/02/12. 43: 2026/10/12
51: G06Q
71: General Hospital of Ningxia Medical University
72: Jinlan MA
54: RISK PREDICTION SYSTEM FOR DIAPHRAGMATIC DYSFUNCTION IN SEPSIS BASED ON INFLAMMATION AND NUTRITION RATIOS
00: -
The invention discloses a risk prediction system and method for diaphragmatic dysfunction in sepsis based on inflammation and nutrition ratios, pertaining to the technical field of critical care monitoring and medical data processing. The system comprises data acquisition, central processing, risk assessment, and result output modules. The method involves collecting biochemical concentration parameters and ultrasound morphological parameters of sepsis patients, and calculating the ratios of high-sensitivity C-reactive protein to serum albumin and to prealbumin respectively. Based on a preset negative correlation prediction model, the trend of the above ratios over time and their association with diaphragmatic displacement are analyzed. When the ratio shows an upward trend,

the risk of diaphragmatic dysfunction is determined to increase; the system also performs multidimensional comprehensive assessment by combining energy deficit values and respiratory dynamics parameters. The invention quantitatively integrates systemic inflammation and nutritional consumption status, enabling early and dynamic warning of diaphragmatic function deterioration risk, and providing scientific basis for clinical intervention.

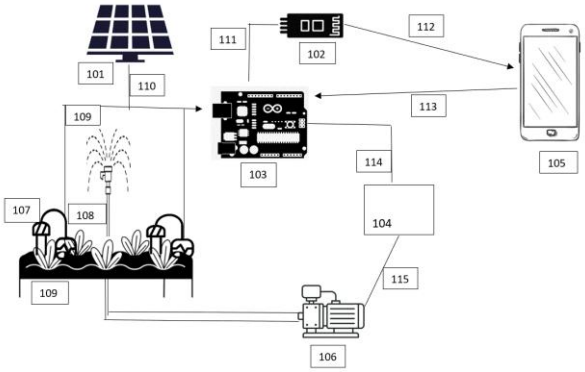


21: 2026/01814. 22: 2026/02/12. 43: 2026/10/12
51: A01G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MURDE, Vaibhav Vyankatrao, MUSALE, Ameya Abhay, VAIDYA, Nachiket Abhay, NAGENDRA, Nayan Pruthiviraj, NAGPURE, Khushal Nandkishor, NAGRALE, Dhanshri Santosh, LONDHE, Aoudumber, PISE, Ganesh Shivaji

54: AN IOT-BASED SOIL MOISTURE MONITORING AND AUTOMATIC IRRIGATION CONTROL SYSTEM

00: -

The present invention is related to an IoT-based soil moisture monitoring and automatic irrigation control system. The present invention relates to an automated smart irrigation system designed to optimize agricultural water usage through real-time monitoring and intelligent control. The system employs soil moisture sensors, temperature and humidity sensors, and a microcontroller-based processing unit to automatically regulate water supply based on environmental conditions and plant requirements. A motor-pump control unit activates irrigation only when soil moisture falls below a predefined threshold, ensuring efficient water utilization. Additionally, the system integrates wireless communication via Bluetooth or IoT modules, enabling users to monitor and operate the system remotely through a mobile device. This invention reduces manual labor, prevents over-irrigation and under-irrigation, increases crop productivity, and supports sustainable precision agriculture practices. The system is cost-effective, user-friendly, and suitable for farms, gardens, greenhouses, and water-restricted environments.



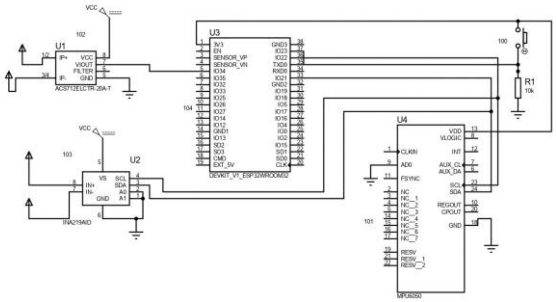
21: 2026/01815. 22: 2026/02/12. 43: 2026/10/12
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: FULZELE, Sohan Anand, MISHRA, Ralieka, SONAWANE, Ayush Shivaji, GAWANDE, Pravin Ganpatrao, AMBHORE, Vishal Bhaskarrao, RAUT, Ketan Janraoji, PATIL, Milind Sahebrao

54: AN IOT-BASED MULTI-MODE TAMPER DETECTION SYSTEM FOR DIGITAL WEIGHING INSTRUMENTS

00: -

The present invention is related to an IoT-based multi-mode tamper detection system for digital weighing instruments. The invention discloses an IoT-based tamper detection system designed to identify physical, electrical, and vibration-related tampering in embedded systems and weighing devices. The system employs a combination of sensors-microswitch, accelerometer, current, and voltage sensors-connected to an ESP32microcontroller. It processes sensor data, logs tamper events locally, and transmits real-time alerts via IoT communication to monitoring authorities. This invention offers a low-cost, power-

efficient, and scalable solution for smart security and industrial monitoring applications.

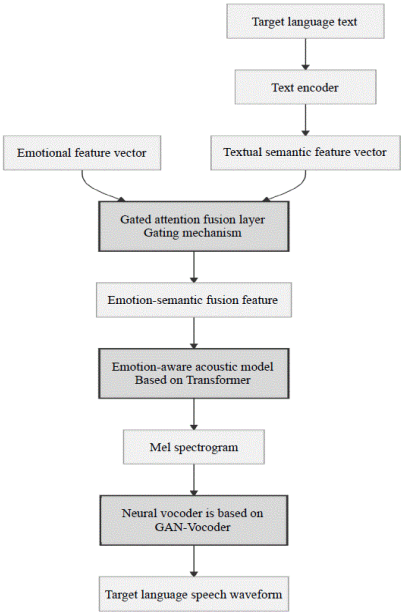


21: 2026/01816. 22: 2026/02/12. 43: 2026/10/12
51: G06F
71: Xinyu University
72: Yingdi XI, Li LI, Juan PENG, Ying LIN, Yangbo WU

54: METHOD FOR INTONATION TRANSFER IN SPEECH TRANSLATION INTEGRATING SPEECH EMOTION RECOGNITION AND SYSTEM

00: -

The present disclosure discloses a method for intonation transfer in speech translation integrating speech emotion recognition and a system, and belongs to the field of speech signal processing and artificial intelligence. The method includes: receiving a source language speech signal; performing speech recognition and machine translation in parallel to obtain a target language text, while performing speech emotion recognition to extract a continuous multidimensional emotional feature vector; deeply fusing a semantic feature of the target language text and the emotional feature vector via a gated attention mechanism to generate an emotion-semantic fusion feature; and based on the fused feature, generating and outputting a target language speech signal with transferred intonation through emotion-aware speech synthesis. The present disclosure achieves precise capture of the source speech emotion and natural integration into the target speech during cross-lingual translation, solves the problem of emotional deficiency and monotonous intonation in the output speech of conventional speech translation, and significantly enhances the naturalness, expressiveness, and user experience of the translated speech.



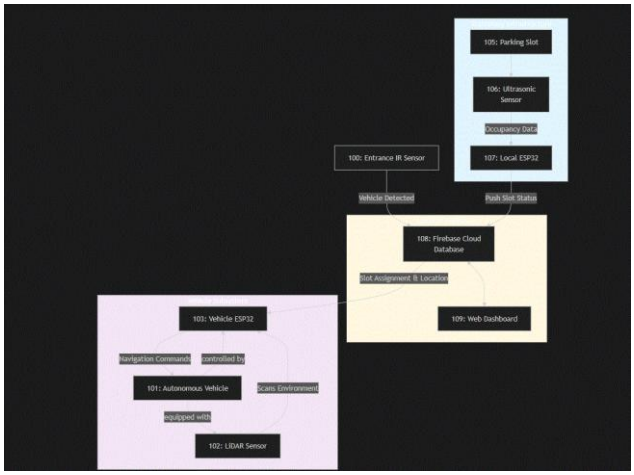
21: 2026/01817. 22: 2026/02/12. 43: 2026/10/12
51: G08G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: THAKKAR, Vrushti, SANAP, Amruta, PATIL, Sneha, KHIRADE, Om Dattatray, PATIL, Milind, GHULE, Gauri, DESHPANDE, Pallavi, RATNAPARAKHI, Archana

54: AN IOT-POWERED PARKING SYSTEM WITH AUTONOMOUS VEHICLE SLOT NAVIGATION USING LIDAR

00: -

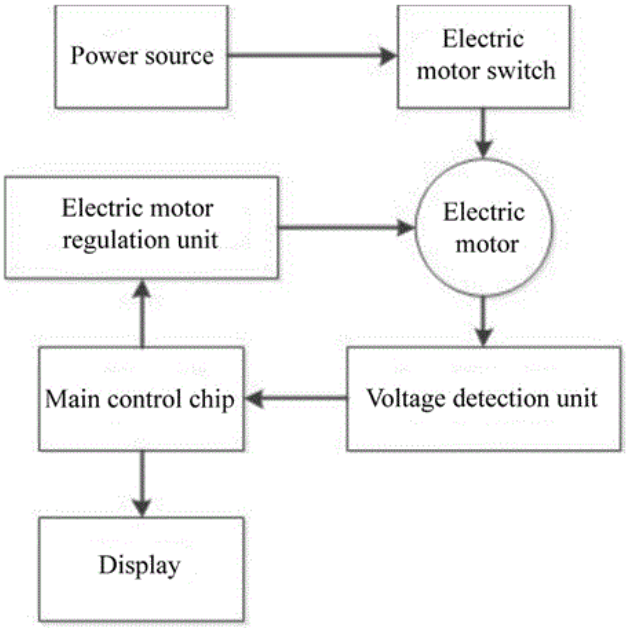
The present invention is related to an IoT-powered parking system with autonomous vehicle slot navigation using LiDAR. The invention addresses inefficiencies in urban parking by creating a seamless, automated experience from arrival to parking. The system integrates an IoT network of ultrasonic sensors to monitor the real-time occupancy of each parking slot, synchronizing this data with a cloud database. A web dashboard provides a live visual interface for monitoring and automatically assigns the nearest vacant slot to an incoming vehicle. The core innovation is an autonomous vehicle parking system equipped with a LiDAR sensor that receives the slot assignment and independently navigates through the parking facility, avoiding obstacles and precisely maneuvering into the designated space without human intervention. This cohesive framework bridges the gap between smart parking infrastructure and autonomous vehicle

control, offering a practical solution to reduce urban congestion and enhance driver convenience.



21: 2026/01818. 22: 2026/02/12. 43: 2026/10/12
51: G05B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WALE, Aryan Ranjit, PATIL, Pragati Shidarayagouda, PATIL, Rajas Prashant, ZOD, Sumeet Prakash, GHULE, Gauri, RATNAPARAKHI, Archana, DESHPANDE, Pallavi
54: AN IOT-BASED WORKSTATION MONITORING SYSTEM FOR ENHANCING SAFETY AND PRODUCTIVITY IN INDUSTRIAL ENVIRONMENTS
00: -
The present invention is related to an IoT-based workstation monitoring system for enhancing safety and productivity in industrial environments, particularly electronics manufacturing. It integrates environmental sensors, wearable devices and current sensors. A central gateway performs edge-based machine learning to detect anomalies and hazardous conditions in real time, triggering immediate alerts or safety actions, while simultaneously transmitting processed data to a cloud platform for dashboards, reporting, and productivity analysis. By combining multi-modal sensing, automated safety intervention, and low-cost hardware, the system provides a comprehensive, real-time solution for safer and more efficient manufacturing operations.

21: 2026/01824. 22: 2026/02/12. 43: 2026/10/12
51: G01R
71: SANMEN KANGCHUANG ELECTRONIC TECHNOLOGY CO., LTD
72: Chengyuan WANG
33: CN 31: 202310939683.6 32: 2023-07-28
54: ON/OFF CURRENT DETECTION CIRCUIT FOR ELECTRIC TOOL
00: -
An on/off current detection circuit for an electric tool, the circuit comprising: an electric motor regulation unit, which receives, when an electric motor is in a power-on state, a regulation signal of a main control chip to regulate the real-time rotational speed of the electric motor; a voltage detection unit, which collects voltage signals of the electric motor at the current rotational speed, performs proportional conduction output of voltage signals in a low-voltage state by using a metal-semiconductor field effect of a field effect transistor, and performs step-down processing output of voltage signals in a high-voltage state; and the main control chip, which receives the voltage signals that are processed by the voltage detection unit, and displays the real-time voltage of the electric motor by means of a display. The present current detection circuit implements proportional output of low-voltage signals and limited output of high-voltage signals, so that missed detection and false detection of low-voltage signals in conventional voltage drop circuits are avoided, thereby greatly improving the use safety of electric tools.

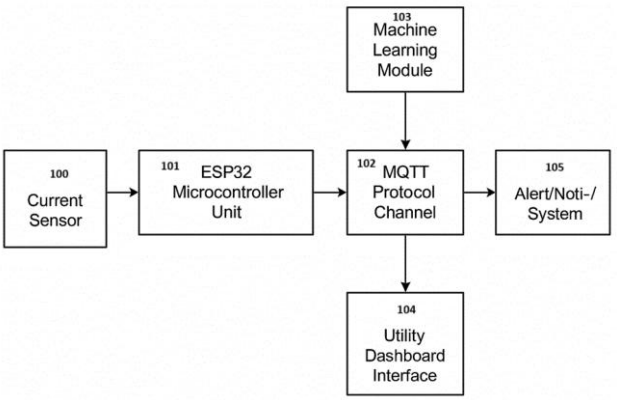


21: 2026/01852. 22: 2026/02/13. 43: 2026/10/12
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JADHAV, Bhumi Hemant, PATIL, Shreyash Ravindra, GAWANDE, Pravin Ganpatrao, AMBHORE, Vishal Bhaskarrao, RAUT, Ketan Janraoji, DESHMUKH, Minal Samir

54: AN AI-BASED POWER THEFT DETECTION AND ANOMALY MONITORING SYSTEM USING ESP32 AND MACHINE LEARNING

00: -

The present invention is related to an AI-based power theft detection and anomaly monitoring system using ESP32 and machine learning. It continuously monitors power consumption, detects anomalies, and predicts possible theft events by analyzing real-time data. The system transmits readings via MQTT to an edge server where an ML model identifies deviations from normal patterns. When irregularities are detected, alerts are generated automatically for the user or utility provider. The system offers a cost-effective, scalable, and intelligent solution to prevent power theft and optimize energy usage.

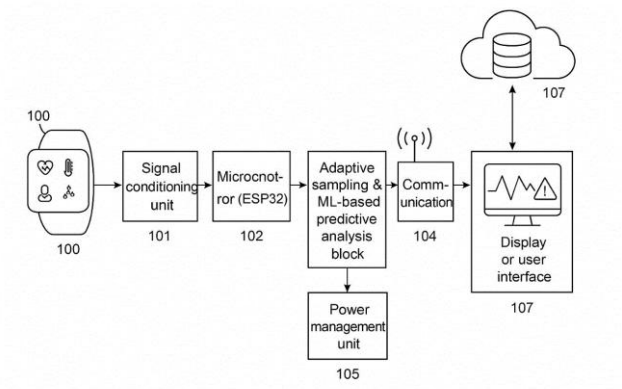


21: 2026/01853. 22: 2026/02/13. 43: 2026/10/12
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAUDHARI, Ishwari Ravindra, BHAGAT, Pratiksha Vidyanand, KARYAPPA, Gouri Shivgonda, GAWANDE, Pravin Ganpatrao, AMBHORE, Vishal Bhaskarrao, RAUT, Ketan Janraoji, PATIL, Milind Sahebrao

54: AN ADAPTIVE MULTI-MODAL BIOMETRIC HEALTH MONITORING SYSTEM WITH PREDICTIVE DEGRADATION DETECTION

00: -

The present invention is related to an adaptive multi-modal biometric health monitoring system with predictive degradation detection. This is a compact, intelligent, energy-efficient biometric health monitoring system that integrates multiple sensors for the measurement of body temperature, heart rate, and oxygen saturation, with an optional ECG module for extended cardiac analysis. Adaptive sampling is used to optimize the power in the system, while machine learning algorithms provide predictive detection of abnormal health conditions. Wireless transmission of data to either a cloud or mobile platform is performed for real-time monitoring and alerting. Compared to previous single-sensor systems, this system provides more accurate, continuous, and predictive health insights with superior energy efficiency and usability.

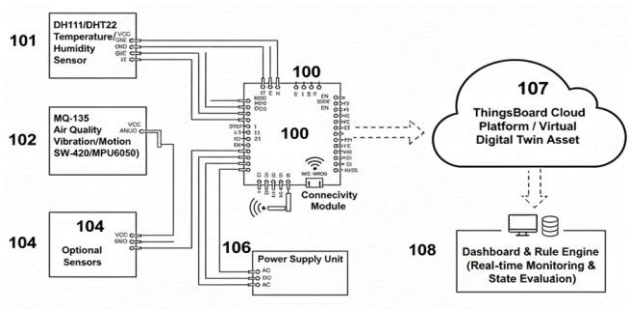


21: 2026/01854. 22: 2026/02/13. 43: 2026/10/12
51: G01D
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KULKARNI, Manish Satish, PATIL, Bhavesh Dhanraj, KERZARKAR, Raman Rajiv, GAWANDE, Pravin Ganpatrao, AMBHORE, Vishal Bhaskarrao, RAUT, Ketan Janraoji, PATIL, Milind Sahebrao

54: A LOW-COST MULTI-SENSOR DIGITAL TWIN SYSTEM FOR REAL-TIME CONDITION MONITORING IN IIOT

00: -

The present invention is related to a low-cost multi-sensor digital twin system for real-time condition monitoring in IIoT. The present invention discloses a low-cost digital twin framework for real-time state condition modeling using an ESP32 microcontroller integrated with multiple sensors for environmental and operational data acquisition. The invention enables continuous monitoring of parameters such as temperature, humidity, gas concentration, and vibration, which are transmitted to a cloud-based IIoT platform (ThingsBoard) via the MQTT protocol. A rule engine within the platform processes the incoming data and evaluates the asset's state across predefined categories (Normal, Warning, Critical), thereby providing actionable insights and alerts. Unlike existing digital Twin solutions that rely on proprietary and expensive infrastructures, this invention leverages affordable hardware and open-source platforms, achieving cost-effectiveness, scalability, and ease of deployment. The system is suitable for applications in predictive maintenance, smart infrastructure, agriculture, and industrial IoT, while also serving as a research-ready platform for future integration with Machine Learning and Artificial Intelligence to enhance predictive capabilities.

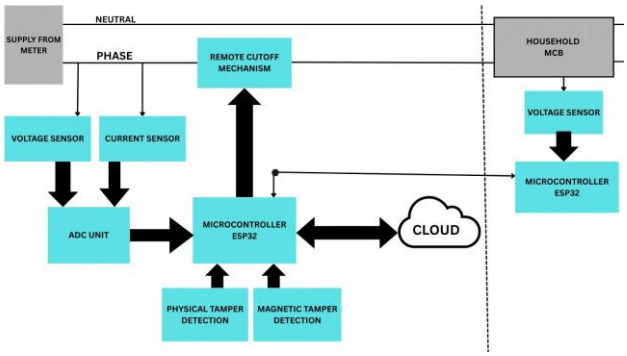


21: 2026/01855. 22: 2026/02/13. 43: 2026/10/12
51: H02B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: AHMAD, Shaoor, DESHPANDE, Amogh Narendra, LADDHA, Mansi Mukesh, GAWANDE, Pravin Ganpatrao, AMBHORE, Vishal Bhaskarrao, RAUT, Ketan Janraoji, DESHMUKH, Minal Samir

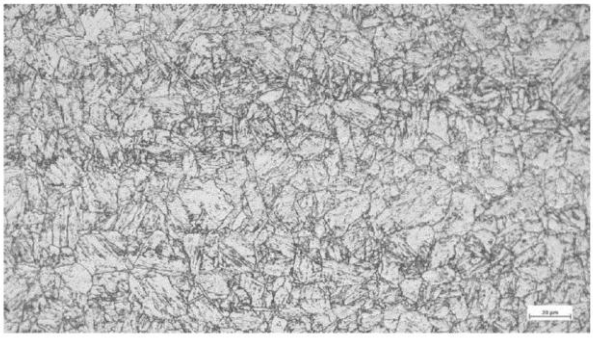
54: A MULTI-MODAL TAMPERING DETECTION SYSTEM FOR SMART ENERGY METERS

00: -

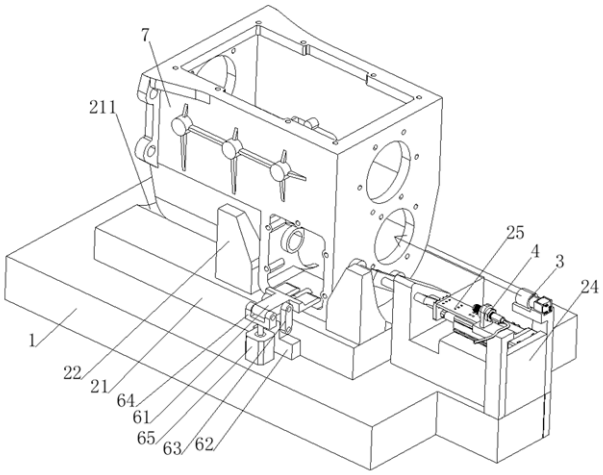
The present invention is related to a multi-modal tampering detection system for smart energy meters. The system employs a multi-layered approach by combining an array of hardware sensors with a distributed network of microcontrollers and an artificial intelligence (AI) based monitoring system. The hardware includes a Voltage Sensor and a Current Sensor to detect bypass tampering by monitoring power flow discrepancies. A Hall Sensor is used to identify magnetic tampering, while a Tilt Sensor detects any physical movement or re-orientation of the meter. A Relay Switch is integrated for remote power disconnection, allowing a utility provider to remotely disconnect power from a consumer. To enhance security, the system utilizes a secondary ESP8266 module connected to a dedicated MCB sensor. This secondary module communicates with the primary ESP32 Module using the ESP-NOW protocol, enabling secure, peer-to-peer communication without requiring a router or Wi-Fi gateway. This decentralized setup ensures that even if the primary meter is tampered with, the system can still detect and report the event through the secondary module.



21: 2026/01857. 22: 2026/02/13. 43: 2026/10/12
51: C22C
71: SHANXI TAIGANG STAINLESS STEEL CO., LTD.
72: MENG, Chuanfeng, WANG, Gang, WANG, Caihuan, WANG, Yutian, ZHAO, Jianwei, MA, Youguang, GAO, Jiachun, CUI, Shoulong
33: CN 31: 202511262173.5 32: 2025-09-05
54: NICKEL-BASED CRYOGENIC STEEL WITH HIGH CRACK-ARREST PROPERTY IN -165°C LOW-TEMPERATURE ENVIRONMENT AND MANUFACTURING METHOD FOR THE SAME
00: -
The present invention discloses a nickel-based cryogenic steel with high crack-arrest property in -165°C low-temperature environment and a manufacturing method for the same. The method includes: converter smelting, LF refining, RH vacuum treatment, continuous casting, low-temperature rolling, heat treatment. The chemical composition of the nickel-based cryogenic steel is, by mass percentage: C: 0.02%-0.08%, Si smaller or equal to 0.35%, Mn smaller or equal to 0.80%, Al smaller or equal to 0.060%, P smaller or equal to 0.005%, S smaller or equal to 0.002%, Ni: 7.00%-9.50%, O: 0.0005%-0.0020%, N: 0.0010%-0.0050%, Cr: 0.01%-0.08%, with the remainder being iron and inevitable impurities. The present invention features simple control of alloying elements, appropriate nickel content and a straightforward production process, effectively improving steel purity and microstructure homogeneity. By controlling the thickness ratio of the continuous casting billet to the finished steel plate, crack-arrest property is effectively enhanced. Heat treatment yields a tempered sorbite microstructure, ensuring good toughness and excellent dual tensile crack-arrest property in the steel plate.

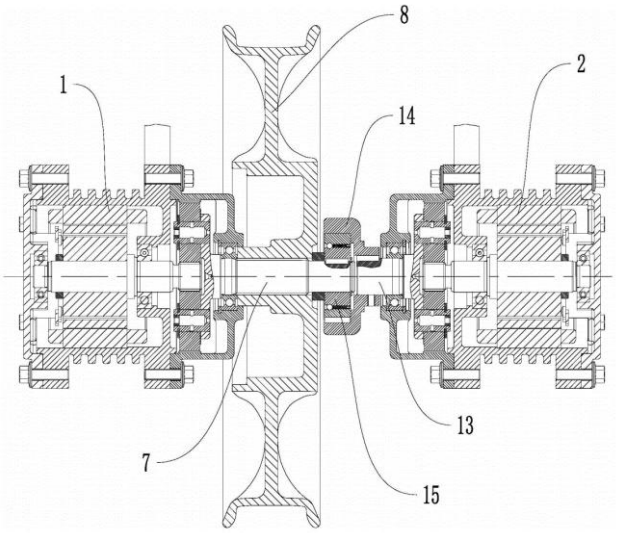


21: 2026/01860. 22: 2026/02/13. 43: 2026/10/12
51: F16H
71: Ningbo Polytechnic University, Ningbo Longch Mould Manufacturing Co., Ltd
72: Cheng Wen, Gao Jian
54: A POSITIONING CLAMPING DEVICE FOR GEARBOX HOUSING MACHINING
00: -
This invention discloses a positioning and clamping device for gearbox housing machining, comprising a base and a clamping mechanism. The clamping mechanism includes a clamping seat mounted on the base, with an arc-shaped groove corresponding to the gearbox housing's bottom surface. The groove is flanked by a pair of retaining plates to secure the housing. A movable insertion rod on the base clamps the housing through its movement. The arc-shaped groove fits snugly against the housing's curved bottom surface, while the retaining plates ensure stable descent and post-drop positioning. Two tapered insertion rods are inserted into the housing's holes, their tapered ends tightly contacting the inner walls to maintain coaxial alignment and longitudinal positioning. Combined with the contact rod's engagement, this system ensures the housing remains stable during machining, facilitating subsequent precision operations.



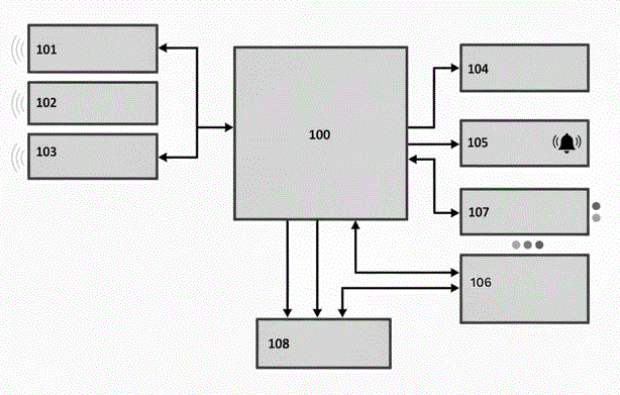
21: 2026/01863. 22: 2026/02/13. 43: 2026/10/12
51: A61K; C07K
71: GENOR BIOPHARMA CO., LTD., EDDINGPHARM (HONG KONG) COMPANY LIMITED
72: LV, Yaxuan, PENG, Fei, XU, Juehua, QIAN, Zhen, CAO, Huanhuan, YANG, Xueyan, DING, Qian, TAN, Yongcong, HAN, Shuhua, DU, Qinglin
33: CN 31: PCT/CN2023/107464 32: 2023-07-14
54: ANTI-PD-1/CTLA-4/VEGF ANTIBODIES AND USE THEREOF
00: -
Provided are anti-PD-1 antibodies and trispecific antibodies specifically binding to PD-1, CTLA-4 and VEGF, or antigen-binding fragments thereof, polynucleotides encoding the antibodies or antigen-binding fragments thereof, and methods of making and using the foregoing.

21: 2026/01899. 22: 2026/02/16. 43: 2026/10/13
51: B60K
71: ZHEJIANG XIN PRECISION MACHINERY CO., LTD.
72: YU Wenyong, JIN Jianhua, MA Qiang
33: CN 31: 2025103044137 32: 2025-03-14
54: COAXIAL DRIVE SYSTEM WITH DUAL WHEEL-SIDE MOTORS FOR LEFT AND RIGHT WHEELS OF BATTERY ELECTRIC VEHICLE
00: -
Disclosed is a coaxial drive system with dual wheel-side motors for left and right wheels of a battery electric vehicle, including a first motor and a second motor located on two sides of a wheel hub. The first motor includes a motor housing and a reducer housing. A motor rotating shaft is arranged in the motor housing. A reduction mechanism is arranged in the reducer housing. The motor rotating shaft is connected to the reduction mechanism. The reduction mechanism is connected to a wheel hub rotating shaft. The second motor has the same structure as the first motor, and a clutch mechanism is arranged between a reduction mechanism and a wheel hub rotating shaft in the second motor.



21: 2026/01903. 22: 2026/02/16. 43: 2026/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DAHAKE, Sujal Gajanan, LOHOTE, Yash Anand, GORIVALE, Aswad Dipak, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, CHITRE, Abhijit Vijaykumar
54: A RASPBERRY PI ENABLED SMART SYSTEM FOR MONITORING EXCESSIVE SOUND LEVELS IN DECIBELS
00: -
The present invention is related to a Raspberry Pi enabled smart system for monitoring excessive sound levels in decibels, provides an intelligent, real-time solution for monitoring, analyzing, and controlling noise in various environments. The system integrates a Raspberry Pi microcontroller with both analog and digital microphones to accurately measure sound intensity, while a relay module enables automatic control of sound sources when predefined thresholds are exceeded. Immediate local alerts are provided through buzzers, LEDs, and an OLED display, while real-time data is transmitted to cloud-based IoT platforms for remote monitoring, visualization, and historical analysis. A

dual-microphone setup allows automatic calibration to improve measurement accuracy, and the system computes cumulative sound exposure for compliance tracking. Scalable deployment enables multiple units to form a distributed wireless sensor network for large-area noise mapping with potential GPS-based localization. This integrated approach combines real-time sensing, automated control, cloud monitoring, and data analytics, offering a comprehensive solution for industrial, educational, and public safety applications.

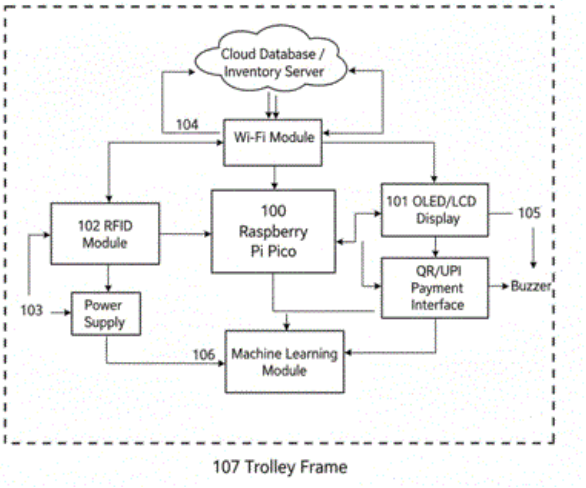


21: 2026/01904. 22: 2026/02/16. 43: 2026/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SANAP, Amruta Sharad, TRIGUNEE, Himanshu Mahendrakumarm, PATIL, Sneha Snadeep, GULBHELE, Gayatri Sunil, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, GHULE, Gauri Vaijukumar

54: AN RFID AND RASPBERRY PI PICO BASED TROLLEY FOR AUTOMATED BILLING AND FOOD NUTRITION DISPLAY

00: -

The present invention is related to an RFID and Raspberry Pi Pico based trolley for automated billing and food nutrition display. The present invention represents an intelligent smart trolley system for automated billing and displaying of nutritional information using RFID and Raspberry Pi Pico. Each product will have an RFID tag that will be detected by the RFID reader connected to the trolley. This system retrieves product details, calculates calories, sugar, fat, and protein using Machine Learning algorithms in a runtime environment and displays the overall bill on an OLED screen. It has a buzzer for unauthorized items in the trolley, Wi-Fi connectivity for cloud synchronization, and payment through QR/UPI displayed on the trolley screen. The present invention improves efficiency in retail sectors by reducing manpower and developing health-oriented smart shopping.



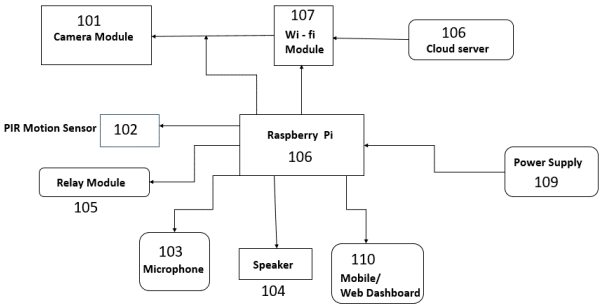
21: 2026/01905. 22: 2026/02/16. 43: 2026/10/13
51: G06T
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: THAKKAR, Vrushti, PAWAR, Yash, UMAP, Himanshu, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, HABBU, Shraddha Kiran

54: A FACE RECOGNITION-BASED SMART HOME AUTOMATION SYSTEM USING RASPBERRY PI

00: -

The present invention is related to a face recognition-based smart home automation system using Raspberry Pi. The invention offers a smart visitor monitoring and security system that leverages the Internet of Things to improve safety at home or the workplace through an intelligent automation approach to safety. The system features face detection, face recognition with liveness checking, multi-sensor fusion, and affordable IoT hardware platforms like the Raspberry Pi. When an individual arrives at the entry point of the property, the passive infrared (PIR) sensor detects movement, activating the camera to take a photo of video and audio recording. Both the recorded video and audio is processed locally on the hardware using AI for quick identification, while simultaneously uploading the recorded data to the cloud. This allows the recorded

video and audio data to be kept safely in the cloud for reporting, storage and/or analytic use. The property owner will receive an immediate multimedia alert (message, photo, video) to their mobile phone or web-based application, allowing either verbal communication with the visitor or the option to remotely unlock the door if they so choose. The invention is a secure, intelligent and efficient approach to provide a harmonized overall solution that exceeds conventional CCTV and video doorbell systems through the use of edge-cloud hybrid processing, end-to-end data encryption and low-cost scalable design.

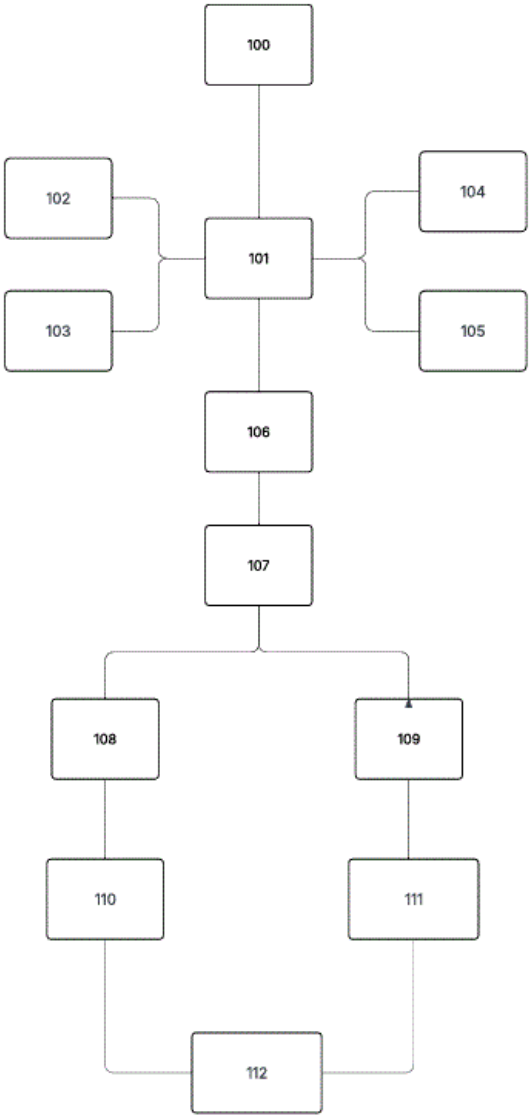


21: 2026/01906. 22: 2026/02/16. 43: 2026/10/13
51: G05B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WALE, Aryan Ranjit, PATIL, Pragati Shidarayagouda, PATIL, Rajas Prashant, ZOD, Sumeet Prakash, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, HABBU, Shraddha Kiran

54: AN IOT-BASED EMS WORKSTATION SAFETY AND PRODUCTIVITY MONITORING SYSTEM

00: -

The present invention is related to an IoT-based EMS workstation safety and productivity monitoring system. The invention is an IoT-based smart workstation monitoring system designed to enhance both safety and productivity in industrial environments, particularly electronics manufacturing. It integrates environmental sensors, wearable devices and current sensors. A central gateway performs edge-based machine learning to detect anomalies and hazardous conditions in real time, triggering immediate alerts or safety actions, while simultaneously transmitting processed data to a cloud platform for dashboards, reporting, and productivity analysis. By combining multi-modal sensing, automated safety intervention, and low-cost hardware, the system provides a comprehensive, real-time solution for safer and more efficient manufacturing operations.

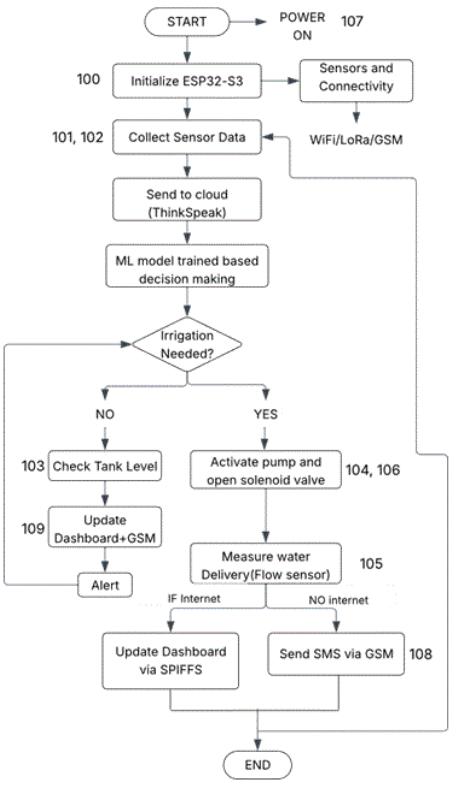


21: 2026/01907. 22: 2026/02/16. 43: 2026/10/13
51: E02B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SURYAVANSHI, Atharva Santosh, DESAI, Rajlakshmi Nilesh, NALAWADE, Samiksha Shailesh, KULKARNI, Manas Girish, JOSHI, Atharva Rajendra, MASLEKAR, Atharva Vinayak, GAWANDE, Pravin Ganpatrao, RAUT, Ketan Janraoji

54: AN IOT-ENABLED HYBRID ADAPTIVE IRRIGATION SYSTEM

00: -

The present invention is related to an IoT-enabled hybrid adaptive irrigation system. The present invention discloses a system for smart irrigation designed for rural agricultural environments. The system integrates an ESP32-S3 microcontroller with sensors for soil moisture, temperature, humidity, water flow, and tank water level. A key novelty is its hybrid communication framework utilizing Wi-Fi for short distances, LoRa for long distances, and GSM for offline SMS alerts, ensuring robust connectivity. Data is stored on a cloud platform to train a Random Forest machine learning model that provides adaptive, predictive irrigation decisions. The system's actuation module includes a pump and a solenoid valve that acts as an electronic tap to prevent leakage. It further features a locally hosted, multilingual dashboard for user interaction and selection between automatic and manual control modes, enhancing usability and control.



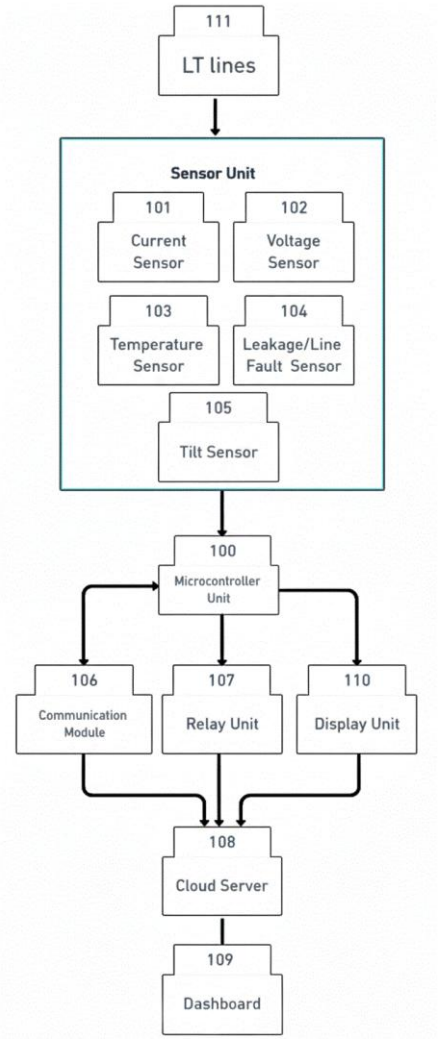
21: 2026/01908. 22: 2026/02/16. 43: 2026/10/13
51: G01R

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHINCHOLKAR, Manasvi Ashok, MHASKE, Mayur, CHAVHAN, Sameer, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, HABBU, Shraddha Kiran

54: A FAULT DETECTION AND AUTOMATIC ISOLATION SYSTEM FOR LT POWER LINES

00: -

The present invention is related to a fault detection and automatic isolation system for LT power lines. Low-tension power line monitoring can be done automatically and in real time with the help of the Internet of Things-based LT line monitoring system. The system identifies faults, overloads, and environmental risks on transmission lines by combining sensors, microcontrollers, and communication modules. The data is then sent to a central monitoring platform. Predictive maintenance, quick fault resolution, and improved energy distribution efficiency are made possible by this. The innovation increases power distribution networks' dependability, decreases downtime, and lessens the need for manual inspections. Because of its versatility, it may be used in smart grids, industrial facilities, and distant power infrastructure, providing contemporary electrical utilities with an affordable and expandable option.

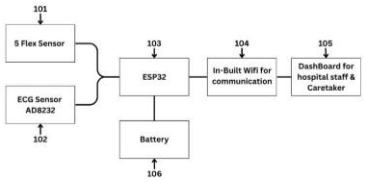


21: 2026/01940. 22: 2026/02/17. 43: 2026/10/13
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NIKAM, Kunal Keshav, SONAWANE, Tushar Ramdas, DEOKAR, Parth Govind, GAWANDE, Pravin Ganpatrao, RAUT, Ketan Janraoji, KULKARNI, Shailesh Vasudeorao, JADHAV, Tushar Ramhari, INGLE, Anup Wasudevrao

54: A SMART WEARABLE COMMUNICATION DEVICE FOR BEDRIDDEN AND PARALYZED PATIENTS

00: -

The present invention is related to a smart wearable communication device for bedridden and paralyzed patients. The invention is designed to assist bedridden or paralyzed patients in communicating and monitoring their health conditions through simple hand gestures. The device integrates flex sensors on each finger to detect specific gestures and translate them into commands such as calling for help or controlling connected devices. An ECG sensor continuously monitors the patient's heart rate and detects abnormalities, while a haptic feedback motor provides vibration alerts for confirmation or medical warnings. All data and commands are transmitted wirelessly via Bluetooth to a caregiver's application or monitoring system, ensuring quick response and improved patient safety. This invention combines gesture control, health monitoring, and feedback mechanisms in a single cost-effective wearable device, enhancing the quality of care and independence for patients with limited mobility.



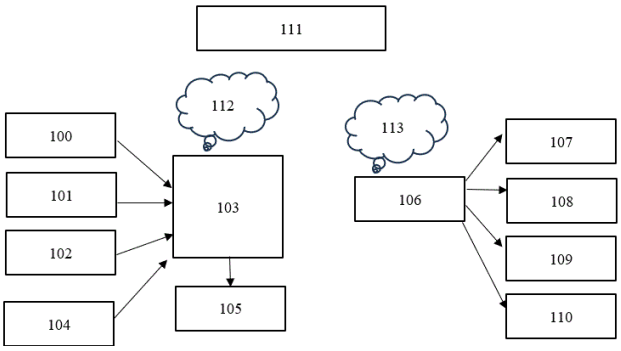
21: 2026/01941. 22: 2026/02/17. 43: 2026/10/13
51: A01M
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHORMALE, Aboli Surayakant, SHABADI, Shryasjh Shankarappa, PANGARKAR, Akshay Pandurang, BIRADAR, Dhanashree Uttam, GAWANDE, Pravin Ganpatrao, JADHAV, Tushar Ramhari, INGLE, Anup Wasudevrao

54: A MONITORING SYSTEM FOR AUTOMATED PEST DETECTION AND WATER LEVEL MANAGEMENT

00: -

The present invention is related to a monitoring system for automated pest detection and water level management. The invention discloses an IoT-enabled multi-sensor intelligent filter monitoring system designed for automated water filtration management and detection of biological contamination. The system integrates ultrasonic sensors for water level measurement and detection of floating objects, PIR motion sensors for identifying biological intrusions, and camera modules for visual real pest detection. Sensor data is processed by an ESP32-CAM microcontroller, which applies advance real time image processing and environmental compensation techniques to provide real-time alerts, predictive maintenance guidance, and remote monitoring via wireless connectivity. This approach

improves filter reliability, minimizes demands, and maintains consistent water quality across municipal, industrial, aquaculture, residential, and laboratory applications. The system is scalable, adaptable to different filter sizes, and designed for continuous operation in challenging environmental conditions, providing a comprehensive solution for proactive water quality management and enhances operational efficiency.

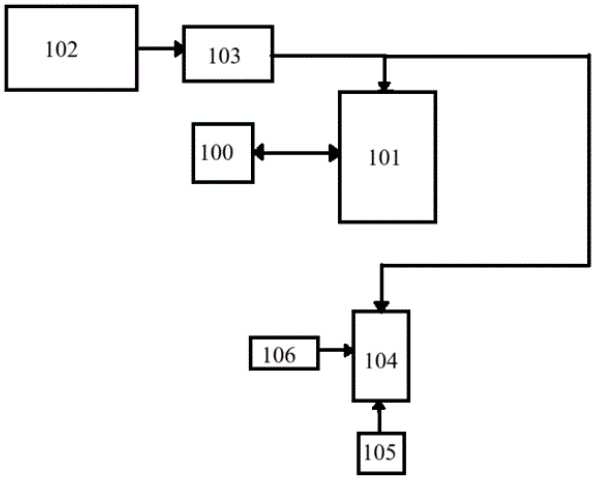


21: 2026/01942. 22: 2026/02/17. 43: 2026/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PHALLE, Rutuja Sachin, UDAWANT, Mansi Manoj, KHARCHE, Mokshada Vaibhav, RENKE, Vaishnavi Sunil, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, CHAVHAN, Gajanan Himmatrao

54: AN IOT-BASED ENERGY METER FOR ELECTRICAL THEFT DETECTION AND ENSURE SAFETY OF INDIVIDUALS AND ELECTRICAL APPLIANCES

00: -

The present invention is related to an IoT-based energy meter for electrical theft detection and ensure safety of individuals and electrical appliances. The invention is an IoT based system designed to automate the electrical energy sector and provide safety through real time responses and alerts. Using ESP32 devkit and ESP01s Wi-Fi module co-processor including various sensors the invention provides responsive safety by monitoring earthing pit condition sending a signal to ESP01s module through that signal will be sent to ESP32 devkit via Wi-Fi connection between two processors the user will get notified through website and ESP32 module integration. The integrated Wi-Fi connectivity enables user to receive immediate notifications on their devices, allowing them to monitor the safety status. The invention simplifies electrical theft detection, improving safety and offering users peace of mind with real time access to electrical parameters.



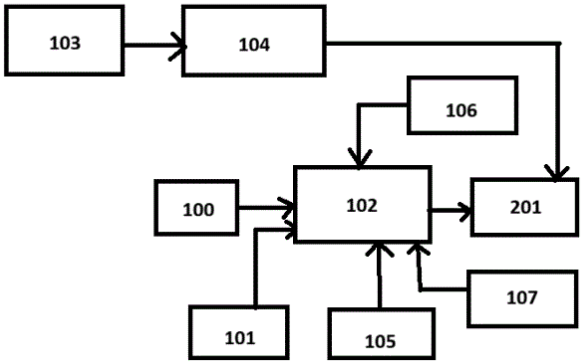
21: 2026/01943. 22: 2026/02/17. 43: 2026/10/13
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SHAH, Jeenali, AUTE, Revati Tushar, VANJARI, Parin Nitin, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, DESHPANDE, Pallavi Devendra, MATHURKAR, Piyush Kiranrao

54: A WEARABLE HEALTH AND SAFETY MONITORING SYSTEMS FOR FALL DETECTION AND EMERGENCY ALERT FUNCTIONALITY

00: -

The present invention is related to a wearable health and safety monitoring systems for fall detection and emergency alert functionality. The present invention relates to a smart IoT-enabled wearable fall detection and emergency alert system designed to enhance personal safety and provide real-time intervention in case of accidental falls or sudden emergencies. The system integrates an Arduino Nano 33 IoT microcontroller with inertial sensors accelerometer and gyroscope to continuously monitor the wearer's motion and detect abnormal activities. Upon detecting a fall, the system immediately triggers an audible alert and sends real-time notifications to a connected smartphone, caregiver dashboard, or cloud platform using Bluetooth Low Energy (BLE) and optional Wi-Fi connectivity. The system also includes a manual emergency button and an optional voice-assist

feature, allowing proactive or hands-free alert activation. With intelligent motion sensing, multi-modal notifications, energy-efficient operation, and a compact wearable form factor, the invention provides a reliable, scalable, and user-friendly solution for elderly care, personal safety, occupational health, and tele-assistance applications, ensuring rapid response, reduced risk of injury, and enhanced autonomy for users.

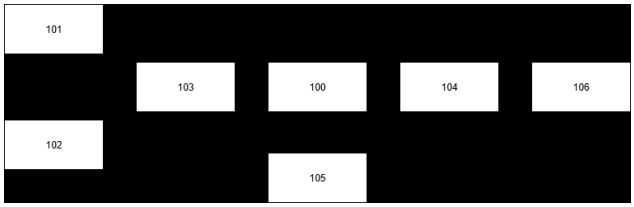


21: 2026/01944. 22: 2026/02/17. 43: 2026/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KULKARNI, Arnav Vinayak, RAJU, Rohan, DESHPANDE, Atharva Vishwas, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, DESHPANDE, Pallavi Devendra, MATHURKAR, Piyush Kiranrao

54: A RASPBERRY PI-POWERED IOT SYSTEM FOR COMPUTING IN REAL-TIME ENVIRONMENTAL MONITORING

00: -

The present invention is related to a Raspberry Pi-powered IoT system for computing in real-time environmental monitoring. This invention describes an IoT-based real-time weather station built around the Raspberry Pi 4B Single Board Computer (SBC). The system integrates a cost-effective, high-precision sensor array, including I2C digital sensors (e.g., BME280) and specialized analog peripherals connected via an SPI-based Analog-to-Digital Converter (MCP3008), to measure key environmental parameters. The inventive feature is the utilization of the Raspberry Pi 4B's substantial computational power for Edge Computing, enabling localized data validation, sensor fusion, and real-time anomaly detection. This architecture significantly improves data quality, reduces network latency to sub-second response times for critical alerts, and lowers bandwidth costs compared to cloud-dependent prior art. The system incorporates a hybrid communication module (Wi-Fi/Lora WAN) and an autonomous power management system, ensuring reliable, low-cost deployment for applications in agriculture, smart cities, and disaster management.



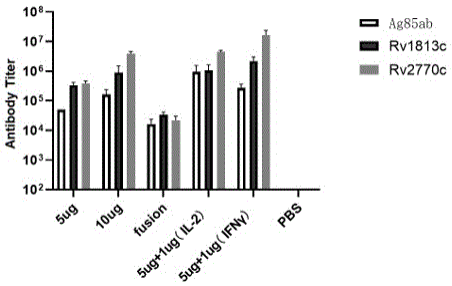
21: 2026/01946. 22: 2026/02/17. 43: 2026/10/13
51: C07K; C12N; A61P
71: SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., BEIJING RHEGEN BIOTECHNOLOGY CO.,LTD.
72: ZHANG, Hao, LI, Yafei, TANG, Zan, XU, Lianqiang, YUAN, Xincheng, HU, Yong
33: CN 31: 202411677755.5 32: 2024-11-21

54: MRNA PHARMACEUTICAL COMPOSITION FOR PREVENTION AND TREATMENT OF TUBERCULOSIS AND USE THEREOF

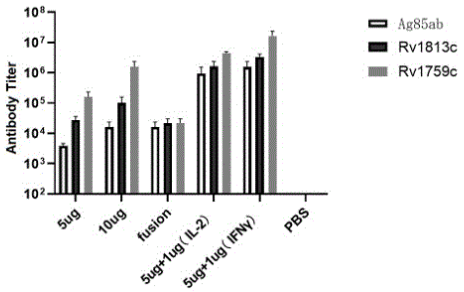
00: -

The present disclosure relates to an mRNA pharmaceutical composition for prevention and treatment of tuberculosis and uses thereof. The mRNA pharmaceutical composition comprises: an mRNA molecule encoding a Mycobacterium tuberculosis antigen, and a pharmaceutically acceptable excipient; wherein the Mycobacterium tuberculosis antigen comprises: at least one early secreted antigen from Mycobacterium tuberculosis or an immunologically active fragment thereof; at least one PE/PPE family protein antigen from Mycobacterium tuberculosis or an immunologically active fragment thereof; and at least one latency-associated antigen from Mycobacterium tuberculosis or an immunologically active fragment thereof; wherein the mRNA pharmaceutical composition further comprises or does not comprises a cytokine-encoding mRNA molecule. The pharmaceutical composition is for use in the preparation of a tuberculosis vaccine. The vaccine may be used as a prophylactic vaccine to prevent reactivation of latent

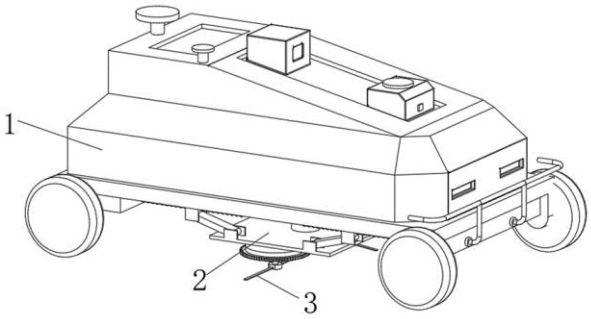
infection, and may also be used as a therapeutic agent for treating diseases associated with active tuberculosis. The vaccine exhibits significant inhibitory activity against Mycobacterium tuberculosis.



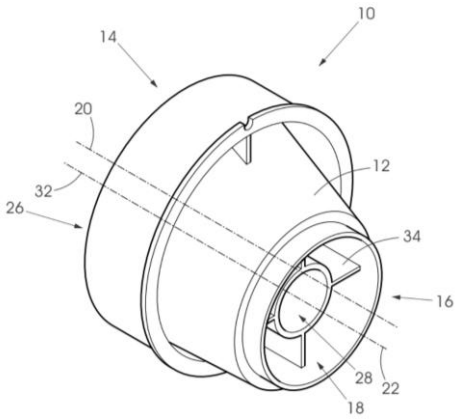
21: 2026/01947. 22: 2026/02/17. 43: 2026/10/13
51:
71: SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., BEIJING RHEGEN BIOTECHNOLOGY CO.,LTD.
72: ZHANG, Hao, LI, Yafei, TANG, Zan, XU, Lianqiang, YUAN, Xincheng, HU, Yong
33: CN 31: 202411678196.X. 32: 2024-11-21
54: MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF
00: -
The present invention relates to an mRNA pharmaceutical composition for the prevention and treatment of tuberculosis and uses thereof. The mRNA pharmaceutical composition comprises: an mRNA molecule encoding a Mycobacterium tuberculosis antigen, and a pharmaceutically acceptable excipient; the Mycobacterium tuberculosis antigen comprises the following antigenic components: at least one Mycobacterium tuberculosis early secreted antigen or an immunologically active fragment thereof; Mycobacterium tuberculosis PE/PPE family antigen WAG22 or an immunologically active fragment thereof; and at least one Mycobacterium tuberculosis latency-associated antigen or an immunologically active fragment thereof; the mRNA pharmaceutical composition either comprises no mRNA molecules encoding cytokines or further comprises cytokine-encoding mRNA molecules; The pharmaceutical composition described herein is for use in the preparation of a tuberculosis vaccine. The vaccine may be used as a prophylactic vaccine to prevent reactivation of latent infection, and may also be used as a therapeutic agent for treating diseases associated with active tuberculosis. The vaccine exhibits significant inhibitory activity against Mycobacterium tuberculosis.



21: 2026/01976. 22: 2026/02/18. 43: 2026/10/13
51: B23F
71: JINHUA UNIVERSITY OF VOCATIONAL TECHNOLOGY
72: ZHANG Zhengzhong, WANG Zhiming, XIONG Yongsen, ZHU Youshuai
54: A LAWNMOWER ROBOT WITH EASILY REPLACEABLE BLADES
00: -
This invention discloses a lawnmower robot with easily replaceable blades, relating to the field of lawnmower robot technology. It includes a robot body with an adjustment component fixedly connected to its bottom. A lawnmower component is located at the bottom of the adjustment component. The lawnmower component includes a second motor, the output end of which is fixedly connected to a first gear. This lawnmower robot, with its easily replaceable blades, allows the second motor to rotate, which in turn drives the first gear to rotate. The first gear then drives the second gear to rotate, which in turn drives a fixed sleeve to rotate. This, in turn, allows the fixed sleeve to rotate the blades on a fixed shaft for lawnmower operations. Furthermore, by removing the fixing bolt from the bolt sleeve and by tightening the fixed shaft, the mounting screw on the fixed shaft can be rotated out of the fixed sleeve, facilitating quick and easy disassembly and installation of the blades, meeting the needs of everyday use.

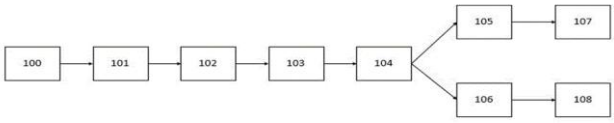


21: 2026/01978. 22: 2026/02/18. 43: 2026/10/13
51: E04H
71: BEAUCHAMP, Siobhan
72: BEAUCHAMP, Siobhan
54: FLOW CONDITIONER
00: -
A pump assembly including a flow conditioner which includes a first tubular body with an entry end and an exit end, and a plurality of parallel flow passages between the entry end and the exit end, and wherein the first tubular body is tapered from the entry end to the exit end.



21: 2026/01979. 22: 2026/02/18. 43: 2026/10/13
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KHEDEKAR, Lokesh, KIRAD, Gururaj Vinayak, KOHADE, Hemendru Satish, KOLPAKWAR, Shrawan Sunil, GOTTIPATTI, Kirti Gangadhar, KOSANDAR, Riya Uday, KOLTE, Rushikesh
54: A MACHINE LEARNING BASED SYSTEM FOR POSTPARTUM DEPRESSION RISK DETECTION AND PREVENTIVE CARE
00: -
The present invention is related to a machine learning based system for postpartum depression risk detection and preventive care. This invention is an AI-powered system that predicts the risk of postpartum depression (PPD) by studying at a wide range of clinical and behavioral data. It uses supervised learning models like Random Forest and Logistic Regression, and pulls off an impressive accuracy—over 99%. That means one can actually trust the results. The system also highlights the most important factors, like hormone levels, how much sleep someone gets, and their stress levels—things that really matter for a new mom's mental health. With this framework, healthcare providers can spot risks early, step in before problems get worse, and use it right in the clinic. It gives mothers better support during the postpartum period and helps them get the care they need, right when it matters most.

21: 2026/01980. 22: 2026/02/18. 43: 2026/10/13
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BARHATE, Minal, MAHALLE, Parikshit N, DONGRE, Ganesh, MORE, Kiran P, PADATE, Gargi Sitaram, PAGARIYA, Arham Paresh, PABALE, Viraj Sandip, PADHARIYA, Dev Tulsidas, PAME, Varun Vilas, PAME, Varad Vilas
54: AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR MULTI-CLASS SKIN DISEASE DETECTION AND ASSISTANCE
00: -
The present invention is related to an artificial intelligence based system for multi-class skin disease detection and assistance. The system integrates heterogeneous datasets, employs augmentation and class-weighting to address imbalance, and utilizes a deep CNN architecture, preferably DenseNet121, for classification. Predictions are deployed in real-time through a Flask web API and a TensorFlow Lite mobile application, achieving inference times under one second with model size below 7 MB. The invention provides disease detection, preliminary treatment guidance, and telemedicine integration, thereby enabling scalable, accessible, and efficient dermatological care, particularly in underserved regions.

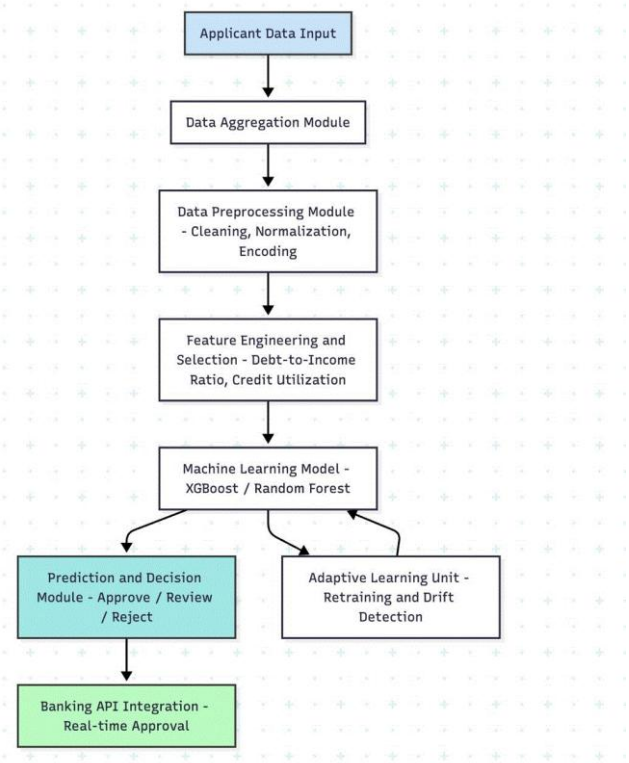


21: 2026/01981. 22: 2026/02/18. 43: 2026/10/13
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KHEDEKAR, Lokesh, JAIN, Vidisha, JAMADAR, Farhan, JANGLE, Kushal, JANI, Maharshi, JANGIRA, Jaskaran Singh, JAWANJAL, Rushikesh

54: AN AUTOMATED LOAN APPROVAL SYSTEM USING PREDICTIVE MACHINE LEARNING AND ADAPTIVE RISK ASSESSMENT FRAMEWORK

00: -

The present invention is related to an automated loan approval system using predictive machine learning and adaptive risk assessment framework. The invention features an automated loan approval system that incorporates machine learning and predictive analysis to evaluate the creditworthiness of an applicant. The system gathers and cleans financial and demographic data, then it applies models such as XGBoost to make accurate predictions. Finally, it assigns a label to the applicant from Approve, Review, or Reject classes. The model gets updated by an adaptive learning feature from time to time, and SHAP/LIME techniques are used for giving explanations. By integration with banking APIs, the method provides loans to be approved in a real-time manner that is just, and efficient with a minimum of human intervention.



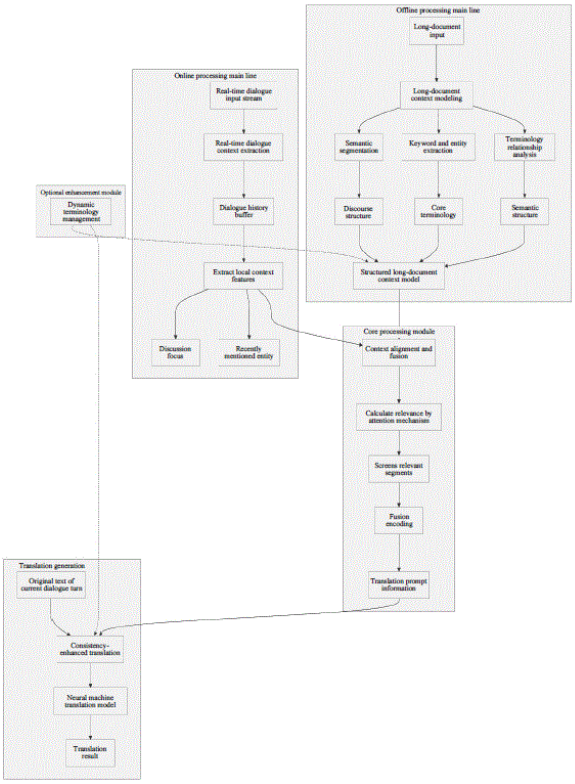
21: 2026/01982. 22: 2026/02/18. 43: 2026/10/13
51: G06F
71: Xinyu University
72: Juan PENG, Ying LIN, Yingdi XI, Li LI, Yangbo WU

54: METHOD FOR ENSURING CONTEXTUAL CONSISTENCY BETWEEN LONG DOCUMENT TRANSLATION AND REAL-TIME DIALOGUE TRANSLATION

00: -

Disclosed in the present disclosure is a method for ensuring contextual consistency between a long document translation and a real-time dialogue translation. The method includes: first, performing semantic analysis and structured modeling on an input long document to generate a structured context model containing a discourse structure, core terminologies and a semantic structure thereof; during a real-time dialogue, extracting local context features including a discussion focus and recent entities; calculating the relevance between the structured context model and the local context features through an attention mechanism, dynamically selecting and fusing relevant long-document segments to generate translation prompt information with a consistent context; and finally, generating, by a translation engine based on the

prompt information, dialogue translations that maintain high consistency with the long-document background and terminology. The present disclosure effectively solves the problem of context fragmentation in cross-session translation, significantly improving translation consistency and accuracy.

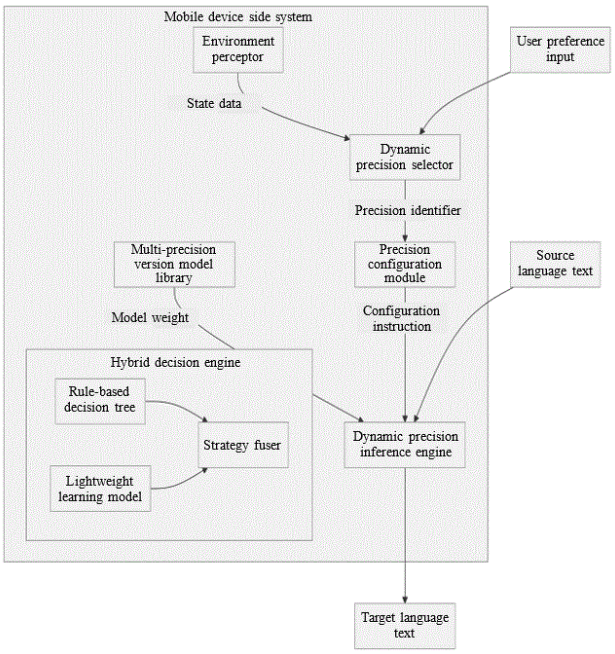


21: 2026/01983. 22: 2026/02/18. 43: 2026/10/13
51: G06N
71: Xinyu University
72: Li LI, Yingdi XI, Ying LIN, Juan PENG, Yangbo WU

54: METHOD FOR OPERATING DYNAMIC-PRECISION NEURAL TRANSLATION MODEL FOR MOBILE DEVICE, AND SYSTEM

00: -

Disclosed are a method for operating a dynamic-precision neural translation model for a mobile device, and a system. The method includes: monitoring a hardware operating state at a mobile device side in real time; determining a recommended computational precision level based on state data and a user-defined translation preference mode through a dynamic precision decision algorithm; judging and executing a precision switching operation, and loading a corresponding model from a pre-stored multi-precision version model library and updating an inference engine; and using a configured engine to perform translation inference at a recommended precision. The system includes an environment perception module, a model storage module, a dynamic decision module, and a configuration and execution module. By dynamically adjusting a model computation precision, the present disclosure effectively balances translation quality, a response speed, and device energy consumption, achieves adaptive optimization of translation services at a mobile terminal in changing environments, and improves both user experience and a device resource utilization rate.



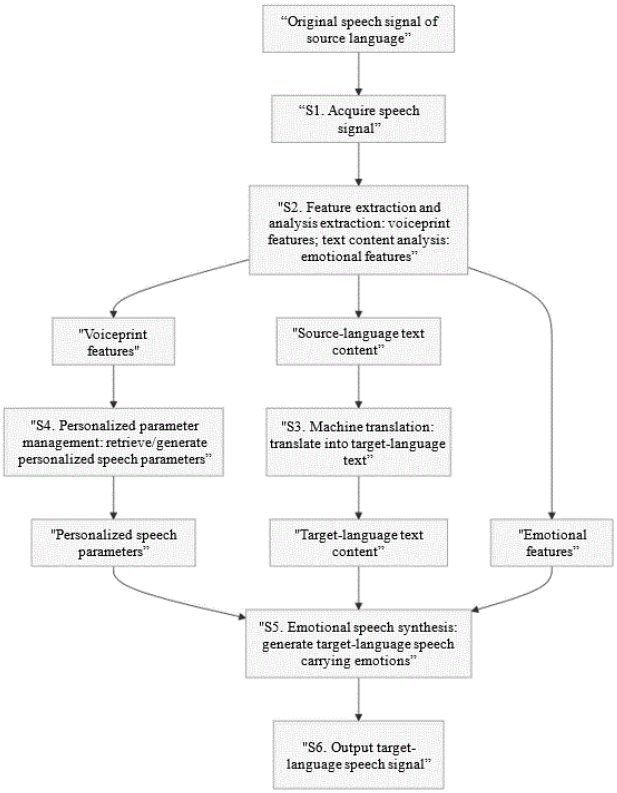
21: 2026/01984. 22: 2026/02/18. 43: 2026/10/13
51: G06F
71: Xinyu University
72: Ying LIN, Juan PENG, Li LI, Yingdi XI, Yangbo WU

54: METHOD AND SYSTEM FOR PERSONALIZED EMOTIONAL REPRODUCTION IN SPEECH TRANSLATION BASED ON VOICEPRINT RECOGNITION

00: -

Disclosed in the present disclosure are a method and system for personalized emotional reproduction in speech translation based on voiceprint recognition. The method includes: acquiring an original speech signal of a source language;

extracting voiceprint features and source-language text content therefrom, and obtaining emotional features based on multimodal fusion analysis; translating the text content into a target-language text; retrieving or generating personalized speech parameters based on the voiceprint features; and finally, adapting the emotional features through a cross-lingual emotion mapping network, and combining the personalized speech parameters with the target-language text to synthesize and output a target-language speech signal carrying emotional information by means of neural speech synthesis. The system includes a corresponding input module, feature extraction and analysis module, machine translation module, personalized parameter management module, and emotional speech synthesis module. The present disclosure solves the problem of loss of speaker individuality and emotion in conventional speech translation, and achieves high-fidelity reproduction of voice features and emotional states in cross-lingual communication, significantly enhancing the naturalness and expressiveness of speech translation.

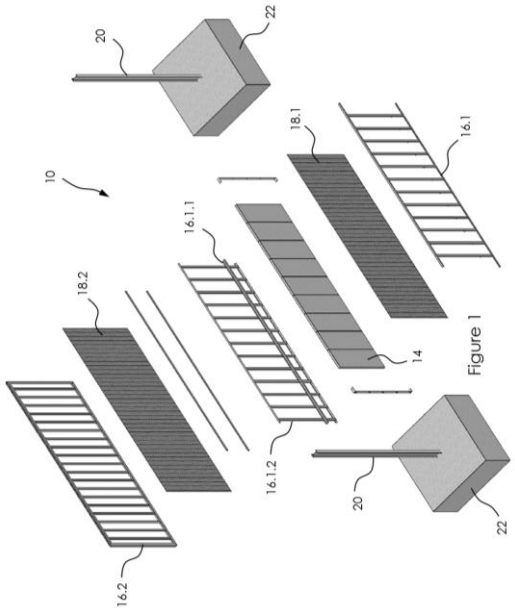


21: 2026/01985. 22: 2026/02/18. 43: 2026/10/13
51: E04B; E04C; G01H; G08B
71: Conrite Group Holdings (Pty) Ltd
72: SPEIRS, Michael

54: FENCE PANEL WITH HIGH HARDNESS CAGE STRUCTURE

00: -

The invention relates to a fence panel 10 that has a modular structure comprised of initially discrete panel sections 12, one of which (12.1) has a planar opaque structural infill element 14 that has ballistic-resistant capabilities. The first discrete panel section 12.1 has a substantially planar frame 16.1, a security cage configured to retain the infill element 14, a water-permeable base 18.1.1 and a high-visibility, high-security mesh sheet 18.1 secured to the frame 16.1. The security cage includes a plurality of spaced apart vertical bars 16.1.2. To resist cutting and mechanical breach, the bars are hollow tubular bars filled with a high-hardness security infill material, such as ceramic, sintered metal, or polymer matrix. The second discrete panel section 12.2 has its own substantially planar frame 16.2 and a high-visibility, high-security mesh sheet 18.2 secured to the frame 16.2.



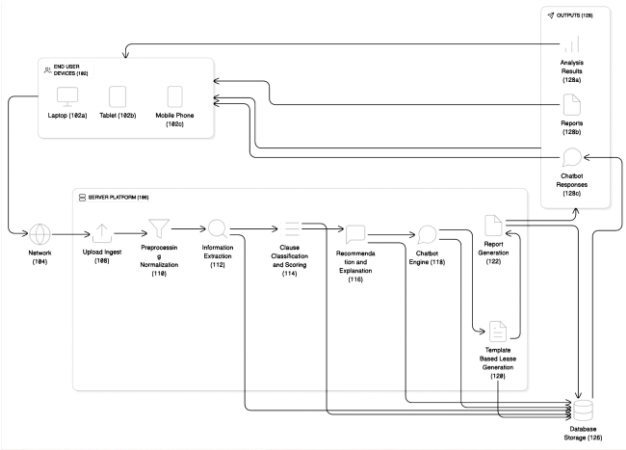
21: 2026/02023. 22: 2026/02/19. 43: 2026/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: PANDEY, Vanshika Nimesh, BHARAMBE, Dnyanesh Mahendra, DHAMALE, Divyanka Devram, DHADAVE, Adwait, SHARMA, Nakul, MATE, Anuja

54: AN NLP-BASED SYSTEM FOR PREPARATION AND ANALYSIS OF RENTAL AGREEMENTS

00: -

The present invention is related to an NLP-based system for preparation and analysis of rental agreements. The system processes rental agreements, extracts key clauses such as rent, deposit, duration, and termination, and classifies them as favourable, neutral, or unfavourable with risk scores. An aggregated recommendation score with explanations is generated, along with a chatbot that answers user queries based on the agreement in multiple languages. The system also supports template-based lease generation and tamper-evident reports containing highlighted clauses, scores, and an audit trail.



21: 2026/02024. 22: 2026/02/19. 43: 2026/10/13

51: A61B

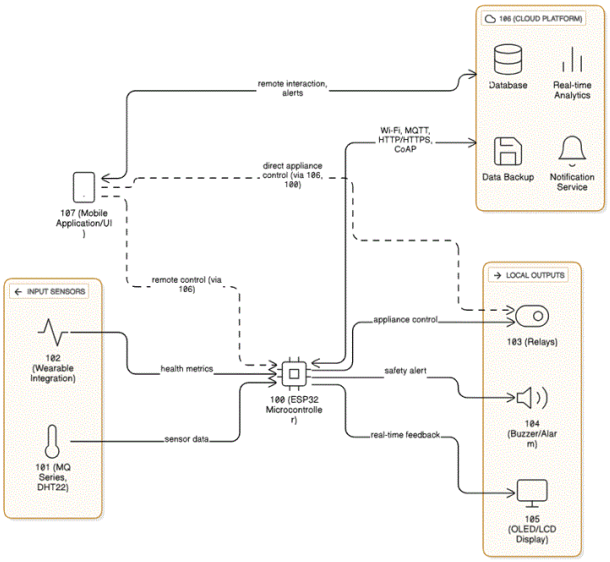
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: YAWATKAR, Kunal Suryabhan, MHATRE, Jeet Avinash, WAINKAR, Asmit Raju, DAS, Raj Vijay, SHELKE, Priya, SHARMA, Nakul, KALLAWAR, Prapti

54: AN IOT BASED SYSTEM FOR INTEGRATED HEALTH, SAFETY AND WELLNESS MONITORING IN SMART HOMES

00: -

The present invention is related to an IoT based system for integrated health, safety and wellness monitoring in smart homes. The invention discloses a smart home health and safety hub, an IoT-driven wellness system designed to create safer and healthier living environments. The system utilizes an ESP32 microcontroller connected to a suite of sensors to monitor critical environmental factors such as air quality, temperature, humidity, and hazardous gases. A key feature is its ability to integrate with wearable devices to track personal health metrics, including heart rate and sleep patterns. By processing this combined data, the system provides personalized wellness insights, triggers emergency alerts for dangerous conditions, and automatically controls appliances like air purifiers. The invention offers a comprehensive solution for remote monitoring and proactive well-being management, applicable to homes, elderly care centres, and healthcare facilities.



21: 2026/02025. 22: 2026/02/19. 43: 2026/10/13

51: A61F

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

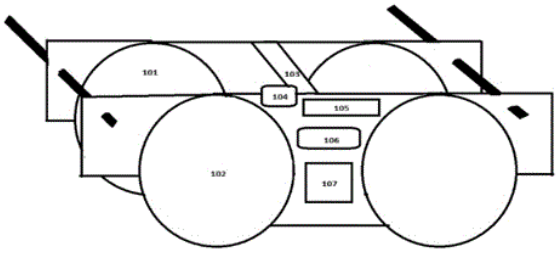
72: MANE, Tanuja Umesh, MHETRE, Shravani Nagesh, DESALE, Nakshatra Umesh, BADAKH, Sakshi Anil, SHARMA, Nakul, SHELKE, Priya, MATE, Anuja

54: AN IOT-INTEGRATED ADJUSTABLE GLASSES WITH AUTOMATIC FOCUS CORRECTION

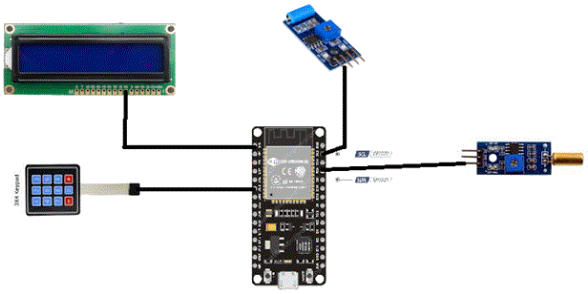
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The present invention is related to an IoT-integrated adjustable glasses with automatic focus correction. This invention is an IoT-enabled smart glasses featuring lenses that automatically adjust to offer smooth vision correction at various focal distances.

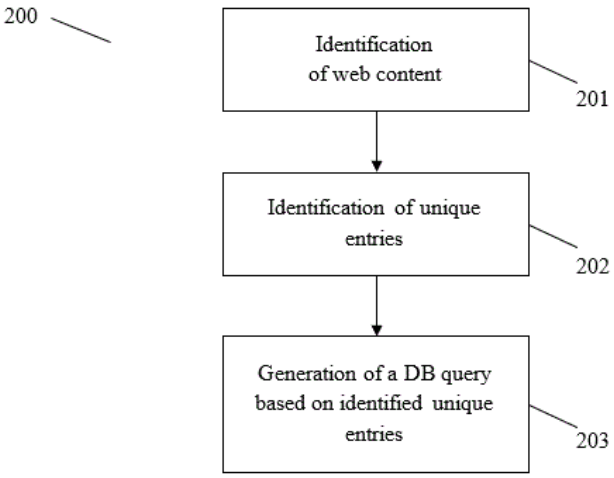
The glasses incorporate electronically adjustable lenses managed by an embedded microcontroller and IoT module, allowing real-time changes in optical power. A companion mobile application lets users personalize settings, set up profiles, and receive updates. By combining adaptive optics with IoT connectivity, this innovation removes the necessity for multiple pairs of glasses, lowers expenses, and improves convenience for people with diverse vision requirements, making it suitable for healthcare, education, and consumer sectors.



21: 2026/02026. 22: 2026/02/19. 43: 2026/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SAYYED, Asad, ZANWAR, Yash Rahul, WAGHMODE, Pradyumna, PURI, Eklavya, SHARMA, Nakul, DEDGAONKAR, Suruchi
54: A BLOCKCHAIN BASED SYSTEM FOR SECURE PACKAGE DELIVERY
00: -
The present invention is related to a blockchain based system for secure package delivery. This invention centers on a secure container featuring an OTP-based access control system to ensure authorized delivery and a smart lock that unlocks only with a valid OTP. During transit, the system facilitates real-time package tracking via GPS and a suite of sensors including IR, Tilt, and Vibration which actively monitor for tampering. The core of the framework's security is its use of Blockchain technology to immutably log all delivery and event data, including OTP usage, sensor readings, and GPS locations, thereby preventing data tampering. Every state change, from pickup to final delivery, is hashed and stored on this ledger, creating a transparent and tamper-proof record of the entire process. This synthesis of OTP-based control, real-time sensor monitoring, and secure Blockchain logging results in a robust, transparent, and highly secure system that validates and innovates upon existing solutions.

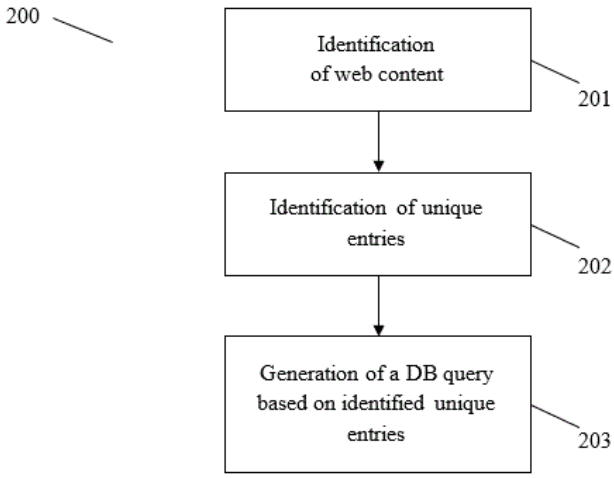


21: 2026/02027. 22: 2026/02/19. 43: 2026/10/13
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110710 32: 2025-04-24
54: SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS
00: -
The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource against the International Classification of Goods and Services (Nice Classification) stored in a database. The objective is to improve the accuracy of queries to the database that stores the Nice Classification based on automated analysis of items on an external resource. The objective is achieved by a method for generating a database query, which is performed by a processor of a computer device, based on web content analysis and extracting of embedded entries from the hierarchical structure of the analyzed web content.



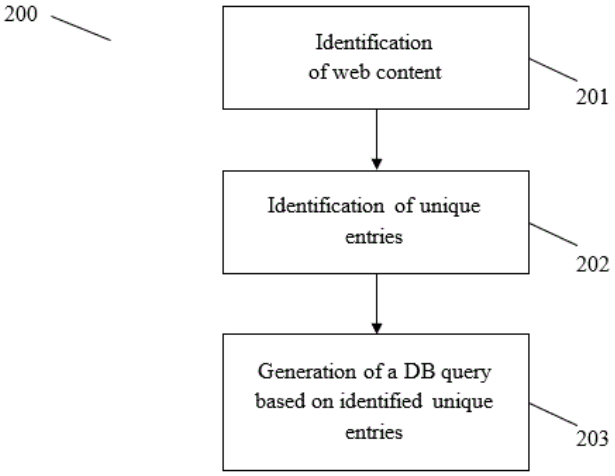
21: 2026/02029. 22: 2026/02/19. 43: 2026/10/13
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110709 32: 2025-04-24
54: SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS
00: -

The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource against the International Classification of Goods and Services (Nice Classification) stored in a database. The objective is to improve the accuracy of queries to the database that stores the Nice Classification based on automated analysis of items on an external resource. The objective is achieved by a method for generating a database query, which is performed by a processor of a computer device, based on web content analysis and extracting of embedded entries from the hierarchical structure of the analyzed web content.



21: 2026/02030. 22: 2026/02/19. 43: 2026/10/14
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110711 32: 2025-04-24
54: SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS
00: -

The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource against the International Classification of Goods and Services (Nice Classification) stored in a database. The objective is to improve the accuracy of queries to the database that stores the Nice Classification based on automated analysis of items on an external resource. The objective is achieved by a method for generating a database query, which is performed by a processor of a computer device, based on web content analysis and extracting of embedded entries from the hierarchical structure of the analyzed web content.

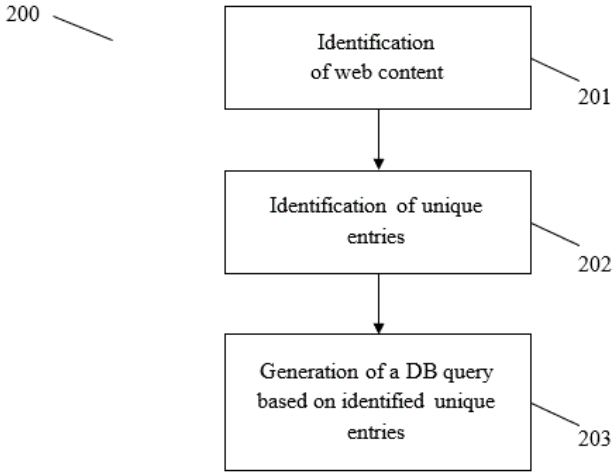


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51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110712 32: 2025-04-24

54: SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS

00: -

The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource against the International Classification of Goods and Services (Nice Classification) stored in a database. The objective is to improve the accuracy of queries to the database that stores the Nice Classification based on automated analysis of items on an external resource. The objective is achieved by a method for generating a database query, which is performed by a processor of a computer device, based on web content analysis and extracting of embedded entries from the hierarchical structure of the analyzed web content.

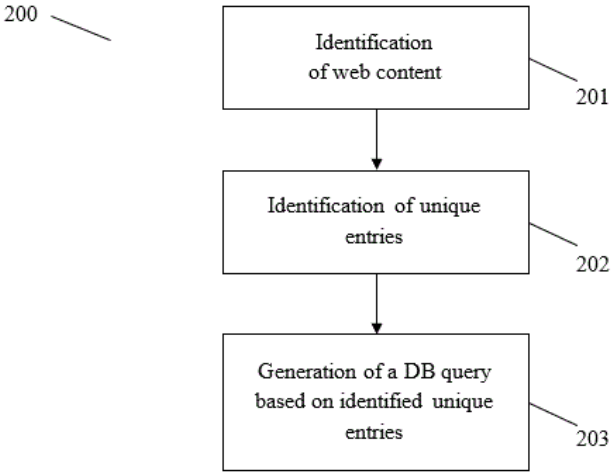


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51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110714 32: 2025-04-24

54: DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS

00: -

The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource against the International Classification of Goods and Services (Nice Classification) stored in a database. The objective is to improve the accuracy of queries to the database that stores the Nice Classification based on automated analysis of items on an external resource. The objective is achieved by a method for generating a database query, which is performed by a processor of a computer device, based on web content analysis and extracting of embedded entries from the hierarchical structure of the analyzed web content.

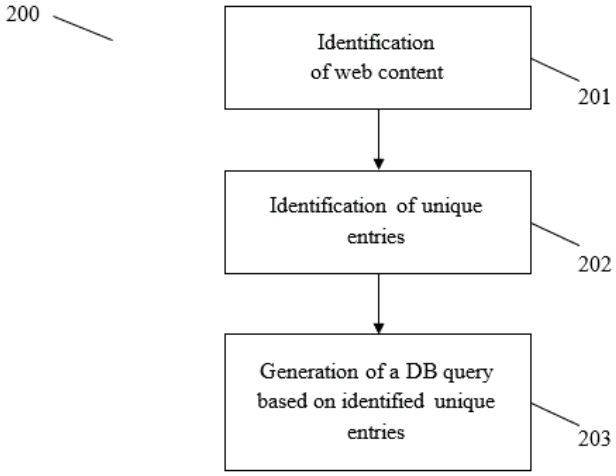


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51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110718 32: 2025-04-24

54: DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS USING GRAPHICAL USER INTERFACE

00: -

The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource against the International Classification of Goods and Services (Nice Classification) stored in a database. The objective is to improve the accuracy of queries to the database that stores the Nice Classification based on automated analysis of items on an external resource. The objective is achieved by a method for generating a database query, which is performed by a processor of a computer device, based on web content analysis and extracting of embedded entries from the hierarchical structure of the analyzed web content.



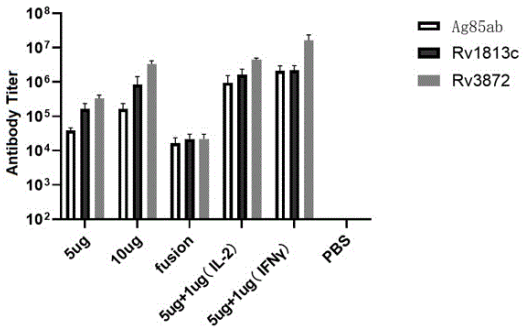
21: 2026/02036. 22: 2026/02/19. 43: 2026/10/16
51:
71: SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., BEIJING RHEGEN BIOTECHNOLOGY CO.,LTD.
72: ZHANG, Hao, LI, Yafei, TANG, Zan, XU, Lianqiang, YUAN, Xincheng, HU, Yong
33: CN 31: 202411679928.7 32: 2024-11-21

54: MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF

00: -

The present invention relates to an mRNA pharmaceutical composition for the prevention and treatment of tuberculosis and uses thereof. The mRNA pharmaceutical composition comprises: an mRNA molecule encoding a Mycobacterium tuberculosis antigen, and a pharmaceutically acceptable excipient; the Mycobacterium tuberculosis antigen comprises the following antigenic components: at least one Mycobacterium tuberculosis early secreted antigen or an immunologically active fragment thereof; Mycobacterium tuberculosis PE/PPE family antigen RV3872 or an immunologically active fragment thereof; and at least one Mycobacterium tuberculosis latency-associated antigen or an immunologically active fragment thereof; the mRNA pharmaceutical composition either comprises no mRNA molecules encoding cytokines or further comprises cytokine-encoding mRNA molecules; The pharmaceutical composition described herein is for use in the preparation of a tuberculosis vaccine. The vaccine may be used as a prophylactic vaccine to

prevent reactivation of latent infection, and may also be used as a therapeutic agent for treating diseases associated with active tuberculosis. The vaccine exhibits significant inhibitory activity against Mycobacterium tuberculosis.



21: 2026/02111. 22: 2026/02/20. 43: 2026/10/15
51: A61K; A61P
71: GIE, Christo
72: GIE, Christo
33: ZA 31: 2023/04567 32: 2023-04-20

54: ANTI-INFLAMMATORY, ANALGESIC AND ANTIPYRETIC SUPPOSITORY

00: -

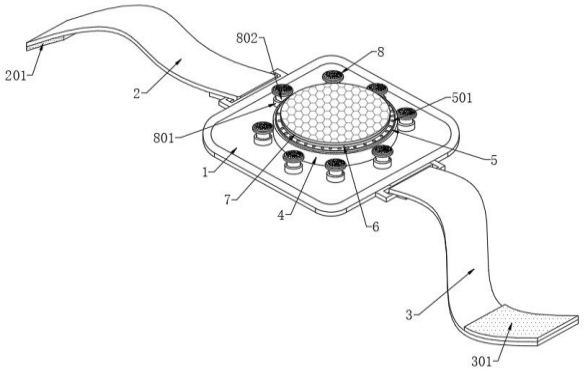
A pharmaceutical suppository composition comprising a suppository base; at least one non-steroidal anti-inflammatory drug of a predetermined dosage; and at least one analgesic, antipyretic drug of a predetermined dosage. The suppository composition provides for the coordinated release of the non-steroidal anti-inflammatory drug and the analgesic, antipyretic drug, effectively reducing the required drug dosage of at least one of the drugs or the required number of dosages of at least one of the drugs during a treatment period for a predetermined condition of a patient while maximizing the anti-inflammatory, analgesic or antipyretic effect or minimizing the adverse reaction to at least one of the drugs in the patient.

21: 2026/02182. 22: 2026/02/24. 43: 2026/10/14
51: A61K
71: THE AFFILIATED HOSPITAL TO CHANGCHUN UNIVERSITY OF CHINESE MEDICINE
72: Chen Hao, Wang Jiankang, Wu Liying, Wang Yiqiang

54: A CHINESE HERBAL ACUPOINT PATCH FOR PREVENTING SKIN INJURY AND ITS PREPARATION METHOD

00: -

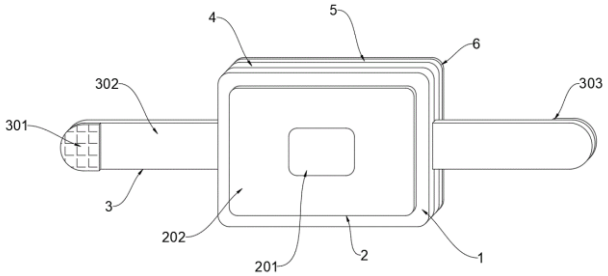
This invention discloses a skin-friendly Chinese herbal acupoint patch and its manufacturing method, pertaining to the technical field of herbal acupoint patches. The device comprises a base patch, elastic straps, and positioning straps. Both sides of the base patch are connected to elastic straps and positioning straps via snap fasteners. The bottom of the elastic strap is attached with a Velcro fastener, while the top of the positioning strap is secured with another Velcro fastener. The top of the base patch features an acupoint patch designed with a double-layer nested structure, where the outer layer is a medical-grade polypropylene medicine tube. The acupoint patch adopts a double-layer nested design, with the outer layer being a medical-grade polypropylene medicine tube and the inner layer containing a porous, breathable herbal package. The breathable herbal package contains Danshen (Salvia miltiorrhiza), Chuanxiong (Ligusticum chuanxiong), and Honghua (Carthamus tinctorius) as the principal herbs, with trace amounts of Borneol as an adjuvant herb. This formulation promotes blood circulation and resolves stasis, thereby improving coronary circulation, which is significant for treating coronary heart disease. The addition of trace Borneol further moderates the overall medicinal properties, reducing skin irritation.



21: 2026/02183. 22: 2026/02/24. 43: 2026/10/14
51: A61K
71: THE AFFILIATED HOSPITAL TO CHANGCHUN UNIVERSITY OF CHINESE MEDICINE
72: Chen Hao, Wang Jiankang, Wu Liying, Wang Yiqiang

54: A TRADITIONAL CHINESE MEDICINE PATCH FOR EASY DRESSING CHANGE AND ITS PREPARATION METHOD

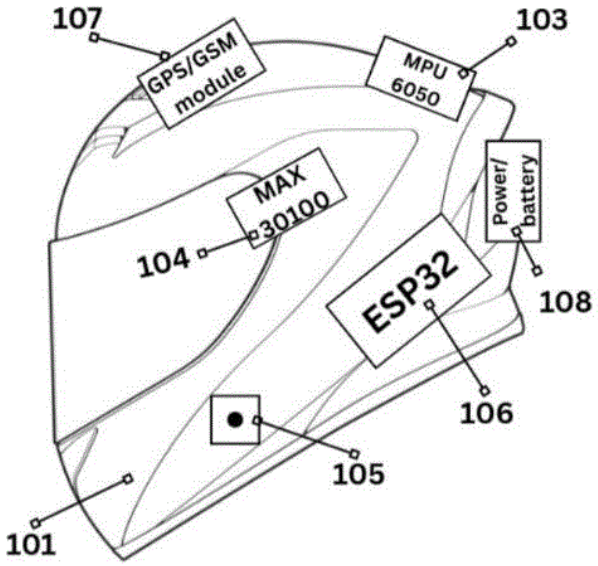
00: -
This invention discloses a traditional Chinese medicine (TCM) patch for easy medication replacement and its preparation method, pertaining to the field of TCM patch technology. The patch comprises a main body with an internal accommodation groove and reinforcing mechanisms on both sides. One side of the main body is bonded with a sweat-absorbing layer, which is attached to an adhesive layer containing uniformly distributed through-holes. The adhesive layer is connected to an anti-adhesion sheet. By pulling one side of the protective cloth, the second Velcro detaches from the first, and the second magnet moves away from the first magnet. This simple yet common design allows easy opening and closing of the protective cloth, facilitating quick replacement of the TCM ointment in the groove without repeatedly tearing the adhesive layer. Consequently, it enhances medication replacement efficiency and improves the auxiliary regulation of hypertension in patients or healthcare providers.



21: 2026/02184. 22: 2026/02/24. 43: 2026/10/15
51: A42B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BARAD, Abhijit Kiran, BHONDE, Aditya Mahendra, BORKUTE, Kalpaj Bhaskar, PANDE, Vipul Nitin, CHAUDHARI, Prasad B., SHARMA, Nakul Satpaul, SHELKE, Priya, MATE, Anuja D.

54: A RIDER SAFETY SYSTEM USING IOT ENABLED HELMET AND VEHICLE-MOUNTED PAGER

00: -
The present invention is related to a rider safety system using IoT enabled helmet and vehicle-mounted pager. It discloses a smart helmet and vehicle-mounted pager system that enhances two-wheeler rider safety by combining helmet-wear detection, crash sensing, post-crash biometric triage (heart rate and SpO2), and timed consciousness verification. Upon crash detection via an inertial sensor, the helmet's ESP32 controller simultaneously measures vital signs, prompts for rider input, and transmits a unified SMS—containing crash confirmation, physiological data, consciousness status, and GPS coordinates—to emergency contacts. Concurrently, the pager provides immediate local alerts for helmet removal and crash events, ensuring rapid bystander intervention and comprehensive remote assistance.



21: 2026/02185. 22: 2026/02/24. 43: 2026/10/15
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SOMWANSHI, Pranav, FUGNAR, Shrikant, JADHAV, Pratik, GAWANDE, Pravin Ganpatrao, KULKARNI, Shailesh Vasudeorao, GHULE, Gauri Vaijukumar

54: AN AI-ENABLED SYSTEM FOR REAL-TIME ECG MONITORING AND PREDICTIVE CARDIAC ANOMALY DETECTION

00: -
The present invention is related to an AI-enabled system for real-time ECG monitoring and predictive cardiac anomaly detection. The invention is an AI-enabled IoT system designed for real-time ECG monitoring and predictive cardiac anomaly detection. The system continuously acquires ECG and pulse signals using integrated sensors, preprocesses the signals locally, and applies a lightweight AI model to

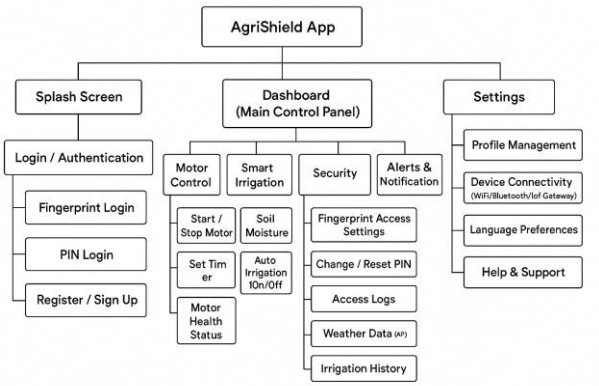
detect and predict potential cardiac irregularities before they occur. Upon detecting anomalies, the system generates instant alerts for the user and securely transmits relevant data to a cloud platform or mobile application for visualization and remote monitoring by healthcare professionals. The invention combines edge-based AI processing, predictive analytics, personalized monitoring, and cost-efficient wearable design, offering a practical, reliable, and accessible solution for continuous heart health monitoring in both home and clinical environments.

21: 2026/02186. 22: 2026/02/24. 43: 2026/10/15
51: H04W
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BONDRE, Rajwardhan Anandrao, MUSANE, Dipak Dattarao, PHADTARE, Yash Vijay, DHEKALE, Rohan Prakash, SHARMA, Nakul, KALLAWAR, Prapti

54: A FINGERPRINT AUTHENTICATION AND REMOTE CONTROL BASED SECURE IRRIGATION SYSTEM

00: -

The present invention is related to a fingerprint authentication and remote control based secure irrigation system. The invention discloses a smart irrigation system integrating fingerprint authentication, GSM missed call control, and mobile/web interfaces for pump security and management. The system prevents unauthorized pump usage, enables farmers to remotely control irrigation, and optionally integrates smart irrigation sensors for efficiency. Unlike traditional systems, it offers a secure, affordable, and farmer-friendly solution without requiring complex installations.

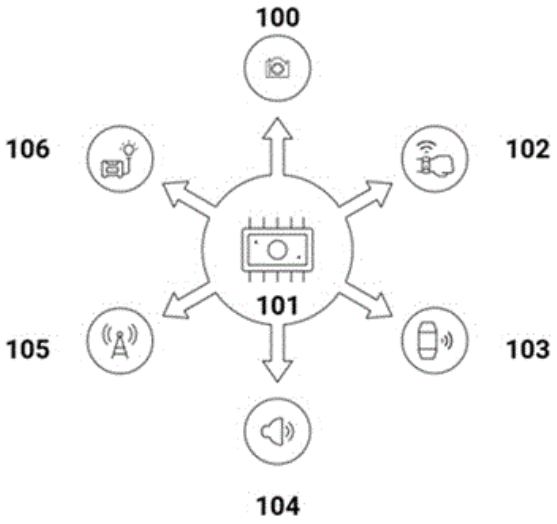


21: 2026/02187. 22: 2026/02/24. 43: 2026/10/15
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SHARMA, Nakul, DEDGAONKAR, Suruchi, JAGTAP, Gaurav Yuvraj, KAVHAT, Narendra Rajendra, KHANDARE, Harshdeep Baburao, KONDHAWALE, Aditya Eknath

54: A MACHINE LEARNING AND IOT BASED DRIVER SAFETY AND DROWSINESS DETECTION SYSTEM

00: -

The present invention is related to a machine learning and IoT based driver safety and drowsiness detection system. The system uses a camera and microcontroller to monitor the driver's face, eyes, head position, and others activities. The system is capable of detecting signs of drowsiness or distraction in the driver, after this it process the data received from the camera and utilize the trained models to determine whether a real-time alert needs to be provided, like generating a buzzer noise. The IoT integration adds an additional layer of complexity and functions like notifying family members or other markers or authorities for potential unsafe driving to improve road safety and reduce the possibility of accidents.

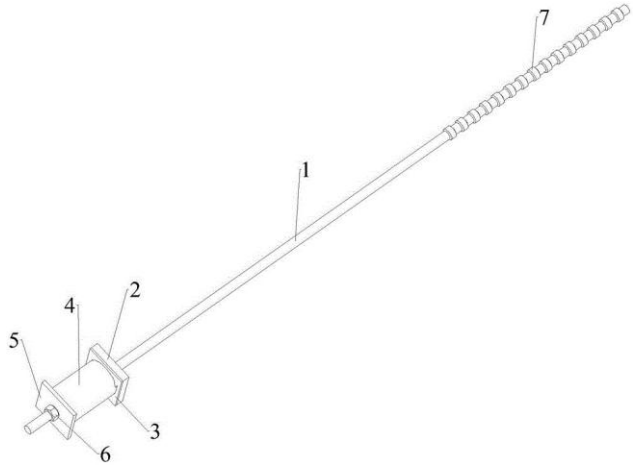


21: 2026/02234. 22: 2026/02/25. 43: 2026/10/15
51: E02D
71: China University of Mining and Technology
72: ZHANG Zhizhen, WU Han, GONG Qi, JU Minghe, ZHANG Kai, SHANG Xiaoji, MENG Qingbin, HAO Yang, JI Ming, GONG Peng, SUN Qingpei, GAO Feng

54: HONEYCOMB SLEEVE ENERGY-ABSORBING ANCHOR BOLT AND SUPPORTING METHOD THEREOF

00: -

The invention discloses a honeycomb sleeve energy-absorbing anchor bolt and a supporting method thereof. The honeycomb sleeve energy-absorbing anchor bolt includes a bolt body, one end of the bolt body is fixed in surrounding rock, and the other end of the bolt body is sleeved with a rubber pad, a loading plate, an annular buffer spring, an energy-absorbing honeycomb sleeve, a supporting plate and a pre-tightening nut in sequence; the rubber pad abuts against the surrounding rock, and the pre-tightening nut is fixedly connected with the bolt body for fixing the rubber pad, the loading plate, the energy-absorbing honeycomb sleeve and the supporting plate. According to the invention, the energy-absorbing honeycomb sleeve is arranged on the bolt body to provide constant supporting resistance, and meanwhile, the bolt body and the energy-absorbing honeycomb sleeve can realize phased deformation according to the magnitude of impact energy, so that the energy released by dynamic disasters such as rock bursts can be fully absorbed, and the structural integrity of the bolt body of the honeycomb sleeve energy-absorbing anchor bolt can be effectively protected.

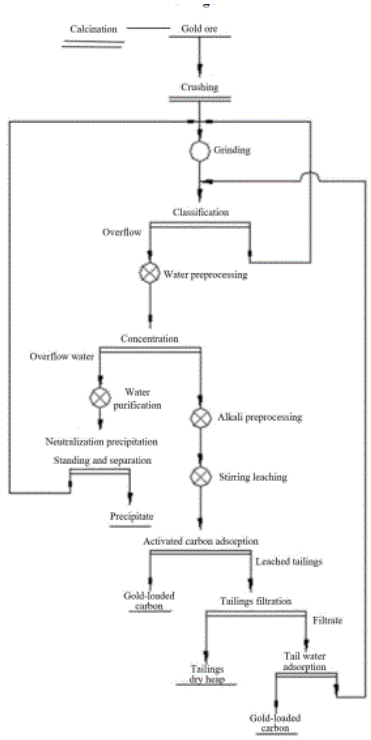


21: 2026/02235. 22: 2026/02/25. 43: 2026/10/06
51: C22B
71: The First Geological Exploration Institute of Qinghai Province, Qinghai Geological Survey
72: XU, Hanbin, XIE, Hailin, BAO, Shanbin, CHEN, Sulong, ZHANG, Dexin, DU, Shengpeng, QI, Dong, LI, Peng, DUO, Deying, ZHANG, Zhengzhi

54: METHOD FOR ENRICHING GOLD FROM GOLD ORE TAILINGS

00: -

The present invention provides a method for enriching gold from gold ore tailings, and belongs to the field of hydrometallurgy. The method includes the following steps: calcining gold ore tailings at 250-350 degrees Celsius for 2-4 h to obtain calcined gold ore; grinding and classifying the calcined gold ore in sequence to obtain classified overflow pulp; performing aerated agitation on the classified overflow pulp for 1-12 h, and then dehydrating the same to obtain underflow pulp; adjusting the pH value of the underflow pulp to 10-12, and performing aerated agitation for 1-12 h; mixing the underflow pulp with a gold leaching agent, and leaching under aerated agitation for 32-72 h to obtain leached pulp; adsorbing the leached pulp by activated carbon to obtain gold-loaded carbon and leached tailings; and desorbing, electrolyzing and smelting the gold-loaded carbon to enrich gold.

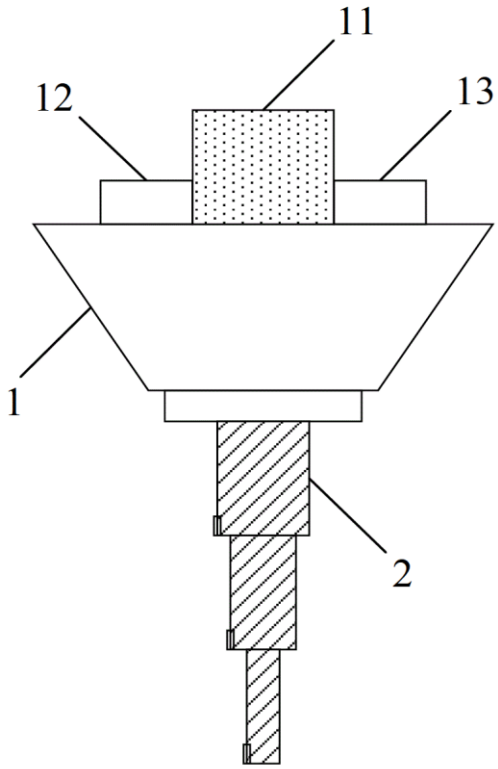


21: 2026/02237. 22: 2026/02/25. 43: 2026/10/06
51: B63B; G01N
71: The First Geological Exploration Institute of Qinghai Province, Haidong Natural Resources Research Center
72: LI, Peng, LI, Peigeng, XIE, Hailin, ZHAO, Zongxiao, ZHAO, Zhifei, XU, Hanbin, WANG, Jiayou

54: WATER RESOURCE DETECTION DEVICE AND METHOD BASED ON PROFILE SAMPLING

00: -

The present application provides a water resource detection device and a method based on profile sampling. The device includes a plurality of swivels; each swivel is provided with a sampling point and an electrically driven sampling port, and an integrated sensor is fixed at the sampling point; one end of a telescopic conduit is connected to a sampling bottle, and the other end of the telescopic conduit sequentially penetrates each swivel; the telescopic conduit is provided with a connecting port; one end of a telescopic cable is respectively connected to a data transmission and synchronization unit and a power and control assembly, and the other end sequentially penetrates each swivel; and the power and control assembly is configured to control the number of the swivels to be lowered or lifted and a speed thereof, and to control the opening and closing of target electrically driven sampling ports.



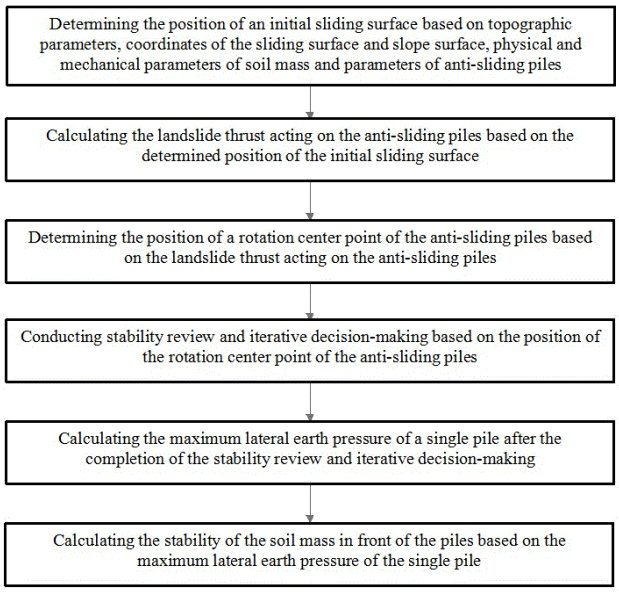
21: 2026/02238. 22: 2026/02/25. 43: 2026/10/15
51: G06F
71: Guangdong Songshan Polytechnic, South China University of Technology, Ministry of Water Resources, Ministry of Transport, National Energy Bureau, Nanjing Hydraulic Research Institute
72: JIANG Junfeng, SONG Danqing, ZHAO Kunpeng, ZHANG Jie, ZHAN Xunjin, ZENG Jieru, LYU Qing, LIAO Kaixin

54: METHOD AND SYSTEM FOR ANALYZING THE STABILITY OF HIGH SLOPES WITH ANTI-SLIDING PILES

00: -

The invention belongs to the technical field of geotechnical engineering and geological disaster prevention and control, and discloses a method and system for analyzing the stability of high slopes with anti-sliding piles. The method includes: determining the position of an initial sliding surface based on topographic parameters, coordinates of the sliding surface and slope surface, physical and mechanical parameters of soil mass and parameters of anti-sliding piles; calculating the landslide thrust acting on the anti-sliding piles based on the determined position of the initial sliding surface; determining the position of the rotation center point of the anti-sliding piles based on the landslide thrust acting on the anti-

sliding piles; conducting stability review and iterative decision-making based on the position of the rotation center point of the anti-sliding piles; calculating the maximum lateral earth pressure of a single pile after the completion of stability review and iterative decision-making; and calculating the stability of the soil mass in front of the piles based on the maximum lateral earth pressure of the single pile. The system corresponding to the method includes an initialization module, a landslide thrust calculation module, a center point position calculation module, an iteration module, a lateral earth pressure calculation module and a stability calculation module, which implement the above steps in a one-to-one correspondence manner. The invention integrates slope stability, pile force and local stability into a unified analysis framework with logical judgment, distinguishes different failure modes by introducing the concept of a rotation center, and realizes semi-automation of analysis-design-optimization through an embedded iterative process, which greatly improves the efficiency and reliability of stability analysis of high slopes with anti-sliding piles.

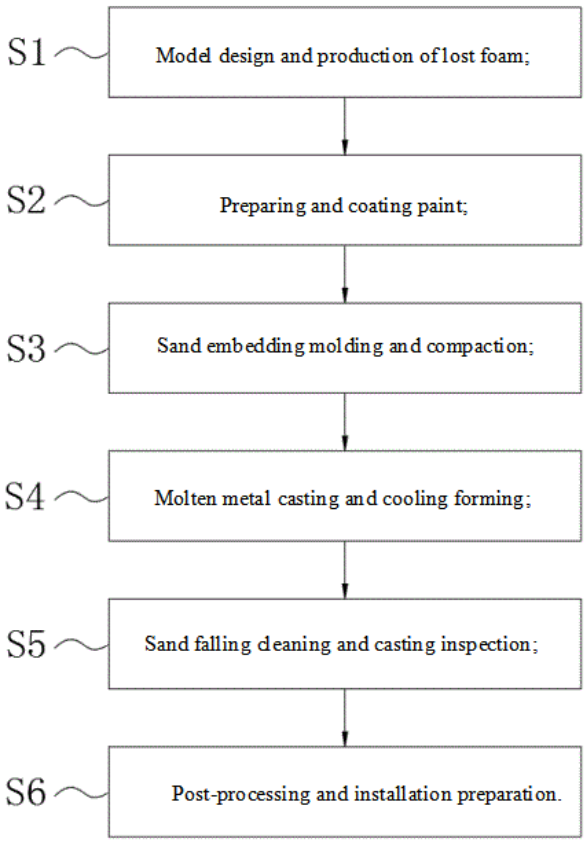


21: 2026/02239. 22: 2026/02/25. 43: 2026/10/15
51: F22G
71: ZhengZhou University, XinJiang Railway Vocational and technical college
72: DUAN Yaming, DUAN Jingmin, XIA Shuwei, DUAN Yapeng, ZHENG Na, WANG Anmin, WU Yujie, ZHANG Zhuo, MU Ali, SHANG Yixuan, CHEN Ming, ZHENG Yan, DENG Yuanyuan, LIU Guangdong, HU Tao, ZHANG Jun

54: METHOD FOR MANUFACTURING EXHAUST FLUE PREVENTING GAS BACKFLOW

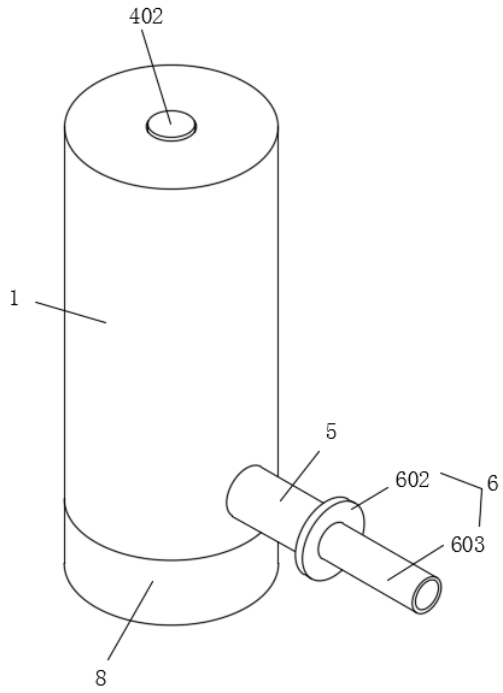
00: -

The invention discloses a method for manufacturing an exhaust flue preventing gas backflow, which relates to the technical field of building pipelines and comprises the following steps: designing a model and manufacturing a lost foam; preparation and coating of coatings; sand burying modeling and compaction; molten metal (or other liquid materials, the same below) casting and cooling forming; Sand cleaning and casting inspection; post-treatment and installation preparation: the whole structure of the exhaust flue is composed of the main exhaust pipe and the branch exhaust pipes with multiple curved pipes. Because the branch exhaust pipe is long, the pressure difference between the outlet and the inlet of the exhausted gas is large, so it can be naturally circulated and ventilated, and the branch exhaust pipe is designed as a curved pipe, and the pressure difference between the inlet and the outlet of the exhausted gas is large, so that the anti-backflow ability of the anti-backflow exhaust flue is enhanced, and the anti-backflow exhaust flue can effectively increase the exhaust smoke of each household.



21: 2026/02245. 22: 2026/02/25. 43: 2026/10/15
51: A61K
71: SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., BEIJING RHEGEN BIOTECHNOLOGY CO.,LTD.
72: ZHANG, Hao, LI, Yafei, TANG, Zan, XU, Lianqiang, YUAN, Xincheng, HU, Yong
33: CN 31: 202411997101.0 32: 2024-12-31
54: MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF
00: -
The present invention relates to an mRNA pharmaceutical composition for the prevention and treatment of tuberculosis and uses thereof. The mRNA pharmaceutical composition comprises: an mRNA molecule encoding a Mycobacterium tuberculosis antigen, and a pharmaceutically acceptable excipient; the Mycobacterium tuberculosis antigen comprises the following antigenic components: at least one Mycobacterium tuberculosis early secreted antigen or an immunologically active fragment thereof; at least one Mycobacterium tuberculosis PE/PPE family antigen or an immunologically active fragment thereof; and Mycobacterium tuberculosis latency-associated antigen Rv2029c or an immunologically active fragment thereof; the mRNA pharmaceutical composition either comprises no mRNA molecules encoding cytokines or further comprises cytokine-encoding mRNA molecules; The pharmaceutical composition described herein is for use in the preparation of a tuberculosis vaccine. The vaccine may be used as a prophylactic vaccine to prevent reactivation of latent infection, and may also be used as a therapeutic agent for treating diseases associated with active tuberculosis. The vaccine exhibits significant inhibitory activity against Mycobacterium tuberculosis.

21: 2026/02292. 22: 2026/02/26. 43: 2026/10/15
51: A61H
71: XINYU UNIVERSITY
72: JIANG, Hanbing, CAI, Lin
54: LUNG CAPACITY TRAINING DEVICE FOR REHABILITATION THERAPY
00: -
The invention relates to medical rehabilitation equipment technology and discloses a lung capacity training device for rehabilitation therapy. The device comprises a cylindrical hollow shell, an annular hollow block fixed to an inner wall of the shell, a detection component arranged on a left side of the inner cavity, and a lifting component arranged above the annular hollow block. The device integrates an electronic detection system and a mechanical indication system. Blowing pressure is detected by pressure sensors and converted into digital lung capacity values displayed in real time, enabling objective monitoring of rehabilitation progress. Simultaneously, pistons and scale rods provide intuitive visual and physical feedback through lifting movement, enhancing patient motivation and engagement. A detachable blowing component comprising an insertion pipe, limit plate, and blowing nozzle facilitates cleaning, replacement, and hygienic use during respiratory rehabilitation training.



21: 2026/02293. 22: 2026/02/26. 43: 2026/10/16
51: G07C
71: XINYU UNIVERSITY
72: ZHAO Yuexin, LIU Zhijie, LIU Kai, WU Guangsheng, SONG Qiulian

54: RFID BASED CHILD PICKUP AND DROP-OFF MANAGEMENT SYSTEM

00: -

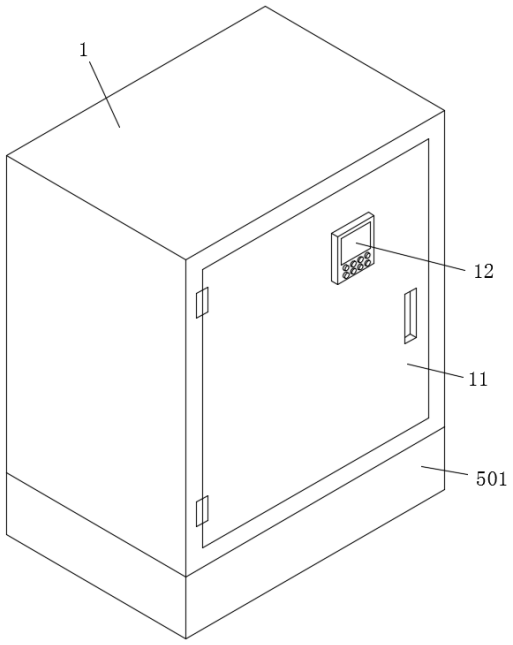
The invention discloses an RFID-based child pickup and drop-off management system comprising an RFID tag module, an RFID read-write module, a core control module, a data storage module, a user interaction module, a communication module, and a warning module. RFID tags assigned to children and guardians are bound through identity association. The RFID read-write module acquires tag information, and the core control module performs identity matching verification. Upon successful verification, a pickup record is generated and notification information is pushed to relevant users. If verification fails, a dual warning mechanism including sound, light, and information push is triggered. The system adopts dual local and cloud data storage to enhance security and traceability, and supports multilingual switching and dual communication modes. The system improves safety, efficiency, and traceability in child transportation management and is suitable for various childcare and educational institutions.

21: 2026/02294. 22: 2026/02/26. 43: 2026/10/16
51: A23B
71: SHANXI AGRICULTURAL UNIVERSITY/ SHANXI ACADEMY OF AGRICULTURAL SCIENCES, SORGHUM RESEARCH INSTITUTE
72: LI, Huiming, DU, Yanchao, CHENG, Yonggang, PANG, Xu, ZHANG, Xuebiao, YAN, Jianbin, WANG, Ruigang, SHAO, Linsheng, YAN, Suxian, HE, Ye

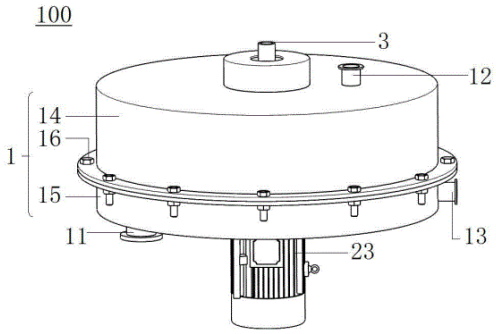
54: PRESERVATION AND STORAGE DEVICE SUITABLE FOR FRESH CORN

00: -

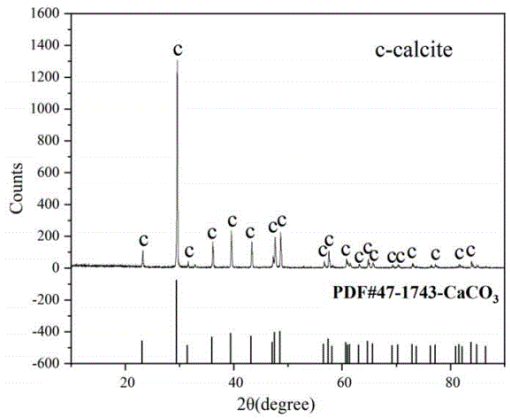
The invention relates to preservation device technology and discloses a preservation and storage device suitable for fresh corn. The device comprises a storage box, wherein support plates are fixed at equal intervals on two sides of an inner cavity of the storage box. A refrigeration component provides a stable and uniform low-temperature environment to inhibit respiration and microbial growth of corn. A vacuum component removes air inside the storage box to create a low-oxygen environment, thereby reducing nutrient and flavor loss and significantly extending shelf life. The storage structure adopts a modular layered design with sliding pull-out placement frames supported by equally spaced support plates. Ventilation holes at bottoms of the placement frames ensure effective cold air circulation and vacuum action while preventing stacking damage. The device improves preservation efficiency, operational convenience, and space utilization for fresh agricultural product storage.



21: 2026/02295. 22: 2026/02/26. 43: 2026/10/16
51: B01F
71: Chongqing University of Science and Technology
72: HUANG, Bin, ZHANG, Wei, ZHU, Rui, FU, Cheng, DA, Qi'an, ZHANG, Xue
33: CN 31: 202511157755.7 32: 2025-08-18
54: POLYMER DISSOLUTION PACKED BED, POLYMER DISSOLUTION SYSTEM, AND POLYMER DISSOLUTION METHOD
00: -
Provided are a polymer dissolution packed bed, a polymer dissolution system, and a polymer dissolution method. By implementing rotation of a packing ring while revolving, contact opportunities and contact time between the packing ring and solution are increased, thus improving efficiency of a chemical reaction or a physical separation process and rapidly dissolving a polymer. In addition, a design of rotation and revolution of the packing ring helps to mix and process materials more uniformly, reduces mass or heat transfer resistance, and improves uniformity of an overall process. A revolution mechanism and a rotation mechanism together form a multi-axis rotation transmission mechanism, each first gear is driven to revolve via a single revolution motor, and in addition, rotation of each packing ring is implemented through a revolution process of each first gear and a meshing relationship between each first gear and a stationary second gear.



21: 2026/02298. 22: 2026/02/26. 43: 2026/10/16
51: C04B
71: Yantai University
72: LIU, Zuowei, MA, Yuange, LU, Jingzhou, LI, Guang
33: CN 31: 202510381958.8 32: 2025-03-28
54: MICROBIAL MINERALIZATION MODIFIED RECYCLED AGGREGATE, AND ITS PREPARATION METHOD AND USE
00: -
Provided are a microbial mineralization modified recycled aggregate, and its preparation method and use. A method for preparing the microbial mineralization modified recycled aggregate includes: subjecting a culture of microorganisms having both nitrification and denitrification capabilities and a culture of ureolytic bacteria to a first mixing to obtain a mixed culture, where a volume ratio at equal concentrations of the culture of the microorganisms having both nitrification and denitrification capabilities to the culture of the ureolytic bacteria in the mixed culture is in a range of 2 : 1 to 1 : 4; and subjecting the mixed culture, a recycled aggregate and a mineralizing solution to a second mixing, and subjecting a resulting system to microbial mineralization to obtain the microbial mineralization modified recycled aggregate, where the mineralizing solution includes urea and calcium formate.

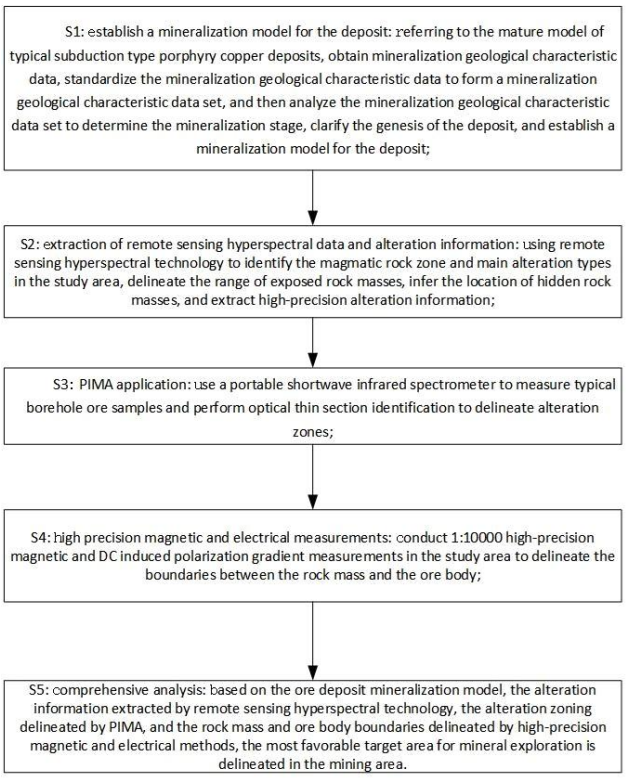


21: 2026/02303. 22: 2026/02/26. 43: 2026/10/16
51: G01V
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, YUNNAN GEOLOGICAL SURVEY (YUNNAN ACADEMY OF GEOLOGICAL SCIENCES)
72: LI, Wenchang, YU, Haijun, LIU, Xuelong, DONG, Tao, YANG, Fucheng, CEN, Chao
33: CN 31: 2026100919396 32: 2026-01-23

54: INTEGRATED METHOD FOR IMPROVING THE EXPLORATION EFFICIENCY OF PORPHYRY COPPER DEPOSITS

00: -

The invention relates to deep geotechnical engineering technology and discloses a multi-parameter intelligent perception and grading warning device for water inflow precursors. The device comprises a counterweight plate and a driving box fixed thereto, wherein a screw is rotatably arranged in the driving box and connected to a rectangular plate and a driving plate. The device integrates radar antennas, drilling water pressure probes, vibration sensors, seepage accumulation sensors, and an industrial computer to form a collaborative perception system. Through coordinated monitoring and cross-validation of rock mass moisture trends, fracture water pressure, micro-fracture vibration activity, and seepage conditions, the device realizes comprehensive identification of water inflow precursor information. Multi-dimensional data processing improves warning accuracy and reliability at the mechanism level. The device provides graded warning functions, facilitates convenient installation and operation, and enhances safety management efficiency in deep geotechnical engineering environments.

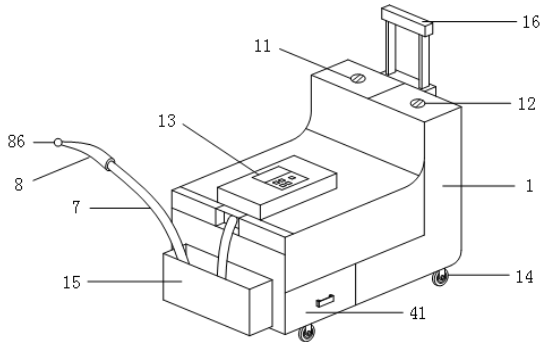


21: 2026/02304. 22: 2026/02/26. 43: 2026/10/16
51: D06F
71: Suzhou Baolijie Intelligent Electrical Appliance Co., Ltd
72: Zhihao WANG
33: CN 31: 2025117180033 32: 2025-11-21

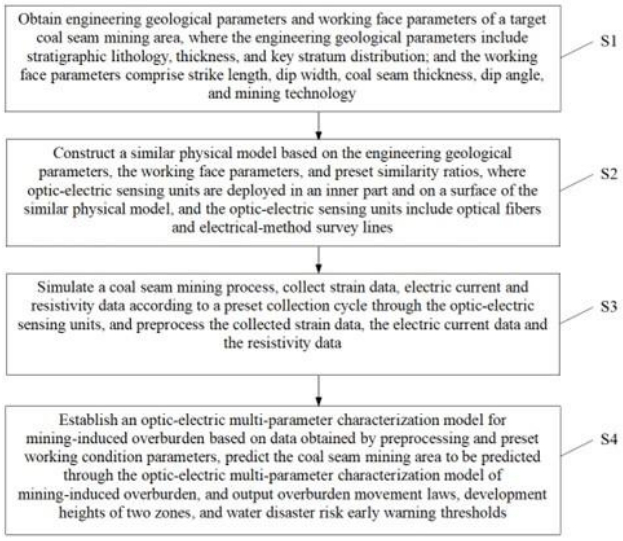
54: STEAM CLEANING MACHINE

00: -

The present disclosure relates to the technical field of equipment cleaning, and specifically relates to a steam cleaning machine, where including: a cleaning machine body, the cleaning machine body is equipped with a steam generation system, a cleaning agent delivery device, a wastewater suction device, a hot air device, and a control device. The cleaning machine body is connected to a multifunctional integrated nozzle through a multi-channel interface and a multi-channel connecting pipe. The present disclosure integrates steam cleaning, cleaning agent assistance, wastewater suction, and hot air drying functions to achieve closed-loop cleaning, with convenient operation and high efficiency. It is suitable for cleaning needs such as floors, furniture, tabletops, and gaps in household and hotel settings.



21: 2026/02305. 22: 2026/02/26. 43: 2026/10/15
51: G01L; G01V
71: HUAINAN MINING (GROUP) CO., LTD, ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, HEFEI UNIVERSITY OF TECHNOLOGY
72: HAN, Jiazhang, SUN, Binyang, CHENG, Haiyan, ZHANG, Pingsong, REN, Bo, ZHOU, Guanqun, XU, Yanfei, HUANG, Gang, HU, Xiongwu
54: OPTIC-ELECTRIC SENSING METHOD AND SYSTEM FOR EVOLUTION OF OVERBURDEN FRACTURES INDUCED BY DEEP COAL SEAM MINING
00: -
Disclosed is an optic-electric sensing method and system for an evolution of overburden fractures induced by deep coal seam mining, including obtaining engineering geological parameters and working face parameters of a target coal seam mining area; constructing a similar physical model based on the engineering geological parameters, the working face parameters, and preset similarity ratios, deploying optic-electric sensing units in an inner part and on a surface of the similar physical model; simulating a coal seam mining process, collecting strain data, and electric current and resistivity data, and processing the collected strain data, the electric current data, and the resistivity data; and establishing an optic-electric multi-parameter characterization model for mining-induced overburden based on data obtained by preprocessing and preset working condition parameters, and outputting overburden movement laws, development heights of two zones, and water disaster risk early warning thresholds.



21: 2026/02309. 22: 2026/02/26. 43: 2026/10/15
51: A61K; C07K; C12N; A61P
71: MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED, MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED
72: LIU, Bo, ZHU, Liyuan, CAO, Guoqing, SHI, Junwei, WENG, Xialian, CAO, Yuting
33: CN 31: 202311027138.6 32: 2023-08-15
54: SINGLE-DOMAIN ANTIBODY SPECIFICALLY BINDING TO CDCP1 AND USE THEREOF
00: -
A single-domain antibody specifically binding to CDCP1 or an antigen-binding fragment thereof, a polypeptide construct and a conjugate containing the single-domain antibody or the antigen-binding fragment thereof, a nucleic acid molecule encoding the single-domain antibody or the antigen-binding fragment thereof and a host cell containing same, and a related use.

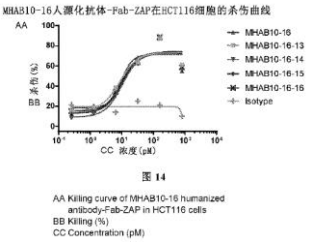
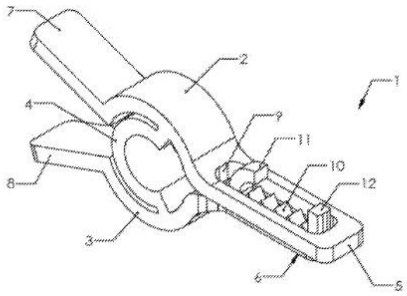


图 14

AA Killing curve of MHAB10-16 humanized antibody-Fab-ZAP in HCT116 cells
BB Killing (%)
CC Concentration (pM)

21: 2026/02354. 22: 2026/02/27. 43: 2026/10/16
51: A61B; A61M
71: LOMBARD, Petro
72: LOMBARD, Petro
33: ZA 31: 2023/07625 32: 2023-08-02
54: CLIP FOR ELONGATED MEDICAL INSTRUMENTS

00: -
A clip (1) suitable for releasably securing at least one elongate medical instrument operatively during a medical activity comprises at least one securing arrangement, the one securing arrangement comprising a set of jaws (5, 6), a displacement mechanism and a biasing mechanism. The set of jaws (5, 6) is resiliently displaceable between a securing, closed position, and a releasing, open position, wherein the set of jaws (5, 6) comprises at least one securing formation, configured to hold at least one elongate medical instrument operatively securely between the jaws (5, 6) when the set of jaws (5, 6) is in the closed position, without causing any damage to the instrument or any coating thereon, and at least one retaining formation, configured to render the elongate medical instrument loosely retainable between the jaws (5, 6) when the set of jaws (5, 6) is in the open position. The displacement mechanism is configured to displace the set of jaws (5, 6) controllably between the closed position and the open position. The biasing mechanism renders the set of jaws (5, 6) biased towards the closed position. The elongate medical instrument is receivable and retainable loosely between the jaws (5, 6) when the jaws (5, 6) are displaced against the biasing mechanism into the open position, and holdable operatively securely between the jaws (5, 6) when the jaws (5, 6) are displaced under the bias into the closed position without causing any damage to the instrument or any of its coating.



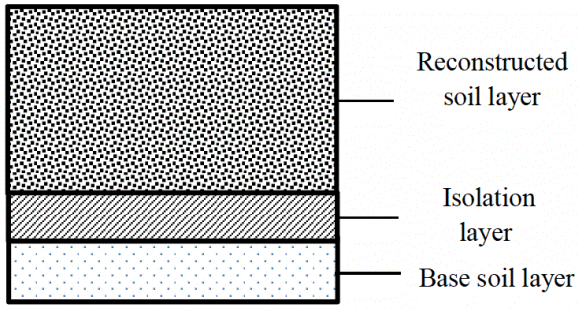
21: 2026/02409. 22: 2026/03/02. 43: 2026/10/16
51: C09D
71: Silver Oak University, Dr. Pina Mandar Bhatt, Dr. Devansh Parag Desai, Mr. Vikrant Kiritkumar Baxi, Dr. Hirenkumar Shantilal Jagani, Mr. Mohammad Imran Anees Ahmad, Dr.Vijaykumar Singh, Dr. Kaushal Purohit
72: Dr. Pina Mandar Bhatt, Dr. Devansh Parag Desai, Mr. Vikrant Kiritkumar Baxi, Dr. Hirenkumar Shantilal Jagani, Mr. Mohammad Imran Anees Ahmad, Dr.Vijaykumar Singh, Dr. Kaushal Purohit
54: A NOVEL NANOCOMPOSITE COATING FOR CORROSION-RESISTANT AND SELF-HEALING METALLIC STRUCTURES
00: -
A novel nanocomposite coating comprising a polymeric matrix embedded with two-dimensional nanomaterials forming a diffusion barrier, nano-ceramic reinforcement particles, nano-encapsulated corrosion inhibitor carriers responsive to electrochemical triggers, and conductive nanofillers forming a micro-electrochemical network. The coating provides corrosion resistance and autonomous self-healing by combining physical barrier protection, triggered inhibitor release, and localized electrochemical stabilization. The coating is suitable for metallic structures exposed to aggressive environments

21: 2026/02410. 22: 2026/03/02. 43: 2026/10/16
51: G06Q
71: Dr. Mrinal Gaurav, Dr. Diwakar Kumar
72: Dr. Mrinal Gaurav, Dr. Diwakar Kumar
54: A HARDWARE-INTEGRATED DYNAMIC FINANCIAL FORECASTING SYSTEM IMPLEMENTING STATE SPACE MODELING
00: -
The present invention relates to a hardware-integrated dynamic financial forecasting system implementing state space modeling for real-time signal processing. The system comprises a real-time data acquisition interface circuit, a hardware state register array storing state variables and covariance parameters, a state transition computation circuit implemented as fixed-function hardware logic, and a recursive estimation circuit including a hardware-embedded gain computation module and covariance update module. A matrix operation acceleration unit comprising parallel arithmetic logic blocks executes vector and matrix multiplications, while a synchronization clock controller regulates deterministic cycle-level execution. The system further includes a memory subsystem with dual-buffered architecture and an output interface circuit configured to transmit forecast signals with bounded latency. By executing recursive state estimation entirely within hardware, the invention reduces

computational latency, eliminates software scheduling variability, and enables deterministic real-time forecasting under high-frequency data conditions.

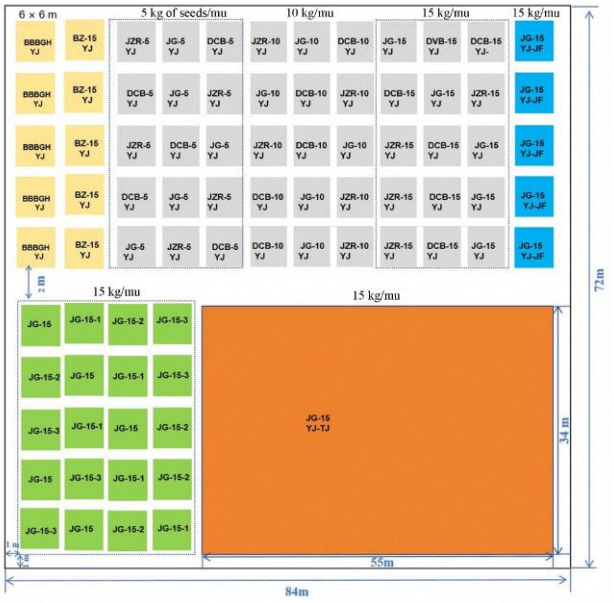
21: 2026/02411. 22: 2026/03/02. 43: 2026/10/16
51: H04B
71: Silver Oak University, Mr. Narendra Chaitanya Mahavadia, Dr. Anuradha P. Desai, Mr. Jvalant Ashokkumar Modi, Mr. Utsav Pankajbhai Yagnik, Mr. Alaap Someshwar Jagdale, Dr. Sreenath Narayanan Nair, Mr. Rakeshkumar Manilal Patel
72: Mr. Narendra Chaitanya Mahavadia, Dr. Anuradha P. Desai, Mr. Jvalant Ashokkumar Modi, Mr. Utsav Pankajbhai Yagnik, Mr. Alaap Someshwar Jagdale, Dr. Sreenath Narayanan Nair, Mr. Rakeshkumar Manilal Patel
54: RECONFIGURABLE ANTENNA SYSTEM WITH AI-DRIVEN BEAM STEERING FOR 6G WIRELESS COMMUNICATION
00: -
A reconfigurable antenna system for 6G wireless communication comprising a configurable antenna array, switching matrix, impedance tuning network, metasurface modulation layer, RF front-end module, channel sensing module, and AI processing unit. The AI unit predicts optimal beam direction and dynamically reconfigures antenna topology, radiation pattern, and impedance characteristics in response to predicted channel conditions. The system enables predictive beam steering and physical radiation morphology adaptation, improving link reliability, spectral efficiency, and performance in high-frequency 6G communication environments.

21: 2026/02412. 22: 2026/03/02. 43: 2026/10/06
51: B09C
71: Land Consolidation and Rehabilitation Center Ministry of Natural Resources, JARUD BANNER ZHAHANAOER COAL INDUSTRY CO., LTD.
72: Zhengshan JU, Qiao YANG, Jinchao FENG, Liang ZHAO, Xinxin QI, Ying SHEN, Xuliang LIU, Jingyu LIU, Jingwei WANG, Caisheng ZHAO, Fei SHEN, Zhihui ZHOU, Dapeng ZHAO, Yahua KANG
33: CN 31: 2025107556948 32: 2025-06-07
54: IN-SITU SOIL RECONSTRUCTION AND IMPROVEMENT METHOD SUITABLE FOR OPEN-PIT GRASSLAND MINING AREAS
00: -
The present disclosure provides an in-situ soil reconstruction and soil improvement method suitable for an open-pit grassland mining area. The method reconstructs soil in the grassland mining area by arranging, from bottom to top in sequence, a base soil layer, an isolation layer, and a reconstructed soil layer. The added clay isolation layer has water and nutrient retention effects, benefiting plant growth. By blending sandy soil and clay as the reconstructed soil layer, where the used clay has high organic matter content and can bind to form micro-aggregates and macro-aggregates, the soil texture becomes compact with small inter-particle voids, resulting in strong water and nutrient retention capacity. Based on this, a multi-dimensional soil improvement method is proposed, including platform and slope soil reconstruction, platform soil fertility enhancement, and platform micro-topography modification. Through a synergistic effect of the multi-dimensional improvement method, ecological restoration of the grassland mining area can be effectively achieved.



21: 2026/02413. 22: 2026/03/02. 43: 2026/10/06
51: B09C
71: Land Consolidation and Rehabilitation Center Ministry of Natural Resources, JARUD BANNER ZHAHANAOER COAL INDUSTRY CO., LTD.
72: Jianchao FENG, Qiao YANG, Zhengshan JU, Zhichao WANG, Junpeng XIAO, Xuecheng FU, Ying SHEN, Yongchao XU, Caisheng ZHAO, Fei SHEN, Wenhai LI, Wei LI, Zhanwei MIAO, Hongyu CHEN
33: CN 31: 2025107556933 32: 2025-06-07
54: RAPID VEGETATION ESTABLISMENT METHOD SUITABLE FOR OPEN-PIT GRASSLAND MINING AREAS
00: -
The present invention provides an ecological restoration and rapid vegetation establishment method suitable for open-pit grassland mining areas and proposes a novel grass seed combination structure. Based on zonal climate characteristics,

geographical surveys, and the actual conditions of a vegetation restoration area, and guided by principles such as nativity, species diversity, and ecological complementarity, a multi-system, multi-dimensional and multi-species technical configuration is developed, leveraging the coordinated succession and synergistic growth-promoting integrations of key bio-ecological traits and suitable growth environments of different plant species, thereby providing a cost-effective, functionally integrated, and aesthetically enhanced method for rapid vegetation restoration.



21: 2026/02414. 22: 2026/03/02. 43: 2026/10/16
51: C02F
71: Dr. Saurabh Yadav, Dr. Shagun Varshney, Dr. Anant Prakash Agrawal, Dr. Rajeev Kumar, Dr. Vineeta Gautam, Thejus Jacob, Adyasa Padhi
72: Dr. Saurabh Yadav, Dr. Shagun Varshney, Dr. Anant Prakash Agrawal, Dr. Rajeev Kumar, Dr. Vineeta Gautam, Thejus Jacob, Adyasa Padhi

54: DUAL-STAGE BIO-CHEMICAL DOSING AND MECHANICAL FILTRATION SYSTEM FOR WASTEWATER TREATMENT

00: -

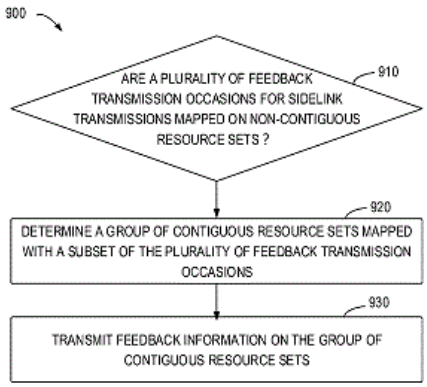
The present invention relates to a dual-stage wastewater treatment system integrating bio-chemical dosing and mechanical filtration within a synchronized architecture. The system comprises an influent sensing chamber equipped with turbidity, pH, and dissolved oxygen sensors; a bio-chemical dosing module including controlled injection channels for biological activators and chemical coagulants; and a mixing chamber configured to promote optimized floc formation. A downstream mechanical filtration module includes a multi-layer graded filtration assembly, a dynamically adjustable filtration mesh, a sludge compaction chamber, and a backflush cleaning mechanism. A control unit coordinates reagent dosing rates with filtration pressure and flow velocity based on real-time wastewater characteristics. The integrated feedback mechanism enhances contaminant removal efficiency, reduces chemical consumption, improves sludge density, and minimizes filter fouling. The system provides adaptive, real-time wastewater treatment suitable for municipal and industrial applications.

21: 2026/02496. 22: 2026/03/04. 43: 2026/08/17
51: H04W
71: NOKIA TECHNOLOGIES OY
72: ABREU, Renato, Barbosa, LIU, Jian Guo, LIU, Yong, JACOBSEN, Thomas, Haaning, KIILERICH PRATAS, Nuno, Manuel, WILDSCHEK, Torsten, JAISWAL, Akshay

54: SIDELINK FEEDBACK INFORMATION

00: -

Example embodiments of the present disclosure relate to a solution of transmitting sidelink (SL) feedback information on non-contiguous resource sets. In this solution, in accordance with a determination that a plurality of feedback transmission occasions for sidelink transmissions are mapped on non-contiguous resource sets, an apparatus determines a group of contiguous resource sets mapped with a subset of the plurality of feedback transmission occasions; and transmits feedback information on the group of contiguous resource sets.



21: 2026/02528. 22: 2026/03/05. 43: 2026/10/16
51: A61K
71: INSTITUTE OF CHINESE MATERIA MEDICA CHINA ACADEMY OF CHINESE MEDICAL SCIENCES
72: SUI Feng, HUO Hairu, LIU Yuling, SONG Qi
54: CINNAMON TWIG DECOCTION CHINESE MEDICINAL PREPARATION AND LIPID-LOWERING USE THEREOF
00: -
The invention discloses a Cinnamon Twig Decoction Chinese medicinal preparation and its lipid-lowering use, belonging to the technical field of biomedicine. The preparation method of the Cinnamon Twig Decoction Chinese medicinal preparation includes the following steps: taking Ramulus Cinnamomi, Radix Paeoniae Alba, Rhizoma Zingiberis Recens, Fructus Jujubae and Radix Glycyrrhizae, adding water for soaking, heating to boiling with high heat and then decocting with slow heat for 20-40 min, collecting the filtrate, decocting the medicinal residues again, combining the two batches of filtrate, and filtering and concentrating to obtain the Cinnamon Twig Decoction Chinese medicinal preparation. Experimental verification shows that the Cinnamon Twig Decoction Chinese medicinal preparation prepared by the invention has an obvious lipid-lowering effect, without any toxic and side effects or adverse reactions during medication, and with a lasting curative effect. The Cinnamon Twig Decoction Chinese medicinal preparation prepared by the invention can be prepared into a suitable oral preparation for lipid-lowering treatment with pharmaceutically acceptable carriers according to needs, and has broad application prospects and market value.

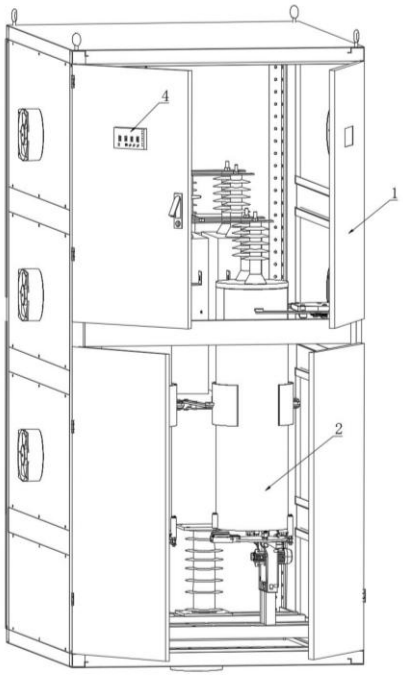
21: 2026/02529. 22: 2026/03/05. 43: 2026/10/16
51: A23K
71: INSTITUTE OF CHINESE MATERIA MEDICA CHINA ACADEMY OF CHINESE MEDICAL SCIENCES
72: SUI Feng, LIU Yuling, HUO Hairu, SONG Qi
54: APPLICATION OF PEPPER PREPARATION IN REGULATING LIPID METABOLISM OF ORGANISM
00: -
This invention discloses an application of a pepper preparation in regulating the lipid metabolism of an organism, belonging to the technical field of biomedicine. The invention takes pepper as a raw material, obtains the pepper preparation through the steps of crushing, reflux extraction, reduced pressure concentration, freeze-drying and the like; the pepper preparation is a natural traditional Chinese medicine extract with safe components and no toxic and side effects. Experimental studies find that the pepper preparation prepared by the invention can effectively inhibit weight gain and hyperlipidemia caused by lipid metabolism disorder, effectively reduce the weight gain and adipocyte area of retroperitoneal white adipose tissue, and improve liver function. The pepper preparation prepared by the invention can effectively regulate the lipid metabolism of the organism and reduce lipid accumulation, which provides new experimental basis for its potential application in metabolic diseases.

21: 2026/02531. 22: 2026/03/05. 43: 2026/10/16
51: A21D
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: YIN Guoyou, XU Jingsheng, SUN Jie, ZHANG Menglu, LIU Yulin
54: METHOD FOR MAKING BREAD WITH ADDED SOYBEAN OLEOSOMES AND BROWN RICE FERMENT
00: -
The invention discloses a method for making bread with added soybean oleosomes and brown rice ferment, belonging to the technical field of food processing. The method includes: (1) preparing soybean homogenate; (2) preparing crude soybean oleosomes; (3) performing stabilization processing on soybean oleosomes; (4) preparing bread dough with added soybean oleosomes, where the basic formula of the bread dough is: 100-125 parts of

bread wheat flour, 45-60 parts of food-grade purified water, 10-15 parts of white granulated sugar, 2-5 parts of butter, 1.5-3 parts of active dry bread yeast, 5-10 parts of brown rice ferment, 2-5 parts of table salt, 0-50 parts of eggs; the addition amount of soybean oleosomes in the bread dough is 5-25 percent, and the preferred addition amount is 10-15 percent; (5) fermenting the dough and (6) baking the bread. The bread prepared by the method of the invention has significantly improved sensory properties and specific volume; compared with bread without added brown rice ferment, the bread prepared by the invention with added brown rice ferment has better nutritional value and superior physical properties.

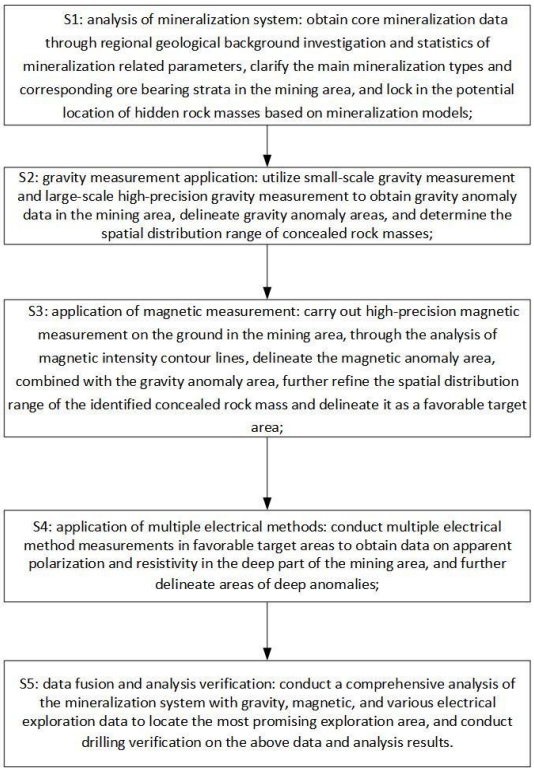
21: 2026/02533. 22: 2026/03/05. 43: 2026/10/16
51: C08G
71: Civil Aviation Flight University of China
72: YANG, Yunyun, DOU, Qihang, DUAN, Junjie, JIANG, Zongjie, WU, Yi, LI, Gang, XIONG, Shenghua
54: PREPARATION METHOD OF BULK-TYPE INTELLIGENT TEMPERATURE-REGULATING PHASE CHANGE FIBER
00: -
The present invention provides a preparation method of an intelligent temperature-regulating bulk phase change fiber, which involves blocking phase change functional groups onto molecular chains and then preparing a bulk phase change fiber material via an electrospinning method, thereby improving the comprehensive performance of the phase change fiber. The present invention endows the fiber material with temperature-regulating and thermal insulation functions to alleviate heat stress; meanwhile, the molecular chain structure and chemical covalent bonds can solve the problem of interface defects, realizing excellent abrasion resistance and wash resistance of the fiber material.

21: 2026/02536. 22: 2026/03/05. 43: 2026/10/16
51: F16M
71: Chongqing Tianmeng Lidi Technology Co., Ltd., Langshi New Material Technology (Chongqing) Co., Ltd.
72: Kai CEN, Xuelei ZHANG, Hongyun YANG
33: CN 31: 2026202322883 32: 2026-02-26
54: A MOUNTING BRACKET FOR AN ENERGY-SAVING DEVICE
00: -
The invention belongs to the technical field of electrical equipment, and discloses a mounting bracket for an energy-saving device, comprising a power distribution cabinet and an energy-saving device, and further comprising mounting brackets and a control module. Through the control module, the solution controls the adjacent clamping plates to alternately complete clamping and releasing actions, and solves the problem of local heat dissipation when the energy-saving device is continuously clamped and fixed on the premise of not affecting the mounting stability of the device. The invention solves the heat dissipation problem of the energy-saving device during clamping.



21: 2026/02580. 22: 2026/03/06. 43: 2026/10/19
51: G01V
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, YUNNAN GEOLOGICAL SURVEY (YUNNAN ACADEMY OF GEOLOGICAL SCIENCES)
72: LI, Wenchang, YU, Haijun, LIU, Xuelong, DONG, Tao, YANG, Fucheng, CEN, Chao
33: CN 31: 202610091748X 32: 2026-01-23
54: INTEGRATED METHOD FOR ENHANCING EXPLORATION EFFICIENCY OF SKARN / PORPHYRY CONCEALED ORE DEPOSITS
00: -

Disclosed is an integrated method for improving exploration efficiency of skarn porphyry concealed ore deposits. The method begins with analysis of the mineralization system and regional geological survey data to identify potential concealed rock masses. Graded gravity measurements are then conducted to obtain anomaly data and delineate gravity anomaly areas corresponding to possible hidden rock bodies. High-precision magnetic surveying is further applied to identify magnetic anomaly zones, and combined interpretation of gravity and magnetic anomalies is used to determine favorable exploration targets. Electrical exploration methods are subsequently implemented within the favorable target areas to obtain deep induced polarization and resistivity data and delineate deep anomaly zones. Comprehensive integration and analysis of geological and geophysical data enable identification of the most promising exploration targets for drilling verification. The method forms a complete exploration workflow from geological analysis to precise verification, improving exploration accuracy, reducing costs, and enhancing deep mineral exploration capability.



21: 2026/02880. 22: 2026/03/13. 43: 2026/09/10
51: A61K; C07K
71: ZYDUS LIFESCIENCES LIMITED
72: KANNAN, Muthaiyyan Essakimuthu, SINGH, Debjani Manoj, NAHATA, Tushar Surajmal, WAGH, Yogesh Keda, KUMAR, Saurabh
33: IN 31: 202221032778 32: 2022-06-08

54: REUSABLE MULTI-DOSE, VARIABLE DOSE, SINGLE PEN INJECTOR FOR TYPE 2 DIABETES AND WEIGHT MANAGEMENT

00: -

The aim of the invention is to provide liquid composition of Semaglutide with phenol in concentration of 0.11% w/w to 0.5% w/w which will enhance stability of the composition. Also provided herein a process for the preparation of composition of Semaglutide and method of using the same for treating diabetes and obesity.

21: 2026/03450. 22: 2026/03/27. 43: 2026/10/01
51: A01G
71: OFFICINE MACCAFERRI S.p.A.
72: Mario ADAMI, Antoine GAGLIARDI
33: IT 31: IT 102025000006798 32: 2025-03-31

54: DEVICE, INSTALLATION AND METHOD FOR DETECTING SURFACE LANDSLIDE PHENOMENA IN VINEYARDS

00: -

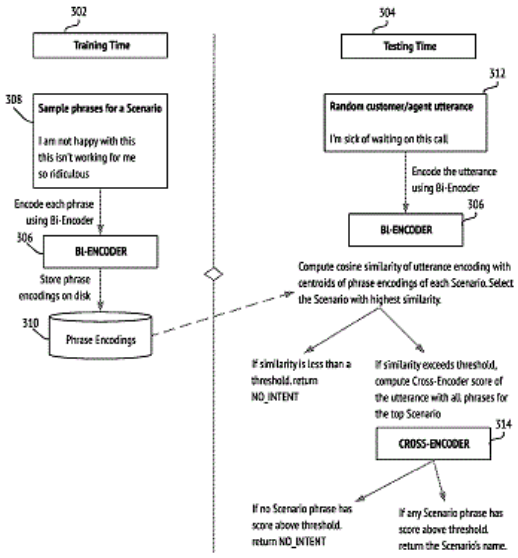
A sensorized vineyard pole (21) for supporting a row in an espalier type vineyard (1), in particular on a slope, is configured to detect surface landslide phenomena. The pole has a structural body (22) which supports a detection device (6) with an electronic assembly (23). The electronic assembly (23) comprises at least one inclination and/or movement sensor (11) suitable for detecting the inclination and/or movement of the pole, an electronic controller (12) which is programmed to emit an event signal which indicates a signal which is sent to the electronic controller from the inclination and/or movement sensor (11) and a transmitter (14) which is connected to the electronic controller (12) and provided to transmit the event signal which is emitted by the electronic controller.

21: 2026/04257. 22: 2026/04/20. 43: 2026/08/20
51: G06N; G10L
71: UJWAL INC.
72: SINGHAL, Madhur, NAGAR, Ashish, SINGH, Tanul, TALWAR, Abhimanyu, KHULLAR, Sumeet
33: US 31: 63/442,159 32: 2023-01-31
33: US 31: 63/521,105 32: 2023-06-15
33: US 31: 63/597,343 32: 2023-11-09

54: QUALITY ASSURANCE SYSTEMS BASED ON SPEAKER INTENT DETECTION

00: -

A semantic similarity based configurable system for automatic scenario detection in customer-agent conversations is disclosed. Tire system understands intent from the vector space semantic similarity between speaker sentences, which is agnostic to the use of synonyms and tolerates a large amount of paraphrasing. This approach scales easily to a large number of customers and can be fed more data to increase accuracy and precision. Furthermore, the system is configurable in real-time so that the client is able to control which intents are detected and how. In some embodiments, the semantic similarity based configurable system comprises a scenario detection system, a conversation tag system, a bi-encoder, and a cross-encoder, where the scenario detection system receives inputs of sample phrases and customer-agent utterances and generates results. Tire sample phrases may be phrases and keywords that describe a scenario expressing the behavior of a customer or call agent.

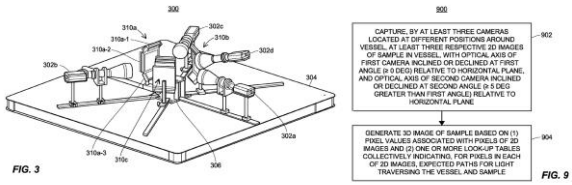


21: 2026/04594. 22: 2026/04/29. 43: 2026/08/17
51: G01B; G01N
71: Amgen Inc.
72: MILNE, Graham F., FRADKIN, Dmitry, PEARSON, Thomas Clark
33: US 31: 62/856,267 32: 2019-06-03

54: 3D PARTICLE IMAGING IN PHARMACEUTICAL CONTAINERS

00: -

A method for 3D imaging of a sample, in a vessel having a longitudinal axis orthogonal to a horizontal plane, includes capturing, by at least three cameras located at different positions around the vessel, respective 2D images of the sample. Each image comprises pixels having associated pixel values. The optical axis of a first camera is inclined or declined at a first angle relative to the horizontal plane, with the first angle being greater than or equal to zero degrees. The optical axis of a second camera is inclined or declined at a second, larger angle relative to the horizontal plane. The method also includes generating a 3D image of the sample based on the pixel values associated with the 2D image pixels, and one or more look-up tables that collectively indicate, for pixels in each image, expected paths for light traversing the vessel and the sample.



21: 2026/05298. 22: 2026/05/15. 43: 2026/09/10
51: B21D
71: VICTAULIC COMPANY
72: BANCROFT, Philip Wayne, BOWMAN, Matthew A.
33: US 31: 63/251,082 32: 2021-10-01

54: ENHANCED STABILITY GASKET AND COUPLING

00: -

A coupling for joining pipe elements has cast segments attached end to end surrounding a central space. The segments define a channel that receives a gasket. Side surfaces within the channel have angularly oriented capture surfaces which are engaged by bulbous rims on the gasket which prevent the gasket from being dislodged from the channel when at least one pipe element is inserted into the central space. Side surfaces may also have support surfaces between the capture surfaces. The gasket supports the segments in a preassembled state wherein the segments are in spaced relation sufficient to permit insertion of one or more pipe

elements while the segments are attached end to end.

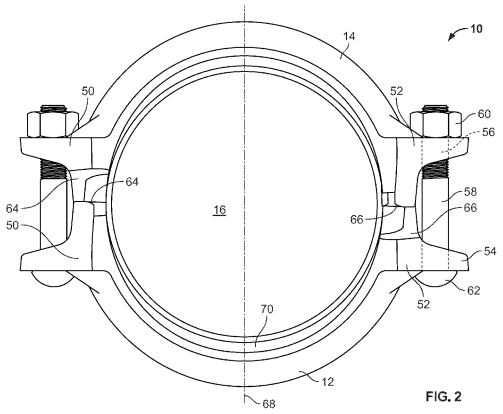


FIG. 2

21: 2026/05299. 22: 2026/05/15. 43: 2026/09/10
51: B21D; F16L
71: VICTAULIC COMPANY
72: BANCROFT, Philip Wayne, BOWMAN, Matthew A.
33: US 31: 63/251,082 32: 2021-10-01
54: ENHANCED STABILITY GASKET AND COUPLING
00: -
A coupling for joining pipe elements has cast segments attached end to end surrounding a central space. The segments define a channel that receives a gasket. Side surfaces within the channel have angularly oriented capture surfaces which are engaged by bulbous rims on the gasket which prevent the gasket from being dislodged from the channel when at least one pipe element is inserted into the central space. Side surfaces may also have support surfaces between the capture surfaces. The gasket supports the segments in a preassembled state wherein the segments are in spaced relation sufficient to permit insertion of one or more pipe elements while the segments are attached end to end.

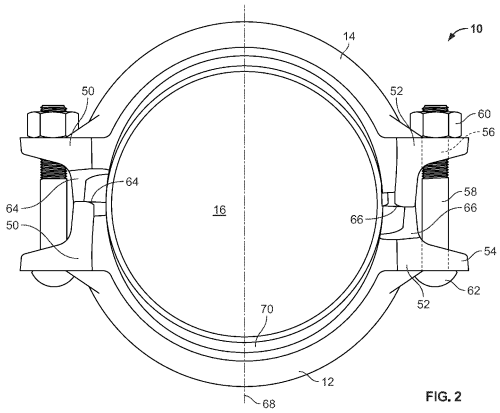
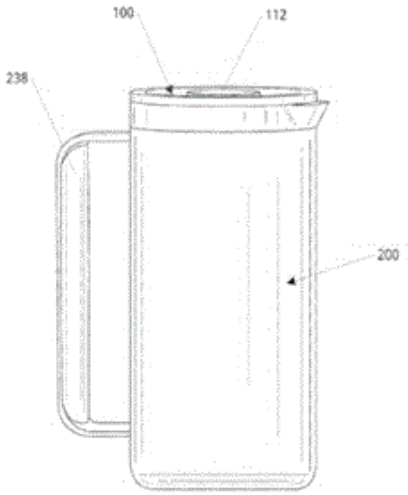
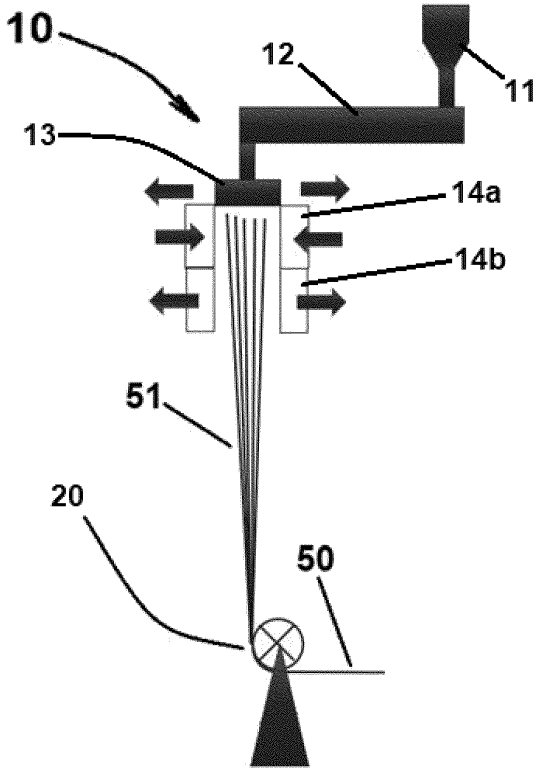


FIG. 2

21: 2026/06243. 22: 2026/06/11. 43: 2026/08/28
51: A47J
71: YETI COOLERS, LLC
72: BULLOCK, DUSTIN R, DIDOMENICO, DANIEL R, SCHAFFNER, LUKE
33: US 31: 18/389,025 32: 2023-11-13
54: CONTAINER AND FRENCH PRESS AND METHODS ASSOCIATED THEREWITH
00: -
An insulated container assembly and French press assembly can be configured to retain beverages. The French press assembly may be secured to a container for mixing and pouring beverages. The French press assembly may include a lid assembly and the base assembly connected by a connect rod. The lid assembly may include a handle and a lid with the handle connected to a first end of the connect rod and the lid slidably connected to the connect rod. The base assembly may be connected to a second end of the connect rod. The base assembly may include a plunger with a valve and a wiper gasket. The valve may be located on a top side of the plunger and the wiper gasket may be located around a periphery of the plunger.

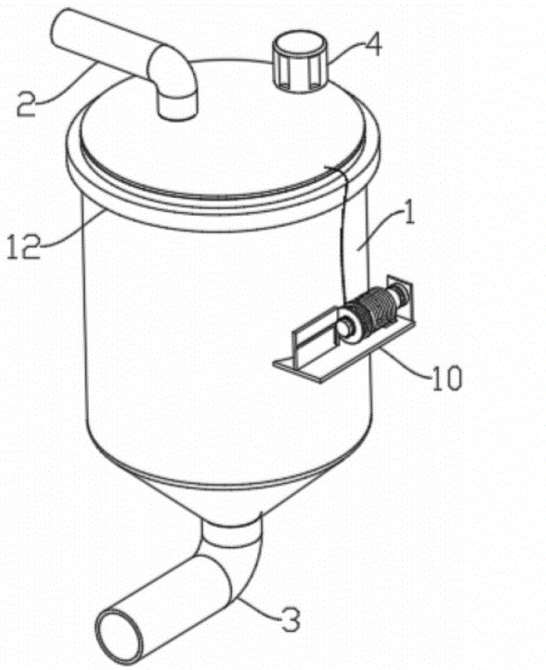


21: 2026/06863. 22: 2026/07/02. 43: 2026/09/28
51: B32B
71: FIBERTEX PERSONAL CARE A/S, REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK
72: HANSEN, Morten Rise, SOMMER, Sebastian, WOSCH, Niklas
33: EP 31: 24156711.4 32: 2024-02-09
54: ELASTIC NONWOVEN LAMINATE COMPRISING MACHINE DIRECTION ORIENTED FIBERS
00: -
The present invention relates to an elastic nonwoven laminate comprising at least one facing layer comprising a nonwoven material and an elastic engine comprising elastic fibers that are substantially parallel and oriented substantially in the machine direction of the laminate. The invention further proposes a method of manufacturing that allows obtaining such elastic nonwoven laminate.



21: 2026/07203. 22: 2026/07/14. 43: 2026/09/28
51: B65D
71: SHANGHAI FUDE MACHINERY MANUFACTURING CO., LTD
72: Gang LIU, Hong LIU
33: CN 31: 202510396620.X 32: 2025-04-01
54: WASTE COLLECTION APPARATUS FOR JELLY CANDY PRODUCTION
00: -
Provided is a waste collection apparatus for jelly candy production, which relates to the technical field of waste collection. The apparatus includes a recovery tank and a feeding pipe. A heating wire is disposed inside the recovery tank. The feeding pipe is disposed on a top surface of the recovery tank, and a discharge pipe is disposed on a bottom surface of the recovery tank. The apparatus further includes: a servo motor, fixedly mounted at a top surface edge position of the recovery tank; a cleaning assembly, disposed inside the recovery tank, and configured to clean adhered materials on an inner wall of the recovery tank; and a rotating sleeve, rotatably mounted on an inner top surface of the recovery tank. Compared with the prior art, in the present disclosure, a screw is driven to rotate by

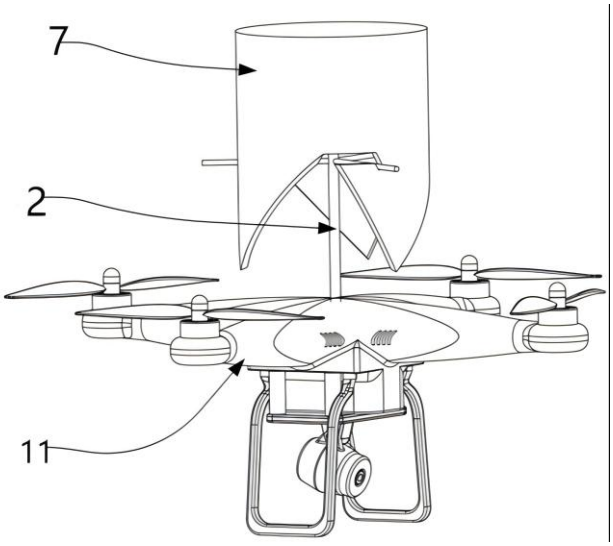
using the servo motor. The inner wall of the recovery tank is completely cleaned by using scraping plates and scraping strips, so that both the bottom and the upper part thereof can be effectively cleaned. Design of the scraping plates and the scraping strips ensures that waste adhered to the inner wall of the recovery tank can be scraped off thoroughly, thereby avoiding waste residues, and improving recovery efficiency and quality of waste liquid.



21: 2026/07246. 22: 2026/07/15. 43: 2026/08/05
51: C08K; C08L
71: RHODIA OPERATIONS
72: MAKRYGENNI, Ourania, HARLE, Virginie, PELLERIN, Morgane, CHO, Jian-Yang, REVEST, Xavier
33: EP(FR) 31: 23217615.6 32: 2023-12-18
54: BARIUM MAGNESIUM SILICATES AND ORTHO-HYDROXYPHENYL TRIAZINE UV ABSORBERS IN A GREENHOUSE FILM
00: -
The present invention relates to a composition comprising a matrix material comprising a polymer, barium magnesium silicate (BMS), and an ortho-5 hydroxyphenyl triazine compound.

21: 2026/07247. 22: 2026/07/15. 43: 2026/08/05
51: C08K; C08L
71: RHODIA OPERATIONS
72: MAKRYGENNI, Ourania, HARLE, Virginie, PELLERIN, Morgane, CHO, Jian-Yang, REVEST, Xavier
33: EP(FR) 31: 23217618.0 32: 2023-12-18
54: BARIUM MAGNESIUM SILICATES AND 2-HYDROXYPHENYLBENZOTRIAZOLE UV ABSORBERS IN A GREENHOUSE FILM
00: -
The present invention relates to a composition comprising a matrix material comprising a polymer, barium magnesium silicate (BMS), and a 2-hydroxyphenylbenzotriazole compound.

21: 2026/07530. 22: 2026/07/22. 43: 2026/10/06
51: B64F
71: ORDOS XIANGTIANFEIYU UAV TECHNOLOGY CO., LTD.
72: Xiaokun YANG, Yudong DU
33: CN 31: 202411078985.X 32: 2024-08-07
33: CN 31: 202411079049.0 32: 2024-08-07
33: CN 31: 202411079087.6 32: 2024-08-07
54: LANDING GEAR, UNMANNED AERIAL VEHICLE, AIRCRAFT, LANDING PAD SYSTEM, PERCH SYSTEM AND METHOD
00: -
The present invention discloses a landing gear, unmanned aerial vehicle, aircraft, landing pad system, perch system and method, relating to the technical field of aircraft. Through the cooperation of the locking member and the locking mechanism, the aircraft can dock inside the aircraft perching device, which eliminates the need for complex mechanical devices such as mechanical grippers, simplifies the structure of the landing gear, reduces the overall weight of the aircraft and landing gear, as well as the power consumption of the aircraft, and extends the endurance time of the aircraft. Furthermore, in the present invention, the landing gear is arranged on the back of the aircraft, which enables the avoidance arrangement between the aircraft mounting equipment and the landing gear, allowing the aircraft to dock in the aircraft perching device via the landing gear when endurance time is insufficient, and to continue operations such as photography and video recording, thus saving the energy consumed by continuous flight of the aircraft, thereby further extending the endurance time of the aircraft. (Fig. 5)



21: 2026/08804. 22: 2026/09/07. 43: 2026/09/28
51: B01D; C01F; C07C
71: AEON BLUE INC.
72: UA CEARNAIGH, Deóis Chiaráin Mac Séamuis
33: US 31: 63/598,524 32: 2023-11-13
33: US 31: 63/574,617 32: 2024-04-04
33: US 31: 63/655,908 32: 2024-06-04
54: CARBON CAPTURE AND CARBON DIOXIDE PRODUCTION
00: -
A method of producing carbon dioxide is disclosed. The method provides a first reactant comprising a metal carbonate, flowing a chlorine gas into a first vessel comprising the first reactant to form a first gas mixture, flowing the first gas mixture into a second vessel comprising sodium carbonate to form a second gas mixture, flowing the second gas mixture into a third vessel comprising an activated metal catalyst, and contacting the second gas mixture with the activated metal catalyst to form a third gas mixture. Apparatus for producing carbon dioxide is also disclosed.

600

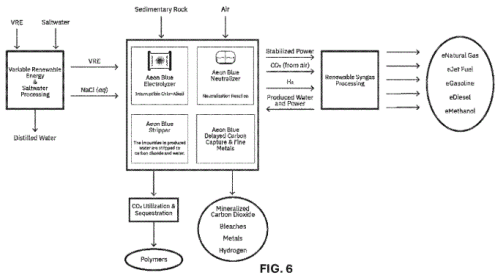
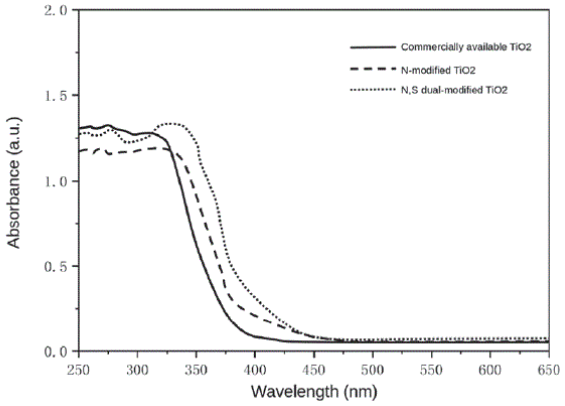


FIG. 6

21: 2026/08850. 22: 2026/09/08. 43: 2026/10/05
51: C09D
71: ZHEJIANG HUAPU ECO-FRIENDLY MATERIALS CO., LTD.
72: SHEN, Longbin, WANG, Yi, ZHONG, Pingwu, ZHAO, Hanzhe, SHEN, Jiadan, SHEN, Ze
33: CN 31: 202511388870.5 32: 2025-09-26
54: COLOR-COATED ALUMINUM PLATE WITH HIGH COATING ADHESION, WATERBORNE FLUOROCARBON PAINT AND FILM-FORMING AID
00: -
The present application belongs to the technical field of building materials and surface coating. The present application provides a color-coated aluminum plate with high coating adhesion, a waterborne fluorocarbon paint and a film-forming aid. Specifically, the present application discloses a color-coated aluminum plate with high coating adhesion, which is prepared by roller-coating a waterborne fluorocarbon paint on an aluminum plate. The color-coated aluminum plate with high coating adhesion provided in the present application has relatively high gloss and excellent weather resistance, and does not need a primer for enhancing adhesion in a preparation process thereof, thereby simplifying preparation process steps.



21: 2026/08934. 22: 2026/09/10. 43: 2026/09/28
51: G06F
71: LUVELO SOLUTIONS, LLC
72: VANDERWAL, Harry, VANDERWAL, Echo, RIGGLEMAN, Samuel
33: US 31: 63/570,034 32: 2024-03-26
54: COMPREHENSIVE ERP AND INTEGRATED COMPREHENSIVE ERP AND INTEGRATED HEALTHCARE ECOSYSTEM AND ASSOCIATED METHOD OF USE
00: -
A computerized medical services system that includes at least one processor for obtaining identification of the patient and obtaining registration for a visit via the at least one processor, wherein the at least one input device registers healthcare services that include laboratory services, radiology services, outpatient services, inpatient services, immunization services, emergency, and pharmacy services and then determine diagnosis and treatment throughout a patient visit, with artificial intelligence analyzes the diagnosis and treatment information and generates warnings, errors, corrective actions correlated with treatment protocols and documentation. In addition to patient flow, immunizations, laboratory information, work shifts, attendance, dynamic forms, security sign-in and sign-out, tasks, telehealth hubs, pharmaceutical vending machines, medical gas, payroll, immunizations, loans, time, attendance, human resources, contracts, recruitment, air conditioning, and the entire supply chain process are also electronically managed.

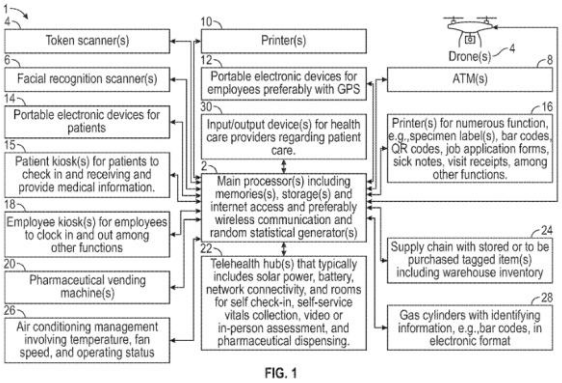
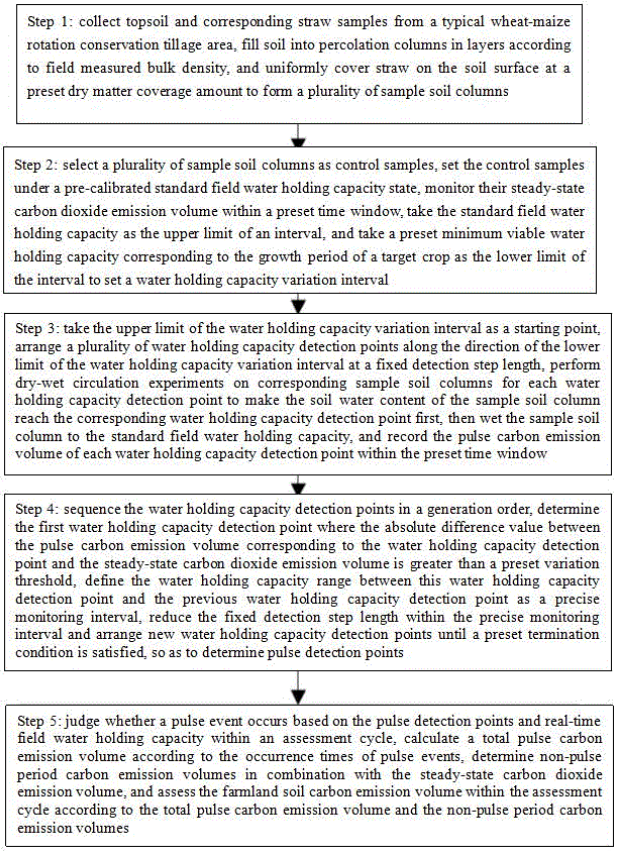


FIG. 1

21: 2026/08966. 22: 2026/09/11. 43: 2026/09/28
51: G06Q
71: Bayin Guoleng Vocational and Technical College
72: YUAN Xiaowei, GAO Zhitao, LYU Huijie
33: CN 31: 2026106856988 32: 2026-05-19
54: CROP CARBON FOOTPRINT ASSESSMENT METHOD AND SYSTEM THEREOF
00: -
The invention discloses a crop carbon footprint assessment method and a system thereof, and relates to the technical field of carbon emission assessment. The method includes the following steps: collecting topsoil and straw samples in a wheat-maize rotation conservation tillage area, constructing percolation column experimental devices according to field measured soil bulk density with different dry matter coverage amounts and water holding capacity variation intervals set; performing dry-wet alternating cycle experiments to determine pulse detection points, accurately monitoring pulse carbon emission volume, calculating total pulse carbon emission volume by combining real-time field water holding capacity to judge the occurrence frequency of pulse events; meanwhile calculating carbon emission volume in non-pulse periods combined with steady-state carbon dioxide emission volume, and finally assessing total farmland soil carbon emission volume within an assessment cycle. The method takes the influences of dry-wet alternation, coverage amount and dynamic water variation on carbon emissions into account, and is applicable to accurate assessment of farmland carbon footprint.

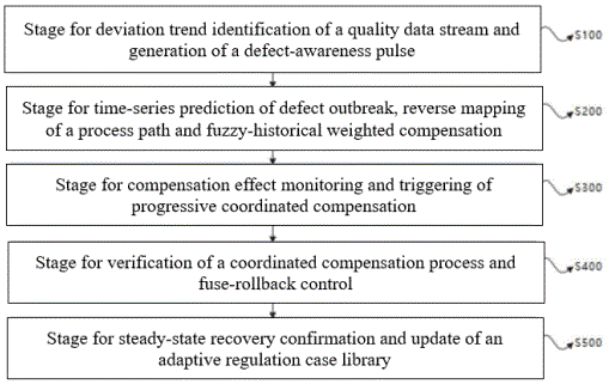


21: 2026/09060. 22: 2026/09/15. 43: 2026/09/28
51: F16K
71: Wenzhou Ataike Machinery Technology Co., Ltd.
72: Lai Junling, Wang Xiaodong, Lin Chuanqin, Jiang He, Zhang Han
33: CN 31: 2026104881612 32: 2026-04-14

54: METHOD AND SYSTEM FOR ONLINE QUALITY REGULATION OF VALVE FITTINGS

00: -

The present invention relates to the technical field of intelligent manufacturing and industrial automated inspection, and provides a method and a system for online quality regulation of valve fittings. The present invention identifies a deviation trend and generates a defect-awareness pulse through real-time monitoring of the production line quality data stream, and deduces a defect outbreak time based on a time-series prediction model to reverse-map a process path. The system adopts a fuzzy-historical weighted intelligent compensation mechanism to dynamically fine-tune processing parameters, and introduces coordinated compensation and a fuse-rollback mechanism to ensure safe and effective regulation. Successful regulation cases are ultimately stored in the historical successful regulation case library. The present invention realizes advanced prediction and real-time precise regulation of quality defects during the production process of valve fittings, effectively reduces the scrap rate, and improves the intelligence level of the production line and product quality stability.



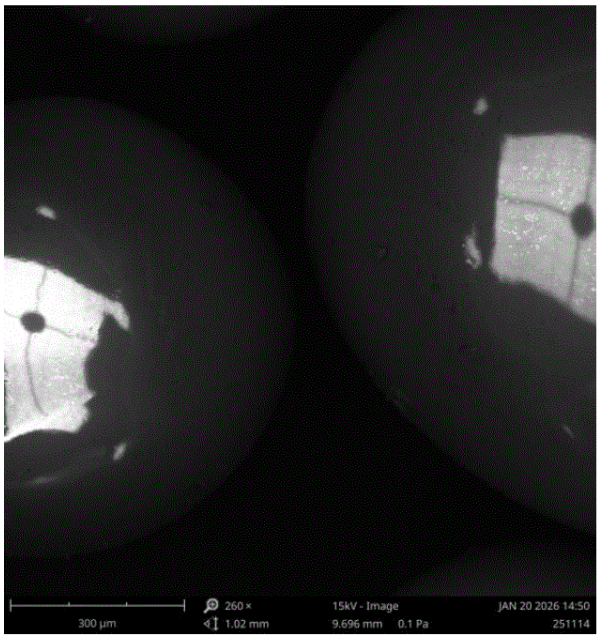
21: 2026/09160. 22: 2026/09/17. 43: 2026/09/28
51: C09C
71: Zhejiang Jinkun SiLi Ceramic Beads Co., Ltd., Zhejiang Jinkun Zirconium Industry Co., Ltd., Tiantai Jingong SiLi Glass Beads Co., Ltd.
72: Yusheng Fan, Tingting Jiang
33: CN 31: 202610197083.0 32: 2026-02-11

54: HIGH-REFRACTIVE-INDEX GLASS MICROBEADS AND PREPARATION METHOD THEREFOR

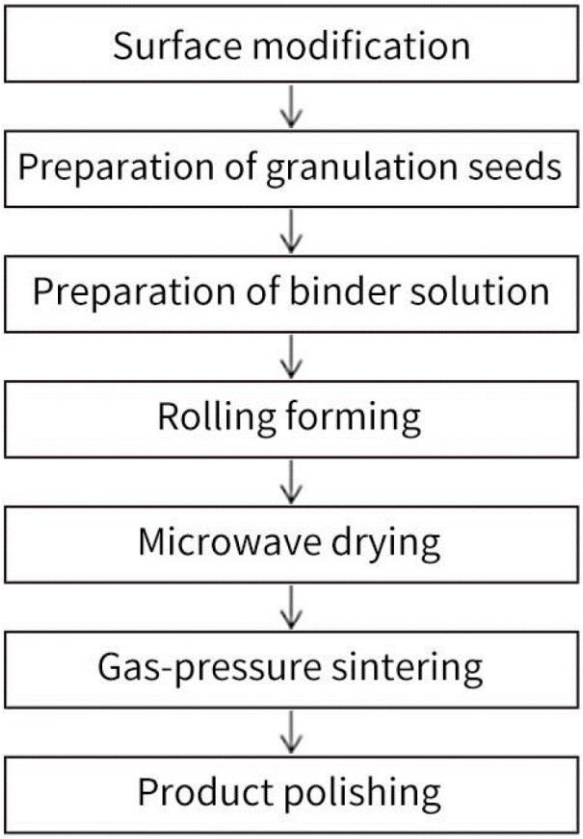
00: -

The present invention discloses a method for preparing high-refractive-index glass microbeads, including: mixing: mixing SiO2, TiO2, BaO, CaO, BaSO4, and ZrO2 raw materials in proportion to obtain a batch; sieving: sieving the batch to ensure uniform mixing; electric melting: placing the sieved batch in an electric furnace for melting, fining, and homogenization to form homogenized molten glass; centrifugal bead casting: passing the homogenized glass melt through a centrifugal bead casting device to form glass microbead precursors and collecting the glass microbead precursors; annealing: annealing the collected glass microbead precursors to eliminate internal stress; and flame polishing: performing flame exposure treatment on the annealed glass microbeads by using a set of flame spray guns to obtain high-refractive-index glass microbeads having smooth surfaces. Through improvements to the melting and fining process and the polishing process, suppressing crystallization inside and on the surfaces of the glass microbeads

is realized to obtain high-refractive-index glass microbeads having characteristics including a high refractive index, a low crystallization rate, and a high coefficient of retroreflection.

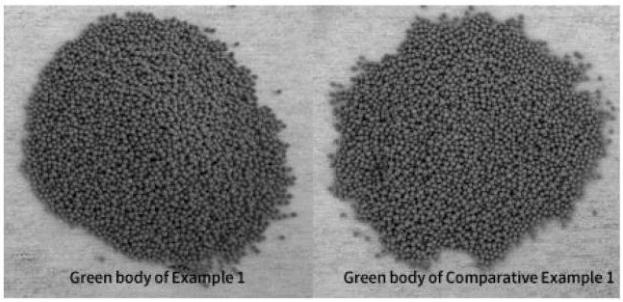


21: 2026/09195. 22: 2026/09/18. 43: 2026/10/05
51: C04B
71: Zhejiang Jinkun SiLi Ceramic Beads Co., Ltd., Zhejiang Jinkun Zirconium Industry Co., Ltd., Tiantai Jingong SiLi Glass Beads Co., Ltd.
72: Tingting Jiang, Yusheng Fan
33: CN 31: 202610404910.9 32: 2026-03-31
54: SILICON NITRIDE CERAMIC BALL AND PREPARATION METHOD THEREFOR
00: -
Disclosed are a silicon nitride ceramic ball and a preparation method therefor. Gamma-Aminopropyltriethoxysilane is mixed with alpha-silicon nitride powder and stirred for 5-10 min to obtain modified silicon nitride powder. The modified powder is isostatically pressed into a dense compact and crushed into 0.1-0.2 mm granulation seeds. A binder solution is prepared from polyvinyl butyral and polysilazane. The modified powder and granulation seeds are roll-formed in a sugar-coating machine while the binder solution is sprayed onto the spheres, thereby forming silicon nitride green spheres. The green spheres are microwave-dried at a selected power, gas-pressure sintered at a selected temperature for a selected period, and polished to obtain finished silicon nitride ceramic balls.

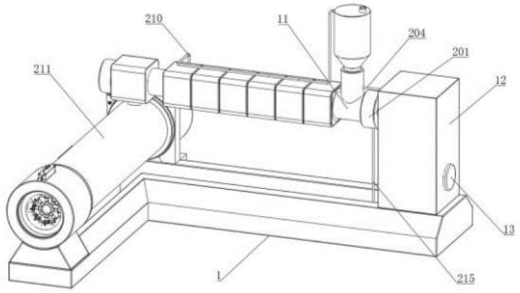


21: 2026/09197. 22: 2026/09/18. 43: 2026/10/05
51: H01L
71: Zhejiang Jinkun SiLi Ceramic Beads Co., Ltd., Zhejiang Jinkun Zirconium Industry Co., Ltd., Tiantai Jingong SiLi Glass Beads Co., Ltd.
72: Wei Gao, Tingting Jiang, Linfang Wang, Yan Zheng, Shijiao Ye
33: CN 31: 202610728156.4 32: 2026-05-26
54: THERMORESPONSIVE COMPOSITE BINDER SUITABLE FOR DRY PRESSING OF SILICON NITRIDE AND USE THEREOF
00: -
A thermoresponsive composite binder for dry pressing of silicon nitride comprises, by weight, 5-15 parts linear poly(N-isopropylacrylamide), 2-8 parts polyvinyl butyral, 3-8 parts plasticizer, 0.5-2 parts dispersant, and 65-85 parts solvent. The poly(N-isopropylacrylamide) has a lower critical solution temperature of 32-42 degrees Celsius and temperature-responsive viscosity enhancement; the polyvinyl butyral reinforces a green body; and both have low-carbon molecular structures. The binder is

used through mixing and granulation, temperature-controlled compaction, cooling and demolding, staged debinding, and sintering. Its addition is 1-3% of the silicon nitride powder mass. The process reduces mold sticking, provides a green-body flexural strength of 7-10 MPa and residual carbon after debinding of less than or equal to 0.1%, and yields sintered ceramic having density greater than or equal to 96% and flexural strength greater than or equal to 800 MPa, supporting mass production.

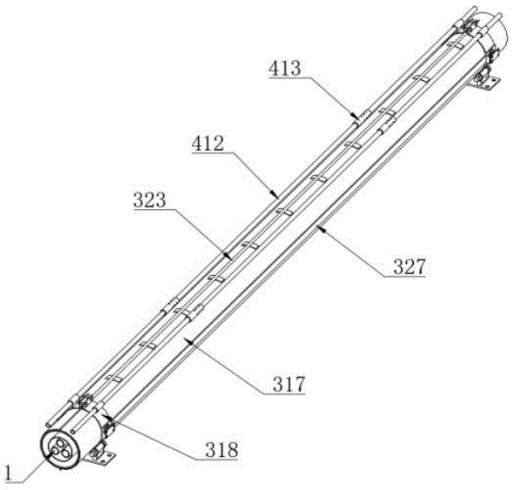


21: 2026/09234. 22: 2026/09/21. 43: 2026/10/05
51: B29C
71: Shunxin Cable Co., Ltd.
72: GENG, Litao, CAO, Xiaomei, GENG, Lei, NING, Qiyuan, ZHU, Xiaoqi, WANG, Jianchuang, XUE, Han, LI, Lishuang
33: CN 31: 202511170847.9 32: 2025-08-21
54: AUTOMATED AND USER-FRIENDLY EXTRUDER FOR PRODUCING CABLES
00: -
The present application provides an automated and user-friendly extruder for producing cables, which relates to the technical field of power cables, and includes a frame. A barrel is mounted on the top of the frame, and a machine base is mounted on one end of the barrel. An impeller is rotatably installed inside the machine base. A material cylinder is mounted on the top of the barrel on its outer peripheral surface. A bent pipe is connected to the bottom of the outer peripheral surface of the material cylinder. A cavity is provided in a side wall of the material cylinder, and a shaft rod is rotatably installed inside the material cylinder. The present application can recover and multiply convert and utilize the heat emitted by the molten material, promote more efficient and stable solidification and setting of the molten material, indirectly save water for cooling, and make the processing more environmentally friendly. Without consuming external energy, it can realize simultaneous preheating of the raw material pellets, which reduces energy consumption, improves the energy-saving performance of the extruder, ensures sufficient melting of the raw material pellets, improve their melting uniformity, thereby stabilizing the extrusion output, and thus enhancing the dimensional accuracy of the formed product.



21: 2026/09235. 22: 2026/09/21. 43: 2026/10/05
51: H01B
71: Ninglian Cable Group Co., Ltd.
72: NING, Jianshe, NING, Jiandong, MA, Bingjiao, GAO, Zhifeng, GENG, Chengdong
33: CN 31: 202511781328.6 32: 2025-11-29
54: CRACK-RESISTANT AND COLD-RESISTANT POWER CABLE
00: -
The present application discloses an anti-cracking and cold-resistant power cable, and relates to the technical field of cables. Four threaded inner pipes are connected at equal intervals on two sides of the annular disk on its outer periphery. Sealing arc plates are connected to the top and bottom of the outer periphery of the annular disk. Heating wires are connected on two sides of the annular disk on its inner periphery. A plurality of arc-shaped frames are sleeved at equal intervals on an outer side of the outer sheath at its two ends. Connecting lugs are connected to two ends of each arc-shaped frame. Semicircular plates are welded to opposite faces of the connecting lugs. A heating rod is connected between two adjacent semicircular plates. In the present application, alternating current is supplied to the external connecting wire and the internal connecting wire, air is delivered into the annular disks and the ventilation hoses, to heat the annular disks and the ventilation hoses. Alternating current is supplied to the internal connecting wire, so that under the action of eddy currents, the temperature of

the iron foil rises, and under the action of thermal conduction, the ice layer on the surface of the outer sheath is melted. Manual on-site de-icing is not required, and the working efficiency is high. In addition, heating the cable avoids excessive stress concentration and reduces the risk of cable breakage.

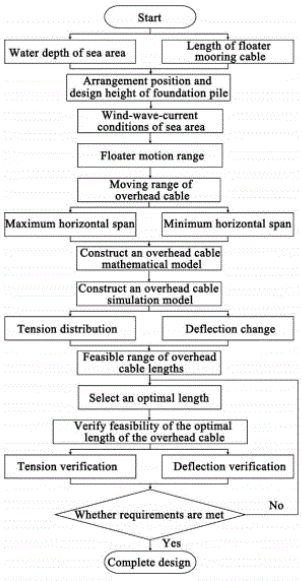


21: 2026/09259. 22: 2026/09/22. 43: 2026/09/28
51: H02G
71: Tianjin University of Technology
72: FU, Qiang, ZHANG, Hao, ZHANG, Liqian, CUI, Lin
33: CN 31: 202610660251.5 32: 2026-05-14

54: METHOD FOR DESIGNING OVERHEAD CABLE FOR OFFSHORE FIXED AND FLOATING PHOTOVOLTAICS

00: -

Disclosed is a method for designing an overhead cable for offshore fixed and floating photovoltaics, including: determining an arrangement position and a design height of a fixed photovoltaic foundation pile according to a water depth condition of a sea area and floater parameters; determining a moving boundary range of a floater according to wind-wave-current environmental conditions of a target sea area, so as to determine parameters including a maximum horizontal span and a minimum horizontal span of the overhead cable; and establishing an overhead cable mathematical model based on a catenary theory, and selecting an optimal value of an overhead cable length with a tension safety threshold and a deflection limit value of the overhead cable as constraints, and verifying feasibility. The present invention can improve operation safety of the overhead cable, providing scientific support for design of an offshore photovoltaic power transmission system.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

NOTICE

Change in address of address for service for patent, trademark, design and copyright filings. As from **5 October 2026**, Smit & Van Wyk, Inc has relocated to new offices situated at:

Smit & Van Wyk

1st Floor, Attlynn Corner Building

379 Lynnwood Road

Menlo Park

Pretoria

0081

Their Docex address (Docex 111, Brooklyn) and Telephone details (012 349 7800) remain unchanged.

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 2026/09/23 -

A2026/01128 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01127 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01139 - VINOLOK, a.s. Class 09. SEALING CAPSULES FOR BOTTLES

A2026/01137 - VINOLOK, a.s. Class 09. SEALING CAPSULES FOR BOTTLES

A2026/01136 - VINOLOK, a.s Class 09. SEALING CAPSULES FOR BOTTLES

A2026/01135 - VINOLOK, a.s. Class 09. SEALING CAPSULES FOR BOTTLES

A2026/01131 - CORPMAN CC Class 20. BILLBOARD

A2026/01125 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01122 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01120 - DR. ING. H.C. F. PORSCHE AKTIENGESELLSCHAFT Class 21. MODEL CARS

A2026/01133 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

A2026/01123 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01129 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01121 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01126 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01138 - VINOLOK, a.s. Class 09. SEALING CAPSULES FOR BOTTLES

A2026/01134 - VINOLOK, a.s. Class 09. SEALING CAPSULES FOR BOTTLES

A2026/01119 - DR. ING. H.C. F. PORSCHE AKTIENGESELLSCHAFT Class 12. AUTOMOBILES

A2026/01124 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

A2026/01132 - MARCOPOLO S.A. Class 26. VEHICLE LIGHTING DEVICE, SPECIFICALLY A HEADLAMP FOR A BUS

F2026/01140 - JARDINE, Ivan Class 24. NASAL SPLINT

A2026/01130 - KONINKLIJKE PHILIPS N.V. Class 28. SHAVERS

. - APPLIED ON 2026/09/25 -

F2026/01142 - Hamer Offroad Pty Ltd Class 12. VEHICLE BULL BAR

A2026/01141 - Hamer Offroad Pty Ltd Class 12. VEHICLE BULL BAR

. - APPLIED ON 2026/09/28 -

A2026/01145 - HUAWEI TECHNOLOGIES CO., LTD. Class 14. OPTICAL FIBRE CONNECTOR

A2026/01149 - Lesego Gwai Class 03. CROCHET HANDBAGS

F2026/01146 - Giyani Africa Projects (Pty) Ltd Class 25. TOMBSTONES

A2026/01144 - CEAT LIMITED Class 12. TYRE

. - APPLIED ON 2026/09/29 -

A2026/01157 - SODASTREAM INDUSTRIES LTD. Class 9. CAP

A2026/01156 - WOTA CORP. Class 23. WASTEWATER TREATMENT DEVICE

A2026/01151 - BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT Class 12. MOTOR VEHICLES

A2026/01158 - Rethabile Karabelo Mohapi Class 09. BEVERAGE CAN

A2026/01152 - BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT Class 12. MOTOR VEHICLES

F2026/01150 - Neo Matthews Midaka Class 12. BATTERY ANTI-THEFT LOCKING COVER

A2026/01154 - CHERY NEW ENERGY AUTOMOBILE TECHNOLOGY CO., LTD. Class 12. AUTOMOBILES

A2026/01153 - GHI INC. Class 2. STITCH MARKERS

A2026/01159 - Leevashni Nicolene Dass Class 02. LEGGINGS WITH INTEGRATED FANNY PACK AND MULTI-COMPARTMENT CARDHOLDER

A2026/01155 - LUOSSAVAARA-KIIRUNAVAARA AB Class 25. GRATE BARS

. - APPLIED ON 2026/09/30 -

A2026/01165 - HUAWEI TECHNOLOGIES CO., LTD. Class 14. ANTENNAS

A2026/01163 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

A2026/01161 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

A2026/01160 - DE SWARDT, Wouter Class 10. SIGNALLING DEVICE

A2026/01162 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

A2026/01164 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

. - APPLIED ON 2026/10/01 -

A2026/01167 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENTS

A2026/01170 - SFG BOX (PTY) LTD T/A SFG TECHNOLOGIES Class 09. A CONTAINER FOR THE HANDLING OF PROPAGATION MATERIAL

F2026/01171 - SFG BOX (PTY) LTD T/A SFG TECHNOLOGIES Class 05. A SHEET MATERIAL FOR THE HANDLING OF PROPAGATION MATERIAL

A2026/01166 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENTS

A2026/01172 - SFG BOX (PTY) LTD T/A SFG TECHNOLOGIES Class 05. A SHEET MATERIAL FOR THE HANDLING OF PROPAGATION MATERIAL

A2026/01168 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENTS

F2026/01169 - SFG BOX (PTY) LTD T/A SFG TECHNOLOGIES Class 09. A CONTAINER FOR THE HANDLING OF PROPAGATION MATERIAL

. - APPLIED ON 2026/10/02 -

A2026/01177 - PHILIP MORRIS PRODUCTS S.A. Class 9. PACKAGING OR PACKAGING BOX, FOR EXAMPLE PACKAGING BOX FOR ELECTRONIC CIGARETTE CONSUMABLES OR PARTS

A2026/01176 - PHILIP MORRIS PRODUCTS S.A. Class 9. PACKAGING OR PACKAGING BOX, FOR EXAMPLE PACKAGING BOX FOR ELECTRONIC CIGARETTE CONSUMABLES OR PARTS

F2026/01173 - MOATSHE CREATION (PTY) LTD Class 8. A HANDSAW

A2026/01175 - PHILIP MORRIS PRODUCTS S.A. Class 9. PACKAGING OR PACKAGING BOX, FOR EXAMPLE PACKAGING BOX FOR ELECTRONIC CIGARETTE PARTS OR CONSUMABLES

A2026/01174 - Suzuki Motor Corporation Class 12. AUTOMOBILE

. - APPLIED ON 2026/10/05 -

F2026/01178 - SOW DELICIOUS CC Class 19. PLANT-GROWING HARVEST CALENDAR

F2026/01179 - KHABONINA NOBANTU HLATSHWAYO Class 07. A COLLAPSIBLE BUCKET WITH A HEIGHT-ADJUSTABLE WHEELED STAND

A2026/01180 - KHABONINA NOBANTU HLATSHWAYO Class 07. A COLLAPSIBLE BUCKET WITH A HEIGHT-ADJUSTABLE WHEELED STAND

A2026/01189 - khanyo, khanyo yekwa Class 32. KHANYO YEKWA

. - APPLIED ON 2026/10/06 -

A2026/01185 - GRAND PLASTICS (PTY) LTD Class 09. SLEEVE FOR AN EGG TRAY

A2026/01183 - GRAND PLASTICS (PTY) LTD Class 09. SLEEVE FOR AN EGG TRAY

A2026/01182 - CHERY AUTOMOBILE CO., LTD. Class 12. AUTOMOBILES

F2026/01184 - GRAND PLASTICS (PTY) LTD Class 09. SLEEVE FOR AN EGG TRAY

A2026/01181 - Nomshado Ninela Class 28. SILKSECURE IRONING WIG STAND IW-200

A2026/01187 - GRAND PLASTICS (PTY) LTD Class 09. SLEEVE FOR AN EGG TRAY

F2026/01188 - GRAND PLASTICS (PTY) LTD Class 09. SLEEVE FOR AN EGG TRAY

F2026/01186 - GRAND PLASTICS (PTY) LTD Class 09. SLEEVE FOR AN EGG TRAY

. - APPLIED ON 2026/10/07 -

A2026/01191 - YETI COOLERS, LLC Class 3. CONTAINER

A2026/01192 - YETI COOLERS, LLC Class 3. CONTAINER

A2026/01194 - APPLE INC. Class 14. HEADPHONES

F2026/01195 - MPACT LIMITED Class 9. BLANK FOR A CARTON

A2026/01193 - APPLE INC. Class 14. HEADPHONES

A2026/01190 - YETI COOLERS, LLC Class 3. CONTAINER

A2026/01196 - MPACT LIMITED Class 9. CARTON

. - APPLIED ON 2026/10/08 -

F2026/01199 - Hamer Offroad Pty Ltd Class 12. VEHICLE BULL BAR

A2026/01197 - POLYOAK PACKAGING (PTY) LTD Class 09. CONTAINER WITH A LID

A2026/01201 - Pharmapac (Pty) Ltd Class 9. CONTAINERS

F2026/01202 - Pharmapac (Pty) Ltd Class 9. CLOSURES FOR CONTAINERS

A2026/01198 - Hamer Offroad Pty Ltd Class 12. VEHICLE BULL BAR

A2026/01200 - Pharmapac (Pty) Ltd Class 9. CLOSURES FOR CONTAINERS

. - APPLIED ON 2026/10/13 -

A2026/01203 - MOGOTLANE, Katleho Lucky Class 12. AUTOMOBILE

. - APPLIED ON 2026/10/14 -

A2026/01207 - SODASTREAM INDUSTRIES LTD. Class 9. BOTTLE

A2026/01206 - SODASTREAM INDUSTRIES LTD. Class 9. BOTTLE

A2026/01210 - SODASTREAM INDUSTRIES LTD. Class 9. BOTTLE

A2026/01208 - SODASTREAM INDUSTRIES LTD. Class 9. BOTTLE

F2026/01204 - SILAFRICA Kenya Ltd Class 09. A CRATE FOR TRANSPORTATION OF LIVE POULTRY

A2026/01205 - SODASTREAM INDUSTRIES LTD. Class 9. BOTTLE

A2026/01211 - FERRARI S.P.A. Class 12. SAILING BOAT

A2026/01209 - SODASTREAM INDUSTRIES LTD. Class 9. BOTTLE

. - APPLIED ON 2026/10/15 -

A2026/01215 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENTS

F2026/01213 - Louise Williamson Class 07. COOKSTOVE- UMOJA MASHESHA

A2026/01214 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENTS

F2026/01212 - Louise Wiliamson Class 07. COOKING STOVE

. - APPLIED ON 2026/10/16 -

A2026/01216 - PETERHUTCHINSONDESIGNS(PTY)LTD Class 19. SELF-ADHESIVE WINDSCREEN LICENCE DISC

. - APPLIED ON 2026/10/19 -

A2026/01217 - CHERY COMMERCIAL VEHICLE (SHANDONG) TECHNOLOGY CO., LTD. Class 12. AUTOMOBILES

A2026/01218 - Versuni Holding B.V. Class 07. ESPRESSO COFFEE MACHINES

. - APPLIED ON 2026/10/20 -

A2026/01219 - AUTOMOBILI LAMBORGHINI S.P.A. Class 12. VEHICLES

. - APPLIED ON 2026/10/21 -

A2026/01223 - MANHOLES 4 AFRICA (PTY) LTD Class 14. BRACKET

F2026/01222 - MANHOLES 4 AFRICA (PTY) LTD Class 14. BRACKET

F2026/01224 - MANHOLES 4 AFRICA (PTY) LTD Class 14. BRACKET

F2026/01225 - 710 PRODUCTZ (PTY) LTD Class 2. SAFETY VEST

A2026/01220 - MOGA TECHNOLOGY CO., LTD. Class 15. ROBOTS

A2026/01221 - MANHOLES 4 AFRICA (PTY) LTD Class 14. BRACKET

. - APPLIED ON 2026/10/22 -

A2026/01229 - CHERY AUTOMOBILE CO., LTD. Class 12. AUTOMOBILES

A2026/01228 - CHERY AUTOMOBILE CO., LTD. Class 12. AUTOMOBILES

F2026/01227 - CHISURO, Sandisiwe Sandra Class 09. CONTAINER (TOWELETTE WARMING)

A2026/01226 - PETERHUTCHINSONDESIGNS (PTY) LTD Class 14. DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

Notice is hereby given that: **DAVANTI TYRES LIMITED of Oak House, Woodlands Park, Ashton Road, Newton-le-Willows WA12 0HF, United Kingdom** has made application for the restoration of the design registered to the said: **DAVANTI TYRES LIMITED** for the Design **TYRE TREAD** Application number: **A2021/00782** date: **05/07/2021** which becomes void on **06/01/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

REGISTRAR OF DESIGNS

Notice is hereby given that: **GERT ELS 1 PIENAAR STREET STELFONTEIN 2551** has made application for the restoration of the design registered to the said: **GERT ELS** for the Design **FURNITURE** Application number: **F2017/00991** date: **19/06/2017** which becomes void on **19/06/2020** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

REGISTRAR OF DESIGNS

Notice is hereby given that: **MARC BARNFARTHER 422 Crescent street, Pringle Bay 7196 Western Cape** has made application for the restoration of the design registered to the said: **MARC BARNFARTHER** for the Design **PANTY** Application number: **F2022/00813** date: **15/07/2022** which becomes void on **15/07/2026** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

REGISTRAR OF DESIGNS

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

REPUBLIC OF SOUTH AFRICA

DESIGNS ACT, No. 195 OF 1993

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 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. : A2026/00787

Applicant : IKON TYRES LTD

Class : 12

Article to which the Design is to be Applied: TIRE

Date of Lodgment: 16/07/2026

Registrar of Designs

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 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. : F2022/01390

Applicant : BUZANI MESHACK MKHUMA

Class : 25-02

Article to which the Design is to be Applied: FLUID DISTRIBUTION INC

Date of Lodgment: 04/11/2022

Registrar of Designs

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 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. : A2026/00772

Applicant : NO SMUDGE JUST GLAM

Class : 02

Article to which the Design is to be Applied: MAKE-UP PROTECTION HOOD

Date of Lodgment: 14/07/2026

Registrar of Designs

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 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. : A2026/00830

Applicant : NO SMUDGE JUST GLAM

Class : 02

Article to which the Design is to be Applied: BEAUTY PROTECTION HOOD

Date of Lodgment: 14/07/2026

Registrar of Designs

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 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. : A2026/00446

Applicant : DR. ING. H.C.F PORSCHE AKTIENGESELLSCHAFT

Class : 21

Article to which the Design is to be Applied: MODEL CARS

Date of Lodgment: 24/04/2026

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 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 BE INSPECTED AND MAY BE OPPOSED.

PART II

Design No. : A2026/00048

Applicant : ELEVANCY GROUP (PTY) LTD

Class : 32

Article to which the Design is to be Applied: WASHING POWDER

Date of Lodgment: 20/01/2026

Registrar of Designs

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

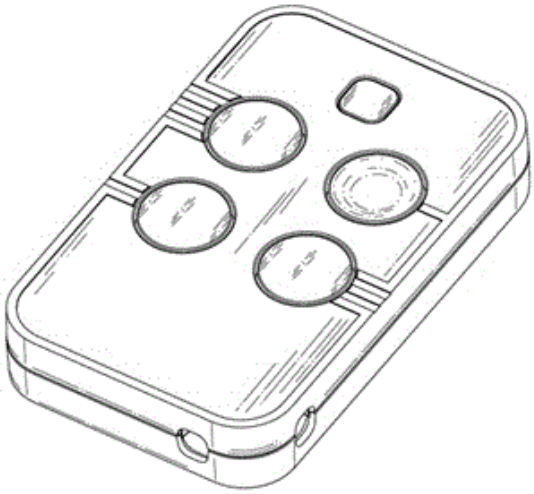
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

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: A2025/00612 22: 2025-05-27 23:
43: 2026-08-03
52: Class 14. 24: Part A
71: FAAC S.P.A.
33: EM 31: 015091452-0002 32: 2025-01-27
54: Wireless Remote Control
57: The design relates to a wireless remote control. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2025/00903 22: 2025-07-29 23:
43: 2025-01-29
52: Class 15 24: Part A
71: Sandvik Mining and Construction Oy
33: EM(FI) 31: 015091614-0001 32: 2025-01-29
54: LOADERS
57: The design is for a loader. The features of the design for which protection is claimed are those of the shape and/or configuration of the loader, substantially as illustrated in the accompanying representation.

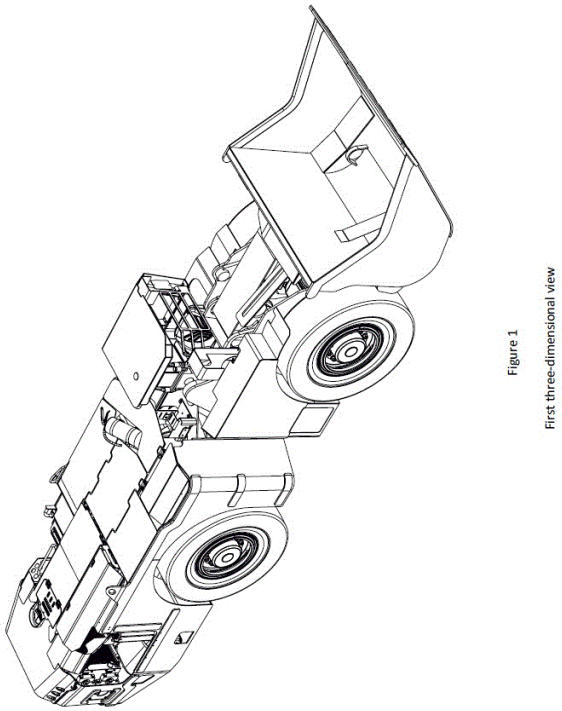
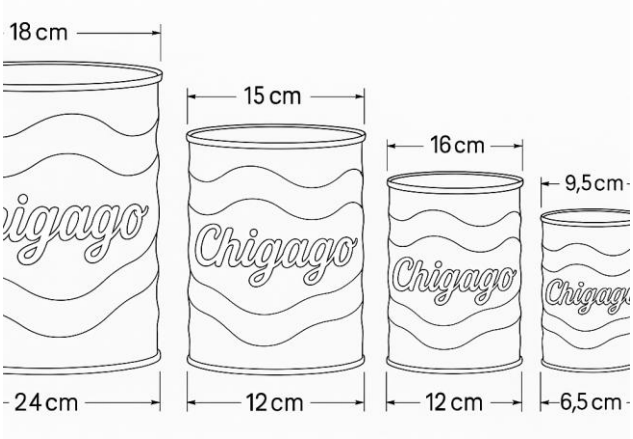
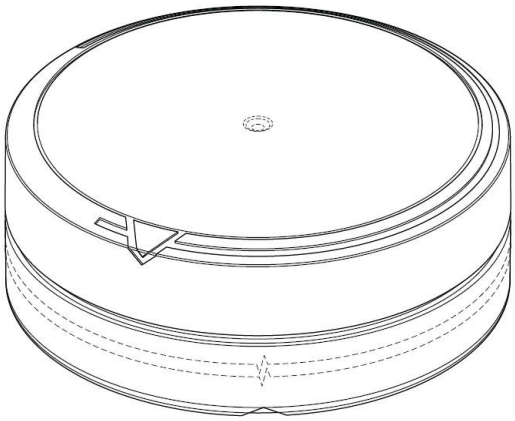


Figure 1
First three-dimensional view

21: A2025/01373 22: 2025-11-11 23:
43: 2026-09-30
52: Class 21 24: Part A
71: Thandi Radebe
54: CHIGAGO PLAY TOY
57: The design relates to a decorative and functional packaging tin intended for toy or product storage. The “Chigago” marking appears in stylized cursive lettering on the front surface. The wavy contours provide a distinctive ornamental appearance that enhances visual appeal. The design may be produced in various sizes (ranging approximately from 21 cm × 21 cm to 9 cm × 7 cm) and in different colour variations without altering the essential features of shape and configuration. “I, Thandi Radebe, being the author and proprietor of the design titled Chigago Tin, hereby declare that the design was originated by me and that I am the rightful owner thereof.”



21: A2025/01494 22: 2025-12-09 23:
43: 2026-10-01
52: Class 09 24: Part A
71: CHUBBY GORILLA, INC.
33: US 31: 30/007884 32: 2025-06-11
33: US 31: 30/023435 32: 2025-09-16
54: CONTAINER
57: The novelty of the design resides in the shape or configuration of a container substantially as shown in the accompanying drawings.



21: A2025/01536 22: 2025-12-19 23:
43: 2026-07-06
52: Class 06 24: Part A
71: CHEYANNE MICHELLE BUSH
54: COFFIN / CASKET
57: The features of the design for which protection is claimed reside in the shape and/or configuration of a coffin / casket substantially as shown in the accompanying representations irrespective of the pattern or ornamentation applied thereto, and irrespective of the shape, configuration, pattern or ornamentation of the handles.



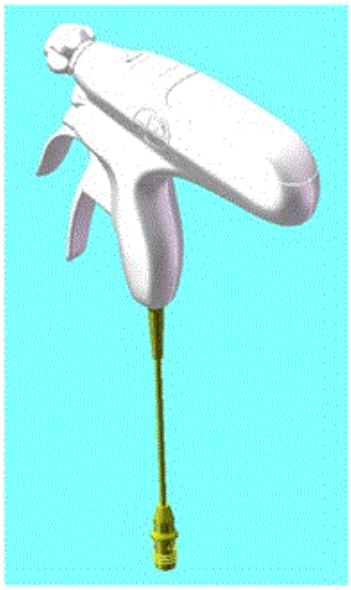
21: A2026/00005 22: 2026-01-05 23:
43: 2026-08-04
52: Class 24. 24: Part A
71: ENSURGE MEDICAL (SUZHOU) CO., LTD.
33: CN 31: 2025303734862 32: 2025-06-27
54: Ultrasonic Scalpel Handle
57: The design relates to an ultrasonic scalpel handle. The features of the design are those of shape and/or configuration.



21: A2026/00006 22: 2026-01-05 23:
43: 2026-08-04
52: Class 13. 24: Part A
71: ENSURGE MEDICAL (SUZHOU) CO., LTD.
33: CN 31: 2025303734877 32: 2025-06-27

54: Power Connection Cable for an Ultrasonic Scalpel Handle

57: The design relates to a power connection cable for an ultrasonic scalpel handle. The features of the design are those of shape and/or configuration



PERSPECTIVE VIEW

21: A2026/00011 22: 2026-01-09 23:
43: 2025-07-11
52: Class 12 24: Part A
71: Automobili Lamborghini S.p.A.
33: EM(IT) 31: 015110561-0001 32: 2025-07-11

54: VEHICLES

57: The design is for a vehicle in the form of a two-door sports car. A front fascia comprises slender, angular front lights. Below the front lights are front bumper lights. Additionally, the front fascia comprises front bumper flicks, fender louvers, an intake on a bonnet, a front splitter, and a central lower bumper intakes flanked by smaller trapezoidal intakes. A side fascia has a single centre-line sculptural crease and comprises side mirrors, and wheel rims. A roof panel features a central longitudinal channel positioned between raised lateral sections. An engine cover positioned behind the roof panel features a central longitudinal section flanked by a plurality of diagonally-oriented rectangular openings. A rear fascia comprises a rear wing, a diffuser, and elongate hexagonal rear lights flanking dual central exhaust pipes.



Figure 1

First three-dimensional view

21: A2026/00012 22: 2026-01-09 23:
43: 2025-07-11
52: Class 21 24: Part A
71: Automobili Lamborghini S.p.A.
33: EM(IT) 31: 015110561-0001 32: 2025-07-11

54: MODEL VEHICLES

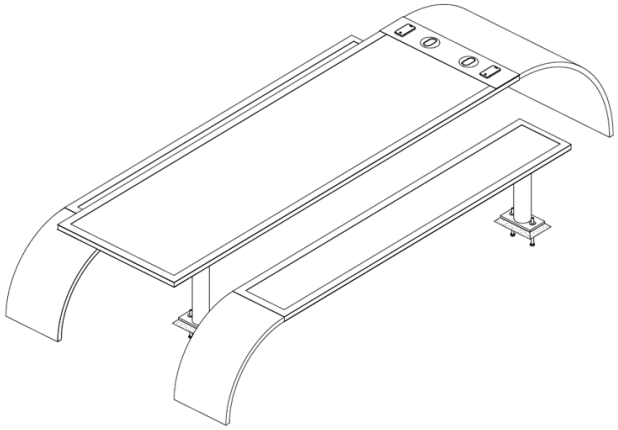
57: The design is for a model vehicle in the form of a two-door super sport car. A front fascia comprises slender, angular front lights. Below the front lights are front bumper lights. Additionally, the front fascia comprises front bumper flicks, fender louvers, an intake on a bonnet, a front splitter, and a central lower bumper intakes flanked by smaller trapezoidal intakes. A side fascia has a single centre-line sculptural crease and comprises side mirrors, and wheel rims. A roof panel features a central longitudinal channel positioned between raised lateral sections. An engine cover positioned behind the roof panel features a central longitudinal section flanked by a plurality of diagonally-oriented rectangular openings. A rear fascia comprises a rear wing, a diffuser, and elongate hexagonal rear lights flanking dual central exhaust pipes.



Figure 1

First three-dimensional view

21: A2026/00032 22: 2026-01-15 23:
43: 2026-08-05
52: Class 06 24: Part A
71: NYAMBOSE ARCHITECTS AND CONSTRUCTION (PTY) LTD
54: TABLE
57: The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation and/or pattern of a table, substantially as shown in the accompanying representations.



21: A2026/00038 22: 2026-01-19 23:
43: 2026-09-02
52: Class 32 24: Part A
71: Sindisile
54: PUREWASH LIQUID DISHWASHING DETERGENT BOTTLE
57: The kettle-inspired shape of the container, the contrasting maroon body with lime-green spout and handle, the mauve cap, and the decorative bubble graphics on the front.

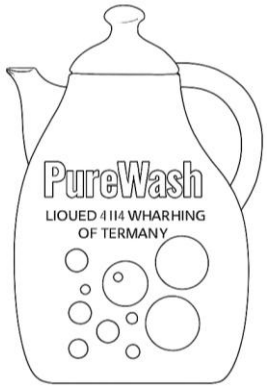


FIG. 1

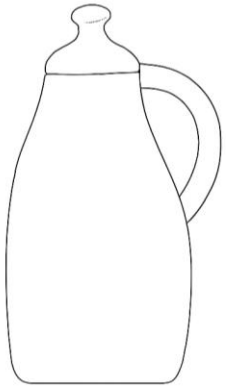


FIG. 3



FIG. 2

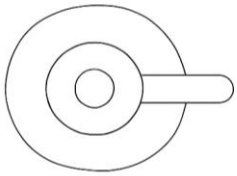


FIG. 4

21: A2026/00040 22: 2026-01-19 23:
43: 2026-08-04
52: Class 25. 24: Part A
71: THE TRUSTEES FOR THE TIME BEING OF THE OOSTHUIZEN TRUST
54: Frame Element
57: The design relates to a frame element. The features of the design are those of shape and/or configuration.



TOP VIEW

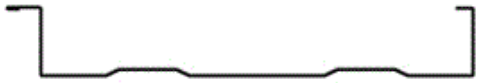
21: A2026/00041 22: 2026-01-19 23:
43: 2026-08-04
52: Class 25. 24: Part A
71: THE TRUSTEES FOR THE TIME BEING OF THE OOSTHUIZEN TRUST
54: Panel Section

57: The design relates to a panel section. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP VIEW

21: A2026/00042 22: 2026-01-19 23:
43: 2026-08-04
52: Class 25. 24: Part A
71: THE TRUSTEES FOR THE TIME BEING OF THE OOSTHUIZEN TRUST
54: Panel Section
57: The design relates to a panel section. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



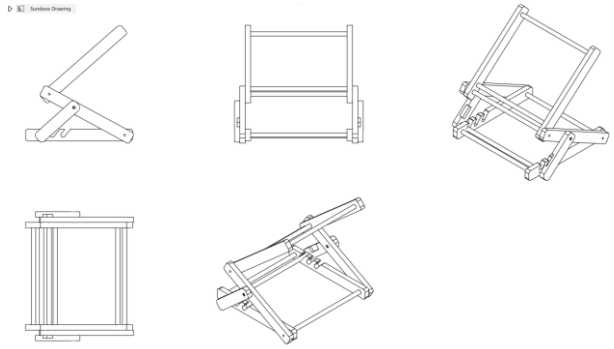
TOP VIEW

21: A2026/00044 22: 2026-01-19 23:
43: 2026-08-04
52: Class 25. 24: Part A
71: THE TRUSTEES FOR THE TIME BEING OF THE OOSTHUIZEN TRUST
54: Frame Element
57: The design relates to a frame element. The features of the design are those of shape and/or configuration.



TOP VIEW

21: A2026/00045 22: 2026-01-19 23:
43: 1900-01-01
52: Class 21 24: Part A
71: Andrew Hull
54: AN OUTDOOR HEAD SHADE AND NECK REST
57: The features of the design for which protection is claimed reside in the shape and configuration of an outdoor headrest, as illustrated in the accompanying publication drawings.

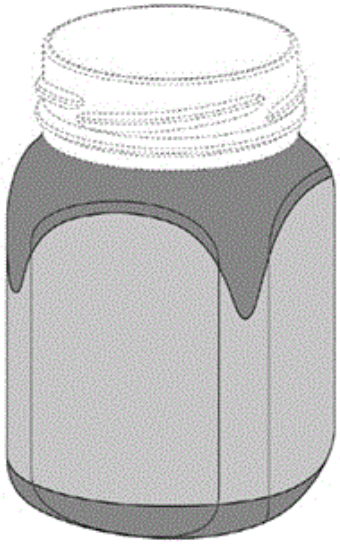


21: A2026/00048 22: 2026-01-20 23:
43: 2026-09-02
52: Class 32 24: Part A
71: Sindisile
54: WASHING POWDER
57: Handbag-inspired shape of the packaging Contrasting yellow flap and red body Bold white and yellow branding text Decorative cleaning graphics and shirt icon Overall vibrant and playful aesthetic



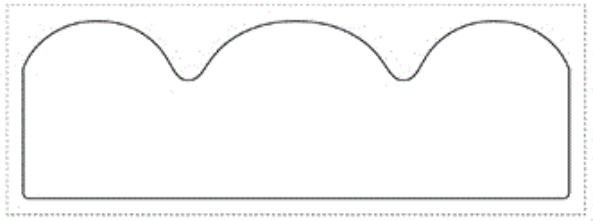
21: A2026/00055 22: 2026-01-23 23:
43: 2026-08-04

52: Class 9. 24: Part A
71: UNILEVER IP HOLDINGS B.V.
33: EM 31: 015111867-0001 32: 2025-07-25
54: Jar
57: The design relates to a jar. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2026/00056 22: 2026-01-23 23:
43: 2026-08-04
52: Class 19. 24: Part A
71: UNILEVER IP HOLDINGS B.V.
33: EM 31: 015111867-0002 32: 2025-07-25
54: Label
57: The design relates to a label. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PLAN VIEW

21: A2026/00062 22: 2026-01-27 23:
43: 2025-10-15
52: Class 10 24: Part A
71: Turlen Holding SA
33: CH 31: 2025-00463 32: 2025-10-15
54: WATCHES
57: The design is for a watch. The watch has a general cuboidal case that curves downwardly at a top and bottom and that bulges outwardly at sides. Working parts of the watch are housed in an internal compartment of the case and are visible from a front and rear, such that the watch features a skeletal-type appearance. The case further features prominent peripherally spaced screws. A prominent crown having a general squircle profile with concave corners is provided at a side of the case. The visible working parts include an arrangement of gears and supporting bridges. The bridges comprise a zig-zag arrangement with two prominent bridge junctions supporting two prominent gears. The working parts further feature hour and minute hands, each being tapered and having a skeletal-type appearance

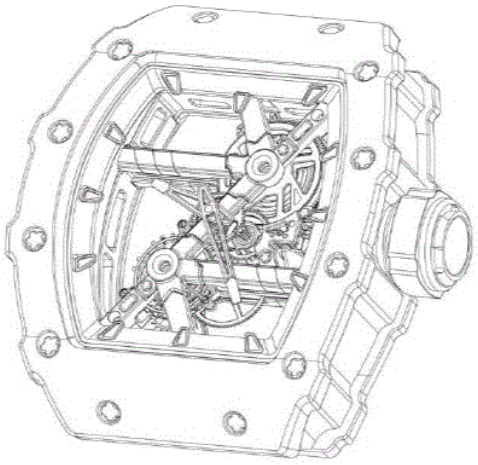


Figure 1

First three-dimensional view

21: A2026/00063 22: 2026-01-27 23:
43: 2025-10-15
52: Class 10 24: Part A
71: Turlen Holding SA
33: CH 31: 2025-00463 32: 2025-10-15
54: WATCH MECHANISM PARTS
57: The design is for a watch, particularly the visible parts of a watch having a skeletal-type appearance. The visible parts include opposed upper and lower bridges for supporting an arrangement of gears and other working parts of the watch therebetween. The bridges have a multipart hub-and-spoke appearance.

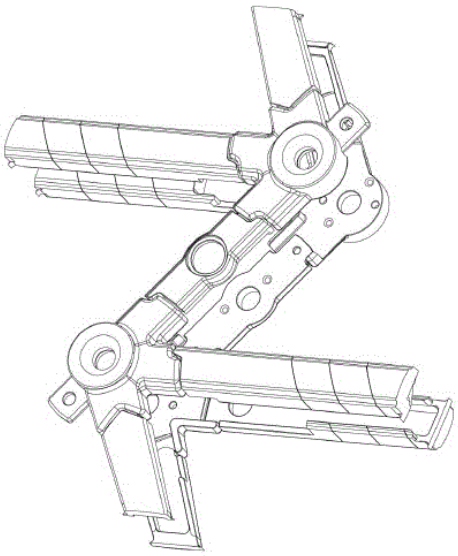


Figure 1

First three-dimensional view

21: A2026/00064 22: 2026-01-27 23:
43: 2025-10-15
52: Class 10 24: Part A
71: Turlen Holding SA
33: CH 31: 2025-00463 32: 2025-10-15
54: WATCH MECHANISMS
57: The design is for a watch, particularly the visible working parts of a watch having a skeletal-type appearance. The visible working parts include a complex arrangement of gears and other components sandwiched between opposed upper and lower supporting bridges. The bridges have a multipart hub-and-spoke appearance.

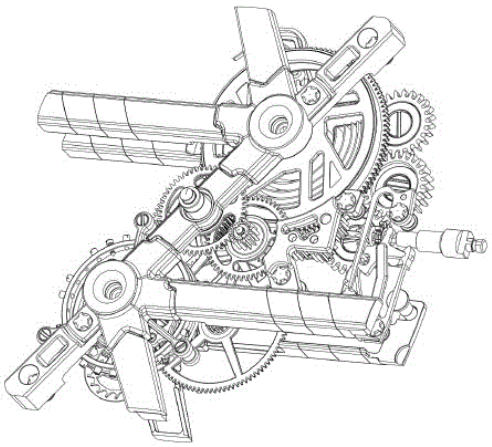
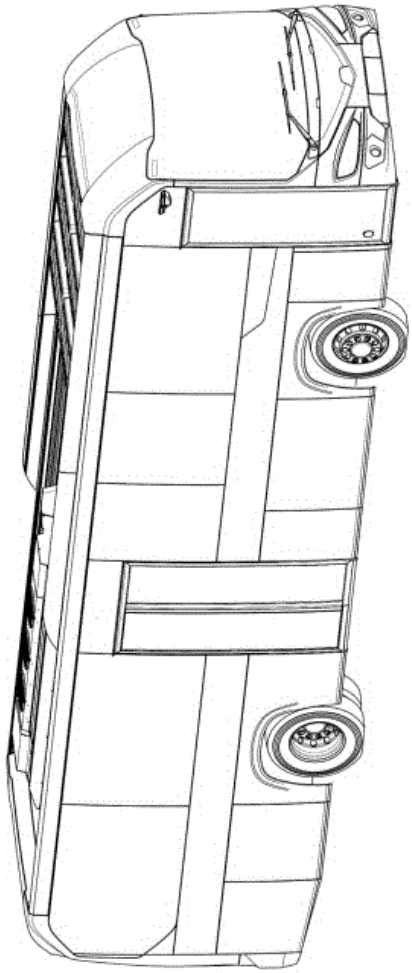


Figure 1

First three-dimensional view

21: A2026/00068 22: 2026-01-29 23:
43: 2026-08-05
52: Class 12 24: Part A
71: IRIZAR, S. COOP.
33: EU 31: 015118728-0001 32: 2025-10-01
54: BUS
57: The design is to be applied to a bus. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations.



21: A2026/00071 22: 2026-01-29 23:
43: 2025-07-30
52: Class 12 24: Part A
71: CONTINENTAL REIFEN DEUTSCHLAND GMBH
33: EM(DE) 31: 015112376-0001 32: 2025-07-30
54: TYRES
57: The design is for a tyre having a tread pattern. A central region of the tyre comprises a series of circumferentially repeating hexagonal blocks arranged in a staggered interlocking fashion which are flanked by a series of alternating larger and smaller blocks of irregular shape. The central region is flanked by zigzagging longitudinal grooves that define a transition to shoulder regions of the tyre. The shoulder regions on both sides of the central region of the tyre comprise a repeating series of transversely oriented shoulder blocks which partially project into a tyre wall. Pairs of shoulder blocks are spaced by chevron like lateral grooves which extend from the shoulder region into the tyre wall. The hexagonal blocks, irregular shaped blocks, and shoulder blocks extend project from a generally plain tyre substrate and feature narrow sipes on their outer surface.



Figure 1

Three-dimensional view

21: A2026/00072 22: 2026-01-29 23:
43: 2025-07-30
52: Class 12 24: Part A
71: CONTINENTAL REIFEN DEUTSCHLAND GMBH
33: EM(DE) 31: 015112376-0002 32: 2025-07-30
54: TYRES
57: The design is for a tyre having a tread pattern. A central region of the tyre comprises a series of circumferentially repeating hexagonal blocks arranged in a staggered interlocking fashion which are flanked by a series of alternating larger and smaller blocks of irregular shape. The central region is flanked by zigzagging longitudinal grooves that define a transition to shoulder regions of the tyre. The shoulder regions on both sides of the central region of the tyre comprise a repeating series of

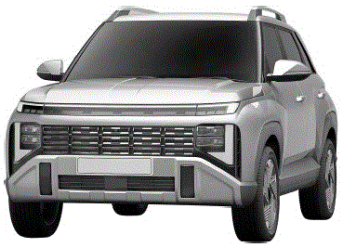
transversely oriented shoulder blocks which partially project into a tyre wall. Pairs of shoulder blocks are spaced by chevron like lateral grooves which extend from the shoulder region into the tyre wall. The hexagonal blocks, irregular shaped blocks, and shoulder blocks feature narrow sipes on their outer surface. Overlapping partial-hexagonal formations are provided on a substrate of the tyre adjacent the shoulder regions and tyre wall thereof.



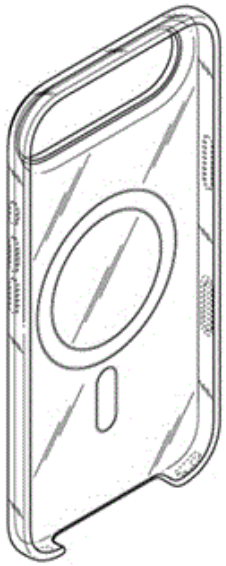
Figure 1

Three-dimensional view

21: A2026/00079 22: 2026-01-30 23:
43: 2026-08-05
52: Class 12 24: Part A
71: HYUNDAI MOTOR COMPANY, KIA CORPORATION
33: IN 31: 470002-001 32: 2025-08-18
54: AUTOMOBILE
57: The representation shows a front perspective view of an automobile in accordance with the present design showing the overall appearance thereof.

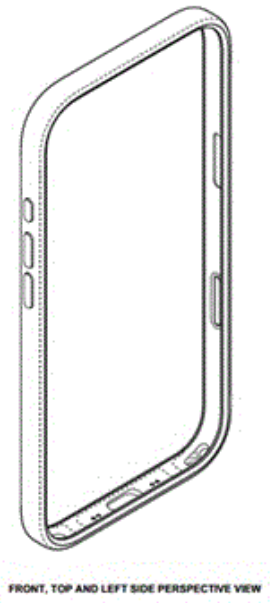


21: A2026/00080 22: 2026-01-30 23:
43: 2026-08-04
52: Class 3. 24: Part A
71: APPLE INC.
33: US 31: 30/016,138 32: 2025-08-01
54: Case for an Electronic Device
57: The design relates to a case for an electronic device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

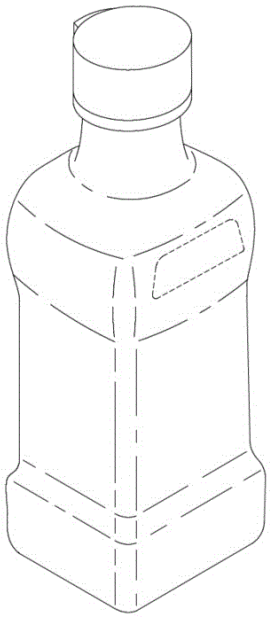


TOP, FRONT AND LEFT SIDE PERSPECTIVE VIEW

21: A2026/00081 22: 2026-01-30 23:
43: 2026-08-04
52: Class 3. 24: Part A
71: APPLE INC.
33: US 31: 30/015,878 32: 2025-07-31
54: Case for an Electronic Device
57: The design relates to a case for an electronic device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

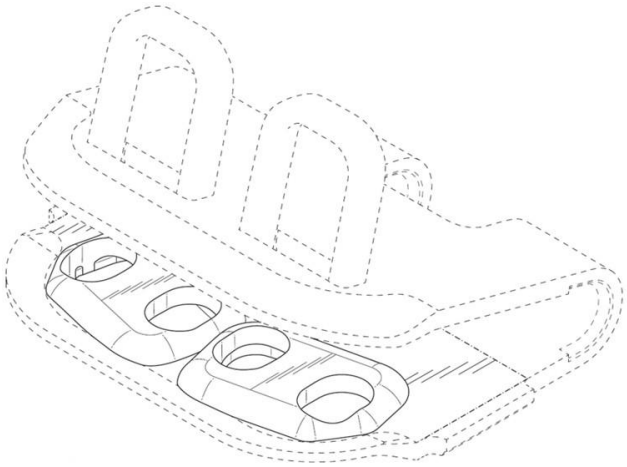


21: A2026/00088 22: 2026-01-30 23:
43: 2025-07-31
52: Class 9 24: Part A
71: MAMAS SAUCE (PTY) LTD.
54: BOTTLES
57: The design is for a bottle. The features of the design are illustrated in the bottle as shown in the drawings. It is the overall design of the bottle that is claimed.

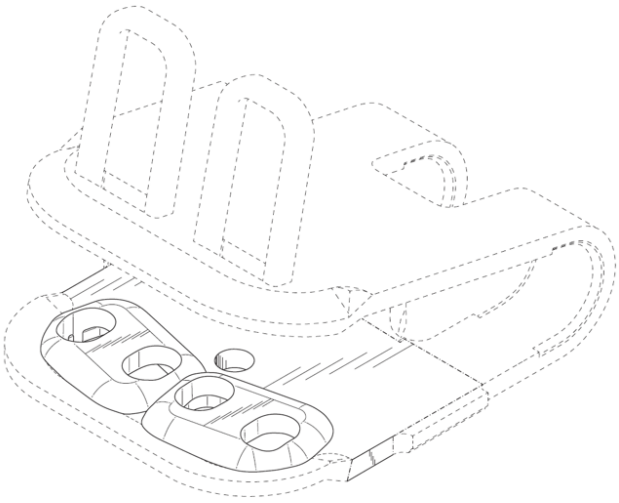


Three-dimensional view

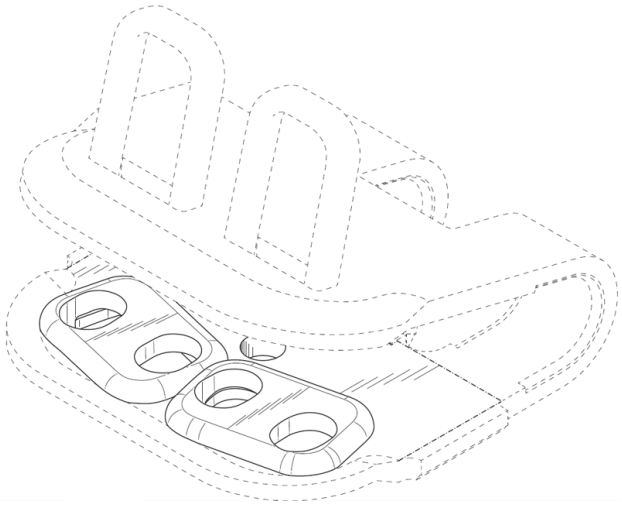
21: A2026/00099 22: 2026-02-06 23:
43: 2026-09-04
52: Class 08 24: Part A
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 30/017,092 32: 2025-08-07
54: CONVEYOR BELT FASTENER
57: The design is applied to a conveyor belt fastener. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the conveyor belt fastener.



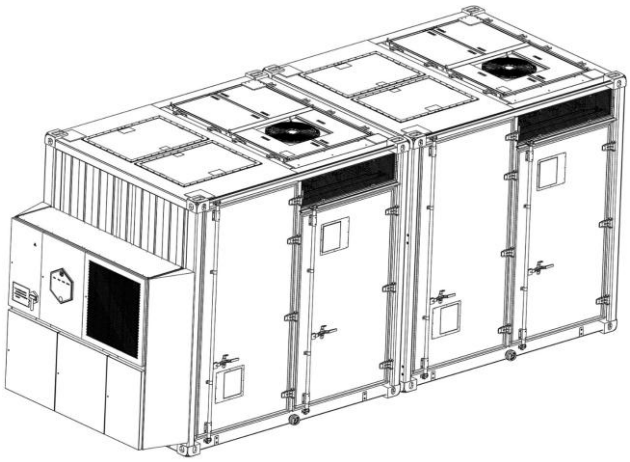
21: A2026/00102 22: 2026-02-06 23:
43: 2026-09-04
52: Class 08 24: Part A
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 30/017,092 32: 2025-08-07
54: CONVEYOR BELT FASTENER
57: The design is applied to a conveyor belt fastener. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the conveyor belt fastener.



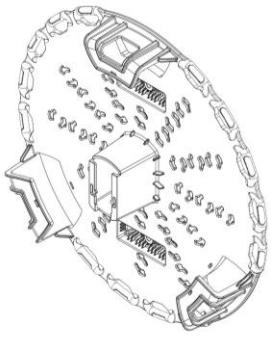
21: A2026/00106 22: 2026-02-06 23:
43: 2026-09-04
52: Class 08 24: Part A
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 30/017,092 32: 2025-08-07
54: CONVEYOR BELT FASTENER
57: The design is applied to a conveyor belt fastener. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the conveyor belt fastener.



21: A2026/00117 22: 2026-02-10 23:
43: 2026-09-04
52: Class 13 24: Part A
71:
33: CN 31: 202530720744X 32: 2025-12-05
54: ENERGY STORAGE CONTAINERS
57: The design is applied to an energy storage container. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the energy storage container.



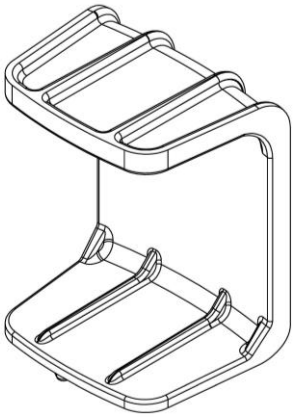
21: A2026/00118 22: 2026-02-10 23:
43: 2026-09-04
52: Class 25 24: Part A
71: STANTON GLOBAL (PTY) LTD
54: CABLE STORAGE BRACKET
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a cable slack storage bracket for a cable fixing system, substantially as shown in the representations, but those parts shown in broken lines are for illustrative purposes only and do not form essential part of the design. The bracket serves, in addition to other functions, as a cable slack storage mechanism in that excess or slack cable may be coiled around a central point. The bracket further defines a series of cable connector apertures arranged concentrically and/or radially outward from the central point, enabling cable clamps or retainers to be connected to the bracket in a plurality of orientations. The bracket may be configured to accommodate a complementary mounting plate, with the plate, the bracket, and the retainers constituting a cable fixation system.



21: A2026/00120 22: 2026-02-10 23:
43: 2026-09-04
52: Class 25 24: Part A
71: STANTON GLOBAL (PTY) LTD

54: CABLE RETAINER

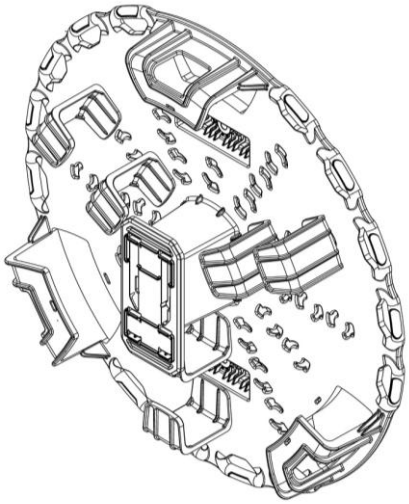
57: The features of the design for which protection is claimed include the shape and/or configuration of a cable retainer for a cable fixing system, substantially as shown in the accompanying representations. The cable retainer serves, in addition to other functions, to retain excess or slack cabling, which may be coiled around a central point defined by a bracket. The cable retainer has protrusions which are configured to connect to complementary apertures forming part of a cable slack storage bracket.



21: A2026/00122 22: 2026-02-10 23:
43: 2026-09-04
52: Class 25 24: Part A
71: STANTON GLOBAL (PTY) LTD

54: CABLE SLACK STORAGE ARRANGEMENT

57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a cable slack storage arrangement, comprising a bracket and any number of retainers for a cable fixing system, substantially as shown in the representations. The cable slack storage arrangement serves, in addition to other functions, as a cable slack storage mechanism in that excess or slack cable may be coiled around a central point, and retainers, which may be individually and removably connected are arranged in any number of orientations or quantities, retain the slack cabling on the bracket. The bracket may be configured to accommodate a complementary mounting plate, with the plate and bracket constituting a cable fixation system.



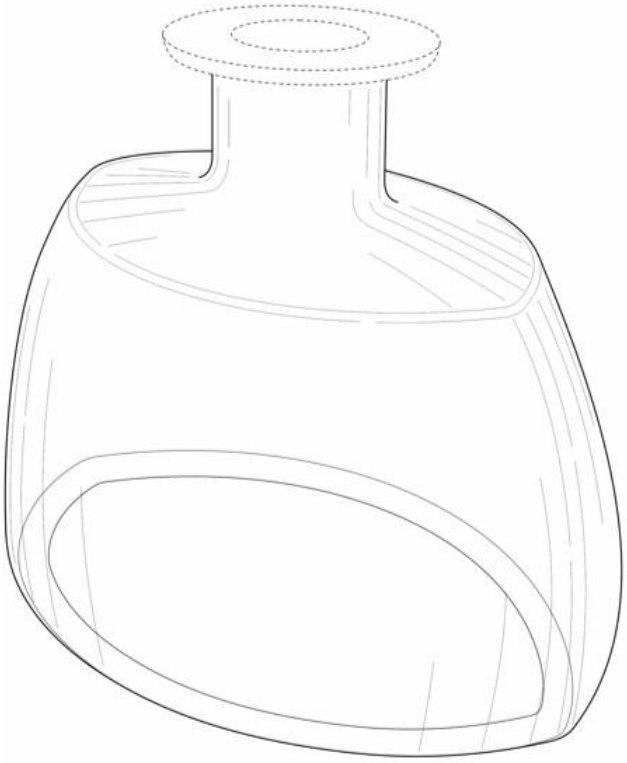
21: A2026/00185 22: 2026-02-25 23:
43: 2026-10-16
52: Class 02 24: Part A
71: Barend du Preez

54: DECORATIVE FORMAL BOUTONNIERE HOLDER

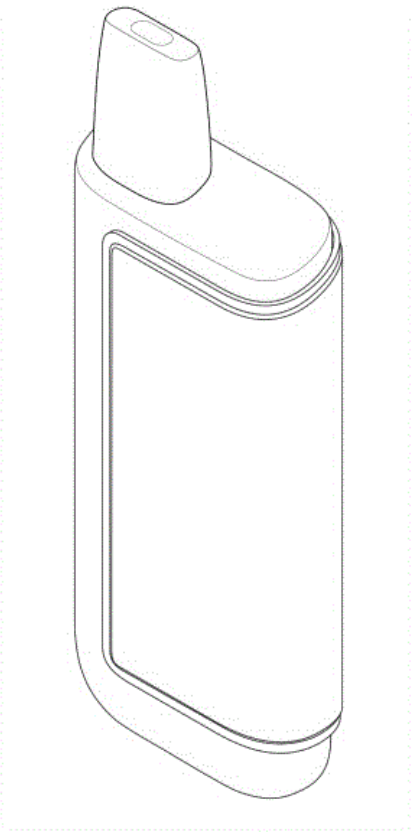
57: Decorative boutonniere/lapel/garment holder, comprising a front ornamental piece with a defined shape, a stem with hooks to retain the flower, and a rear piece that visually complements the front component



21: A2026/00193 22: 2026-02-27 23:
43: 2026-09-04
52: Class 09 24: Part A
71: SAVERGLASS
33: EU 31: 015124562-0001 32: 2025-11-19
54: BOTTLE
57: The design is applied to a bottle. The features of the design for which protection is claimed are those of the shape and/or configuration of the bottle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Surface lines are included to indicate the surface character and contours of the bottle and such lines do not constitute a surface pattern or ornamentation.

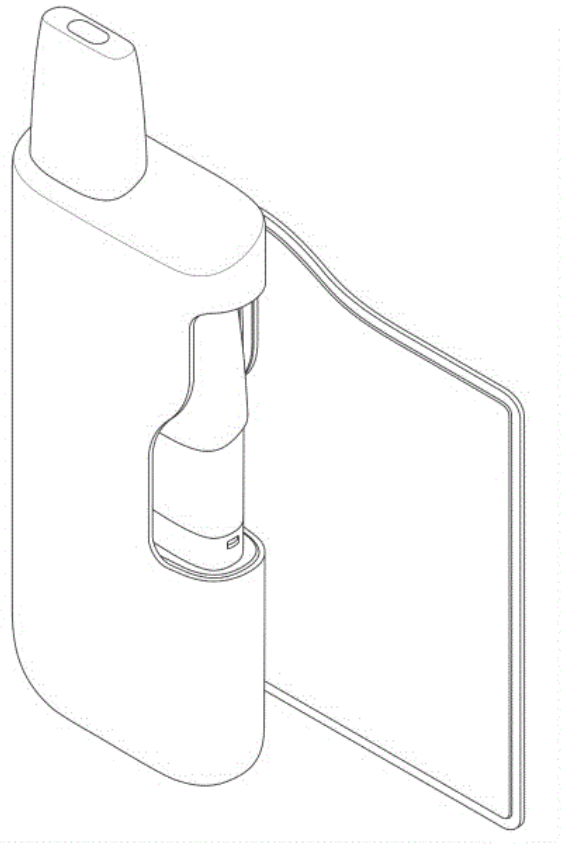


21: A2026/00194 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0001 32: 2025-09-01
54: ELECTRONIC CIGARETTE
57: The design is to be applied to an electronic cigarette. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations.



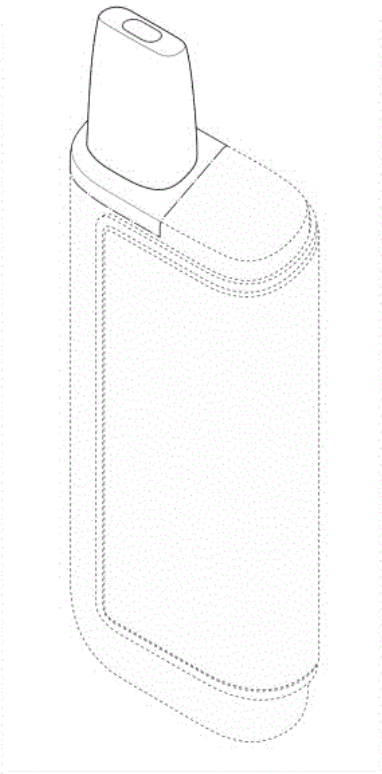
PERSPECTIVE VIEW

21: A2026/00195 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0007 32: 2025-09-01
54: ELECTRONIC CIGARETTE
57: The design is to be applied to an electronic cigarette. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The elements drawn in broken lines are for illustrative purposes only and form no part of the claimed design.



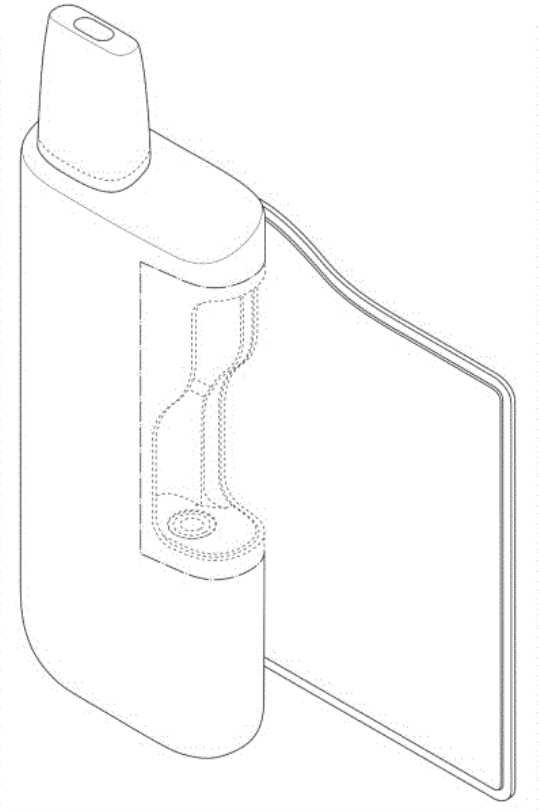
PERSPECTIVE VIEW WITH
WRAP-LIKE DOOR IN OPEN STATE

21: A2026/00196 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0010 32: 2025-09-01
54: ELECTRONIC CIGARETTE
57: The design is to be applied to an electronic cigarette. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The elements drawn in broken lines are for illustrative purposes only and form no part of the claimed design. The dash-dot lines are also disclaimed and indicate boundary between claimed and disclaimed parts.



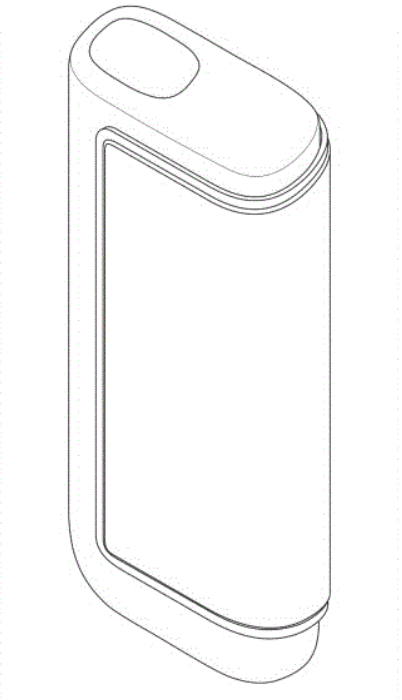
PERSPECTIVE VIEW

21: A2026/00197 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0004 32: 2025-09-01
54: ELECTRONIC CIGARETTE
57: The design is to be applied to an electronic cigarette. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The elements drawn in broken lines are for illustrative purposes only and form no part of the claimed design. The dash-dot lines are disclaimed and indicate boundary between claimed and disclaimed parts.



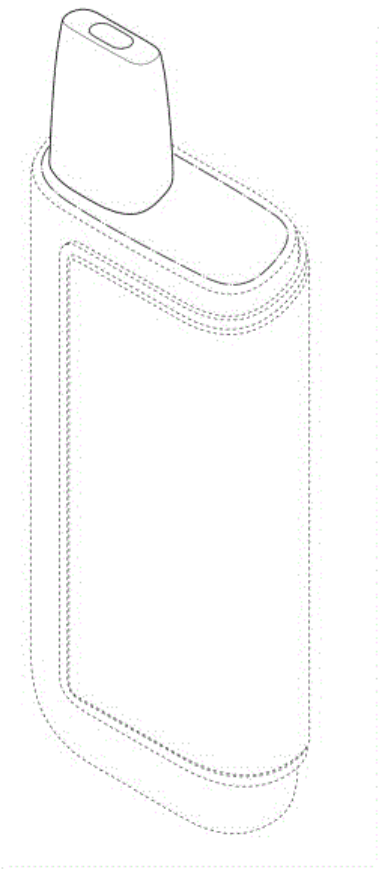
PERSPECTIVE VIEW WITH
WRAP-LIKE DOOR IN OPEN STATE

21: A2026/00198 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0016 32: 2025-09-01
54: ELECTRONIC CIGARETTE BASE PART
57: The design is to be applied to an electronic cigarette base part. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations.



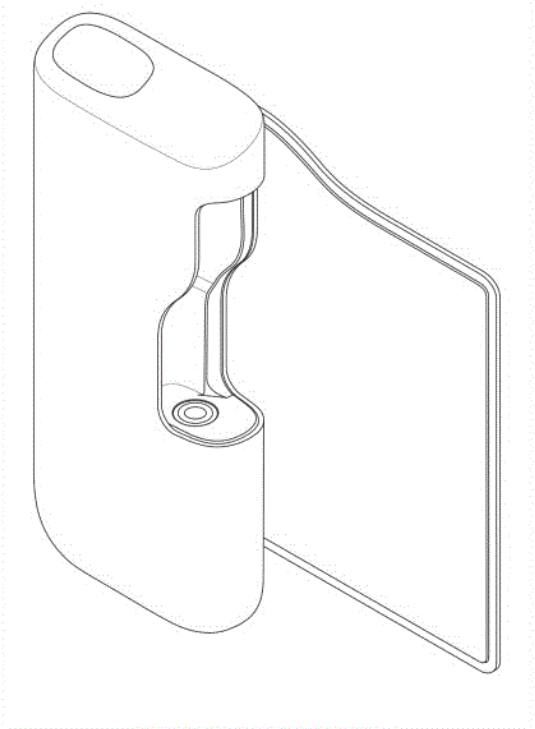
FIRST PERSPECTIVE VIEW

21: A2026/00199 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0013 32: 2025-09-01
54: ELECTRONIC CIGARETTE
57: The design is to be applied to an electronic cigarette. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The elements drawn in broken lines are for illustrative purposes only and form no part of the claimed design. The dash-dot lines are also disclaimed and indicate boundary between claimed and disclaimed parts.



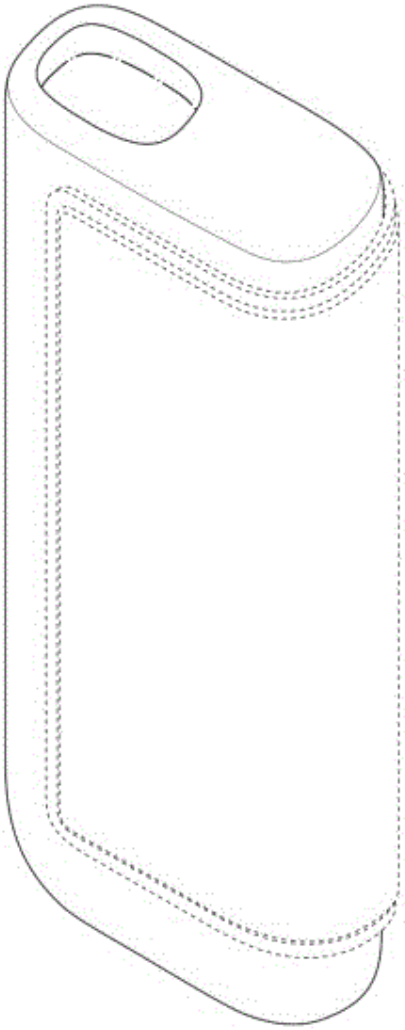
PERSPECTIVE VIEW

21: A2026/00200 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0019 32: 2025-09-01
54: ELECTRONIC CIGARETTE BASE PART
57: The design is to be applied to an electronic cigarette base part. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations.



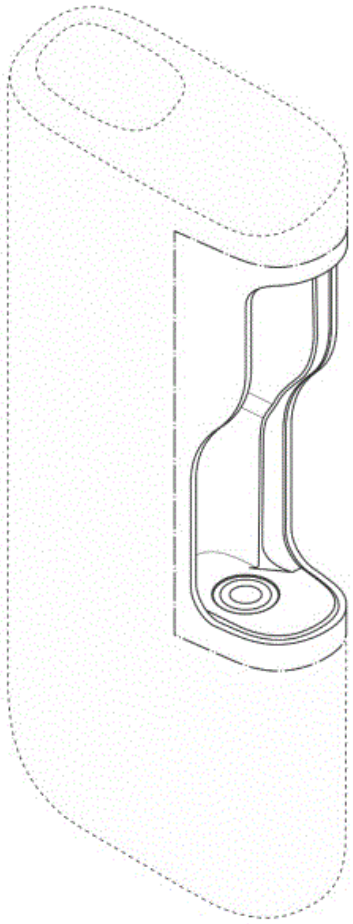
PERSPECTIVE VIEW WITH
WRAP-LIKE DOOR IN AN OPEN STATE

21: A2026/00201 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0022 32: 2025-09-01
54: ELECTRONIC CIGARETTE BASE PART
57: The design is to be applied to an electronic cigarette base part. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The elements drawn in broken lines are for illustrative purposes only and form no part of the claimed design. The dash-dot lines are also disclaimed and indicate boundary between claimed and disclaimed parts.



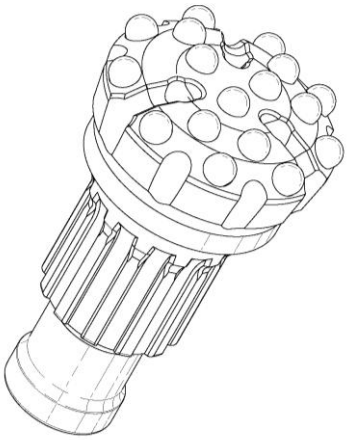
FIRST PERSPECTIVE VIEW

21: A2026/00202 22: 2026-02-27 23:
43: 2026-09-04
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015115428-0025 32: 2025-09-01
54: ELECTRONIC CIGARETTE BASE PART
57: The design is to be applied to an electronic cigarette base part. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The elements drawn in broken lines are for illustrative purposes only and form no part of the claimed design. The dash-dot lines are also disclaimed and indicate boundary between claimed and disclaimed parts.



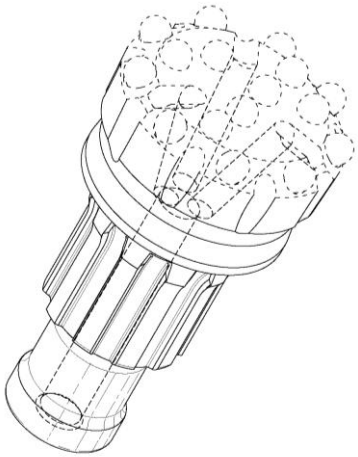
FIRST PERSPECTIVE VIEW

21: A2026/00213 22: 2026-02-27 23:
43: 2026-09-04
52: Class 08 24: Part A
71: NEIZANNE (PTY) LTD
54: DOWN-THE-HOLE DRILL BIT
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of a DOWN-THE-HOLE DRILL BIT substantially as illustrated in the accompanying representations.



TOP, FRONT & LEFT PERSPECTIVE VIEW

21: A2026/00216 22: 2026-02-27 23:
43: 2026-09-04
52: Class 08 24: Part A
71: NEIZANNE (PTY) LTD
54: DOWN-THE-HOLE DRILL BIT
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of a DOWN-THE-HOLE DRILL BIT substantially as illustrated in the accompanying representations, irrespective of the face design, flushing grooves, number of inserts, or button sizes as indicated in broken lines.

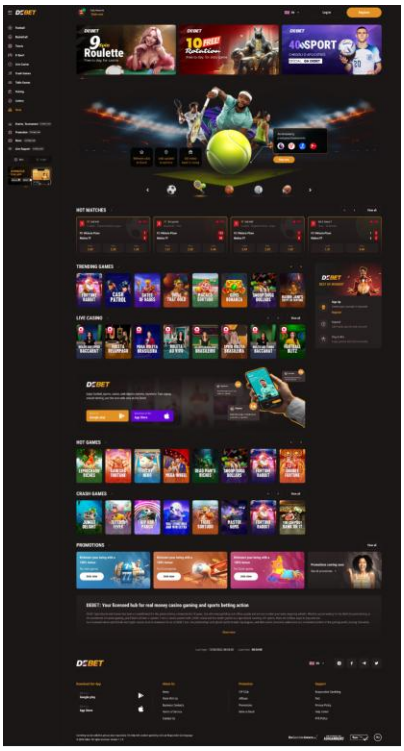


TOP, FRONT & LEFT PERSPECTIVE VIEW

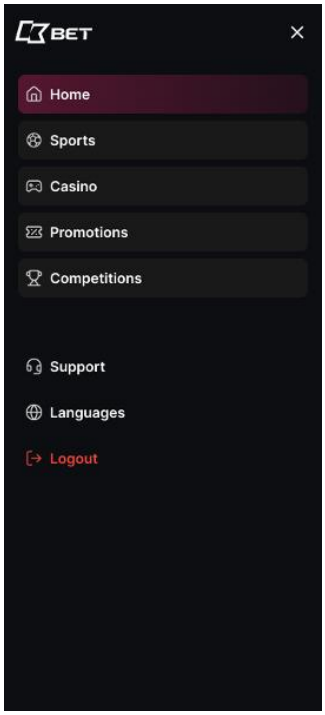
21: A2026/00311 22: 2026-03-20 23:
43: 2026-10-05
52: Class 14 24: Part A
71: EMPATH TECH - FZCO
54: GRAPHICAL USER INTERFACE
57: The design is for a graphical user interface. The features of the design are illustrated in the overall appearance of the graphical user interface, except for the colours which are shown for illustration purposes.



21: A2026/00312 22: 2026-03-20 23:
43: 2026-10-05
52: Class 14 24: Part A
71: EMPATH TECH-FZCO
54: GRAPHICAL USER INTERFACE
57: The design is for a graphical user interface. The features of the design are illustrated in the overall appearance of the graphical user interface, except for the colours which are shown for illustration purposes.

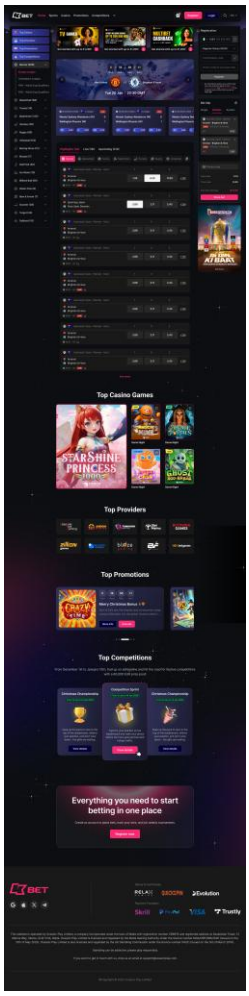


21: A2026/00313 22: 2026-03-20 23:
43: 2026-10-05
52: Class 14 24: Part A
71: EMPATH TECH - FZCO
54: GRAPHICAL USER INTERFACE
57: The design is for a graphical user interface. The features of the design are illustrated in the overall appearance of the graphical user interface, except for the colours which are shown for illustration purposes.

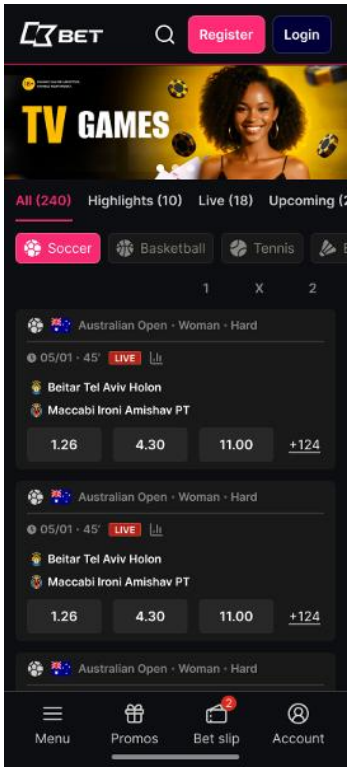


21: A2026/00314 22: 2026-03-20 23:
43: 2026-10-05
52: Class 14 24: Part A
71: EMPATH TECH-FZCO
54: GRAPHICAL SYMBOL
57: The design is for a graphical symbol. The features of the design are illustrated in the overall appearance of the graphical symbol.

21: A2026/00315 22: 2026-03-20 23:
43: 2026-10-05
52: Class 14 24: Part A
71: EMPATH TECH - FZCO
54: GRAPHICAL USER INTERFACE
57: The design is for a graphical user interface. The features of the design are illustrated in the overall appearance of the graphical user interface, except for the colours which are shown for illustration purposes.



21: A2026/00316 22: 2026-03-20 23:
43: 2026-10-05
52: Class 14 24: Part A
71: EMPATH TECH - FZCO
54: GRAPHICAL USER INTERFACE
57: The design is for a graphical user interface. The features of the design are illustrated in the overall appearance of the graphical user interface, except for the colours which are shown for illustration purposes.



21: A2026/00317 22: 2026-03-20 23:
43: 2026-10-05
52: Class 32 24: Part A
71: EMPATH TECH - FZCO
54: LOGO
57: The design is for a logo. The features of the design are illustrated in the overall appearance of the logo.

21: A2026/00330 22: 2026-03-24 23:
43: 2026-10-05
52: Class 12 24: Part A
71: GREAT WALL MOTOR COMPANY LIMITED
33: CN 31: 202530573117.8 32: 2025-09-25
54: AUTOMOBILES
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of an Automobile, substantially as shown in the representations.



Front perspective view

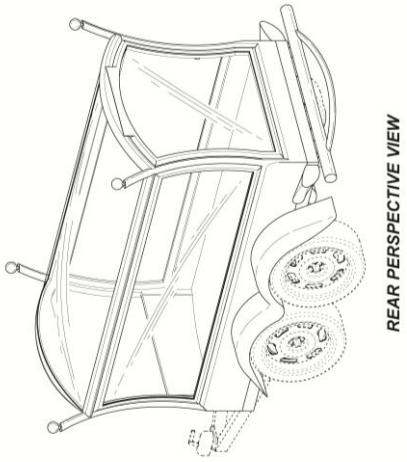
21: A2026/00340 22: 2026-03-31 23:
43: 2026-10-05
52: Class 18 24: Part A
71: HAY, STUART GORDON
54: PRINTING TYPE AND TYPE FACE AS APPLIED TO A PRINTING PLATE AND/OR A COMPUTER-TO-PLATE (CTP) DIGITAL PRINTING PLATE ADAPTED FOR PRINTING IMAGES
57: The features of the design for which protection is claimed reside in the pattern and/or ornamentation of a printing type and type face as applied to a printing plate and/or a computer-to-plate (CTP) digital printing plate adapted for printing images, including direct transfer of digital images from a computer onto printing substrate, and includes the pattern and/or ornamentation of a two dimensional reproduction (i.e., including a digital reproduction) emanating from the printing type and type face substantially as illustrated in the accompanying photographs.



21: A2026/00341 22: 2026-03-31 23:
43: 2026-10-05
52: Class 05 24: Part A
71: HAY, STUART GORDON
54: TEXTILE PIECE GOODS, ARTIFICIAL AND/OR NATURAL SHEET MATERIAL
57: The features of the design for which protection is claimed reside in the pattern and/or ornamentation of textile piece goods, artificial and/or natural sheet material substantially as illustrated in the accompanying photographs.

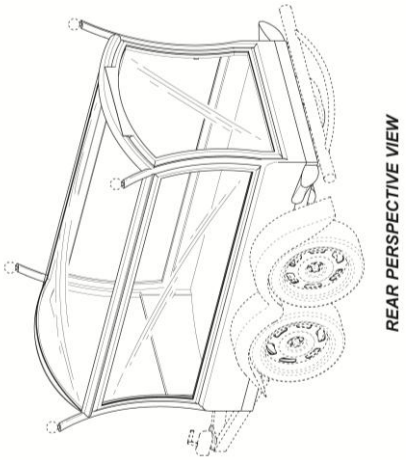


21: A2026/00580 22: 2026-05-22 23:
43: 2026-10-05
52: Class 09 24: Part A
71: HEDO DESIGNS (PTY) LTD
54: A CONTAINER
57: The design is for a CONTAINER. The features of the design are illustrated in the overall appearance of the CONTAINER. The features shown in dotted lines are optional and do not form an essential part of the design.

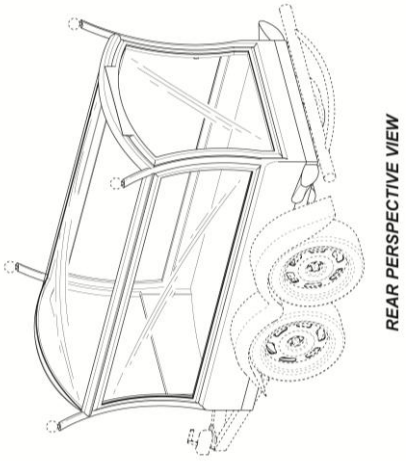


21: A2026/00582 22: 2026-05-22 23:
43: 2026-10-05
52: Class 12 24: Part A
71: HEDO DESIGNS (PTY) LTD

54: A MOBILE CONTAINER
57: The design is for a MOBILE CONTAINER. The features of the design are illustrated in the overall appearance of the MOBILE CONTAINER. The features shown in dotted lines are optional and do not form an essential part of the design.



21: A2026/00586 22: 2026-05-22 23:
43: 2026-10-05
52: Class 09 24: Part A
71: HEDO DESIGNS (PTY) LTD
54: A CONTAINER
57: The design is for a CONTAINER. The features of the design are illustrated in the overall appearance of the CONTAINER. The features shown in dotted lines are optional and do not form an essential part of the design.



21: F2025/00904 22: 2025-07-29 23:
43: 2025-01-29
52: Class 15 24: Part F
71: Sandvik Mining and Construction Oy
33: EM(FI) 31: 015091614-0001 32: 2025-01-29

54: LOADERS
57: The design is for a loader. The features of the design for which protection is claimed are those of the shape and/or configuration of the loader, substantially as illustrated in the accompanying representation

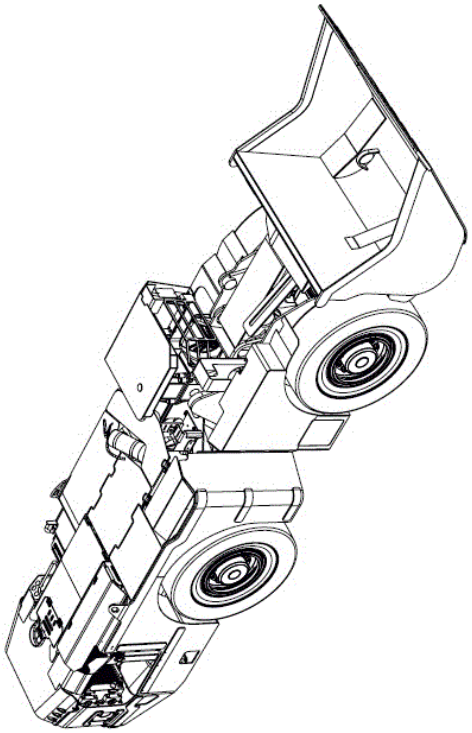
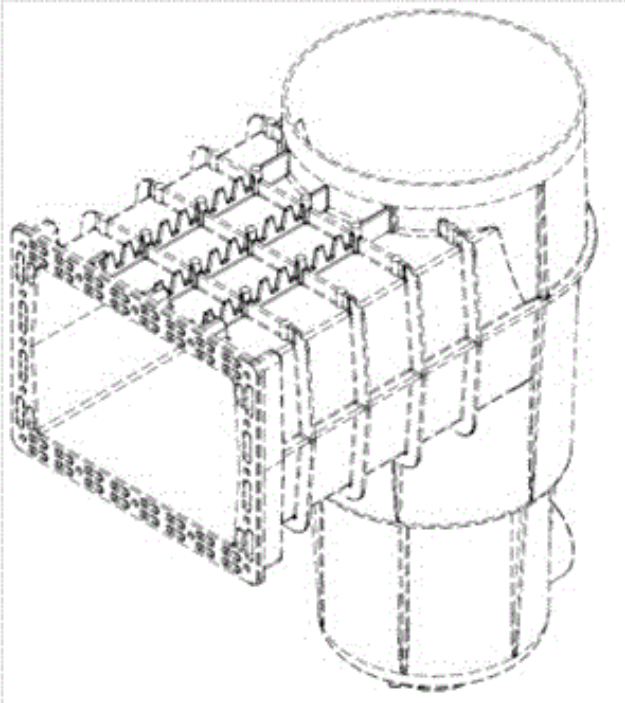
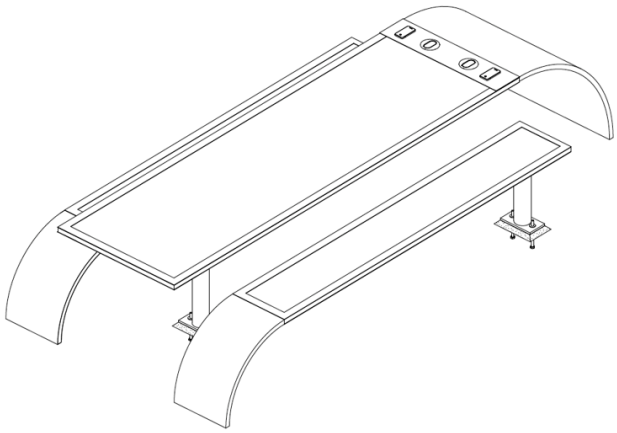


Figure 1
First three-dimensional view

21: F2026/00017 22: 2026-01-14 23:
43: 2026-01-14
52: Class 23 24: Part F
71: Fluidra Waterlinx (Pty) Ltd
54: Part of a Pool Weir Assembly
57: The design is for a part of a pool weir assembly, specifically a part above and below an intake between a faceplate and a main cylindrical body. Three rows of ridges are provided both above the intake and below the intake. The rows of ridges are parallel and laterally spaced apart. The ridges have a truncated triangular waveform shape.



21: F2026/00033 22: 2026-01-15 23:
43: 2026-08-05
52: Class 06 24: Part F
71: NYAMBOSE ARCHITECTS AND CONSTRUCTION (PTY) LTD
54: TABLE
57: The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of a table, substantially as shown in the accompanying representations.



21: F2026/00039 22: 2026-01-19 23:
43: 2026-08-04
52: Class 25. 24: Part F
71: THE TRUSTEES FOR THE TIME BEING OF THE OOSTHUIZEN TRUST
54: Frame Element

57: The design relates to a frame element. The features of the design are those of shape and/or configuration.



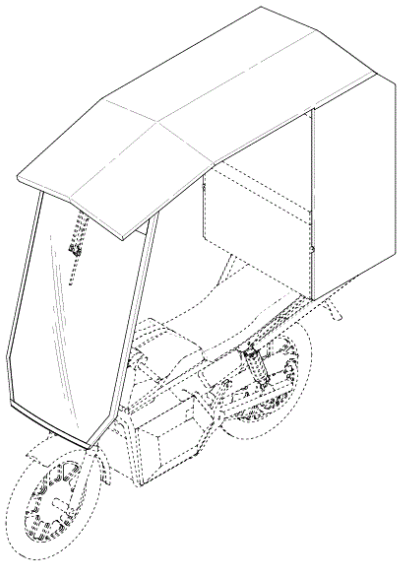
TOP VIEW

21: F2026/00043 22: 2026-01-19 23:
43: 2026-08-04
52: Class 25. 24: Part F
71: THE TRUSTEES FOR THE TIME BEING OF THE OOSTHUIZEN TRUST
54: Frame Element
57: The design relates to a frame element. The features of the design are those of shape and/or configuration.



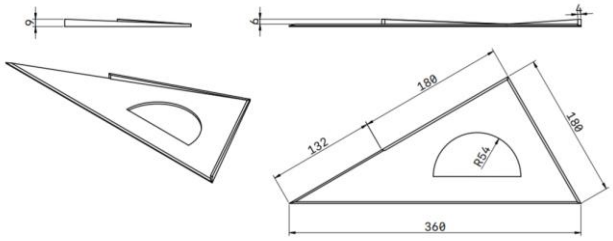
TOP VIEW

21: F2026/00067 22: 2026-01-29 23:
43: 2026-08-05
52: Class 12 24: Part F
71: ALTO ADIGE ACQUISITIONS PROPRIETARY LIMITED (REGISTRATION NO. 2022/735583/07)
54: A CANOPY FOR A MOTORCYCLE
57: The features of the design for which protection is claimed reside in the shape and configuration of a canopy for a motorcycle, wherein the canopy for a motorcycle is configured to be removably supported on and attached to a motorcycle, substantially as shown in the accompanying representations, irrespective of colour, surface finish, material composition, graphical indicia, dimensional scale of the canopy for a motorcycle, and irrespective of any features depicted in broken lines.

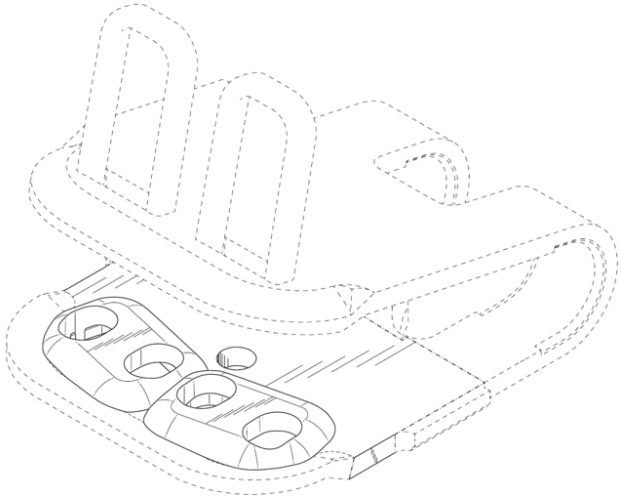


TOP, FRONT, AND LEFT PERSPECTIVE VIEW

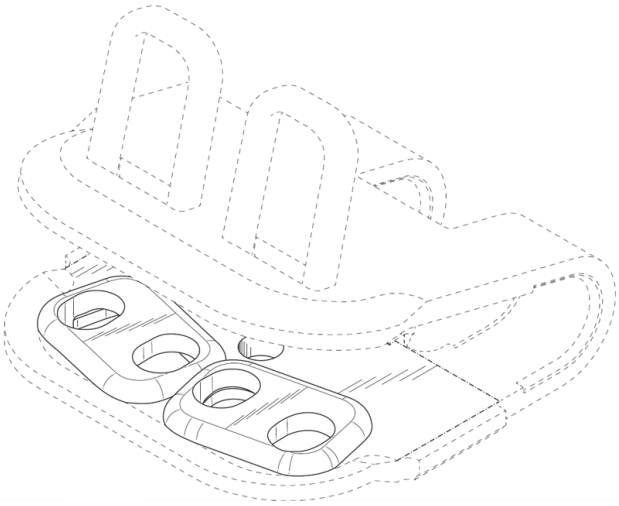
21: F2026/00097 22: 2026-02-05 23:
43: 2026-10-09
52: Class 19 24: Part F
71: Thobani
54: NAVI 3IN1 SET-SQUARE
57: Combination of 30/60° set-square, 45° set-square, and a protractor in a single simple design. Unique raised surface that allows it to be a full 45°set-square when flipped, without losing its full ability. Be able to get 2 full set-square with just a flipping feature.



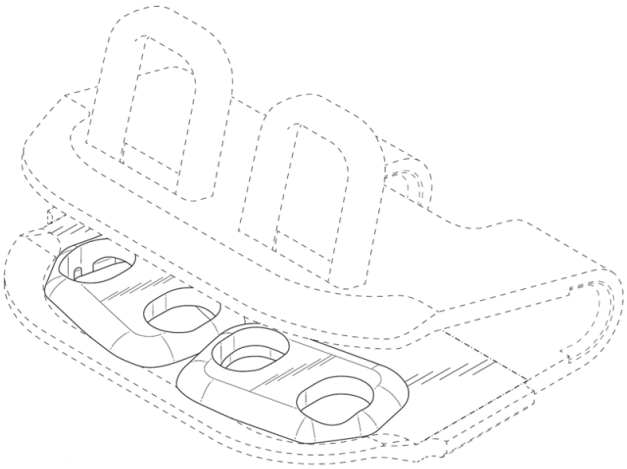
21: F2026/00100 22: 2026-02-06 23:
43: 2026-09-04
52: Class 08 24: Part F
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 30/017,092 32: 2025-08-07
54: CONVEYOR BELT FASTENER
57: The design is applied to a conveyor belt fastener. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the conveyor belt fastener.



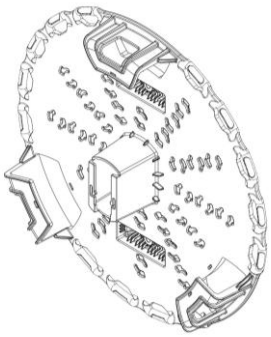
21: F2026/00101 22: 2026-02-06 23:
43: 2026-09-04
52: Class 08 24: Part F
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 30/017,092 32: 2025-08-07
54: CONVEYOR BELT FASTENER
57: The design is applied to a conveyor belt fastener. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the conveyor belt fastener.



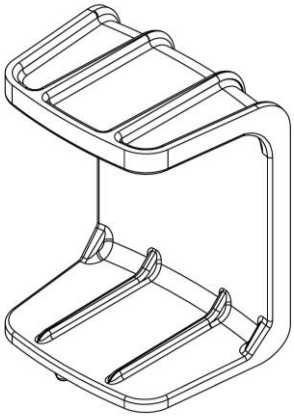
21: F2026/00103 22: 2026-02-06 23:
43: 2026-09-04
52: Class 08 24: Part F
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 30/017,092 32: 2025-08-07
54: CONVEYOR BELT FASTENER
57: The design is applied to a conveyor belt fastener. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the conveyor belt fastener.



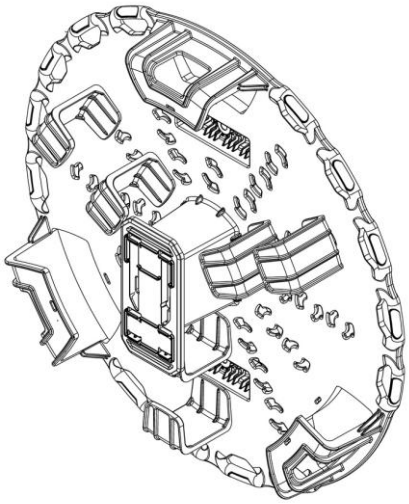
21: F2026/00119 22: 2026-02-10 23:
43: 2026-09-04
52: Class 25 24: Part F
71: STANTON GLOBAL (PTY) LTD
54: CABLE STORAGE BRACKET
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a cable slack storage bracket for a cable fixing system, substantially as shown in the representations, but those parts shown in broken lines are for illustrative purposes only and do not form essential part of the design. The bracket serves, in addition to other functions, as a cable slack storage mechanism in that excess or slack cable may be coiled around a central point. The bracket further defines a series of cable connector apertures arranged concentrically and/or radially outward from the central point, enabling cable clamps or retainers to be connected to the bracket in a plurality of orientations. The bracket may be configured to accommodate a complementary mounting plate, with the plate, the bracket, and the retainers constituting a cable fixation system.



21: F2026/00121 22: 2026-02-10 23:
43: 2026-09-04
52: Class 25 24: Part F
71: STANTON GLOBAL (PTY) LTD
54: CABLE RETAINER
57: The features of the design for which protection is claimed include the shape and/or configuration of a cable retainer for a cable fixing system, substantially as shown in the accompanying representations. The cable retainer serves, in addition to other functions, to retain excess or slack cabling, which may be coiled around a central point defined by a bracket. The cable retainer has protrusions which are configured to connect to complementary apertures forming part of a cable slack storage bracket.



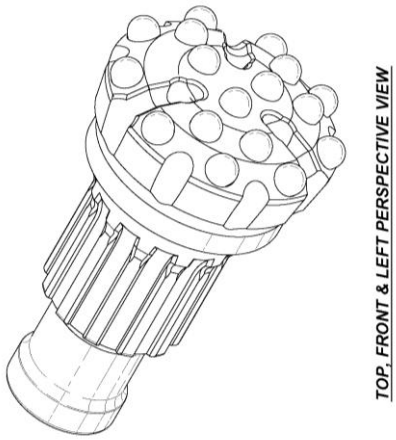
21: F2026/00123 22: 2026-02-10 23:
43: 2026-09-04
52: Class 25 24: Part F
71: STANTON GLOBAL (PTY) LTD
54: CABLE SLACK STORAGE ARRANGEMENT
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a cable slack storage arrangement, comprising a bracket and any number of retainers for a cable fixing system, substantially as shown in the representations. The cable slack storage arrangement serves, in addition to other functions, as a cable slack storage mechanism in that excess or slack cable may be coiled around a central point, and retainers, which may be individually and removably connected are arranged in any number of orientations or quantities, retain the slack cabling on the bracket. The bracket may be configured to accommodate a complementary mounting plate, with the plate and bracket constituting a cable fixation system.



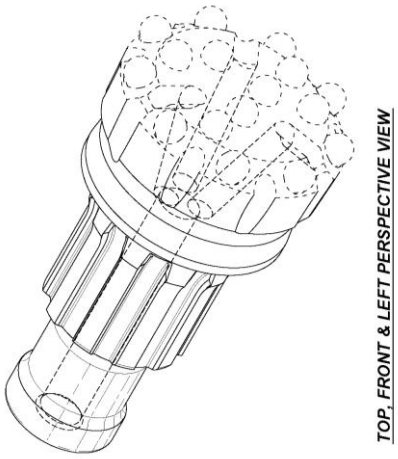
21: F2026/00184 22: 2026-02-25 23:
43: 2026-10-16
52: Class 02 24: Part F
71: Barend du Preez
54: MAGNETIC FASTENING DEVICE FOR FORMAL BOUTONNIERE/LAPEL/GARMENT DECORATION
57: Magnetic fastening device for formal boutonnieres, comprising a front decorative piece and a rear magnetic component arranged to secure the boutonniere to clothing without pins. The configuration of the magnet and its housing allows stable attachment and easy removal



21: F2026/00212 22: 2026-02-27 23:
43: 2026-09-04
52: Class 08 24: Part F
71: NEIZANNE (PTY) LTD
54: DOWN-THE-HOLE DRILL BIT
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a DOWN-THE-HOLE DRILL BIT substantially as illustrated in the accompanying representations.

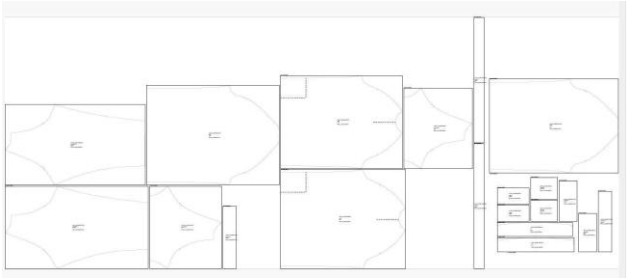


21: F2026/00215 22: 2026-02-27 23:
43: 2026-09-04
52: Class 08 24: Part F
71: NEIZANNE (PTY) LTD
54: DOWN-THE-HOLE DRILL BIT
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a DOWN-THE-HOLE DRILL BIT substantially as illustrated in the accompanying representations, irrespective of the face design, flushing grooves, number of inserts, or button sizes as indicated in broken lines.

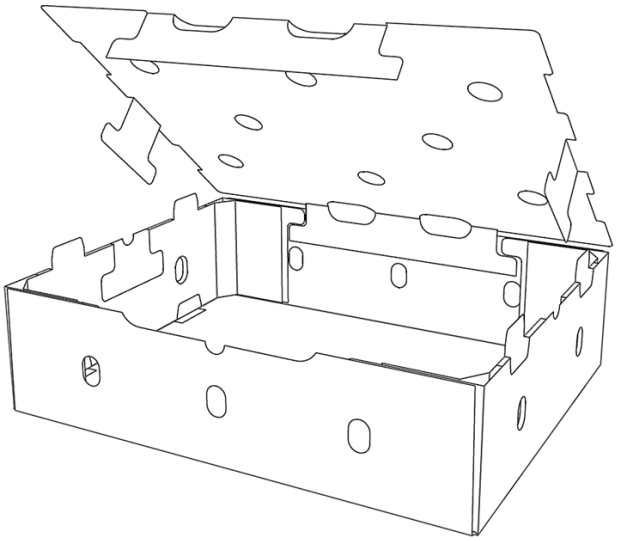


21: F2026/00252 22: 2026-03-13 23:
43: 2026-10-05
52: Class 02 24: Part F
71: ZAWADI SPORTS GROUP (PTY) LTD
54: SPORTS SHIRT
57: Statement of Features The design relates to garments, particularly sports or activewear garments, incorporating an internal cleaning patch for cleaning eyewear lenses such as sunglasses. The garment comprises a body portion including a front panel, back panel and sleeves. The sleeves may be raglan sleeves extending from the neckline to the underarm area. The garment may further include a Henley-style placket at the front neckline with buttons or other fastening means. A cleaning patch is sewn into the inside side seam of the garment. The patch is formed from soft cleaning fabric, such as microfiber cloth, terry cloth or a similar material suitable for cleaning lenses and delicate surfaces. The patch is positioned on the interior of the garment, typically along the left side seam, allowing the wearer to easily access the patch while wearing the garment. The patch may be square or rectangular in shape, and may have approximate dimensions of about 12 cm by 14 cm, although the exact dimensions may vary depending on the style and size of the garment. The edges of the patch are overlocked and stitched into the seam of the garment, securing the patch while allowing a

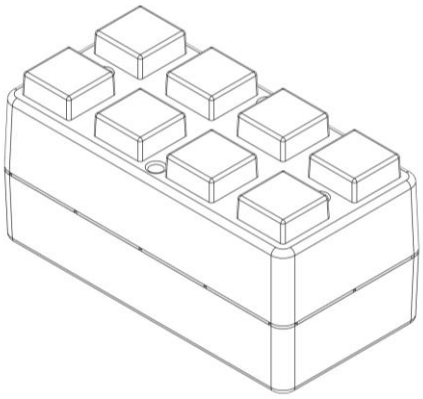
portion of the cloth to remain free for cleaning purposes. In use, the wearer may access the cleaning patch from inside the garment and use it to wipe sunglasses, spectacles, camera lenses or similar surfaces. The patch remains concealed during normal wear, thereby maintaining the external appearance of the garment while providing a functional cleaning surface. The garment may be manufactured from various textile materials, including cotton blends, polyester fabrics or other performance fabrics suitable for sportswear. The dimensions of the garment may vary depending on size ranges and style variations. Key Features The key features of the design include: a cleaning patch integrated into the interior side seam of a sports garment; the use of soft cleaning fabric, such as microfiber or terry cloth, suitable for cleaning lenses; the positioning of the patch on the interior of the garment, allowing convenient access by the wearer; the seam attachment and construction, where the patch is stitched into the garment seam with finished edges; and the concealed configuration of the patch, allowing the garment to maintain a conventional external appearance while incorporating a functional cleaning element.



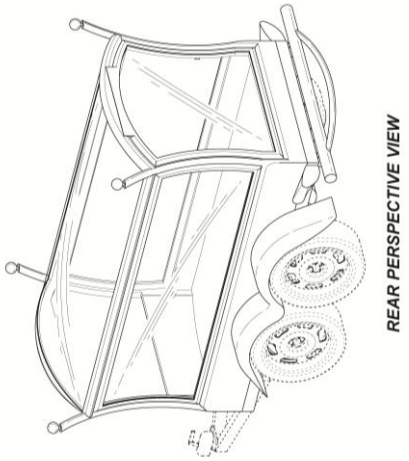
21: F2026/00286 22: 2026-03-18 23:
43: 2026-10-05
52: Class 09 24: Part F
71: APL CARTONS (PTY) LTD
54: CONTAINER AND LID
57: The design is for a container and lid. The container has a floor, two short side walls and two long side walls, and the lid has a top wall with four edges and side flaps with locking formations that extend from each of the four edges of the top wall. The container is also provided with locking formations that engage with the lid's locking formations when a side of the lid is locked in place or the lid is fitted on the container in the closed position.



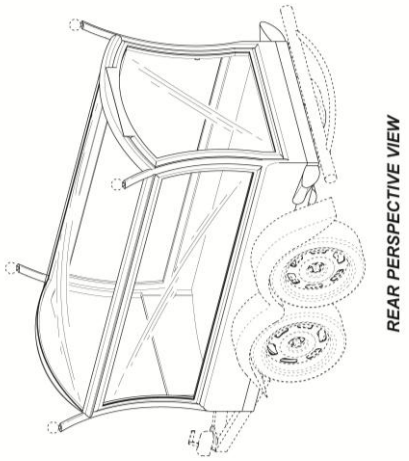
21: F2026/00299 22: 2026-03-18 23:
43: 2026-10-05
52: Class 25 24: Part F
71: DUBE, Alexander Memory
54: BLOCK FOR CONSTRUCTION
57: The novelty of this design resides in the shape and configuration of a BLOCK FOR CONSTRUCTION substantially as shown in the drawings.



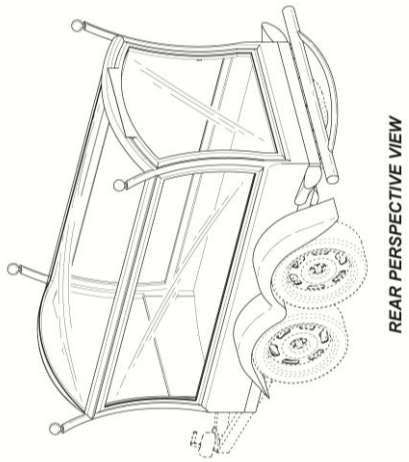
21: F2026/00581 22: 2026-05-22 23:
43: 2026-10-05
52: Class 09 24: Part F
71: HEDO DESIGNS (PTY) LTD
54: A CONTAINER
57: The design is for a CONTAINER. The features of the design are illustrated in the overall appearance of the CONTAINER. The features shown in dotted lines are optional and do not form an essential part of the design.



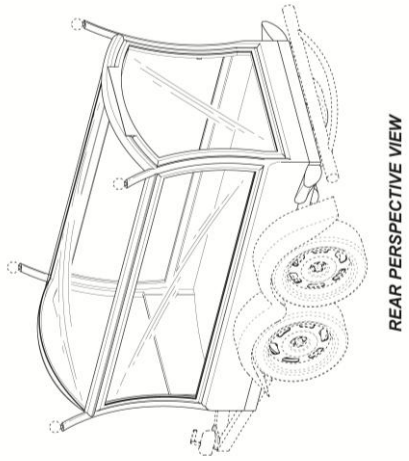
21: F2026/00583 22: 2026-05-22 23:
43: 2026-10-05
52: Class 12 24: Part F
71: HEDO DESIGNS (PTY) LTD
54: A MOBILE CONTAINER
57: The design is for a MOBILE CONTAINER. The features of the design are illustrated in the overall appearance of the MOBILE CONTAINER. The features shown in dotted lines are optional and do not form an essential part of the design.



21: F2026/00585 22: 2026-05-22 23:
43: 2026-10-05
52: Class 12 24: Part F
71: HEDO DESIGNS (PTY) LTD
54: A MOBILE CONTAINER
57: The design is for a MOBILE CONTAINER. The features of the design are illustrated in the overall appearance of the MOBILE CONTAINER. The features shown in dotted lines are optional and do not form an essential part of the design.



21: F2026/00587 22: 2026-05-22 23:
43: 2026-10-05
52: Class 09 24: Part F
71: HEDO DESIGNS (PTY) LTD
54: A CONTAINER
57: The design is for a CONTAINER. The features of the design are illustrated in the overall appearance of the CONTAINER. The features shown in dotted lines are optional and do not form an essential part of the design.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

NOTICE

Change in address of address for service for patent, trademark, design and copyright filings. As from **5 October 2026**, Smit & Van Wyk, Inc has relocated to new offices situated at:

Smit & Van Wyk

1st Floor, Attlynn Corner Building

379 Lynnwood Road

Menlo Park

Pretoria

0081

Their Docex address (Docex 111, Brooklyn) and Telephone details (012 349 7800) remain unchanged.

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: 2026/00011. 22: 2026/09/04 43: 2026/09/04
24: 2024/04/16 to 2025/11/28; Johannesburg North and South
25: 2026/08/18; Private
71: Bruce Zwane Films 16 Culross Road, Bryanston, 2191, South Africa
75: Muzi Dlamini, Johannesburg, ZA
76: Welcome Mashinini
77: Zuko Nodada
54: **Miss Fortune**
78: Mpumi Mpama; Zinhle Mabena; Tyson Mathonsi
26: To be confirmed
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: A young graduate gets mentorship but becomes too close to the mentor while also entangled with the wife.

58: DR

21: 2026/00012. 22: 2026/09/14 43: 2026/09/14
24: 2022/11/01 to 2026/07/31; Various locations in South Africa 2022/11/01 to 2026/07/31; Various locations in South Africa 2022/11/01 to 2026/07/31; Various locations in South Africa 2022/11/01 to 2026/07/31; Various locations in South Africa
25: 2026/07/31; Johannesburg 2026/07/31; Johannesburg 2026/07/31; Johannesburg 2026/07/31; Johannesburg
71: PINK MOON PROJECTS (PTY) LTD 36 Englewold Drive, Saxonwold, 2196, South Africa
75: Robert Abendanon & Ignatius Botes36 Englewold Drive, Saxonwold, ZA, 2196, Phone: 0826000140, Email: rob@abendanon.co.za
76: Daniel Michiel van Deventer; Daniel Michiel van Deventer; Daniel Michiel van Deventer; Daniel Michiel van Deventer
77: Daniel Michiel van Deventer; Daniel Michiel van Deventer; Daniel Michiel van Deventer; Daniel Michiel van Deventer
54: **Riviersonderend - Die verhaal van die Liedjieboer**
• Episode 1 1946-1979
• Episode 1 1946-1979
• Episode 2 1980-1986
• Episode 1 1946-1979
• Episode 2 1980-1986
• Episode 3 1987-2000
• Episode 1 1946-1979
• Episode 2 1980-1986
• Episode 3 1987-2000
• Episode 4 2000-2026
78: Anton Goosen; Anton Goosen; Anton Goosen; Anton Goosen
26: N/A
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: A biographical documentary mini series on the life of legendary South African singer/songwriter and the pivotal role he played in developing and popularizing original Afrikaans music.

58: DO

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICE

No records available

5. CORRECTION NOTICES

TRADE MARKS CORRECTION NOTICES

No records available

PATENTS CORRECTION NOTICES

No records available

DESIGNS CORRECTION NOTICES

No records available

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for October 2026

Number of Advertised Patents: 607

Application Number	Patent Title	Filing Date
2010/05851	CUSTOMISED SURGICAL APPARATUS	2010/08/16
2013/05573	SPATIALLY MODIFIED GENE EXPRESSION IN PLANTS	2013/07/23
2014/09047	CLOSURE FOR A PRODUCT-RETAINING CONTAINER	2014/12/09
2015/00162	FACTOR VIII COMPLEX WITH XTEN AND VON WILLEBRAND FACTOR PROTEIN, AND USES THEREOF	2015/01/09
2015/08591	RIB MOUNTING DEVICE WITH PIVOTING INSERT	2015/11/20
2015/09282	METHOD AND DEVICE FOR FORMING GROOVES IN PIPE ELEMENTS	2015/12/21
2017/01574	COMPOSITIONS, KITS, AND METHODS TO INDUCE ACQUIRED CYTORESISTANCE USING STRESS PROTEIN INDUCERS	2017/03/03
2017/02573	NOVEL CHO INTEGRATION SITES AND USES THEREOF	2017/04/11
2017/08469	IMPROVED FORMULATIONS OF DEFERASIROX AND METHODS OF MAKING THE SAME	2017/12/13
2018/01794	PROCESS OF PRODUCING LIQUID FUELS FROM COAL USING BIOMASS-DERIVED SOLVENTS	2018/03/16
2018/03580	REVERSIBLE MAGNETIC STARTER CONTROL METHOD OF UNIVERSAL ELECTRIC MULTI-TURN ACTUATOR	2018/05/30
2018/03677	PHARMACEUTICAL COMPOSITION	2018/06/01
2018/04462	LOW STEAM/CARBON REVAMP OF A PLANT COMPRISING A STEAM REFORMING SECTION AND A WATER-GAS SHIFT SECTION	2018/07/03
2018/07461	NON¿HUMAN ANIMALS EXPRESSING EXOGENOUS TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE	2018/11/07
2018/07682	POLYCRYSTALLINE DIAMOND CONSTRUCTIONS	2018/11/15
2019/00336	COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING A SYMPTON ASSOCIATED WITH GOUT OR HYPERURICEMIA	2019/01/17

Application Number	Patent Title	Filing Date
2019/00982	LOCKING MECHANISM FOR AN ENERGY MODULE	2019/02/15
2019/01133	TONER CARTRIDGE AND TONER SUPPLY MECHANISM	2019/02/22
2019/02229	TERT IMMUNOGENIC COMPOSITIONS AND METHODS OF TREATMENT USING THE SAME	2019/04/09
2019/02834	NOVEL MODULATORS OF THE 5-HYDROXYTRYPTAMINE RECEPTOR 7 AND THEIR METHOD OF USE	2019/05/06
2019/03001	COUPLING AND CIRCUMFERENTIAL GROOVE SHAPE	2019/05/14
2019/03220	RADIOLABELED ANTI¿PD¿L1 ANTIBODIES FOR IMMUNO¿PET IMAGING	2019/05/22
2019/04761	RECOMBINANT VACCINE AGAINST HELMINTHS IN PICHIA PASTORIS AND METHODS FOR PRODUCING AND PURIFYING PROTEINS FOR USE AS VACCINES AGAINST HELMINTHS	2019/07/19
2019/06027	HUMAN PLASMA KALLIKREIN INHIBITORS	2019/09/12
2019/06468	METHODS OF TREATING SCHIZOPHRENIA	2018/02/16
2019/06891	DISPERSION TRAY	2019/10/18
2019/07530	ELECTRONIC PLATFORM, SYSTEMS, AND METHODS FOR PLANNING POLISHED DIAMOND PARAMETERS TO ENABLE INDIVIDUAL DIAMOND TRANSACTIONS	2019/11/13
2019/07734	METHOD AND APPARATUS FOR INSTRUMENT PROPULSION	2019/11/22
2019/07848	FORMULATIONS OF HUMAN ANTI-RANKL ANTIBODIES, AND METHODS OF USING THE SAME	2019/11/25
2019/08143	DEEP LEARNING-BASED SPLICE SITE CLASSIFICATION	2019/12/09
2020/00217	IMIDAZOLE-CONTAINING INHIBITORS OF ALK2 KINASE	2020/01/13
2020/02033	LIVE-ATTENUATED FLAVIRUSES WITH HETEROLOGOUS ANTIGENS	2020/05/04
2020/02076	AAV VECTORS	2020/05/04
2020/02516	METHOD OF TREATMENT OF GASTROINTESTINAL DISEASES WITH TRADIPITANT	2020/05/07
2020/03080	INCRETIN ANALOGS AND USES THEREOF	2020/05/25
2020/03517	COMPOSITIONS AND METHODS FOR INHIBITING T CELL EXHAUSTION	2020/06/11
2020/04339	PRODUCTION OF NOVEL BETA-LACTOGLOBULIN PREPARATIONS	2020/07/15

Application Number	Patent Title	Filing Date
	AND RELATED METHODS, USES, AND FOOD PRODUCTS	
2020/04718	ANTIBODIES SPECIFIC FOR CD70 AND THEIR USES	2020/07/30
2020/04850	SILYLETHYNYL HETARYL COMPOUNDS AS NITRIFICATION INHIBITORS	2020/08/05
2020/05717	COMPOSITIONS AND METHODS FOR TREATING SEVERE CONSTIPATION	2020/09/15
2020/05750	CRYSTALLINE FORMS AND METHODS OF PRODUCING CRYSTALLINE FORMS OF A COMPOUND	2020/09/16
2020/05865	A SCRUBBER WITH A FRUSTO-CONICAL BODY AND A FRUSTO-CONICAL INSERT	2020/09/17
2020/06680	METHOD FOR MAKING INJECTABLE PHARMACEUTICAL COMPOSITIONS	2020/10/27
2020/07877	FLEXIBLE SEED EXTENSION FOR HASH TABLE GENOMIC MAPPING	2020/12/17
2021/00415	HIGH-AFFINITY, ISOFORM-SELECTIVE TGFß1 INHIBITORS AND USE THEREOF	2021/01/20
2021/00715	A PHARMACEUTICAL COMPOSITION FOR SAFE AND EFFECTIVE TREATMENT OF KNEE AND/OR HIP PAIN	2021/02/02
2021/00720	IRON CHELATORS AS ACTIVATORS IN ALKALINE FLOTATION CIRCUITS	2021/02/02
2021/00896	COMPOUNDS USEFUL FOR THE TREATMENT AND/OR CARE OF THE SKIN, HAIR, NAILS AND/OR MUCOUS MEMBRANES	2021/02/10
2021/01469	PNEUMOCOCCAL FUSION PROTEIN VACCINES	2021/03/03
2021/01555	COMPOUNDS AND METHODS FOR TREATING FUNGAL INFECTIONS	2021/03/08
2021/02011	MONITORING ORE	2021/03/25
2021/02442	ANTI-SARS-COV-2-SPIKE GLYCOPROTEIN ANTIBODIES AND ANTIGEN-BINDING FRAGMENTS	2021/04/07
2021/03710	SELF-ADVANCING ENDOSCOPIC PROBE AND SYSTEM COMPRISING SAME	2021/05/31
2021/04702	ANTI-IL2 RECEPTOR GAMMA ANTIGEN-BINDING PROTEINS	2021/07/06
2021/05066	PROCEDURES ENABLING V2X UNICAST COMMUNICATION OVER PC5 INTERFACE	2021/07/19
2021/05103	EMOLLIENT COMPOSITION IN EMULSION FORM	2021/07/20

Application Number	Patent Title	Filing Date
2021/05153	COMPOSITIONS AND METHODS FOR STIMULATING NATURAL KILLER CELLS	2021/07/21
2021/05484	METHODS FOR NONINVASIVE PRENATAL TESTING OF FETAL ABNORMALITIES	2021/08/02
2021/05491	METHOD OF DETERMINING THE ORIGIN OF NUCLEIC ACIDS IN A MIXED SAMPLE	2021/08/02
2021/06257	PROCESS FOR PREPARING POLYMERIC SECURITY ARTICLES	2021/08/27
2021/06679	IMPROVED THREE-PIECE CONTAINER ASSEMBLY	2021/09/09
2021/06917	IMMOBILIZATION IN FLOW CELLS	2021/09/17
2021/06983	HUMAN ANTIBODIES THAT BIND RET AND METHODS OF USE THEREOF	2021/09/20
2021/08203	NUCLEIC ACID, PHARMACEUTICAL COMPOSITION, CONJUGATE, PREPARATION METHOD, AND USE	2021/10/25
2021/08205	NUCLEIC ACID, PHARMACEUTICAL COMPOSITION, CONJUGATE, PREPARATION METHOD, AND USE	2021/10/25
2021/08687	WEIGHT DETERMINATION OF AN ANIMAL BASED ON 3D IMAGING	2021/11/05
2021/08832	GENE THERAPIES FOR LYSOSOMAL DISORDERS	2021/11/09
2022/00277	METHODS AND SYSTEMS FOR UTILIZING CALCIUM COMPOUND FROM CALCINED LIMESTONE	2022/01/05
2022/00727	NOVEL BSSL ANTIBODIES	2022/01/14
2022/01675	MODELLING OF UNDERGROUND WORKSITE	2022/02/08
2022/02795	HBV VACCINES AND METHODS TREATING HBV	2022/03/08
2022/03590	POLLUTED CO2 CAPTURING WITH LIME PRODUCED FROM PHOSPHOGYPSUM CALCINATION USING SULFUR AS NON-CO2 FUEL	2022/03/29
2022/04810	DYNAMIC SEALING STRUCTURE AND ROTARY KILN APPARATUS	2022/04/29
2022/04986	METHOD AND APPARATUS FOR PURIFYING GAS AND USE	2022/05/06
2022/05395	A CANCER DIAGNOSTIC	2022/05/16
2022/05793	INCONTINENCE ARTICLE WITH PH REGULATOR	2022/05/25
2022/05991	A 19-NOR C3,3-DISUBSTITUTED C21-N-PYRAZOLYL STEROID AND METHODS OF USE THEREOF	2022/05/30
2022/06281	MUTATION OF GROWTH REGULATING FACTOR FAMILY TRANSCRIPTION FACTORS FOR ENHANCED PLANT GROWTH	2022/06/06

Application Number	Patent Title	Filing Date
2022/07329	DIET FORMULATIONS	2022/07/01
2022/07393	MOLECULAR ANALYSES USING LONG CELL-FREE FRAGMENTS IN PREGNANCY	2022/07/04
2022/07666	INHIBITORS OF ENL/AF9 YEATS	2022/07/11
2022/07788	ADHESIVE PHOTOPROTECTIVE COMPOUNDS AND USES THEREOF	2022/07/13
2022/07906	NOVEL CELL METABOLISM MODULATING COMPOUNDS AND USES THEREOF	2022/07/15
2022/08108	INJECTION SYSTEMS, INJECTION TOOLS AND METHODS FOR SAME	2022/07/20
2022/08226	A FILTER DIAPHRAGM FOR A HORIZONTAL PLATE AND FRAME - TYPE FILTER, SUCH AS A TOWER PRESS	2022/07/22
2022/10015	SYSTEM AND METHOD FOR UNDERGROUND WIRELESS SENSOR COMMUNICATION	2022/09/08
2022/10486	CATHODE BLOCKS FOR ALUMINIUM ELECTROYSIS AND A METHOD FOR PRODUCING SAME	2022/09/21
2022/10948	EQUALIZATION-BASED IMAGE PROCESSING AND SPATIAL CROSSTALK ATTENUATOR	2022/10/05
2022/12451	HERBICIDAL COMBINATION AND METHOD OF CONTROLLING HERBICIDE RESISTANT WEEDS	2022/11/15
2022/12501	ANTI-VIRAL THERAPY	2022/11/16
2022/12767	A MIXTURE OF PYRETHROIDS AND MECTINS AND USES THEREOF	2022/11/23
2022/13491	A STABILIZATION SYSTEM FOR AN AGROCHEMICAL COMPOSITION	2022/12/13
2022/13867	HOME TOILET WASTE TREATMENT SYSTEM COMPRISING BIO-TREATMENT DEVICE AND COMBUSTION DEVICE, AND METHOD FOR TREATING TOILET WASTE BY USING SAME	2022/12/21
2023/01500	METHODS OF IDENTIFYING THE PRESENCE AND/OR CONCENTRATION AND/OR AMOUNT OF PROTEINS OR PROTEOMES	2023/02/06
2023/03683	PEROXYMONOSULFATE ORAL COMPOSITIONS FOR TOOTH WHITENING	2023/03/17
2023/04023	GYRATORY CRUSHER SPIDER BUSHING	2023/03/30
2023/04070	PHOTOSTABLE COMPOSITION AND METHOD OF REDUCING OR CONTROLLING WEED POPULATION APPLYING SAID COMPOSITION	2023/03/31

Application Number	Patent Title	Filing Date
2023/04170	POTENT AND SELCTIVE COMPOUNDS AS SEROTONIN 1B RECEPTOR MODULATORS	2023/04/05
2023/05126	DICHLOROPHENOL HSD17B13 INHIBITORS AND USES THEREOF	2023/05/09
2023/06184	LOW NI CONTENT AUSTENITIC STAINLESS STEEL WITH HIGH STRENGTH / DUCTILITY PROPERTIES	2023/06/12
2023/06244	BORATE DERIVATIVE AND USES THEREOF	2023/06/14
2023/06705	PROTECTIVE STRUCTURE, AND METHOD FOR DISSIPATING TENSILE LOAD INTRODUCED INTO A SUPPORTING CABLE OF A SUPPORTING-CABLE ASSEMBLY OF THE PROTECTIVE STRUCTURE	2023/06/29
2023/06811	FERRONICKEL ALLOY DIRECT REFINING PROCESSES AND PROCESSES FOR PRODUCING NICKEL SULFATE OR OTHER NICKEL PRODUCTS	2023/07/04
2023/06853	PROCESS FOR SEPARATING HEAVY BY-PRODUCTS AND CATALYST LIGAN FROM A VAPOUR STREAM COMPRISING ALDEHYDE	2023/07/05
2023/06950	A CORE SAMPLE HANDLING DEVICE	2023/07/10
2023/07054	WHITE TOP KRAFTLINER PAPER, METHOD FOR PRODUCING SAID PAPER, USE OF THE PAPER AND PACKAGING	2023/07/13
2023/07102	IMPLANT	2023/07/14
2023/07152	DATASET MULTIPLEXER FOR DATA PROCESSING SYSTEM	2023/07/17
2023/07187	PATHWAY MODULATOR, PHARMACEUTICAL COMPOSITION HAVING SAME, USE THEREOF, AND THERAPEUTIC METHOD USING SAME	2023/07/18
2023/07224	METHODS AND SYSTEMS FOR MAINTAINING A TIME MEASUREMENT ON AN ELECTRONIC DEVICE	2023/07/19
2023/07269	A DATA PACKET TRANSACTION TIMING SOLUTION FOR A WIRELESS COMMUNICATION SYSTEM	2023/07/20
2023/07307	METHODS OF MAKING TRANS ISOMERIC FORMS OF G PROTEIN-COUPLED RECEPTOR	2023/07/21
2023/07331	A TILTING APPARATUS	2023/07/24
2023/07642	SPECTACLE LENS	2023/08/02

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2023/07672	BETULIN-CONTAINING BIRCH BARK EXTRACTS AND THEIR FORMULATION	2023/08/03
2023/08989	CLIENT FILTER VPN	2023/09/22
2023/10239	IL-2-AND ANTI-PD-1 BASED THERAPEUTICS AND METHODS OF USE THEREOF	2023/11/02
2024/00696	RECOMBINANT MYCOBACTERIUM AS AN IMMUNOTHERAPEUTIC AGENT FOR THE SECOND-LINE THERAPY OF BLADDER CARCINOMA	2024/01/19
2024/01771	METHOD FOR THE TREATMENT OF A FIBROUS RAW MATERIAL	2024/02/29
2024/01778	EXCITER WITH SEPARATE HOUSING AND MOUNTING PLATE	2024/02/29
2024/01779	COOLING VIBRATION EXCITER APPARATUS	2024/02/29
2024/01810	PERSONAL CASE COMPOSITION BASED ON ANIONIC SURFACTANT, AMPHOTERIC SURFACTANT AND ALKYL GLUCOSIDE	2024/03/01
2024/01811	PERSONAL CARE COMPOSITIONS BASED ON AMINOACIDS AND SKIN PENETRATION ENHANCER	2024/03/01
2024/02184	MICROENCAPSULATION	2024/03/18
2024/02286	WOUND DRESSING WITH ODOR CONTROL PROPERTIES	2024/03/20
2024/02287	MINING AUTOMATION SYSTEM OPERATION ZONE CONTROL	2024/03/20
2024/02288	CONTROL INFORMATION	2024/03/20
2024/02372	COMPOUNDS AND METHODS FOR SKIPPING EXON 44 IN DUCHENNE MUSCULAR DYSTROPHY	2024/03/25
2024/02488	METHOD AND SYSTEM FOR VALIDATING A DIGITAL CONTENT	2024/03/27
2024/02558	A STABLE AGROCHEMICAL COMPOSITION	2024/04/02
2024/02747	A NON-FAT CREAMER POWDER, AND A METHOD OF MAKING THE SAME	2024/04/09
2024/02780	FLEXIBLE TCI STATE INDICATION UNDER UNIFIED TCI FRAMEWORK	2024/04/10
2024/02859	ANTIBODIES TARGETING CCR2	2024/04/12
2024/03512	NOVEL BACTERIAL TRANSLOCATION DOMAINS AND RECOMBINANT POLYPEPTIDES COMPRISING THEM FOR USE IN CELLULAR DELIVERY	2024/05/07
2024/04310	BCL-2 INHIBITORS	2024/05/31
2024/04469	TAURINE SUPPLEMENTED CELL CULTURE MEDIUM AND METHODS OF USE	2024/06/10

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2024/04478	DEVICE AND SYSTEM FOR AQUEOUS WAVE MEASUREMENT	2024/06/10
2024/04579	INCONTINENCE ARTICLE COMPRISING A CHANNEL	2024/06/12
2024/04605	MULTI-NOZZLE PULVERIZED COAL GASIFICATION DEVICE AND CONTROL METHOD FOR STARTUP AND SHUTDOWN OF COAL GASIFICATION DEVICE	2024/06/13
2024/04768	AN ORAL SMOKELESS PRODUCT COMPRISING AN ACTIVE AGENT AND/OR A FLAVOUR	2024/06/19
2024/04772	COUPLER DEVICE	2024/06/19
2024/05388	A MICROCHIP FOR DRIVING A RESONANT CIRCUIT	2024/07/10
2024/05389	AN APPARATUS FOR TRANSMITTING ULTRASONIC WAVES	2024/07/10
2024/05568	A ZONED REACTOR FOR THE REFORMING OF NH3	2024/07/17
2024/05752	COLLISION MITIGATION DEVICE	2024/07/25
2024/05829	COMPOUNDS AND RADIOLIGANDS FOR TARGETING NEUROTENSIN RECEPTOR AND USES THEREOF	2024/07/29
2024/05882	SINGLE MIXED REFRIGERANT LNG PRODUCTION PROCESS	2024/07/30
2024/06505	LOCALIZED SURFACE PLASMON RESONANCE DETECTOR	2024/08/23
2024/06912	INFRARED PLASMA LIGHT RECYCLING THERMOPHOTOVOLTAIC HYDROGEN ELECTRICAL POWER GENERATOR	2024/09/09
2024/08190	MASP-2 INHIBITORS AND METHODS OF USE	2024/10/30
2024/08323	NON-INVASIVE CONTINUOUS BLOOD PRESSURE MONITORING	2024/11/04
2024/08324	AN APPARATUS FOR DETECTING PARTIAL DISCHARGE IN ELECTRICAL EQUIPMENT	2024/11/04
2024/08530	A MODULATOR	2024/11/11
2024/08532	A MODULATOR	2024/11/11
2024/08533	A MODULATOR	2024/11/11
2024/08741	A PASSIVE DUPLEXER	2024/11/18
2024/08886	NITROAROMATIC COMPOUND AND ENCLOSURE SENSOR	2024/11/22
2024/09009	HERBICIDAL DERIVATIVES	2024/11/26
2025/00424	METHANOL-BASED ENGINE FUEL CONTAINING A COMBUSTION-ENHANCING ADDITIVE	2025/01/13
2025/01949	NOVEL COCRYSTALS OF METHYLXANTHINES, THEIR	2025/03/04

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	POLYMORPHS AND PROCESS THEREOF	
2025/01997	SPATIAL CONFIGURATION ADAPTATION	2025/03/05
2025/02005	FROTH PUMP ASSEMBLY AND PARTS THEREOF	2025/03/05
2025/02057	METHOD FOR MAINTAINING A NUCLEAR REACTOR	2025/03/06
2025/02079	REINFORCED POLYMER FASTENER AND RELATED METHOD OF MANUFACTURE	2025/03/07
2025/02388	METHOD FOR TREATING A T-LYMPHOCYTE-MEDIATED DISEASE	2025/03/18
2025/02638	NUTRITIONAL SOIL CONDITIONING AGENT	2025/03/26
2025/03227	MANAGING OF SATELLITE ASSISTANCE INFORMATION DURING HANDOVER PROCEDURE	2025/04/16
2025/03228	CONDITIONAL SKIPPING MONITORING OF DOWNLINK CONTROL CHANNEL	2025/04/16
2025/03232	A METHOD OF REDUCING DIVERSITY OF TWO-SIDED MACHINE LEARNING MODELS	2025/04/16
2025/03416	MULTICAST AND BROADCAST SERVICES IN CELLULAR COMMUNICATION NETWORKS	2025/04/23
2025/03417	DEVICES, METHODS, APPARATUSES, AND COMPUTER READABLE MEDIA FOR NON-TERRESTRIAL NETWORKS	2025/04/23
2025/03419	APERIODIC REFERENCE SIGNAL BASED SECONDARY CELL ACTIVATION	2025/04/23
2025/03420	INTER CELL BEAM MANAGEMENT MODE AND LOWER LAYER MOBILITY	2025/04/23
2025/03423	MONITORING OF PDCCH CANDIDATES OVERLAPPING WITH LTE CRS IN ENHANCED DYNAMIC SPECTRUM SHARING CONFIGURATION	2025/04/23
2025/03425	ENHANCED CSI CONFIGURATION FOR SPATIAL DOMAIN ADAPTATION	2025/04/23
2025/03428	TRAINING DATA COLLECTION	2025/04/23
2025/03557	METHOD, APPARATUS AND COMPUTER PROGRAM	2025/04/25
2025/03928	TREATMENTS FOR AMYOTROPHIC LATERAL SCLEROSIS USING DAZUCORILANT	2025/05/08
2025/04963	ELONGATED CEILING GRID MEMBER AND CEILING GRID ASSEMBLY	2025/06/11

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	INCLUDING A PLURALITY OF THE ELONGATED CEILING GRID MEMBER	
2025/05292	A POWER DISTRIBUTION UNIT (PDU) FOR OPTIMIZING THE DISTRIBUTION OF POWER TO MULTI-PSU ICT EQUIPMENT SUCH AS SERVERS AND NETWORK SWITCHES ARRANGED IN A DATA CENTER RACK	2025/06/20
2025/05347	FLUID FILTER RETENTION MECHANISM	2025/06/23
2025/05424	ENCODING AND DECODING METHOD, CODEC, BITSTREAM, AND STORAGE MEDIUM	2025/06/25
2025/05645	ANTIPERSPIRANT AEROSOL COMPOSITION	2025/07/02
2025/05685	4-AMINOPIPERIDINE COMPOUND, LIPID NANOPARTICLES THEREOF, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME	2025/07/03
2025/05774	A FLYING INSECT TRAP	2025/07/07
2025/05828	PRODUCTION METHOD FOR EXHAUST GAS PURIFICATION CATALYST	2025/07/08
2025/05829	COMPOSITIONS AND METHODS FOR TREATING HYPERPROCALCITONEMIA	2025/07/08
2025/05927	CABLE GLAND	2025/07/11
2025/05928	CABLE GLAND	2025/07/11
2025/06024	SYSTEM, METHOD, AND COMPUTER-PROGRAM PRODUCT FOR TASK-BASED SHORT-TERM MANAGEMENT OF A MINE SITE	2025/07/15
2025/06025	A SERVICE COVER FOR INSTALLING AND REMOVING FILTER ELEMENTS OF A FILTER ASSEMBLY	2025/07/15
2025/06026	AUTOMATIC DECK WRENCH ENGAGEMENT FOR DRILLING MACHINES	2025/07/15
2025/06079	MANUFACTURE OF XANTHATE BY CONTINUOUS CONVERSION	2025/07/17
2025/06092	IMPELLER FOR A PUMP AND A PUMP COMPRISING SUCH AN IMPELLER	2025/07/17
2025/06093	SUBMERGIBLE MULTISTAGE PUMP	2025/07/17
2025/06096	ASSEMBLY FOR CASTING MOLTEN METAL COMPRISING A SAND CASTING MOULD, A SHORT-SHROUD, AND A MOULD / SHROUD COUPLING MECHANISM, CASTING INSTALLATION AND METHOD FOR CASTING A MOLTEN METAL PART	2025/07/17

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2025/06186	ACTIVATED PYROLYTIC CARBON BLACKS RECOVERED FROM USED TYRES AND PREVIOUSLY PURIFIED AND THE APPLICATION THEREOF IN THE PRODUCTION OF COMPOUNDS FOR THE RUBBER INDUSTRY, SUCH AS COMPONENTS FOR NEW TYRES OR FOR NEW TECHNICAL ARTICLES	2025/07/21
2025/06187	METHOD FOR FRACTURING ROCK MULTI-DIRECTIONALLY AND DEVICE FOR FRACTURING ROCK MULTI-DIRECTIONALLY	2025/07/21
2025/06256	EXHAUST GAS PURIFICATION CATALYST MANUFACTURING DEVICE, AND EXHAUST GAS PURIFICATION CATALYST MANUFACTURING METHOD	2025/07/23
2025/06310	METHOD AND APPARATUS IN NODE USED FOR WIRELESS COMMUNICATION	2025/07/25
2025/06373	BIDIRECTIONAL ONE PIECE METAL SEAT FOR BALL VALVE	2025/07/29
2025/06424	COKE OVEN WALL REPAIRING METHOD	2025/07/30
2025/06425	CARBONIZATION CHAMBER USABLE PERIOD PREDICTING METHOD AND CARBONIZATION CHAMBER REPAIRING METHOD	2025/07/30
2025/06426	METHOD FOR PREDICTING LIFE OF COKE OVEN BATTERY	2025/07/30
2025/06427	WATER-FREE PERSONAL CARE COMPOSITION	2025/07/30
2025/06428	BIOFILM DETECTION SOLUTION AND METHOD OF APPLICATION TO SURFACES	2025/07/30
2025/06429	CONCENTRATED LIQUID CLEANING COMPOSITION	2025/07/30
2025/06430	AUTOMATED FUNGICIDE SPRAY TIMING	2025/07/30
2025/06598	SOLID CORE LESS-LETHAL PROJECTILE	2025/08/06
2025/06599	NOVEL CARNOSINE SYNTHASE, AND METHOD FOR PRODUCING CARNOSINE BY USING SAME	2025/08/06
2025/07784	METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE	2025/09/12
2025/07788	METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE	2025/09/12
2025/07854	METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE	2025/09/15
2025/07982	GROUND CABLE WITH VISUAL INDICATOR	2025/09/18

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2025/07997	TROP2 CONJUGATED BIOLOGICAL MOLECULES, PHARMACEUTICAL COMPOSITIONS AND METHODS	2025/09/18
2025/08013	ANCHORING MEMBER FOR A FACING PANEL FOR STABILISED EARTH STRUCTURES	2025/09/18
2025/08318	A SAFETY NET FOR PERMANENT INSTALLATION AND A METHOD OF INSTALLING SAME	2025/09/25
2025/08375	METHOD FOR RECYCLING POLYOLEFIN CONTAINERS	2025/10/01
2025/08382	CLOSURE CAP MADE OF PLASTIC	2025/10/01
2025/08429	SYSTEM AND METHOD FOR UNDERWATER PAYLOAD ESTIMATION IN DRAGLINE BUCKET	2025/10/03
2025/08557	CARBONIZED PRODUCT-CONTAINING GRANULES AND METHOD FOR PRODUCING THEM, AND USE	2025/10/10
2025/08645	MANUFACTURING METHOD FOR A METALLIC PART AND ASSOCIATED METALLIC PART	2025/10/14
2025/08646	MANUFACTURING METHOD FOR A METALLIC PART AND ASSOCIATED METALLIC PART	2025/10/14
2025/09071	TRANSFER OF INDICATOR MEANS TO A SURFACE AREA	2025/10/29
2025/09223	FLAME-RETARDANT CROSSLINKED POLYETHYLENE INSULATED POWER CABLE AND PREPARATION METHOD THEREOF	2025/10/31
2025/09771	METHODS AND APOE PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT AND THE PREVENTION OF ALZHEIMERS DISEASE	2025/11/17
2025/09793	HISTORY-BASED RICE PARAMETER DERIVATIONS FOR WAVEFRONT PARALLEL PROCESSING IN VIDEO CODING	2025/11/18
2025/09794	HISTORY-BASED RICE PARAMETER DERIVATIONS FOR WAVEFRONT PARALLEL PROCESSING IN VIDEO CODING	2025/11/18
2025/10238	A SYNTHETIC CYBERATTACK TOOL THAT USES A GENERATIVE ARTIFICIAL INTELLIGENCE COMPONENT	2025/11/28
2025/10559	GASIFICATION	2025/12/08
2025/10662	COLORANT TABLETS	2025/12/10

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2025/10773	A CORE, AN ELECTRICAL POWER CABLE AND A METHOD OF MANUFACTURING SAME	2025/12/15
2025/10837	AI-ASSISTED MIST-COOLED THERMAL MANAGEMENT SYSTEM FOR LITHIUM-ION BATTERY MODULE WITH HYDROPHILIC CELL SURFACES	2025/12/17
2025/10874	HYBRID BIOMATRIX AND PREPARATION METHOD THEREOF	2025/12/17
2025/10876	SULFONAMIDE COMPOUND, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL USE THEREOF	2025/12/17
2025/10877	STEEL PLATE OF A CONCRETE SECTION OF A WIND TURBINE TOWER, SUBSET OF A WIND TURBINE TOWER, WIND TURBINE AND METHOD OF ASSEMBLING A WIND TURBINE TOWER	2025/12/17
2025/10878	SET OF CONCRETE SEGMENTS OF ADJACENT SECTIONS OF A WIND TURBINE TOWER, AND METHOD OF ASSEMBLING A WIND TURBINE	2025/12/17
2025/10935	CONNECTION FOR WATER-BEARING DEVICES	2025/12/18
2025/10998	INTEGRATED PRECISION TREATMENT DEVICE COMBINING ULTRASONIC PROBE AND ACUPOTOMY	2025/12/19
2025/11013	A GRADIENT GUIDE FRAME FRAME FOR SOLAR PANELS WITH SELF-CLEANING FUNCTION	2025/12/19
2025/11025	CONCRETE SEGMENT OF AN UPPER CONCRETE SECTION OF A WIND TURBINE TOWER, MOULD CONFIGURED TO CAST SUCH A CONCRETE SEGMENT AND METHOD OF ASSEMBLING A WIND TURBINE COMPRISING SUCH A CONCRETE SEGMENT	2025/12/19
2025/11030	CONCRETE SEGMENT OF AN UPPER CONCRETE SECTION OF A WIND TURBINE TOWER, MOULD CONFIGURED TO CAST SUCH A CONCRETE SEGMENT AND METHOD OF ASSEMBLING A WIND TURBINE COMPRISING SUCH A CONCRETE SEGMENT	2025/12/19
2025/11031	ELECTRICALLY CONDUCTIVE CURABLE SILICONE COMPOSITION	2025/12/19
2025/11037	COMPONENT-NORMALIZED VARIABLE-STRENGTH DUAL-PHASE	2025/12/19

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	STEEL PLATE AND FLEXIBLE MANUFACTURING METHOD THEREFOR	
2025/11067	EPCAM ANTIBODIES, ACTIVATABLE ANTIBODIES, AND IMMUNOCONJUGATES, AND USES THEREOF	2025/12/22
2025/11082	PHOTOVOLTAIC SOLAR PANEL	2025/12/22
2025/11084	A PROCESS OF PREPARATION OF AN ANTIBACTERIAL COMPOUND AND ITS INTERMEDIATES THEREOF	2025/12/22
2025/11137	METHOD FOR FORMING STRUCTURAL STEEL MOLD FORGING WITH A “TURTLE SHELL”-LIKE STRUCTURE AND RAISED CHARACTERS	2025/12/23
2025/11138	METHOD AND SYSTEM FOR EXTRACTING NATURAL RESOURCE ELEMENT BY COUPLING SPECTRAL FEATURE AND DRY-WET FEATURE	2025/12/23
2025/11150	RECTANGULAR TUBULAR CONDUCTOR BUSBAR WITH SOLID CORE AND INTERNAL HEAT DISSIPATION	2025/12/23
2025/11154	DOUBLE WALL LANCE FOR INJECTING REDUCING AGENT AND OXYGEN THROUGH A TUYERE IN A BLAST FURNACE	2025/12/23
2025/11166	PERMANENT MAGNET ELECTRIC MOTOR, ELECTRIC MOTOR ROTOR SYSTEM, AND MANUFACTURING METHOD THEREFOR	2025/12/23
2025/11167	TRACTION AND AUXILIARY CONVERTER STRUCTURE FOR 400 KM/H ELECTRIC MULTIPLE UNIT	2025/12/23
2025/11168	TRAIN CONTROL SYSTEM	2025/12/23
2025/11179	TRANSPORTATION FRAME, SUPPORT AND TRANSPORTATION APPARATUS, TRANSPORTATION SYSTEM, WIND FARM AND WIND TURBINE GENERATOR SET	2025/12/23
2026/00040	AN ELECTRODE PAD WITH AN ANTI-DETACHMENT MECHANISM AND A DETACHMENT ALARM SYSTEM FOR ELECTROTHERAPY DEVICES	2026/01/05
2026/00055	A DISTRIBUTED BIG DATA KEY-VALUE AGGREGATION METHOD, APPARATUS, SYSTEM, AND STORAGE MEDIUM	2026/01/05
2026/00056	A DISTRIBUTED QUERY METHOD, APPARATUS, SYSTEM, AND STORAGE MEDIUM	2026/01/05

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2026/00062	AN IN-NETWORK AGGREGATION METHOD, DEVICE, SYSTEM, AND STORAGE MEDIUM	2026/01/05
2026/00066	METHOD AND DEVICE FOR AUXILIARY REHABILITATION OF COGNITIVE IMPAIRMENT AFTER STROKE BASED ON VIRTUAL AND AUGMENTED REALITY	2026/01/05
2026/00075	SYSTEM AND METHOD FOR RECORDING, VERIFYING, AND RETRIEVING TAMPER-RESISTANT VEHICLE SPEED DATA FOR USE IN TRAFFIC SPEED DISPUTES	2026/01/05
2026/00117	A SPORTS ANKLE SUPPORT DEVICE WITH ANTI-SPRAIN STRUCTURE	2026/01/05
2026/00118	A DEVICE FOR CORRECTING THE DIRECTION OF SERVICE IN BADMINTON TRAINING	2026/01/05
2026/00119	A QUICKLY-INSTALLABLE SUPPORT STRUCTURE FOR OUTDOOR SPORTS NET	2026/01/05
2026/00149	TECHNOLOGIES FOR PREVENTING THE EXPLOSION OF ELECTRICAL TRANSFORMERS	2026/01/05
2026/00155	SYSTEM AND METHOD FOR HIGH VOLTAGE (HV) MANAGEMENT IN NON-HVIL VEHICLES	2026/01/05
2026/00212	USE OF CELL SWITCH ASSISTANCE INFORMATION FOR SSB SEARCHING DURING SATELLITE SWITCHING	2026/01/06
2026/00250	OPTIMIZATION DEPLOYMENT DEFENSE METHODOLOGY AND ASSOCIATED EQUIPMENT FOR ENERGY STORAGE INVERTERS BASED ON TWO-LAYER STACKELBERG GAME	2026/01/07
2026/00294	A METHOD AND SYSTEM FOR ESTIMATING THE SPATIOTEMPORAL VARIATION OF SOIL ORGANIC CARBON AND ITS CARBON SEQUESTRATION POTENTIAL	2026/01/08
2026/00316	ROOF TILE ATTACHMENT SYSTEM AND METHOD OF TILING A PITCHED ROOF	2026/01/08
2026/00339	DISPENSER	2026/01/08
2026/00431	A RETROFITTABLE CULTIVATOR ASSEMBLY	2026/01/12
2026/00471	SYNCHRONOUS SIFENG-ACUPOINT BLOODLETTING NEGATIVE PRESSURE GLOVE FOR CHILDREN	2026/01/13
2026/00575	A STORAGE IN AND OUT DEVICE AND CONTROL METHOD FOR MATERIAL PALLET	2026/01/15

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2026/00617	AN OFFSHORE SEMI-SUBMERSIBLE WIND POWER FOUNDATION PLATFORM	2026/01/16
2026/00622	PARENTERAL FORMULATION OF A GLUCAGON-LIKE PEPTIDE-1 ANALOGUE AND METHOD FOR PREPARATION THEREOF	2026/01/16
2026/00715	AUTOMATIC ALIGNMENT OF VIDEO STREAMS	2026/01/19
2026/00723	BICYCLIC PEPTIDE LIGANDS SPECIFIC FOR NECTIN-4	2026/01/19
2026/00731	ENERGY GENERATION, TRANSFORMATION AND STORAGE APPARATUS AND PROCESS	2026/01/19
2026/00775	CYSTEAMINE FOR THE TREATMENT OF SARS-COV-2 INFECTION	2026/01/20
2026/00780	SUPPORT DEVICE FOR A CONTAINER	2026/01/20
2026/00796	A READY-TO-USE ORAL LIQUID FORMULATION OF WARFARIN SODIUM	2026/01/20
2026/00806	COMPUTER DEVICE FOR DATABASE GENERATION	2026/01/21
2026/00834	HIGH-TEMPERATURE THERMAL INITIATOR AND PREPARATION METHOD THEREFOR AND USE THEREOF	2026/01/21
2026/00864	ADSORBENT FOR GERMANIUM [68GE]-GALLIUM [68GA] GENERATOR, PREPARATION METHOD THEREFOR AND GERMANIUM [68GE]-GALLIUM [68GA] GENERATOR	2026/01/21
2026/00911	PRE-TRAINED MACHINE LEARNING MODELS FOR REAL-TIME SPEECH FORM CONVERSION	2026/01/22
2026/00991	EXPLOSIVE CHARGE TAMPING	2026/01/23
2026/01036	CONTEXT-AWARE TEMPORAL MESSAGING SYSTEM AND METHOD	2026/01/26
2026/01041	A MULTIFUNCTIONAL DISPLAY DEVICE FOR PRODUCING FILM AND TELEVISION ANIMATION	2026/01/26
2026/01042	A METHOD FOR GRADING AND WARNING OF TUNNEL WATER GUSHING DISASTERS IN ACTIVE FAULT ZONES BASED ON DYNAMIC FUSION OF MULTI-SOURCE INFORMATION AND SELF-LEARNING	2026/01/26
2026/01045	FOLDABLE STORAGE TRAY	2026/01/26
2026/01054	USE OF WULING FORMULATION IN THE PREPARATION OF DRUG FOR	2026/01/26

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	PREVENTING OR TREATING NON-ALCOHOLIC FATTY LIVER DISEASE	
2026/01075	TWO-STORY ELECTRICALLY OPERATED LIFTING CARAVAN	2026/01/27
2026/01079	AN AI-INTELLIGENT RFID COMMEMORATIVE ARTIFICIAL DIAMOND JEWELRY BASED ON BIOGENIC CARBONIZED MATERIALS AND A PREPARATION METHOD THEREOF	2026/01/27
2026/01119	AN EMERGENCY NOTIFICATION DEVICE	2026/01/28
2026/01134	HIGH-SEALABILITY MODIFIED RUBBER COMPOSITION AND SEPTUM PREPARED USING SAME	2026/01/28
2026/01148	PORTABLE DATA ACQUISITION TERMINAL FOR DIGITAL AND INTELLIGENT TEACHING OF RURAL INDUSTRIES	2026/01/28
2026/01194	INTELLIGENT MUSICAL KEYBOARD MODULE	2026/01/29
2026/01236	A VIRTUAL SIMULATION SYSTEM AND METHOD FOR MEDICAL ULTRASOUND OPERATION TRAINING	2026/01/30
2026/01237	STRETCHING AUXILIARY DEVICE FOR SPORTS	2026/01/30
2026/01241	SHARPS SAFETY	2026/01/30
2026/01244	LOW-PROTEIN TYPE RED DATE-CITRUS PEEL-ASTRAGALUS COMPOUND FEED AND ITS APPLICATION	2026/01/30
2026/01259	CONDITIONAL PAYMENT, BONUS AND BIDDING SYSTEM CROSS-REFERENCE TO RELATED APPLICATIONS	2026/01/30
2026/01281	USE OF POLIDOCANOL IN PREPARATION OF DRUG FOR TREATING AXILLARY OSMIDROSIS BY MEANS OF DIFFUSE GRID SUBCUTANEOUS MULTI-POINT CONTINUOUS INJECTION ADMINISTRATION	2026/01/30
2026/01282	CATALYTIC CRACKING CATALYST, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2026/01/30
2026/01320	DEFOAMER COMPOSITION FOR USE IN VARNISH SYSTEM AND PREPARATION METHOD THEREOF	2026/02/02
2026/01321	VOLLEYBALL STORAGE DEVICE FOR VOLLEYBALL TRAINING	2026/02/02

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2026/01325	PHASE-CHANGE THERMAL STORAGE HEAT EXCHANGER AND HEAT EXCHANGER TEST BENCH	2026/02/02
2026/01326	LOSSLESS ABNORMAL BEHAVIOR IDENTIFICATION METHOD FOR ENCRYPTED TRAFFIC	2026/02/02
2026/01327	ABNORMAL TRAFFIC DETECTION METHOD AND SYSTEM BASED ON ADAPTIVE LEARNING AND MULTIMODAL BEHAVIOR ANALYSIS	2026/02/02
2026/01328	MINERALISATION LOCATION PREDICTION METHOD BASED ON INTEGRATION OF MULTI-DIMENSIONAL GEOLOGICAL DATA AND EXPLORATION DETECTION	2026/02/02
2026/01329	A COTTON HARVESTING ROVER DEVICE	2026/02/02
2026/01330	A LASER-BASED AUTOMATED NAIL CUTTING DEVICE	2026/02/02
2026/01331	PORTABLE CEMENT MIXER WITH HORIZONTAL ROTATING BLADE SYSTEM	2026/02/02
2026/01332	NANO PCM HEAT WARMER	2026/02/02
2026/01333	POSTURE ALERT SYSTEM	2026/02/02
2026/01334	ROAD HAZARD DETECTION AND ALERT SYSTEM	2026/02/02
2026/01335	AN ADAPTIVE PRIVACY CONTROL SYSTEM	2026/02/02
2026/01336	A WEARABLE WATCH PROJECTOR FOR REMOTE NON-LITERATE EDUCATION ACCESS	2026/02/02
2026/01337	A SMART NOTEBOOK	2026/02/02
2026/01338	HANDS-FREE LAVATORY SEAT HOOP	2026/02/02
2026/01339	EMERGENCY AUDIO MUTE SYSTEM IN VEHICLES	2026/02/02
2026/01340	PORTABLE FOOTWEAR CLEANING SYSTEM	2026/02/02
2026/01341	AN INTELLIGENT NON-CONTACT BRAKING AND ACCELERATION SYSTEM USING REVERSIBLE ELECTROMAGNETIC FIELDS AND SENSOR-BASED AI CONTROL	2026/02/02
2026/01342	SMART DYNAMIC SUCTION VACUUM MAT	2026/02/02
2026/01343	AI-POWERED FIBER OPTIC STRUCTURAL HEALTH MONITORING SYSTEM FOR BRIDGES	2026/02/02
2026/01344	HAND RAIL CLEANER	2026/02/02
2026/01345	SMART TROLLY SYSTEM	2026/02/02
2026/01346	AN AQUA ROVER DRONE SYSTEM	2026/02/02

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2026/01347	AN AI-BASED DRUG SAFETY PREDICTION SYSTEM USING ANIMAL DNA AND BIOLOGICAL DATA	2026/02/02
2026/01348	WOUND HEALER	2026/02/02
2026/01391	CRACK SEALING ROBOT FOR INTERIOR WALL OF TUNNEL	2026/02/03
2026/01392	AUTOMATIC PESTICIDE SPRAYING DEVICE WITH ADJUSTABLE ATOMIZATION FOR ORCHARDS	2026/02/03
2026/01393	INTELLIGENT GUIDANCE SYSTEM FOR PARKING AND RETRIEVAL IN LARGE PARKING LOT BASED ON A-STAR ALGORITHM	2026/02/03
2026/01395	A WIDE-DEPTH DOUBLE-ADJUSTMENT RIDGING DEVICE FOR POTATO PLANTING	2026/02/03
2026/01396	INTELLIGENT AUTOMATIC SCREENING AND COLLECTION DEVICE FOR PLASTIC BAGS IN WET WASTE	2026/02/03
2026/01397	APPLICATION OF ISOEUGENOL IN THE PREPARATION OF INHIBITORS FOR PREVENTING AND CONTROLLING PEAR FIRE BLIGHT DISEASE AND PREPARATION OF ISOEUGENOL	2026/02/03
2026/01399	VERTICAL SUGARCANE JUICE EXTRACTER SYSTEM	2026/02/03
2026/01400	AUTOMATIC KNOTTING SYSTEM FOR FLORAL GARLANDS	2026/02/03
2026/01401	AN ELEPHANT MUSTH DETECTION AND MONITORING DEVICE	2026/02/03
2026/01402	AUTOMATED ADJUSTABLE CHAIR	2026/02/03
2026/01403	AUTOMATIC RAIN RESPONSIVE WINDOW CLOSING SYSTEM IN BUS	2026/02/03
2026/01405	A PROCESS FOR BIOGENIC SYNTHESIS OF ZINC OXIDE NANOPARTICLES USING PENICILLIUM CITRINUM FOR INSECTICIDAL APPLICATIONS AGAINST SPODOPTERA LITURA	2026/02/03
2026/01406	AN AUTONOMOUS CORAL RESTORATION DRONE SYSTEM	2026/02/03
2026/01407	NEURO-LIGHT SMART FOUNDATION SYSTEM	2026/02/03
2026/01408	SELF SERVICE PRINTING MACHINE	2026/02/03
2026/01409	BOOK WRAPPING MACHINE	2026/02/03
2026/01410	AI ORAL READING PEN SPELLING MISTAKE DETECTOR SYSTEM	2026/02/03
2026/01411	ICE APPLE PULP EXTRACTOR	2026/02/03
2026/01412	AI-BASED BEEHIVE MONITORING AND DIAGNOSTIC SYSTEM	2026/02/03

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2026/01413	RAILWAY ACCIDENT DETECTION SYSTEM	2026/02/03
2026/01414	A DISTRIBUTED AGENTIC ARTIFICIAL INTELLIGENCE SYSTEM FOR ADAPTIVE TASK MANAGEMENT	2026/02/03
2026/01415	A PROCESS FOR GREEN SYNTHESIS OF EUROPIUM-DOPED CADMIUM SULFIDE (CDS:EU) NANOCRYSTALLINE THIN FILMS	2026/02/03
2026/01416	METHOD FOR PREPARING A FLOWER STIMULANT SOLUTION FOR INCREASING THE AGRICULTURAL CROP YIELD, AND COMPOSITION FOR THE SAME	2026/02/03
2026/01417	A NAPKIN DISSOLUTION SYSTEM	2026/02/03
2026/01418	AN EXTEND LOAD TRAY SYSTEM	2026/02/03
2026/01420	METHOD AND DEVICE FOR PREDICTING BULL SEMEN QUALITY	2026/02/03
2026/01421	GRINDING PATH PLANNING METHOD BASED ON CURVATURE PERCEPTION AND TOOL POSTURE COLLABORATIVE OPTIMIZATION	2026/02/03
2026/01427	DEVICE FOR ELECTROCUTING A RODENT	2026/02/03
2026/01441	A ANTI-BLOCKING ROTARY TILLAGE DEVICE FOR SIMULTANEOUS APPLICATION OF WATER AND FERTILIZER IN SWEET POTATO PLANTING	2026/02/04
2026/01443	ENERGY-ABSORBING BOX BASED ON NEGATIVE POISSON'S RATIO STRUCTURE AND DESIGN METHOD THEREOF	2026/02/04
2026/01444	HIGH-EFFICIENCY ELECTRIC ENERGY CYCLIC CONVERSION AND UTILIZATION APPARATUS	2026/02/04
2026/01445	TISSUE CULTURE RAPID PROPAGATION MEDIUM AND PROPAGATION METHOD FOR APPLE REPLANT DISEASE-RESISTANT DWARF ROOTSTOCK G41	2026/02/04
2026/01446	DEEP SEPARATION METHOD OF COPPER-ZINC MIXED ORE	2026/02/04
2026/01447	SIMULATION TEST SYSTEM AND TEST METHOD FOR EXCAVATION AND SUPPORT OF FREEZE-SEALED UNDERGROUND NON-UNIFORM THICKNESS FROZEN SOIL	2026/02/04
2026/01448	RHIZOMA DIOSCOREAE ENZYME LIQUID AND PREPARATION METHOD THEREFOR	2026/02/04

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2026/01449	IOT OPERATION AND MAINTENANCE HANDHELD TERMINAL TEACHING SYSTEM INTEGRATING MULTIPLE SENSORS	2026/02/04
2026/01453	SAND DRY SPRAY	2026/02/04
2026/01454	FASHION SMART BELT	2026/02/04
2026/01455	DYNAMIC CLOTHING TAGS	2026/02/04
2026/01456	TRADITIONAL TILE MAKING MACHINE	2026/02/04
2026/01457	CARBON CAPTURER	2026/02/04
2026/01458	AUTOMATIC CURRENCY EXCHANGE ATM MACHINE	2026/02/04
2026/01459	FLOOR CLEANING MACHINE	2026/02/04
2026/01460	SMART FRACTURE HEALER MONITORING FLEXIBLE ANTENNA	2026/02/04
2026/01461	SPREADABLE SUBSTANCE DISPENSER	2026/02/04
2026/01462	SMART SIM EJECTOR SYSTEM	2026/02/04
2026/01463	AUTOMATIC JASMINE FLOWER TYING MACHINE	2026/02/04
2026/01464	SEMI-AUTOMATED COCONUT TREE CLIMBING AND CUTTING MACHINE	2026/02/04
2026/01465	RAIN PROTECTIVE CRICKET PITCH COVERING SYSTEM	2026/02/04
2026/01466	VEIN SPOTTING AID FOR SYRINGES	2026/02/04
2026/01467	SMART LICE KILLING COMB	2026/02/04
2026/01468	REMUL TRAVELLER	2026/02/04
2026/01469	DIGITAL PEN GRIP WITH WRITING POSTURE FEEDBACK	2026/02/04
2026/01470	FISH GILLS CLEANING MACHINE	2026/02/04
2026/01471	DROPCUP – A RETRACTABLE PRECISION EYE DROP DISPENSER	2026/02/04
2026/01472	POSTER PASTING MACHINE	2026/02/04
2026/01473	SMART BASKET FOR IDENTIFICATION OF ORGANIC AND INORGANIC FRUITS	2026/02/04
2026/01474	SMART TOOTH SENSOR STICKER	2026/02/04
2026/01475	FOOT SIZE CALCULATING MAT	2026/02/04
2026/01476	3D PRINTING MACHINE NOZZLE CLEANER	2026/02/04
2026/01477	BANANA FLOWER FLORET EXTRACTOR	2026/02/04
2026/01478	SKIN INTERACTION ANALYZER FOR COSMETIC SAFETY AND AUTHENTICATION	2026/02/04
2026/01479	MOTORCYCLE HELMET MASSAGE	2026/02/04
2026/01480	HYDRAULIC POWERED SOLAR PANEL MOUNTING MACHINE	2026/02/04
2026/01483	SMART CHOPPER BOARD WITH AI HYGIENE DETECTOR	2026/02/04
2026/01484	SMART WEARABLE WRIST MOUSE	2026/02/04

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2026/01485	COPPER INSULATION STAPLER	2026/02/04
2026/01486	WATER PURIFICATION USING SYNTHESIZED JAVA WOOD COMPOUNDS	2026/02/04
2026/01487	HYBRID INDUCTION STOVE	2026/02/04
2026/01488	ROTARY INDEXING JOB HOLDER FOR MILLING MACHINE WITH ANGULAR LOCKING MECHANISM	2026/02/04
2026/01489	INTEGRATED TRUCK CONVEYOR SYSTEM	2026/02/04
2026/01490	PULSES AND CEREALS DUST CLEANER	2026/02/04
2026/01492	AN INTELLIGENT CANE WITH TWO ULTRASONIC SENSORS FOR DETECTION OF BOTH LOW-LEVEL AND HIGH-LEVEL OBSTACLES	2026/02/04
2026/01493	FUZZY LOGIC ONLINE INTELLIGENT ASSESSMENT METHOD FOR ASSISTING RISK OF STROKE-RELATED PNEUMONIA	2026/02/04
2026/01500	CAN LID	2026/02/04
2026/01525	NOVEL DIGITAL TEXTBOOK DYNAMIC UPDATE AND PERSONALIZATION ADAPTATION SYSTEM	2026/02/05
2026/01528	FENCE PANEL WITH HIGH HARDNESS CAGE STRUCTURE	2026/02/05
2026/01529	REAL-TIME SECURITY WARNING AND EVACUATION GUIDANCE SYSTEM FOR TOURISM DESTINATIONS BASED ON DIGITAL TWIN AND EDGE COMPUTING	2026/02/05
2026/01530	MATHEMATICAL PROBABILITY STATISTICS DEMONSTRATION APPARATUS	2026/02/05
2026/01531	EDUCATIONAL MATHEMATICAL TOOL FOR PROBABILITY AND STATISTICS TRAINING	2026/02/05
2026/01532	OPTICAL FIBER TYPE TEMPERATURE SELF-COMPENSATING STATIC CONE PENETRATION STRESS SENSOR	2026/02/05
2026/01537	MAGNESIUM CARBONATE CRYSTAL WITH HIERARCHICAL POROUS STRUCTURE AND PREPARATION METHOD THEREOF	2026/02/05
2026/01538	VALVE CONTROL PANEL	2026/02/05
2026/01539	SYSTEM FOR AND METHOD OF GENERATING MANAGEMENT REPORTS FROM MULTIPLE DATA SOURCES	2026/02/05

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2026/01540	AN AI-POWERED MULTI-SPORT SYSTEM FOR ATHLETE SCOUTING, INJURY PREDICTION, FAIR SCORING, AND TRAINING RECOMMENDATION	2026/02/05
2026/01541	AN ADVANCED HAPTIC FEEDBACK SYSTEM FOR ENHANCED VIRTUAL OBJECT MANIPULATION IN IMMERSIVE VIRTUAL REALITY ENVIRONMENTS	2026/02/05
2026/01542	A BLOCKCHAIN-BASED SYSTEM FOR TOKENIZING INTELLECTUAL PROPERTY (IP) ASSETS	2026/02/05
2026/01543	AN AI/ML BASED WAREHOUSE OPERATIONS OPTIMIZATION SYSTEM FOR DEMAND PREDICTION AND INVENTORY ACCURACY	2026/02/05
2026/01544	AN IOT-ENABLED AUTOMATIC FAN SPEED REGULATION SYSTEM	2026/02/05
2026/01545	AN AI POWERED SYSTEM FOR VEHICLE DAMAGE ASSESSMENT, COST ESTIMATION AND GARAGE IDENTIFICATIONS	2026/02/05
2026/01546	AN AI-INTEGRATED ADMINISTRATIVE AND LEARNING MANAGEMENT SYSTEM FOR ENHANCING STUDENT ENGAGEMENT AND EXPEDITE ADMINISTRATIVE TASKS	2026/02/05
2026/01547	HYBRID MACHINE TRANSLATION SYSTEM AND METHOD THEREOF	2026/02/05
2026/01548	AN IOT-BASED HOME AUTOMATION SYSTEM	2026/02/05
2026/01549	A REAL-TIME COGNITIVE SECURITY DEVICE USING A MULTI-MODAL HARDWARE CO-PROCESSOR	2026/02/05
2026/01550	A POSTURE DETECTION AND ALERT SYSTEM	2026/02/05
2026/01551	A GPS-ENABLED PUBLIC BUS TRACKING SYSTEM WITH ETA PREDICTION	2026/02/05
2026/01552	A DYNAMIC, LOCATION-AWARE E-TOKEN NOTIFICATION SYSTEM FOR REDUCING PUBLIC SERVICE WAITING TIMES	2026/02/05
2026/01553	MODULAR AND EASY-TO-DISASSEMBLE RECYCLABLE LITHIUM BATTERY FOR NEW ENERGY VEHICLES AND ITS IMPLEMENTATION METHOD	2026/02/05
2026/01556	TEMPERATURE COMPENSATION METHOD AND DEVICE FOR	2026/02/05

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	VIBRATING WIRE CRACK GAUGE APPLIED TO CRACK DETECTION	
2026/01589	MUNICIPAL ROAD DRAINAGE PIPE FILTER SCREEN	2026/02/05
2026/01590	MULTI-SOURCE ERROR DECOUPLING AND SUPPRESSION METHOD FOR AUTOMATIC ASSEMBLY OF A PROJECTILE FUZE	2026/02/05
2026/01591	SPORTS INJURY REHABILITATION AUXILIARY DEVICE	2026/02/05
2026/01592	BOOK TRANSPORT DEVICE FOR LIBRARIES	2026/02/05
2026/01593	APPLICATION OF WHEAT TAU2AF65 GENE IN REGULATING WHEAT SPIKELET NUMBER	2026/02/06
2026/01594	ROCK MASS INTERNAL DEFORMATION MONITORING DEVICE BASED ON ROCK BOLT	2026/02/06
2026/01595	METHOD FOR EXTRACTING SCANDIUM FROM ORE	2026/02/06
2026/01596	INTEGRATED EQUIPMENT AND METHODOLOGY FOR CONCURRENT PERMEABILITY MONITORING DURING GROUT INJECTION INTO EXCAVATION-DISTURBED FRACTURED ROCK MASS	2026/02/06
2026/01597	DEVICE AND METHOD FOR ENERGY UNDERGROUND DIAPHRAGM WALL MODEL TEST	2026/02/06
2026/01598	A METHOD FOR MULTI-SOURCE KNOWLEDGE RETRIEVAL FUSION AND CONFIDENCE ASSESSMENT FOR SPECIALIZED DOMAINS	2026/02/06
2026/01600	VIEW-FINDING DEVICE FOR ART AND DESIGN TEACHING	2026/02/06
2026/01601	BENEFICIATION METHOD FOR COPPER-SULFUR ORE CONTAINING PYRRHOTITE AND PYRITE	2026/02/06
2026/01602	METHOD FOR PREPARING NEGATIVE ELECTRODE SLURRY, NEGATIVE ELECTRODE SLURRY, NEGATIVE ELECTRODE SHEET AND LITHIUM BATTERY	2026/02/06
2026/01603	ANTI-VIBRATION INDUSTRIAL SWITCH	2026/02/06
2026/01604	HEAT-DISSIPATING INDUSTRIAL SWITCH	2026/02/06
2026/01606	A DEEP LEARNING-BASED SYSTEM FOR PSORIASIS DETECTION AND SEVERITY ASSESSMENT USING SKIN IMAGES	2026/02/06

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2026/01607	AN AI-BASED CROSS-DEVICE WEB LAYOUT REFORMATTING SYSTEM BASED ON ENVIRONMENT AND ACCESSIBILITY FACTORS	2026/02/06
2026/01608	AN EMOTION DRIVEN AROMA DISPENSER USING FACIAL EXPRESSION RECOGNITION	2026/02/06
2026/01609	A BRAINWAVE-SYNCHRONIZED AI SYSTEM FOR CONTEXT-AWARE CREATIVE ASSISTANCE	2026/02/06
2026/01614	A METHOD AND SYSTEM FOR RECONSTRUCTING URBAN RIVER COURSE ECOSYSTEM, BASED ON TAIL WATER OF SEWAGE TREATMENT PLANTS	2026/02/06
2026/01650	PREPARATION METHOD FOR CLOSED FOAM CERAMICS BASED ON CERAMIC SOLID WASTE	2026/02/09
2026/01651	DIGITAL MEDIA ANIMATION DEMONSTRATION DEVICE	2026/02/09
2026/01652	APPLICATION OF WHEAT TAFLP GENE IN INCREASING WHEAT SPIKELET NUMBER	2026/02/09
2026/01654	CARBON ACCOUNTING LEDGER DATA COLLATION AND ARCHIVING DEVICE	2026/02/09
2026/01656	PROBABILITY AND STATISTICS DEVICE FOR APPLIED MATHEMATICS	2026/02/09
2026/01658	SOLIDIFICATION METHOD FOR SOLID WASTE	2026/02/09
2026/01661	AGE-FRIENDLY PEDESTRIAN CROSSING PROJECTION MARKING DEVICE	2026/02/09
2026/01662	AGE-FRIENDLY GUIDANCE SYSTEM FOR PUBLIC TRANSPORTATION PLATFORMS	2026/02/09
2026/01663	AN INTELLIGENT GUIDANCE SYSTEM FOR ELDERLY TOURISTS IN SCENIC AREAS	2026/02/09
2026/01665	A BATTERY PACK FIRE SIMULATION TEST DEVICE	2026/02/09
2026/01666	SHEBAIJIEPU MODIFIED PILL FOR TREATING INFERTILITY CAUSED BY OVARIAN DYSFUNCTION	2026/02/09
2026/01667	APPLICATION OF WHEAT TASNRKALPHA1 GENE IN REGULATING WHEAT POLLEN FERTILITY	2026/02/09
2026/01668	AUTOMATED BIODYNAMIC FERMENTATION TANK	2026/02/09

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2026/01669	PROCESS FOR EXTRACTING TOTAL FLAVONOIDS FROM THE TUBEROUS ROOTS OF ARGENTINA ANSERINA (L.)	2026/02/09
2026/01675	ROOT OF TRUST SYSTEM FOR GLOBAL DATA RIGHT CONFIRMATION AND AUTHORIZATION AND METHOD FOR GLOBAL DATA RIGHT CONFIRMATION AND AUTHORIZATION	2026/02/09
2026/01679	ARCHED TUNNEL STRUCTURE AND ARCHED TUNNEL CONSTRUCTION METHOD	2026/02/09
2026/01685	NEW INTELLIGENT HOLE INSPECTION DEVICE AND METHOD FOR MEDIUM-LENGTH HOLE BLASTING	2026/02/09
2026/01711	ENDOSCOPIC HELICOBACTER PYLORI VITAL STAINING DIAGNOSTIC SOLUTION, PREPARATION METHOD AND USE	2026/02/10
2026/01712	METHOD FOR RECYCLING VALUABLE METALS FROM CATHODE MATERIALS OF WASTE LITHIUM BATTERIES	2026/02/10
2026/01713	METHOD FOR PREPARING SILICON NANOSHEETS BY ELECTROCHEMISTRY BASED ON GRADIENTLY INCREASED TEMPERATURE AND CURRENT	2026/02/10
2026/01715	METHOD FOR PREPARING SILICON NANOTUBE BY MICROPLASMA-ASSISTED MOLTEN-SALT ELECTROCHEMISTRY	2026/02/10
2026/01716	METHOD FOR PREPARING SILICON NANOWIRE FOR NEGATIVE ELECTRODE OF LITHIUM BATTERY	2026/02/10
2026/01717	HIGH-SPEED PRECISION GEAR TRANSMISSION DEVICE FOR HOUSEHOLD STEAM CLEANING APPLIANCES	2026/02/10
2026/01718	SWELLING TANK FOR THE PRODUCTION OF ANTI-AGING SBS MODIFIED ASPHALT	2026/02/10
2026/01719	LIGATION CLIP	2026/02/10
2026/01724	METHOD AND SYSTEM FOR MULTIMODAL REMOTE SENSING IMAGE REGISTRATION INTEGRATING MUTUAL INFORMATION AND INTENSITY DIFFERENCE	2026/02/10

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2026/01725	SPOILER MEMBER, FLUIDIZED BED REACTOR PROVIDED WITH SPOILER MEMBER, AND USE THEREOF	2026/02/10
2026/01726	CIRCULATING FLUIDIZED BED REACTOR AND USE THEREOF	2026/02/10
2026/01727	CIRCULATING FLUIDIZED BED REACTOR PROVIDED WITH SOLID DISTRIBUTION MEMBER AND APPLICATION THEREOF	2026/02/10
2026/01755	SMART HEALTH MONITORING DEVICE FOR PUBLIC HEALTH IN ELDERLY COMMUNITIES	2026/02/11
2026/01756	METHOD AND SYSTEM FOR MANAGING CONSERVATION DATA OF ANCIENT AND FAMOUS TREES BASED ON MULTI-SOURCE DATA FUSION	2026/02/11
2026/01757	NOVEL ECONOMICAL AND ENVIRONMENTALLY FRIENDLY SPODUMENE BENEFICIATION METHOD	2026/02/11
2026/01758	ELASTIC PROTECTIVE MAT FOR VOLLEYBALL TRAINING	2026/02/11
2026/01759	CLINICAL PHARMACY MEDICATION DISPENSING DEVICE	2026/02/11
2026/01761	METHOD FOR MIXED CULTIVATION OF EUCALYPTUS AND FAST-GROWING ACACIA	2026/02/11
2026/01762	INTELLIGENT ADJUSTMENT SYSTEM FOR VOLLEYBALL NET POSTS	2026/02/11
2026/01763	REAL-TIME TRANSMISSION AND ANALYSIS SYSTEM FOR VOLLEYBALL TRAINING DATA	2026/02/11
2026/01765	PREFABRICATED CONCRETE SEISMIC DAMPING FRAME STRUCTURE	2026/02/11
2026/01766	COMPREHENSIVE TEST BENCH FOR GEAR FATIGUE LIFE	2026/02/11
2026/01767	A PREDICTIVE MODEL FOR CHARACTERIZING THE RELATIONSHIP BETWEEN MAGNETIC BARKHAUSEN NOISE SIGNATURES AND STRESS	2026/02/11
2026/01769	METHOD FOR PREDICTING PASSENGER FLOW AT EXPRESSWAY SERVICE AREAS BASED ON ARIMA-BP	2026/02/11
2026/01770	PORTABLE CONSTANT TEMPERATURE SEMEN TRANSPORT DEVICE	2026/02/11
2026/01771	BPNN-BASED AIR CONDITIONING OPERATION ENERGY	2026/02/11

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	CONSUMPTION PREDICTION METHOD AND SYSTEM	
2026/01772	TEACHING ASSISTANCE TERMINAL FOR ENGLISH TEACHING	2026/02/11
2026/01773	INTELLIGENT FOOTBALL TRAINING SYSTEM BASED ON MULTIMODAL ANALYSIS	2026/02/11
2026/01775	WIND-DRIVEN LOCUST PHYSICAL BARRIER AND COLLECTION DEVICE SUITABLE FOR GRASSLAND TERRAIN	2026/02/11
2026/01776	AIR SAMPLING-BASED DEVICE FOR BROAD-SPECTRUM COLLECTION AND MONITORING OF EDNA FROM LOCUST HABITATS	2026/02/11
2026/01780	A SMART BRACELET WITH BOTH HYPOGLYCEMIA PREDICTION AND EMERGENCY RESCUE FUNCTION	2026/02/11
2026/01781	A RESTRAINT DEVICE FOR NEUROLOGY NURSING	2026/02/11
2026/01810	AUTOMATIC BADMINTON SERVING DEVICE	2026/02/12
2026/01813	RISK PREDICTION SYSTEM FOR DIAPHRAGMATIC DYSFUNCTION IN SEPSIS BASED ON INFLAMMATION AND NUTRITION RATIOS	2026/02/12
2026/01814	AN IOT-BASED SOIL MOISTURE MONITORING AND AUTOMATIC IRRIGATION CONTROL SYSTEM	2026/02/12
2026/01815	AN IOT-BASED MULTI-MODE TAMPER DETECTION SYSTEM FOR DIGITAL WEIGHING INSTRUMENTS	2026/02/12
2026/01816	METHOD FOR INTONATION TRANSFER IN SPEECH TRANSLATION INTEGRATING SPEECH EMOTION RECOGNITION AND SYSTEM	2026/02/12
2026/01817	AN IOT-POWERED PARKING SYSTEM WITH AUTONOMOUS VEHICLE SLOT NAVIGATION USING LIDAR	2026/02/12
2026/01818	AN IOT-BASED WORKSTATION MONITORING SYSTEM FOR ENHANCING SAFETY AND PRODUCTIVITY IN INDUSTRIAL ENVIRONMENTS	2026/02/12
2026/01824	ON/OFF CURRENT DETECTION CIRCUIT FOR ELECTRIC TOOL	2026/02/12
2026/01852	AN AI-BASED POWER THEFT DETECTION AND ANOMALY MONITORING SYSTEM USING ESP32 AND MACHINE LEARNING	2026/02/13

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2026/01853	AN ADAPTIVE MULTI-MODAL BIOMETRIC HEALTH MONITORING SYSTEM WITH PREDICTIVE DEGRADATION DETECTION	2026/02/13
2026/01854	A LOW-COST MULTI-SENSOR DIGITAL TWIN SYSTEM FOR REAL-TIME CONDITION MONITORING IN IIOT	2026/02/13
2026/01855	A MULTI-MODAL TAMPERING DETECTION SYSTEM FOR SMART ENERGY METERS	2026/02/13
2026/01857	NICKEL-BASED CRYOGENIC STEEL WITH HIGH CRACK-ARREST PROPERTY IN -165°C LOW-TEMPERATURE ENVIRONMENT AND MANUFACTURING METHOD FOR THE SAME	2026/02/13
2026/01860	A POSITIONING CLAMPING DEVICE FOR GEARBOX HOUSING MACHINING	2026/02/13
2026/01863	ANTI-PD-1/CTLA-4/VEGF ANTIBODIES AND USE THEREOF	2026/02/13
2026/01899	COAXIAL DRIVE SYSTEM WITH DUAL WHEEL-SIDE MOTORS FOR LEFT AND RIGHT WHEELS OF BATTERY ELECTRIC VEHICLE	2026/02/16
2026/01903	A RASPBERRY PI ENABLED SMART SYSTEM FOR MONITORING EXCESSIVE SOUND LEVELS IN DECIBELS	2026/02/16
2026/01904	AN RFID AND RASPBERRY PI PICO BASED TROLLEY FOR AUTOMATED BILLING AND FOOD NUTRITION DISPLAY	2026/02/16
2026/01905	A FACE RECOGNITION-BASED SMART HOME AUTOMATION SYSTEM USING RASPBERRY PI	2026/02/16
2026/01906	AN IOT-BASED EMS WORKSTATION SAFETY AND PRODUCTIVITY MONITORING SYSTEM	2026/02/16
2026/01907	AN IOT-ENABLED HYBRID ADAPTIVE IRRIGATION SYSTEM	2026/02/16
2026/01908	A FAULT DETECTION AND AUTOMATIC ISOLATION SYSTEM FOR LT POWER LINES	2026/02/16
2026/01940	A SMART WEARABLE COMMUNICATION DEVICE FOR BEDRIDDEN AND PARALYZED PATIENTS	2026/02/17
2026/01941	A MONITORING SYSTEM FOR AUTOMATED PEST DETECTION AND WATER LEVEL MANAGEMENT	2026/02/17

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2026/01942	AN IOT-BASED ENERGY METER FOR ELECTRICAL THEFT DETECTION AND ENSURE SAFETY OF INDIVIDUALS AND ELECTRICAL APPLIANCES	2026/02/17
2026/01943	A WEARABLE HEALTH AND SAFETY MONITORING SYSTEMS FOR FALL DETECTION AND EMERGENCY ALERT FUNCTIONALITY	2026/02/17
2026/01944	A RASPBERRY PI-POWERED IOT SYSTEM FOR COMPUTING IN REAL-TIME ENVIRONMENTAL MONITORING	2026/02/17
2026/01946	MRNA PHARMACEUTICAL COMPOSITION FOR PREVENTION AND TREATMENT OF TUBERCULOSIS AND USE THEREOF	2026/02/17
2026/01947	MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF	2026/02/17
2026/01976	A LAWNMOWER ROBOT WITH EASILY REPLACEABLE BLADES	2026/02/18
2026/01978	FLOW CONDITIONER	2026/02/18
2026/01979	A MACHINE LEARNING BASED SYSTEM FOR POSTPARTUM DEPRESSION RISK DETECTION AND PREVENTIVE CARE	2026/02/18
2026/01980	AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR MULTI-CLASS SKIN DISEASE DETECTION AND ASSISTANCE	2026/02/18
2026/01981	AN AUTOMATED LOAN APPROVAL SYSTEM USING PREDICTIVE MACHINE LEARNING AND ADAPTIVE RISK ASSESSMENT FRAMEWORK	2026/02/18
2026/01982	METHOD FOR ENSURING CONTEXTUAL CONSISTENCY BETWEEN LONG DOCUMENT TRANSLATION AND REAL-TIME DIALOGUE TRANSLATION	2026/02/18
2026/01983	METHOD FOR OPERATING DYNAMIC-PRECISION NEURAL TRANSLATION MODEL FOR MOBILE DEVICE, AND SYSTEM	2026/02/18
2026/01984	METHOD AND SYSTEM FOR PERSONALIZED EMOTIONAL REPRODUCTION IN SPEECH TRANSLATION BASED ON VOICEPRINT RECOGNITION	2026/02/18
2026/01985	FENCE PANEL WITH HIGH HARDNESS CAGE STRUCTURE	2026/02/18

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2026/02023	AN NLP-BASED SYSTEM FOR PREPARATION AND ANALYSIS OF RENTAL AGREEMENTS	2026/02/19
2026/02024	AN IOT BASED SYSTEM FOR INTEGRATED HEALTH, SAFETY AND WELLNESS MONITORING IN SMART HOMES	2026/02/19
2026/02025	AN IOT-INTEGRATED ADJUSTABLE GLASSES WITH AUTOMATIC FOCUS CORRECTION	2026/02/19
2026/02026	A BLOCKCHAIN BASED SYSTEM FOR SECURE PACKAGE DELIVERY	2026/02/19
2026/02027	SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2026/02/19
2026/02029	SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2026/02/19
2026/02030	SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2026/02/19
2026/02031	SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2026/02/19
2026/02034	DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2026/02/19
2026/02035	DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS USING GRAPHICAL USER INTERFACE	2026/02/19
2026/02036	MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF	2026/02/19
2026/02111	ANTI-INFLAMMATORY, ANALGESIC AND ANTIPYRETIC SUPPOSITORY	2026/02/20
2026/02182	A CHINESE HERBAL ACUPOINT PATCH FOR PREVENTING SKIN INJURY AND ITS PREPARATION METHOD	2026/02/24
2026/02183	A TRADITIONAL CHINESE MEDICINE PATCH FOR EASY DRESSING CHANGE AND ITS PREPARATION METHOD	2026/02/24
2026/02184	A RIDER SAFETY SYSTEM USING IOT ENABLED HELMET AND VEHICLE-MOUNTED PAGER	2026/02/24
2026/02185	AN AI-ENABLED SYSTEM FOR REAL-TIME ECG MONITORING AND PREDICTIVE CARDIAC ANOMALY DETECTION	2026/02/24

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2026/02186	A FINGERPRINT AUTHENTICATION AND REMOTE CONTROL BASED SECURE IRRIGATION SYSTEM	2026/02/24
2026/02187	A MACHINE LEARNING AND IOT BASED DRIVER SAFETY AND DROWSINESS DETECTION SYSTEM	2026/02/24
2026/02234	HONEYCOMB SLEEVE ENERGY-ABSORBING ANCHOR BOLT AND SUPPORTING METHOD THEREOF	2026/02/25
2026/02235	METHOD FOR ENRICHING GOLD FROM GOLD ORE TAILINGS	2026/02/25
2026/02237	WATER RESOURCE DETECTION DEVICE AND METHOD BASED ON PROFILE SAMPLING	2026/02/25
2026/02238	METHOD AND SYSTEM FOR ANALYZING THE STABILITY OF HIGH SLOPES WITH ANTI-SLIDING PILES	2026/02/25
2026/02239	METHOD FOR MANUFACTURING EXHAUST FLUE PREVENTING GAS BACKFLOW	2026/02/25
2026/02245	MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF	2026/02/25
2026/02292	LUNG CAPACITY TRAINING DEVICE FOR REHABILITATION THERAPY	2026/02/26
2026/02293	RFID BASED CHILD PICKUP AND DROP-OFF MANAGEMENT SYSTEM	2026/02/26
2026/02294	PRESERVATION AND STORAGE DEVICE SUITABLE FOR FRESH CORN	2026/02/26
2026/02295	POLYMER DISSOLUTION PACKED BED, POLYMER DISSOLUTION SYSTEM, AND POLYMER DISSOLUTION METHOD	2026/02/26
2026/02298	MICROBIAL MINERALIZATION MODIFIED RECYCLED AGGREGATE, AND ITS PREPARATION METHOD AND USE	2026/02/26
2026/02303	INTEGRATED METHOD FOR IMPROVING THE EXPLORATION EFFICIENCY OF PORPHYRY COPPER DEPOSITS	2026/02/26
2026/02304	STEAM CLEANING MACHINE	2026/02/26
2026/02305	OPTIC-ELECTRIC SENSING METHOD AND SYSTEM FOR EVOLUTION OF OVERBURDEN FRACTURES INDUCED BY DEEP COAL SEAM MINING	2026/02/26

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2026/02309	SINGLE-DOMAIN ANTIBODY SPECIFICALLY BINDING TO CDCP1 AND USE THEREOF	2026/02/26
2026/02354	CLIP FOR ELONGATED MEDICAL INSTRUMENTS	2026/02/27
2026/02409	A NOVEL NANOCOMPOSITE COATING FOR CORROSION-RESISTANT AND SELF-HEALING METALLIC STRUCTURES	2026/03/02
2026/02410	A HARDWARE-INTEGRATED DYNAMIC FINANCIAL FORECASTING SYSTEM IMPLEMENTING STATE SPACE MODELING	2026/03/02
2026/02411	RECONFIGURABLE ANTENNA SYSTEM WITH AI-DRIVEN BEAM STEERING FOR 6G WIRELESS COMMUNICATION	2026/03/02
2026/02412	IN-SITU SOIL RECONSTRUCTION AND IMPROVEMENT METHOD SUITABLE FOR OPEN-PIT GRASSLAND MINING AREAS	2026/03/02
2026/02413	RAPID VEGETATION ESTABLISMENT METHOD SUITABLE FOR OPEN-PIT GRASSLAND MINING AREAS	2026/03/02
2026/02414	DUAL-STAGE BIO-CHEMICAL DOSING AND MECHANICAL FILTRATION SYSTEM FOR WASTEWATER TREATMENT	2026/03/02
2026/02496	SIDELINK FEEDBACK INFORMATION	2026/03/04
2026/02528	CINNAMON TWIG DECOCTION CHINESE MEDICINAL PREPARATION AND LIPID-LOWERING USE THEREOF	2026/03/05
2026/02529	APPLICATION OF PEPPER PREPARATION IN REGULATING LIPID METABOLISM OF ORGANISM	2026/03/05
2026/02531	METHOD FOR MAKING BREAD WITH ADDED SOYBEAN OLEOSOMES AND BROWN RICE FERMENT	2026/03/05
2026/02533	PREPARATION METHOD OF BULK-TYPE INTELLIGENT TEMPERATURE-REGULATING PHASE CHANGE FIBER	2026/03/05
2026/02536	A MOUNTING BRACKET FOR AN ENERGY-SAVING DEVICE	2026/03/05
2026/02580	INTEGRATED METHOD FOR ENHANCING EXPLORATION EFFICIENCY OF SKARN / PORPHYRY CONCEALED ORE DEPOSITS	2026/03/06
2026/02880	REUSABLE MULTI-DOSE, VARIABLE DOSE, SINGLE PEN INJECTOR FOR TYPE 2 DIABETES AND WEIGHT MANAGEMENT	2026/03/13

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2026/03450	DEVICE, INSTALLATION AND METHOD FOR DETECTING SURFACE LANDSLIDE PHENOMENA IN VINEYARDS	2026/03/27
2026/04257	QUALITY ASSURANCE SYSTEMS BASED ON SPEAKER INTENT DETECTION	2026/04/20
2026/04594	3D PARTICLE IMAGING IN PHARMACEUTICAL CONTAINERS	2026/04/29
2026/05298	ENHANCED STABILITY GASKET AND COUPLING	2026/05/15
2026/05299	ENHANCED STABILITY GASKET AND COUPLING	2026/05/15
2026/06243	CONTAINER AND FRENCH PRESS AND METHODS ASSOCIATED THEREWITH	2026/06/11
2026/06863	ELASTIC NONWOVEN LAMINATE COMPRISING MACHINE DIRECTION ORIENTED FIBERS	2026/07/02
2026/07203	WASTE COLLECTION APPARATUS FOR JELLY CANDY PRODUCTION	2026/07/14
2026/07246	BARIUM MAGNESIUM SILICATES AND ORTHO-HYDROXYPHENYL TRIAZINE UV ABSORBERS IN A GREENHOUSE FILM	2026/07/15
2026/07247	BARIUM MAGNESIUM SILICATES AND 2-HYDROXYPHENYLBENZOTRIAZOLE UV ABSORBERS IN A GREENHOUSE FILM	2026/07/15
2026/07530	LANDING GEAR, UNMANNED AERIAL VEHICLE, AIRCRAFT, LANDING PAD SYSTEM, PERCH SYSTEM AND METHOD	2026/07/22
2026/08804	CARBON CAPTURE AND CARBON DIOXIDE PRODUCTION	2026/09/07
2026/08850	COLOR-COATED ALUMINUM PLATE WITH HIGH COATING ADHESION, WATERBORNE FLUOROCARBON PAINT AND FILM-FORMING AID	2026/09/08
2026/08934	COMPREHENSIVE ERP AND INTEGRATED COMPREHENSIVE ERP AND INTEGRATED HEALTHCARE ECOSYSTEM AND ASSOCIATED METHOD OF USE	2026/09/10
2026/08966	CROP CARBON FOOTPRINT ASSESSMENT METHOD AND SYSTEM THEREOF	2026/09/11
2026/09060	METHOD AND SYSTEM FOR ONLINE QUALITY REGULATION OF VALVE FITTINGS	2026/09/15

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2026/09160	HIGH-REFRACTIVE-INDEX GLASS MICROBEADS AND PREPARATION METHOD THEREFOR	2026/09/17
2026/09195	SILICON NITRIDE CERAMIC BALL AND PREPARATION METHOD THEREFOR	2026/09/18
2026/09197	THERMORESPONSIVE COMPOSITE BINDER SUITABLE FOR DRY PRESSING OF SILICON NITRIDE AND USE THEREOF	2026/09/18
2026/09234	AUTOMATED AND USER-FRIENDLY EXTRUDER FOR PRODUCING CABLES	2026/09/21
2026/09235	CRACK-RESISTANT AND COLD-RESISTANT POWER CABLE	2026/09/21
2026/09259	METHOD FOR DESIGNING OVERHEAD CABLE FOR OFFSHORE FIXED AND FLOATING PHOTOVOLTAICS	2026/09/22

DESIGNS

Advertisement List for October 2026

Number of Advertised Designs: 85

Application Number	Design Articles	Filing Date
A2025/00612	Wireless Remote Control	2025/05/27
A2025/00903	LOADERS	2025/07/29
A2025/01373	CHIGAGO PLAY TOY	2025/11/11
A2025/01494	CONTAINER	2025/12/09
A2025/01536	COFFIN / CASKET	2025/12/19
A2026/00005	Ultrasonic Scalpel Handle	2026/01/05
A2026/00006	Power Connection Cable for an Ultrasonic Scalpel Handle	2026/01/05
A2026/00011	VEHICLES	2026/01/09
A2026/00012	MODEL VEHICLES	2026/01/09
A2026/00032	TABLE	2026/01/15
A2026/00038	PUREWASH LIQUID DISHWASHING DETERGENT BOTTLE	2026/01/19
A2026/00040	Frame Element	2026/01/19
A2026/00041	Panel Section	2026/01/19
A2026/00042	Panel Section	2026/01/19
A2026/00044	Frame Element	2026/01/19
A2026/00045	AN OUTDOOR HEAD SHADE AND NECK REST	2026/01/19
A2026/00048	WASHING POWDER	2026/01/20

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A2026/00055	Jar	2026/01/23
A2026/00056	Label	2026/01/23
A2026/00062	WATCHES	2026/01/27
A2026/00063	WATCH MECHANISM PARTS	2026/01/27
A2026/00064	WATCH MECHANISMS	2026/01/27
A2026/00068	BUS	2026/01/29
A2026/00071	TYRES	2026/01/29
A2026/00072	TYRES	2026/01/29
A2026/00079	AUTOMOBILE	2026/01/30
A2026/00080	Case for an Electronic Device	2026/01/30
A2026/00081	Case for an Electronic Device	2026/01/30
A2026/00088	BOTTLES	2026/01/30
A2026/00099	CONVEYOR BELT FASTENER	2026/02/06
A2026/00102	CONVEYOR BELT FASTENER	2026/02/06
A2026/00106	CONVEYOR BELT FASTENER	2026/02/06
A2026/00117	ENERGY STORAGE CONTAINERS	2026/02/10
A2026/00118	CABLE STORAGE BRACKET	2026/02/10
A2026/00120	CABLE RETAINER	2026/02/10
A2026/00122	CABLE SLACK STORAGE ARRANGEMENT	2026/02/10
A2026/00185	DECORATIVE FORMAL BOUTONNIERE HOLDER	2026/02/25
A2026/00193	BOTTLE	2026/02/27
A2026/00194	ELECTRONIC CIGARETTE	2026/02/27
A2026/00195	ELECTRONIC CIGARETTE	2026/02/27
A2026/00196	ELECTRONIC CIGARETTE	2026/02/27
A2026/00197	ELECTRONIC CIGARETTE	2026/02/27
A2026/00198	ELECTRONIC CIGARETTE BASE PART	2026/02/27
A2026/00199	ELECTRONIC CIGARETTE	2026/02/27
A2026/00200	ELECTRONIC CIGARETTE BASE PART	2026/02/27
A2026/00201	ELECTRONIC CIGARETTE BASE PART	2026/02/27
A2026/00202	ELECTRONIC CIGARETTE BASE PART	2026/02/27
A2026/00213	DOWN-THE-HOLE DRILL BIT	2026/02/27
A2026/00216	DOWN-THE-HOLE DRILL BIT	2026/02/27
A2026/00311	GRAPHICAL USER INTERFACE	2026/03/20
A2026/00312	GRAPHICAL USER INTERFACE	2026/03/20
A2026/00313	GRAPHICAL USER INTERFACE	2026/03/20
A2026/00314	GRAPHICAL SYMBOL	2026/03/20
A2026/00315	GRAPHICAL USER INTERFACE	2026/03/20
A2026/00316	GRAPHICAL USER INTERFACE	2026/03/20
A2026/00317	LOGO	2026/03/20
A2026/00330	AUTOMOBILES	2026/03/24
A2026/00340	PRINTING TYPE AND TYPE FACE AS APPLIED TO A PRINTING PLATE AND/OR A COMPUTER-TO-PLATE (CTP) DIGITAL PRINTING PLATE ADAPTED FOR PRINTING IMAGES	2026/03/31

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A2026/00341	TEXTILE PIECE GOODS, ARTIFICIAL AND/OR NATURAL SHEET MATERIAL	2026/03/31
A2026/00580	A CONTAINER	2026/05/22
A2026/00582	A MOBILE CONTAINER	2026/05/22
A2026/00586	A CONTAINER	2026/05/22
F2025/00904	LOADERS	2025/07/29
F2026/00017	Part of a Pool Weir Assembly	2026/01/14
F2026/00033	TABLE	2026/01/15
F2026/00039	Frame Element	2026/01/19
F2026/00043	Frame Element	2026/01/19
F2026/00067	A CANOPY FOR A MOTORCYCLE	2026/01/29
F2026/00097	NAVI 3IN1 SET-SQUARE	2026/02/05
F2026/00100	CONVEYOR BELT FASTENER	2026/02/06
F2026/00101	CONVEYOR BELT FASTENER	2026/02/06
F2026/00103	CONVEYOR BELT FASTENER	2026/02/06
F2026/00119	CABLE STORAGE BRACKET	2026/02/10
F2026/00121	CABLE RETAINER	2026/02/10
F2026/00123	CABLE SLACK STORAGE ARRANGEMENT	2026/02/10
F2026/00184	MAGNETIC FASTENING DEVICE FOR FORMAL BOUTONNIERE/LAPEL/GARMENT DECORATION	2026/02/25
F2026/00212	DOWN-THE-HOLE DRILL BIT	2026/02/27
F2026/00215	DOWN-THE-HOLE DRILL BIT	2026/02/27
F2026/00252	SPORTS SHIRT	2026/03/13
F2026/00286	CONTAINER AND LID	2026/03/18
F2026/00299	BLOCK FOR CONSTRUCTION	2026/03/18
F2026/00581	A CONTAINER	2026/05/22
F2026/00583	A MOBILE CONTAINER	2026/05/22
F2026/00585	A MOBILE CONTAINER	2026/05/22
F2026/00587	A CONTAINER	2026/05/22