PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

FEBRUARY 2026 **VOL 59 ● No. 02**

Companies and Intellectual Property Commission

a member of the dtic group

Part II of II

ISSUED MONTHLY **DATE OF ISSUE: 25 FEBRUARY 2026**

ISSN 2223-4837

PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

VOL. 59 No. 02 **Date of Issue: 25 FEBRUARY 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 2026/01/23 -

2026/01048 ~ Complete ~54:METHODS FOR TREATING TYPE 1 DIABETES ~71:PROVENTION BIO, INC., 55 Broad Street, 2nd Floor Red Bank, United States of America ~72: LEON, Francisco;RAMOS, Eleanor L.~ 33:US ~31:63/515,949 ~32:27/07/2023;33:US ~31:63/590,883 ~32:17/10/2023

2026/00931 ~ Provisional ~54:A SYSTEM FOR, AND METHOD OF, ANALYSING DIGITAL INFORMATION AND CONTROLLING SYSTEM RESPONSES ~71:CLOETE, Deon, 151 Rock Haven, 78 Augrabies Street, Mooikloof Ridge, South Africa ~72: CLOETE, Deon~

2026/00935 ~ Provisional ~54:SYSTEM AND METHOD FOR SUBSCRIBER IDENTITY CONTINUITY VERIFICATION WITH GATE-BEFORE-COMMIT, PORTABLE LINEAGE ATTESTATION RECEIPTS, DUAL-CARRIAGE CONTINUITY LEDGER, AND OFFLINE-VERIFIABLE EVIDENCE FOR PAYMENT RISK GATING ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/00946 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING TURNING, TILTING, TURN-AND-TILT OR AWNING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119673 ~32:17/07/2025

2026/00957 ~ Complete ~54:FRAME OF BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125296 ~32:13/09/2025

2026/00967 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123957 ~32:31/08/2025

2026/00970 ~ Complete ~54:FRAME OF BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125295 ~32:13/09/2025

2026/00972 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123955 ~32:31/08/2025

2026/00980 ~ Complete ~54:LANDING ELEMENT OF UNMANNED AERIAL VEHICLE ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119256 ~32:12/07/2025

2026/00985 ~ Complete ~54:METHOD FOR CONTROLLING POSITION OF AIRCRAFT ENGINE ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119254 ~32:04/11/2025

2026/00993 ~ Complete ~54:INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E Herikerbergweg 1-35, 1101 CN, Amsterdam Zuid Oost, Netherlands ~72: HEIKO PURNHAGEN;KRISTOFER KJOERLING;LARS VILLEMOES;PER EKSTRAND~ 33:US ~31:62/662,296 ~32:25/04/2018

2026/01014 ~ Complete ~54:DPP1 INHIBITOR INTERMEDIATE, AND PREPARATION METHOD THEREFOR AND USE THEREOF IN MEDICINES ~71:HAISCO PHARMACEUTICALS PTE. LTD., 10 Anson Road, #13-09 International Plaza, 079903, Singapore ~72: FENGFEI ZHU;JIANG FAN;YING DOU~ 33:CN ~31:202310763816.9 ~32:27/06/2023

2026/01017 ~ Complete ~54:BAIT COMPOSITIONS ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America;FMC IP TECHNOLOGY GMBH, Industrieplatz 1c/Mittelbau, 8212, Neuhausen, Switzerland ~72: GUOZHI WANG;ISAAC BILLY ANNAN;LUIS TEIXEIRA;MAGALI GRAVOUIL;OLIVER WALTER GUTSCHE;ROBERT KENNEDY~ 33:US ~31:63/523,509 ~32:27/06/2023

2026/01006 ~ Complete ~54:HEAT DISSIPATION PLATE, MIDDLE FRAME, AND ELECTRONIC DEVICE ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: HUANG, Yu;JIANG, Tiezhu;WANG, Tao;YANG, Ming~ 33:CN ~31:202311739785.X ~32:16/12/2023

2026/00974 ~ Complete ~54:CONSTRUCTION CONTRACT COMPLIANCE REVIEW METHOD BASED ON URBAN-RURAL CONSTRUCTION REGULATIONS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: MIAO Daohua~

2026/00984 ~ Complete ~54:ENGINE ROTATION MECHANISM FOR UNMANNED AERIAL VEHICLE ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119250 ~32:12/07/2025

2026/00992 ~ Complete ~54:DYNAMIC TRANSMISSION DISENGAGEMENT FOR A VEHICLE BASED ON CURRENT CONDITIONS IN A WORK CYCLE ~71:DEERE & COMPANY, One John Deere Place, Moline, Illinois, 61265-8098, United States of America ~72: DAVID F RINDFLEISCH;ETHAN H DELP;JAKE J BAKER;JOHN B LUEDTKE~ 33:US ~31:19/179,079 ~32:15/04/2025

2026/00994 ~ Complete ~54:NUCLEIC ACID, PHARMACEUTICAL COMPOSITION, CONJUGATE, PREPARATION METHOD, AND USE ~71:SUZHOU RIBO LIFE SCIENCE CO., LTD., No.168, Yuanfeng Road, Yushan Town, People's Republic of China ~72: GAO, Shan;KANG, Daiwu;LIU, Tao;ZHANG, Hongyan~ 33:CN ~31:201910430588.7 ~32:22/05/2019

2026/00996 ~ Complete ~54:INTELLIGENT CONTROL AND MANAGEMENT METHOD FOR PULSED POWER SUPPLY AND RELATED DEVICES ~71:SHENZHEN GARLE ELECTRIC TECHNOLOGIES CO., LTD, Area A, 6th Floor, Block B4, Yijing Industrial Park, Tianliao Community, Yutang Street, Guangming New District, Shenzhen, Guangdong, 518000, People's Republic of China ~72: Jiang, Haifeng;LI, Huan~ 33:CN ~31:202510189415.6 ~32:20/02/2025

2026/00979 ~ Complete ~54:ENGINE NACELLE FOR UNMANNED AERIAL VEHICLE WITH ENGINE ROTATION MECHANISM ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119251 ~32:12/07/2025

2026/00986 ~ Complete ~54:VERTICAL TAKE-OFF AIRCRAFT ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119257 ~32:12/07/2025

2026/01000 ~ Complete ~54:IONIZABLE LIPIDS ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, 2845, Belgium ~72: DE COEN, Ruben;DE KOKER, Stefaan;DUMBRE, Shrinivas;KASMI, Sabah~ 33:EP ~31:23183820.2 ~32:06/07/2023

2026/01002 ~ Complete ~54:MOTOR DRIVING CONTROL CIRCUIT, PORTABLE FAN BASED ON HIGH-SPEED THREE-PHASE MOTOR, AND PORTABLE FAN CONTROL METHOD ~71:Shenzhen Jisu Technology Co., Ltd, 2707-2710, Building 4, Tian'an Yungu Industrial Park Phase II, Gangtou Community, Bantian Street, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: GAO, Haijun;XIE, Jiahang;ZHENG, Guanzheng~ 33:CN ~31:202321965090.9 ~32:24/07/2023

2026/01005 ~ Complete ~54:COMPOSITIONS FOR THE MODULATION OF TASTE ~71:Ixora Scientific Inc., 6195 Cornerstone Ct, Suite 109, SAN DIEGO 92121, CA, USA, United States of America ~72: FLORES, Judith;JOHN, Thumplasseril V.;KAMIMURA, Aaron Jun;LI, Xiaodong;SHAHBANDI, Ali~ 33:US ~31:63/515,417 ~32:25/07/2023;33:US ~31:63/583,801 ~32:19/09/2023;33:US ~31:63/618,823 ~32:08/01/2024;33:US ~31:63/552,981 ~32:13/02/2024

2026/01015 ~ Complete ~54:CRYSTAL FORM OF BIPYRIMIDINE COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD., 12F, Building 56, No.1000 Jinhai Road, City of Elite, Pudong New Area, Shanghai 201203, People's Republic of China;JIANGSU YAHONG MEDITECH CO., LTD., D-1009, New Drug Innovation Base, No. 1, Yaocheng Avenue, CMC Taizhou, Jiangsu, 225316, People's Republic of China ~72: JUN QIU;LANPING ZHOU;MAOJIANG WU;YUSHEN GUO~ 33:CN ~31:202310819418.4 ~32:05/07/2023

2026/01012 ~ Complete ~54:RADIO ACCESS NETWORK AWARENESS OF USER EQUIPMENT-SIDE MODEL TRAINING ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: ARRAÑO SCHARAGER, Hernán Felipe;BELLESCHI, Marco;DA SILVA, Icaro Leonardo;PARICHEHREHTEROUJENI, Ali;RAMACHANDRA, Pradeepa~ 33:US ~31:63/539,387 ~32:20/09/2023

2026/01018 ~ Complete ~54:PRALATREXATE AND COP COMBINATION FOR THE TREATMENT OF PATIENTS WITH PERIPHERAL T CELL LYMPHOMA ~71:ACROTECH BIOPHARMA INC., 279 Princeton Highstown Road, East Windsor, New Jersey, 08520, United States of America ~72: ASHISH ANVEKAR~ 33:US ~31:63/525,585 ~32:07/07/2023

2026/00932 ~ Provisional ~54:A BAT FOR PLAYING BALL GAMES ~71:LIMPET SPORTS MANAGEMENT B.V., Meerkoet 383, 1113 EC Diemen, THE NETHERLANDS, Netherlands ~72: FOORTSE, Paul~

2026/00940 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING SLIDING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119674 ~32:17/07/2025

2026/00944 ~ Complete ~54:FRAME OF BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125297 ~32:13/09/2025

2026/00945 ~ Complete ~54:CONTROL SYSTEM FOR BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125303 ~32:13/09/2025

2026/00949 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119667 ~32:17/07/2025

2026/00952 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING TURNING, TILTING, TURN-AND-TILT OR AWNING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119669 ~32:17/07/2025

2026/00955 ~ Complete ~54:CONTROL SYSTEM FOR BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125301 ~32:13/09/2025

2026/00958 ~ Complete ~54:FRAME OF BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125299 ~32:13/09/2025

2026/00962 ~ Complete ~54:MACHINE-READABLE STORAGE MEDIUM FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123963 ~32:31/08/2025

2026/00965 ~ Complete ~54:MACHINE-READABLE STORAGE MEDIUM FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123962 ~32:31/08/2025

2026/00977 ~ Complete ~54:METHOD FOR HIGH-ORDER TRANSMISSION ERROR TOOTH SURFACE MODIFICATION OF FACE GEAR TRANSMISSION ~71:Fuzhou University, Fuzhou University, No.2 Wulongjiangbei Avenue, Fuzhou University Town, Minhou County, Fuzhou City, Fujian Province, 350108, People's Republic of China ~72: JIA Chao;MA Jichuang;XU Junhong~

2026/00982 ~ Complete ~54:ENGINE WITH ROTATION MECHANISM FOR UNMANNED AERIAL VEHICLES ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119252 ~32:12/07/2025

2026/00991 ~ Complete ~54:EXPLOSIVE CHARGE TAMPING ~71:FOURIE, Johan Jacques, 54 Gawie Theron Street, South Africa ~72: FOURIE, Johan Jacques~ 33:ZA ~31:2025/00258 ~32:08/01/2025

2026/00995 ~ Complete ~54:LONGITUDINAL SLOPE ADJUSTMENT DEVICE FOR PRECAST T-BEAM BOTTOM PRE-EMBEDDED BEARING PLATE ~71:CHINA COMMUNICATIONS FIRST HIGHWAY ENGINEERING BUREAU HAIWEI ENGINEERING CONSTRUCTION CO., LTD, Building 1, No. 568 Xuxing Road, Tongzhou District, People's Republic of China;SHENYANG JIANZHU UNIVERSITY, No. 25, Hunnan Middle Road, Hunnan District, People's Republic of China ~72: CHANG, Yongjian;XUE, Xingwei;ZHANG, Zexuan~

2026/01004 ~ Complete ~54:3D PRINTED POROUS SUPRAMOLECULAR SORBENTS ~71:Board of Regents, The University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: CULLINAN, Michael A.;HUANG, Sheng-Yin;MASON, Keldy S.;PAGE, Zachariah A.;SESSLER, Jonathan L.~ 33:US ~31:63/531,908 ~32:10/08/2023

2026/01019 ~ Complete ~54:BEVERAGE CONTAINER LID WITH SLIDING SEAL MECHANISM ~71:RUNWAY BLUE, LLC, 250 S 850 E Lehi, Utah, 84043, United States of America ~72: DAVID BYTHEWAY;DAVID O MEYERS;JIM ALLEN COLBY;JOHN R OMDAHL II;PAUL JAMES FAERBER~ 33:US ~31:63/515,952 ~32:27/07/2023

2026/01007 ~ Complete ~54:METHOD AND DEVICE FOR IMPERMEABILIZING THE BOTTOM OF A WATER BASIN ~71:Carpi Tech B.V., Bredaseweg 185, ETTEN-LEUR 4872 LA, THE NETHERLANDS, Netherlands ~72: SCUERO, Alberto Maria~ 33:IT ~31:102023000013935 ~32:04/07/2023

2026/01010 ~ Complete ~54:AUTOMATED DIGITAL MAGAZINE GENERATION ELECTRONIC PUBLISHING PLATFORM ~71:21 ENTERTAINMENT LLC, 324 S Beverly Drive, Suite 271, United States of America ~72: SMITH, Mario C.~ 33:US ~31:18/458,843 ~32:30/08/2023

2026/01013 ~ Complete ~54:HEAP LEACHING PROCESS WITH SEMI -AUTOGENOUS HEATING ~71:CORPORACION NACIONAL DEL COBRE DE CHILE, Huérfanos 1270, Chile ~72: CARRASCO, Miguel;CARREÑO, Héctor;DEL CASTILLO, Alex;LAGNO, Felipe;SALHE, Carolina~ 33:CL ~31:202302049 ~32:13/07/2023

2026/00928 ~ Provisional ~54:SYSTEM AND METHOD FOR HASH-BASED EVIDENCE ARTIFACT GENERATION ENABLING ARTIFICIAL INTELLIGENCE OUTPUT VERIFICATION WITHOUT INTERACTION LOG DISCLOSURE ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/00934 ~ Provisional ~54:PRONESUN ~71:Edna Joubert, 15 Castillo Complex, Ixia str, Heldervue, South Africa ~72: Edna Joubert~

2026/00938 ~ Provisional ~54:PORTABLE, SIM/SE-ANCHORED DIGITAL FINANCIAL IDENTITY WITH OFFLINE-VERIFIABLE PROOFS, FEATURE-PHONE PARITY, AND MULTI-OPERATOR FEDERATION ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/00954 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING TURNING, TILTING, TURN-AND-TILT OR AWNING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE,

VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119671 ~32:17/07/2025

2026/00959 ~ Complete ~54:FRAME OF BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125300 ~32:13/09/2025

2026/00961 ~ Complete ~54:MACHINE-READABLE STORAGE MEDIUM FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123961 ~32:31/08/2025

2026/00973 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123959 ~32:31/08/2025

2026/00975 ~ Complete ~54:POINT-OF-USE LIQUID FILTRATION SYSTEM ~71:HAMERS, Anke, 5 Main Road, Hogsback 5721, EC, SOUTH AFRICA, South Africa ~72: HAMERS, Anke~ 33:ZA ~31:2025/07744 ~32:11/09/2025

2026/00988 ~ Complete ~54:REWARDS MANAGEMENT SYSTEM AND METHOD ~71:LAVENDRAN CHETTY, 12 Middle Road, Sandton, South Africa ~72: LAVENDRAN CHETTY~ 33:ZA ~31:2025/00763 ~32:23/01/2025

2026/00997 ~ Complete ~54:PROBENECID FORMULATIONS ~71:PANNTHERAPI, 10 rue Descartes, France ~72: BRILLAUD, Elsa;GUILLERMIN, Alexandra~ 33:EP ~31:23306345.2 ~32:07/08/2023

2026/00927 ~ Provisional ~54:CLEANSHORE ~71:Andre Claassen, 18 Whale Rock Verde, White Caps Way, South Africa ~72: Andre Claassen~

2026/00936 ~ Provisional ~54:ELECTRONIC FORENSIC AUTOMATION SYSTEM (EFAS) ~71:NTOBEKO ZULU, 17 Pine Grove, South Africa ~72: NTOBEKO ZULU~

2026/00941 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING SLIDING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119675 ~32:17/07/2025

2026/00947 ~ Complete ~54:BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125305 ~32:13/09/2025

2026/00953 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING TURNING, TILTING, TURN-AND-TILT OR AWNING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119670 ~32:17/07/2025

2026/00964 ~ Complete ~54:FRAME OF BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125294 ~32:13/09/2025

2026/00968 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123958 ~32:31/08/2025

2026/00989 ~ Complete ~54:ADAPTIVE LANDING STRUCTURE FOR UNMANNED AERIAL VEHICLES ~71:Zhengzhou University of Aeronautics, No. 2, Daxue Middle Road, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Li Ling;Liang Ziang;Wang Sheng;Yan Yuang;Yan Zhongping;Yang Baixin~

2026/00999 ~ Complete ~54:DYNAMIC MINIMAL RESIDUAL DISEASE DETECTION ~71:The Broad Institute, INC., 415 Main Street, United States of America ~72: ADALSTEINSSON, Viktor A.;BLEWETT, Timothy David;LIU, Ruolin~ 33:US ~31:63/515,801 ~32:26/07/2023;33:WO ~31:PCT/US24/39936 ~32:26/07/2024

2026/01008 ~ Complete ~54:RECYCLING OF POLYOLEFIN WASTE BY ADDING A AMIDE CLARIFIER ~71:Milliken Europe BV, Ham 18, GENT 9000 , BELGIUM, Belgium ~72: GERSTER, Michèle;HAEBERLE, Viktoria;ISHAQUE, Michael;LI, Ming;MUELLER, Daniel;REICH, Oliver~ 33:IB ~31:2023/109370 ~32:26/07/2023

2026/01009 ~ Complete ~54:DEVICES, SYSTEMS, AND METHODS FOR WATER TREATMENT ~71:Innovative Water Care, LLC, 1400 Bluegrass Lakes Parkway, ALPHARETTA 30004, GA, USA, United States of America ~72: GAUTIER, Stephane;PALOIAN, Michael~ 33:US ~31:63/515,358 ~32:25/07/2023;33:US ~31:18/782,043 ~32:24/07/2024

2026/01020 ~ Complete ~54:NEW METHOD OF PRODUCING AN AQUEOUS MESOPARTICLE COMPOSITION COMPRISING A LIPOPHILIC COMPOUND ~71:BIOGNTX R&D B.V., Oosteinderweg 127 1432 AH Aalsmeer, Netherlands ~72: GEORGE PETER JOUBERT;RIENTS PIETER BEINTEMA~ 33:NL ~31:2035231 ~32:30/06/2023

2026/01021 ~ Provisional ~54:BENEFICIAL BOOKHOLDER ~71:HILTON BRIAN THOMAS, 309 THORA COURT, KITE STR, HORISONS, South Africa ~72: HILTON BRIAN THOMAS~

2026/01011 ~ Complete ~54:CEMENTED CARBIDE COMPOSITE CUTTING INSERT AND PREPARATION PROCESS THEREOF ~71:ANHUI HUATIAN MACHINERY CO., LTD, South Ring Road, Bowang Town, Bowang District, Anhui, People's Republic of China ~72: GENG, Yimin;NIU, Pingping;TAO, Peng;WU, Jianxin~ 33:CN ~31:202510363894.9 ~32:26/03/2025

2026/00930 ~ Provisional ~54:A SYSTEM AND METHOD FOR SEQUENTIAL POWER DELIVERY CHARGING OF MULTIPLE ELECTRONIC DEVICES ~71:LINDEMALAN GROUP (PTY) LTD, 33 McLean Street Petersfield Springs, South Africa ~72: Mr M Van Der Linde~

2026/00937 ~ Provisional ~54:ADAPTIVE AVIATION-OPTIMIZED BUSINESS GARMENT SYSTEM ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/00942 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING SLIDING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119676 ~32:17/07/2025

2026/00951 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119668 ~32:17/07/2025

2026/00963 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123953 ~32:31/08/2025

2026/00969 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123960 ~32:31/08/2025

2026/00978 ~ Complete ~54:UNMANNED AERIAL VEHICLE WITH TWO ROTARY ENGINES ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119249 ~32:12/07/2025

2026/00981 ~ Complete ~54:CATALYST FOR ELECTROCHEMICAL REDUCTION OF CARBON DIOXIDE TO HYDROCARBON FUELS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LIANG Gaoyang;LUO Hongyu;MAO Yanli;YU Xiuna~

2026/00990 ~ Complete ~54:CHROMATOGRAPHIC DEVICE FOR DETECTING INDUSTRIAL HEMP ~71:Technology Centre of Kunming Customs, No.359, Guangfu Road, Xishan District, Kunming city,Yunnan province, People's Republic of China ~72: DONG Shunfang;FAN Yun;FANG Kui;HU Jianmin;LI Yaoyao;LIU Hanqing;MAO Linxia;SHI Yuerong;TAN Mingfei;TENG Yajun;WU Mengqi;Wang Ying;YONG Tingting;Yang Yuncong;ZHANG Qiang;ZHANG Wei~ 33:CN ~31:202510716712.1 ~32:30/05/2025

2026/01001 ~ Complete ~54:PACKAGE COMPRISING DUMMY SILICON STRUCTURE LOCATED BETWEEN INTEGRATED DEVICES ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: SONG, Yanmei;STONE, William~ 33:US ~31:18/748,011 ~32:19/06/2024

2026/00929 ~ Provisional ~54:DISTRIBUTED SYSTEM FOR ENFORCING INTEGRITY AND VERIFIABLE PROVENANCE OF STATE ASSERTIONS ACROSS HETEROGENEOUS AUTHORATATATIVE DATE SOURCES ~71:Hendrik Cloete, 38 Golf Road, South Africa ~72: Hendrik Cloete~

2026/00933 ~ Provisional ~54:PRESSURE SENSOR ARRAY ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;RADEMEYER, Daniel Barend;WOLMARANS, Wikus~

2026/00939 ~ Complete ~54:CONTROL SYSTEM FOR BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125304 ~32:13/09/2025

2026/00943 ~ Complete ~54:TRANSITION ANALYSIS METHOD ~71:Guangdong Polytechnic of Science and Technology, No. 65, South Side of Zhuhai Avenue, Jinwan District, Zhuhai City, Guangdong Province, 519090, People's Republic of China ~72: ZHU, Leping~

2026/00948 ~ Complete ~54:KIT FOR MAKING SYSTEM FOR CONTROLLING TURNING, TILTING, TURN-AND-TILT OR AWNING WINDOW OR DOOR LEAF POSITION ~71:LIMITED LIABILITY COMPANY ELAIRE, VN.TER.G. MUNITSYPALNYI OKRUG KRYUKOVO, G ZELENOGRAD, K. 1651, POMESHCH. 1/1, MOSCOW, 124365, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich;MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2025119672 ~32:17/07/2025

2026/00950 ~ Complete ~54:BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125306 ~32:13/09/2025

2026/00956 ~ Complete ~54:FRAME OF BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125298 ~32:13/09/2025

2026/00960 ~ Complete ~54:CONTROL SYSTEM FOR BABY STROLLER WITH TRACK DRIVES ~71:RUSSIAN STROLLER LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNYJ OKRUG SAVELKI, G ZELENOGRAD, UL YUNOSTI, D. 8, POMESHCH. 1/4, MOSCOW, 124536, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025125302 ~32:13/09/2025

2026/00966 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123956 ~32:31/08/2025

2026/00971 ~ Complete ~54:METHOD FOR EXTRACTING INFORMATION FROM AUDIO RECORDING ~71:PRASOLOVA Larisa Stanislavovna, NEMANSKIY PR-D, DOM 1, KORP. 1, KV. 250, MOSCOW, 123181, Russian Federation ~72: PRASOLOVA Larisa Stanislavovna~ 33:RU ~31:2025123954 ~32:31/08/2025

2026/00976 ~ Complete ~54:CONSTRUCTION SAFETY MANAGEMENT PLATFORM WITH FULL-PROCESS PENETRATION BASED ON CLOUD-EDGE-TERMINAL COLLABORATION ~71:CHINA RAILWAY FIRST BUREAU GROUP CO., LTD. INTELLIGENT TECHNOLOGY BRANCH COMPANY, No. 1 Yanta North Road, Beilin District, Xi'an City, People's Republic of China;CHINA RAILWAY FIRST ENGINEERING GROUP CO., LTD., No. 1 Yanta North Road, Beilin District, Xi'an City, People's Republic of China;SHAANXI DIGITAL CRAFT CLOUD TECHNOLOGY CO., LTD., Room 1208-1211, 12th Floor, Galaxy Building B, Collaborative Innovation Port, Fengdong New District, Xi'an City, People's Republic of China ~72: BU, Dongping;FU, Yong;GE, Mengyao;LI, Shaobin;LI, Wanglei;LI, Yangdi;LIANG, Xijun;LIU, Feng;LIU, Jia;MENG, Feng;SONG, Hongqing;SU, Bin;SUN, Liming;WANG, Wei;WANG, Xiaolin;WU, Shengtao;XU, Hong;YAO, Renjie;ZHU, Shijie~ 33:CN ~31:2025109542437 ~32:10/07/2025

2026/00983 ~ Complete ~54:METHOD FOR CONTROLLING AIRCRAFT FLIGHT ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119253 ~32:04/11/2025

2026/00987 ~ Complete ~54:HIGH-STABILITY COOLANT AND PREPARATION METHOD THEREOF ~71:NANJING VOCATIONAL COLLEGE OF INFORMATION TECHNOLOGY, No. 99, Wenlan Road, Qixia District, Nanjing City, People's Republic of China ~72: DUANMU, Yuxuan;HANG, Yuxin;ZHONG, Qian~ 33:CN ~31:2025119553777 ~32:23/12/2025

2026/00998 ~ Complete ~54:5-HT2A RECEPTOR AGONIST, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:INNOVSTONE THERAPEUTICS LIMITED, 500 Qingdai Road Pudong New Area,, People's Republic of China ~72: CHENG, Qianyi;FU, Yiwei;KOU, Hongyan;LU, Kai;MU, Yongzhao;SONG, Yunlong;WANG, Disha;WANG, Feng~ 33:CN ~31:202310907997.8 ~32:24/07/2023;33:CN ~31:202311247946.3 ~32:26/09/2023;33:CN ~31:202410265433.3 ~32:08/03/2024

2026/01003 ~ Complete ~54:SUBSTITUTED CONDENSED TRICYCLIC AMINE COMPOUNDS AND USES THEREOF AS RAS INHIBITORS ~71:Kumquat Biosciences Inc., 10770 Wateridge Circle, Suite 120, SAN DIEGO 92121, CA, USA, United States of America ~72: LI, Liansheng;REN, Pingda;WU, Baogen~ 33:US ~31:63/511,279 ~32:30/06/2023;33:US ~31:63/513,796 ~32:14/07/2023;33:US ~31:63/582,484 ~32:13/09/2023;33:US ~31:63/600,560 ~32:17/11/2023;33:US ~31:63/646,597 ~32:13/05/2024

2026/01016 ~ Complete ~54:COMPOUND CONTAINING MULTI-FUSED RING STRUCTURE ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No. 369 Yuzhou South Rd., Lianyungang, Jiangsu, 222062, People's Republic of China ~72: BAOMIN LIU;JINFA HU;YAN ZHU;YU HUANG~ 33:CN ~31:202310802212.0 ~32:30/06/2023;33:CN ~31:202311497217.3 ~32:03/11/2023;33:CN ~31:202410808056.3 ~32:20/06/2024

. - APPLIED ON 2026/01/26 -

2026/01022 ~ Provisional ~54:INTERACTIVE AI-DRIVEN SHORT-FORM VIDEO PLATFORM WITH AUGMENTED REALITY, VIRTUAL REALITY, AND TOKENIZED CONTENT OWNERSHIP ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01029 ~ Provisional ~54:CLEANSHORE™ – IMPROVEMENTS AND ALTERNATIVE EMBODIMENTS ~71:Andre Claassen, 18 Whale Rock Verde, White Caps Way, South Africa ~72: Andre Claassen~

2026/01030 ~ Provisional ~54:SPORTS BAT BALANCER ~71:HALO PRO WEIGHT PTY (LTD), 153 Village View Rd, Kidd’s Beach, South Africa ~72: JACKSON, Sean Kelvin~

2026/01043 ~ Complete ~54:INTELLIGENT PRESSURE-REGULATING HEMOSTATIC DEVICE FOR EMERGENCY DEPARTMENTS ~71:The 908th Hospital of Chinese People's Liberation Army Joint Logistic Support Force, No. 1028, Jinggangshan Avenue, Nanchang City, Jiangxi Province, People's Republic of China ~72: Chunhua Ruan;Fuzhen Xu;Qiulan Yu;Shanshan Li;Wei Yi;Yuehua Gong;Zhenqi Xu~

2026/01050 ~ Complete ~54:LIPID COMPOUND AND COMPOSITION THEREOF ~71:GUANGZHOU RIBOBIO CO., LTD., No.7 Suida Street, Huangpu District, People's Republic of China;HK RIBO BIOLOGY LIMITED, Suite 2702, 27/f., Shui On Center, NOS. 6-8 Harbour Road, People's Republic of China ~72: ZHANG, Bill Biliang;ZHAO, Haoting~ 33:CN ~31:202311424873.0 ~32:30/10/2023

2026/01037 ~ Complete ~54:METHOD FOR PROTECTED CULTIVATION OF GRAPES IN ORIGINAL SOIL OF COASTAL HEAVILY SALINE-ALKALI LAND ~71:Institute of Coastal Agriculture, Hebei Academy of Agriculture and Forestry Sciences, No. 63 Binhai Street, Caofeidian District, Tangshan City, Hebei Province, 063200, People's Republic of China ~72: DING, Ding;LIU, Hongjiu;MA, Ruiping;SUN, Yeshuo;YANG, Xiaoqing;ZHANG, Guoxin~

2026/01112 ~ Complete ~54:HBV VACCINES AND METHODS TREATING HBV ~71:Gilead Sciences, Inc., 333 Lakeside Drive Foster City, United States of America ~72: AHMADI-ERBER, Sarah M.;BALSITIS, Scott J.;DAFFIS, Stephane;SCHIPPERS, Timo;SCHMIDT, Sarah~ 33:US ~31:62/908,484 ~32:30/09/2019

2026/01053 ~ Complete ~54:OPTIMIZING BATTERY DELIVERY AND REPLACEMENT ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: ALMGREN, Glen;FEETHAM, Sara;FIELDING,

Damon;GREEN, Christopher;HA, Christopher;HUERTA, Diana;JONES, Daryl;KHALIL, Sadia;RAMASWAMY, Sridhar;RODRIGUEZ, Mark;TUCKMANTEL, Philippe~ 33:US ~31:18/361,742 ~32:28/07/2023

2026/01035 ~ Complete ~54:CATALYST FOR PHOTOTHERMAL SYNERGISTIC CATALYTIC PREPARATION OF SYNGAS FROM METHANE AND CARBON DIOXIDE AND PREPARATION METHOD ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LUO Hongyu;SONG Zhize;WU Chunhan;YU Xiuna~

2026/01039 ~ Complete ~54:AGGREGATION METHOD AND SYSTEM FOR DONG TRADITIONAL ARCHITECTURAL STRUCTURES BASED ON SPATIAL UNIT CLUSTERS AND MORPHOLOGICAL COUPLING ~71:Guizhou University of Commerce, No.1, 26th Avenue, Baiyun District, Guiyang City, Guizhou Province, 550014, People's Republic of China ~72: HUO, Shan;LI, Qin~ 33:CN ~31:202510909966.5 ~32:02/07/2025

2026/01052 ~ Complete ~54:SCALABLE AND PORTABLE AC/DC SUBSTATION ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: STRASHNY, Igor~ 33:US ~31:18/228,421 ~32:31/07/2023

2026/01054 ~ Complete ~54:USE OF WULING FORMULATION IN THE PREPARATION OF DRUG FOR PREVENTING OR TREATING NON-ALCOHOLIC FATTY LIVER DISEASE ~71:TSING HUA DE REN XI'AN XINGFU PHARMACEUTICAL CO. LTD., No.107, Xingfu Middle Road, People's Republic of China ~72: DU, Chengqiang~ 33:CN ~31:202310919939.7 ~32:25/07/2023;33:CN ~31:202410263883.9 ~32:07/03/2024

2026/01057 ~ Complete ~54:BATTERY SYSTEM AND METHOD FOR ELECTRIC POWER FLOW CONTROL THEREIN ~71:EPIROC ROCK DRILLS AKTIEBOLAG, SE-701 91, Örebro, Sweden ~72: ANDREW HUBELE~

2026/01059 ~ Complete ~54:MULTI-ISOTOPE QUANTIFICATION OF DISSOLUTION AND MINERALIZATION DURING GEOCHEMICAL CO2 REMOVAL AND STORAGE ~71:CELLA MINERAL STORAGE INC., 28 W 90th St. Apt. 4R, New York, New York, 10024, United States of America ~72: CLAIRE JULIET NELSON~ 33:US ~31:63/511,540 ~32:30/06/2023

2026/01061 ~ Complete ~54:CEMENTITIOUS PRODUCTS INCLUDING ADMIXTURES, AND ASSOCIATED SYSTEMS AND METHODS ~71:Graymont Western Canada Inc., 200-10991 Shellbridge Way, RICHMOND V6X 3C6, BRITISH COLUMBIA, CANADA, Canada ~72: HARIHARAN, Narain;MCFARLANE, Lucas;ROMANIUK, Nikolas Andrei~ 33:US ~31:63/510,592 ~32:27/06/2023

2026/01066 ~ Complete ~54:NUCLEAR REACTOR FUEL AND ASSOCIATED SYSTEMS AND METHODS ~71:THE LEAPFROG NUCLEAR COMPANY, 20716 11th Ave S. Des Moines WA 98198, United States of America ~72: REED, Mark Wilbert~ 33:US ~31:63/510,362 ~32:26/06/2023

2026/01034 ~ Complete ~54:AUTOMATIC PALLETIZING DEVICE FOR CONTAINER CORNER FITTINGS ~71:Jiangmen Guangjin Casting & Forging Foundry Co., Ltd., (Shazaidi, Meige Village) Jinmen Industrial District, Shadui Town, Xinhui District, Jiangmen, Guangdong, 529147, People's Republic of China ~72: CHEN, Jiaying;DU, Jianmin;HAN, Mingfu;LUO, Yaoping;ZHAN, Delin~ 33:CN ~31:202510169678.0 ~32:17/02/2025

2026/01042 ~ Complete ~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 ~71:Kunming University of Science and Technology, No. 68, Wenchang Road, 121st Street, Wuhua District, Kunming City, Yunnan Province, 650031, People's Republic of China ~72: Bingqing Ma;Guoneng Bao;Guosuo Zou;Hanhua Xu;Jianrong Ding;Jun Wang;Kuo Yao;Liangshuai Shen;Qin

Song;Shuangming Yang;Wei Xu;Wei Zhang;Wenjie Xu;Xiaobing Fu;Xueneng Li;Yanhui Guo;Yanming Feng;Yichen Miao;Yong Niu;Zewen Zhang;Zhusheng Yang~

2026/01044 ~ Complete ~54:AN ORAL HYGIENE PRODUCT ~71:FARAGO, Laci Zoltan, 2 Leiden Avenue, Menkenkop, MOSSELBAY 6520, Western Cape, SOUTH AFRICA, South Africa ~72: FARAGO, Laci Zoltan~ 33:ZA ~31:2025/01086 ~32:04/02/2025

2026/01056 ~ Complete ~54:IRON CHROMIUM ELECTROLYTES ~71:REDOX ONE LIMITED, Office 109, Sofoklis Pittokopitis Business Centre, 17 Neophyto Nicolaides and Kilkis Streets, PAPHOS 8011, CYPRUS, Cyprus ~72: BIJZET, Johannes Ferdinand;BRUINSMA, Odolphus Simon Leo;CHENNELLS, Peter Maurice;ROOPA, Shriya~ 33:ZA ~31:2023/06769 ~32:03/07/2023

2026/01064 ~ Complete ~54:SODIUM CHANNEL BLOCKING COMPOUNDS, DERIVATIVES THEREOF, AND METHODS OF THEIR USE ~71:Latigo Biotherapeutics, Inc., 1300 Rancho Conejo Blvd., Suite 305, THOUSAND OAKS 91320 , CA, USA, United States of America ~72: BAJJI, Ashok;BALKOVEC, James Michael;HOLT, Tian;KAUFMAN, Michael;ZENG, Yibin~ 33:US ~31:63/530,158 ~32:01/08/2023;33:US ~31:63/570,708 ~32:27/03/2024

2026/01067 ~ Provisional ~54:A FACE-DOWN TANNING FACIAL SUPPORT MAT ~71:Edna Joubert, 15 Castillo Complex, Ixia str, Heldervue, South Africa ~72: Edna Joubert~

2026/01026 ~ Provisional ~54:JURISDICTIONAL ASSET RESOLUTION AND CONVERSION SYSTEM FOR LEGALLY OWNED DIGITAL ASSETS ~71:Mohale Kitso Mpesi, Mohale Mpesi, South Africa ~72: Mohale Kitso Mpesi~

2026/01062 ~ Complete ~54:BISPECIFIC ANTIBODY TARGETING PD-L1 AND IL-1 AND USE THEREOF ~71:Phil Rivers Technology Co., Ltd, Room 613, Floor 6, Building 2, Shangshuiyuan, Baijiatuan Haidian District, BEIJING 100190, CHINA (P.R.C.), People's Republic of China ~72: NIU, Gang;YANG, Jianfei;ZHANG, Chunli;ZHANG, Chunming;ZHANG, Tingyan~ 33:CN ~31:202310779071.5 ~32:28/06/2023

2026/01065 ~ Complete ~54:3H-IMIDAZO[4,5-B]PYRIDINE COMPOUNDS AS NON-COVALENT MODIFIERS OF AKT1 AND USES THEREOF ~71:TERREMOTO BIOSCIENCES, INC., 230 E Grand Ave., Suite 200, South San Francisco, United States of America ~72: BESTVATER, Brian P.;CARELLI, Jordan D.;CHU, Hang;HANSEN, Timothy R.;REISBERG, Solomon H.;THOMPSON, Peter A.;YANG, Kin S.;ZAJDLIK, Adam~ 33:US ~31:63/517,760 ~32:04/08/2023;33:US ~31:63/650,658 ~32:22/05/2024

2026/01068 ~ Provisional ~54:SMARTFACE ~71:Litha Galada, 30 Ellingen Road Ormonde, South Africa ~72: Litha Galada~

2026/01024 ~ Provisional ~54:A MODULAR, MULTI-UNIT SYNCHRONIZED HYDRAULIC MOBILITY SYSTEM FOR THE TRANSPORT AND POSITIONING OF IRREGULARLY SHAPED LOADS ~71:Rainier, 7 Van Gendt, South Africa ~72: Rainier Engelbrecht~

2026/01040 ~ Complete ~54:FLOCCULANT DOSING DEVICE FOR SLUDGE DEWATERING ~71:Jinhua University of Vocational Technology, No. 888, Haitang West Road, Wucheng Dist., Jinhua City, Zhejiang Province, People's Republic of China ~72: Cong Lou;Fengpan Zhu;Jing Zhang;Quanwei Zhao;Qunmei Zhou;Xiangke Jiao;Xiaozhen Li~

2026/01041 ~ Complete ~54:A MULTIFUNCTIONAL DISPLAY DEVICE FOR PRODUCING FILM AND TELEVISION ANIMATION ~71:Xingzhi College Zhejiang Normal University, No. 3388, Yingbin Avenue,

Shanghua Street, Lanxi City, Jinhua City, Zhejiang Province, 321100, People's Republic of China ~72: Conghao Xu;Sike Wang;Xixi Ye;Zexu Lian~

2026/01046 ~ Complete ~54:PRO-PERFUME COMPOSITIONS ~71:Firmenich SA, 7, Rue de la Bergère, SATIGNY 1242, SWITZERLAND, Switzerland ~72: HERRMANN, Andreas;WOMACK, Gary~ 33:US ~31:62/951,028 ~32:20/12/2019;33:EP ~31:20155108.2 ~32:03/02/2020

2026/01049 ~ Complete ~54:PLANT DEFENSE ELICITORS ~71:GLOBACHEM NV, Lichtenberglaan 2019 3800, Belgium ~72: VAN DAELE, Guy;VOGELS, Liesbeth;ZWARTS, Liesbeth~ 33:EP ~31:23188974.2 ~32:01/08/2023

2026/01055 ~ Complete ~54:STABLE PLANT SUPPORTING FORMULATION ~71:GROBLER, Anne Frederica, 42 Koedoesfontein, IQ478, Potchefstroom district 2531, SOUTH AFRICA, South Africa ~72: GROBLER, Anne Frederica~

2026/01060 ~ Complete ~54:PRODUCTION METHODS ~71:FORESTA GROUP HOLDINGS LIMITED, 10/12 Kelly Court, Landsborough, Queensland, 4550, Australia ~72: GRANT YEATMAN;RAYMOND DUDLEY MOUNTFORT~ 33:AU ~31:2023902101 ~32:30/06/2023

2026/01025 ~ Provisional ~54:HYBRID OPTICAL-DIGITAL ASSET AUTHENTICATION SYSTEM FOR JAMMED-SIGNAL ENVIRONMENTS ~71:Norovari Pty, 445 Kierieklapper Ave, South Africa ~72: DINAH CHRISINE DUBE~ 33:ZA ~31:0 ~32:23/01/2026

2026/01038 ~ Complete ~54:FLUID DRAINAGE DEVICE FOR ONCOLOGY NURSING ~71:Shenzhen Hospital (Futian) of Guangzhou University of Chinese Medicine, No. 6001, Beihuan Avenue, Futian Dist., Shenzhen, Guangdong, People's Republic of China ~72: Fang Fang;Huan Lu;Jiyun Yuan;Liuting Huang;Mei Xiao;Mujun Liu;Xiao Li~

2026/01047 ~ Complete ~54:METHOD AND APPARATUS FOR VIDEO ENCODING AND DECODING WITH PARTIALLY SHARED LUMA AND CHROMA CODING TREES ~71:INTERDIGITAL VC HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: FABRICE LELEANNEC;FRANCK GALPIN;GAGAN RATH;TANGI POIRIER~ 33:EP ~31:18305653.0 ~32:29/05/2018

2026/01023 ~ Provisional ~54:A SYSTEM AND METHOD FOR SECURE, CONDITIONAL, AND REVERSIBLE DIGITAL TRANSACTION EXECUTION USING THIRD-PARTY ESCROW AND TRUST-VERIFICATION MECHANISMS ~71:CLEARHOLD(PTY)LTD, 16 Haenettsberg Street, South Africa ~72: TUMELO TSOTETSI~

2026/01031 ~ Provisional ~54:CORE STRENGHTENING TOOL ~71:Mason, Michael James, 104 Reyneke St, Nestpark AH, South Africa ~72: Mason, Michael James~

2026/01032 ~ Provisional ~54:DISTRIBUTION OF ITEMS TO END-USERS IN A RETAIL ENVIRONMENT HAVING A PLURALITY OF PHYSICAL LOCATIONS ~71:SHOPRITE CHECKERS (PROPRIETARY) LIMITED, Cnr. William Dabs and Old Paarl Roads, Brackenfell, South Africa ~72: BURGER, Carel;DE BRUYN, Natalie;DE BRUYN, Zyla;DULLABH, Pratish;ERASMUS, Philip;NAIDOO, Sheslin;PILLAY, Vishalin;SCHREUDER, Neil;SMIT, Kristoff;SUBBIAH, Dirren~

2026/01103 ~ Provisional ~54:PULSE GUIDE ~71:Sphesihle Ntombela, 20 Mansel road, South Africa ~72: Sphesihle Ntombela~

2026/01027 ~ Provisional ~54:SYSTEM AND ASSOCIATED METHOD FOR MENTAL HEALTH PREDICTION AND TRAUMA RECOVERY ~71:LIFELINK INNOVATIONS LIMITED, 20 Wenlock Road, United Kingdom ~72:

HABIB, Maryam;KHAN, Saad Saleem;OMAR, Muhammad;RYAN, Caitriona;SIDDIQUE, Husnain;TAHA, Muhammad~

2026/01028 ~ Provisional ~54:TECHNOLOGY ENABLED PARCEL DELIVERY SYSTEM UTILIZING TAXI TRANSPORT NETWORKS ~71:Lindinhlanhla Golden Kheswa, N65 Spring Avenue, South Africa ~72: Lindinhlanhla Golden Kheswa~

2026/01033 ~ Provisional ~54:IT METHODOLOGY ON RISK CONTROL MATRIX AND SELF CONTROL ASSESSMENT WITH DASHBOARD CAPABILITY ~71:Mathlame Carol Makgalemela, 233 Calvyn street, Silverton, South Africa ~72: Mathlame Carol Makgalemela~ 33:ZA ~31:pct ~32:28/12/2025

2026/01036 ~ Complete ~54:CONTEXT-AWARE TEMPORAL MESSAGING SYSTEM AND METHOD ~71:Kimi Isaac Onana, Suit 14, Floor 1, Ocean Center, Plot 1018 Cadastral Zone B18, Off Oladipo Diya Road, Apo Gudu, FCT-ABUJA, Nigeria ~72: Kimi Isaac Onana~

2026/01045 ~ Complete ~54:FOLDABLE STORAGE TRAY ~71:BUDDY TRAY (PTY) LTD., 28 Montebello Avenue, Sunningdale, MILNERTON 7441, Western Cape, SOUTH AFRICA, South Africa ~72: ENGELBRECHT, Morgan Leon;MULLER, Jean-Pierre~ 33:ZA ~31:2025/01085 ~32:04/02/2025

2026/01051 ~ Complete ~54:TRANSMISSION SHAFT DIMENSION DETECTION DEVICE ~71:Hubei Jianfeng Technology Co., Ltd., C9 Building, Tianjin Hubei Chamber Of Commerce Xiaochang Economic Industrial Park, Intersection Of Mengzong Avenue And Ronghe Avenue, Xiaochang County, Xiaogan, Hubei, 432900, People's Republic of China ~72: HUANG, Lizhao;LI, Jianjun;WANG, Wenqiao~

2026/01058 ~ Complete ~54:A CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: FARAAZ MOHAMMED IKRAM;MANOJ VILAS DAGAONKAR;SAHITI MATTAPARTHI;SHANTHI APPAVOO;SHRABANI MITRA;VISHAL KUMAR TRIVEDI~ 33:EP ~31:23188940.3 ~32:01/08/2023

2026/01063 ~ Complete ~54:GLAZING COMPRISING A TEMPORARY ORGANIC PROTECTIVE LAYER ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: HEURTEFEU, Bertrand;LOHOU, Stéphane~ 33:FR ~31:FR2308678 ~32:11/08/2023

2026/01171 ~ Provisional ~54:NOVACAL POLYCARBONATE SHEETS ~71:Makhosi Khoza, 50 African View Street, South Africa;NM Greenovations (Pty) Ltd, 50 African View Street, South Africa ~72: Makhosi Khoza;NM Greenovations (Pty) Ltd~ 33:ZA ~31:Not applicable ~32:24/01/2026

. - APPLIED ON 2026/01/27 -

2026/01074 ~ Complete ~54:ECOLOGICAL RESTORATION METHOD FOR RARE AND PRECIOUS METAL MINE ~71:Geophysical And Geochemical Survey Institute Of Hunan Province, No. 898, Section 2, Wanjiali South Road, Tianxin District, Changsha City, Hunan Province, 410114, People's Republic of China ~72: HU, Xiaolin;LI, Qingyan;LI, Tiao;LI, Xinyue;LING, Honghui;LIU, Guiyuan;LU, Jiang;XIE, Jia~ 33:CN ~31:202510716451.3 ~32:30/05/2025

2026/01078 ~ Complete ~54:SPLIT WIRE HARNESS CONNECTION STRUCTURE ~71:Shenzhen Farmer Technology Co., Ltd., No. 18, Henggangxia Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, 518100, People's Republic of China ~72: TIAN, Wenwei;WU, Qijun~ 33:CN ~31:202510188526.5 ~32:20/02/2025

2026/01079 ~ Complete ~54:AN AI-INTELLIGENT RFID COMMEMORATIVE ARTIFICIAL DIAMOND JEWELRY BASED ON BIOGENIC CARBONIZED MATERIALS AND A PREPARATION METHOD THEREOF ~71:Henan

Liumianding New Material Technology Co., Ltd., No. 3222, Southern Section of Zhongyuan Road, Wenchang Subdistrict Office, Demonstration Zone, Jiaozuo City, Henan Province, 454000, People's Republic of China ~72: Caiyun Pan;Jian Chen;Nanyang Ma;Pengxu Xia;Yunhua Li~

2026/01087 ~ Complete ~54:METHOD OF TREATING CUTANEOUS MELANOMA ~71:IMMUNOCORE LIMITED, 92 Park Drive, Milton Park, United Kingdom ~72: ABEDIN, Shaad;BERMAN, David;DAR, Mohammed;MUNDY, Renee;YUAN, Yuan~ 33:US ~31:63/516,914 ~32:01/08/2023

2026/01090 ~ Complete ~54:INTEGRATED PROCESSES FOR UTILIZING SYNTHESIZED AND STORED METHANOL ~71:BP P.L.C., 1 St. James's Square, LONDON SW1Y 4PD, UNITED KINGDOM, United Kingdom ~72: TAYLOR, Dave~ 33:EP ~31:23182233.9 ~32:28/06/2023

2026/01092 ~ Complete ~54:ULTRAHIGH-STRENGTH STEEL PLATE HAVING HIGH R VALUE AND MANUFACTURING METHOD THEREFOR ~71:BAOSHAN IRON & STEEL CO., LTD., No.885, Fujin Road, Baoshan District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: LI , Wei;XUE, Peng;ZHU, Xiaodong~ 33:CN ~31:202310793720.7 ~32:30/06/2023

2026/01096 ~ Complete ~54:TASTE MASKED GRANULE COMPOSITION OF CAFFEINE AND ITS PROCESS OF PREPARATION ~71:LYRUS LIFE SCIENCES PVT. LTD., # 54A & 54B [Part], KIADB Industrial Area Hoskote, Bangalore Rural, Karnataka, India, India;NOKHA TRADING LLP, No. 22, 7th Cross, Jaibharath Nagar, Bangalore, Karnataka, India ~72: BOTHRA, Chandanmal Pukhraj;BOTHRA, Hemanth Kumar;NATARAJAN, Elayaraja;PUTTURU, Ramesh;VARMA, Chitra Ajithan~ 33:IN ~31:202341045662 ~32:07/07/2023

2026/01071 ~ Provisional ~54:SCHOOL TRANSPORT RIDE-HAILING APP ~71:Gudani Manuga, F8 Tshitavha Village Nzhelele, South Africa;Phathutshedzo David Mutangwa, F8 Tshitavha, Nzhelele, South Africa ~72: Gudani Manuga;Phathutshedzo David Mutangwa~

2026/01072 ~ Provisional ~54:AFRICAN MUSIC METADATA UTILITY ~71:Ampyon Holdings (PTY) Ltd., 6 Manyorela Street, South Africa ~72: Nthabiseng Elizabeth Motau~ 33:ZA ~31:1 ~32:26/01/2026

2026/01080 ~ Complete ~54:METALLOGENIC PREDICTION METHOD AND SYSTEM BASED ON GEOLOGICAL BIG DATA ~71:SHANDONG GOLD GROUP CO., LTD., No. 2503 Jingshi Road, Licheng District, Jinan, Shandong, 250100, People's Republic of China ~72: Hanwen Jia;Hongtao Bi;Shaojie Liu;Wen Cai;Xiao Li;Yixin Li;Zhiyou Gao~ 33:CN ~31:2025115322148 ~32:24/10/2025

2026/01093 ~ Complete ~54:BENZO NITROGEN-CONTAINING HETEROCYCLIC DERIVATIVE REGULATOR, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:Jiangsu Hansoh Pharmaceutical Group Co., Ltd, Economic and Technological Development Zone, LIANYUNGANG 222047 , JIANGSU, CHINA (P.R.C.), People's Republic of China;Shanghai Hansoh Biomedical Co., Ltd., Building 11, No.3728 Jinke Road, (Shanghai) Pilot Free Trade Zone, Pudong New Area, SHANGHAI 201203, CHINA (P.R.C.), People's Republic of China ~72: MAO, Xiaofeng;SU, Yidong;WANG, Jun;YU, Wensheng~ 33:CN ~31:202310946477.8 ~32:28/07/2023;33:CN ~31:202311087184.5 ~32:25/08/2023;33:CN ~31:202311110642.2 ~32:30/08/2023;33:CN ~31:202311269491.5 ~32:27/09/2023;33:CN ~31:202311372605.9 ~32:20/10/2023;33:CN ~31:202311546779.2 ~32:17/11/2023;33:CN ~31:202311690443.3 ~32:08/12/2023;33:CN ~31:202311866263.6 ~32:29/12/2023;33:CN ~31:202410140555.X ~32:31/01/2024;33:CN ~31:202410241733.8 ~32:01/03/2024;33:CN ~31:202410385768.9 ~32:29/03/2024;33:CN ~31:202410587643.4 ~32:11/05/2024;33:CN ~31:202410882329.9 ~32:02/07/2024

2026/01102 ~ Complete ~54:GP130 ANTIGEN-BINDING ANTIBODIES ~71:VVB BIO PTE. LTD., 11 Collyer Quay, #17-00 The Arcade, Singapore ~72: COOK, Stuart Alexander;SCHAEFER, Sebastian~ 33:GB ~31:2311050.5 ~32:19/07/2023

2026/01069 ~ Provisional ~54:GLIFT 215 DECOUPLED ~71:Granville Emlyn Julius, 7 Sunningdale drive, South Africa ~72: Granville Emlyn Julius~

2026/01075 ~ Complete ~54:TWO-STORY ELECTRICALLY OPERATED LIFTING CARAVAN ~71:WEIHAI TRANSE VEHICLE CO., LTD., No. 8-2, Wangqiao Road, Qiaotou Town, Huancui District, Weihai, Shandong, 264212, People's Republic of China ~72: Chengfeng Bi;Chenhui Liu;Jiale Jiang;Peng Lin;Xiaobo Wang~ 33:CN ~31:2025210783302 ~32:29/05/2025

2026/01085 ~ Complete ~54:METHOD OF AND SYSTEM FOR ASSESSING A VEHICLE ~71:Chaob (Pty) Ltd. t/a cARscan.AI, 1st Floor, Building 16, Woodlands Office Park, 20 Woodlands Drive, WOODMEAD, Johannesburg 2191, Gauteng, SOUTH AFRICA, South Africa ~72: CHOUDHARY, Obins;HO, Filum Chi-Chung;PRAKASH, Chander~ 33:ZA ~31:2024/08087 ~32:28/10/2024

2026/01099 ~ Complete ~54:SYSTEM AND PROCESS FOR APPLICATION OF A VEHICLE BED-LINER ~71:GROUND EFFECTS, LLC, 44648 Mound Road PMB228, Sterling Heights, Michigan, 48314, United States of America ~72: PETER JOHN GOLEMBIEWSKI~ 33:US ~31:63/514,634 ~32:20/07/2023

2026/01073 ~ Provisional ~54:PORTABLE CONSUMER DENTAL AIR POLISHING ~71:Tasneem Galvaan 9308260194087, 16 Lansing Road Grassy Park, South Africa ~72: Tasneem Galvaan 9308260194087~

2026/01083 ~ Complete ~54:FOLDABLE ELECTRONIC DEVICE INCLUDING HINGE LOCK STRUCTURE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: GUN LIM;MINSU RHEE~ 33:KR ~31:10-2022-0078823 ~32:28/06/2022;33:KR ~31:10-2022-0098134 ~32:05/08/2022

2026/01086 ~ Complete ~54:METHODS FOR TREATING PERSISTENT OR CHRONIC IMMUNE THROMBOCYTOPENIA IN CHILDREN, ADOLESCENTS AND ADULTS BY ADMINISTERING (R)-2-[3-[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., 55 Corporate Drive, Bridgewater, New Jersey, United States of America ~72: DAAK, Ahmed;GUO, Hailing;LEE, Michelle~ 33:US ~31:63/524,530 ~32:30/06/2023;33:US ~31:63/535,183 ~32:29/08/2023;33:US ~31:63/607,818 ~32:08/12/2023;33:US ~31:63/637,286 ~32:22/04/2024

2026/01089 ~ Complete ~54:NUCLEAR HEATING SYSTEM COUPLED WITH MOLTEN SALT THERMAL ENERGY STORAGE AND HEATING METHOD THEREFOR ~71:HARBIN ENGINEERING UNIVERSITY, No. 145 Nantong street, Nangang District, Harbin City, People's Republic of China ~72: Genglei XIA;Haofang CHONG;Jilin SUN;Ruojun XUE;Sen WANG;Yaowu CAO;Ziwen LI~ 33:CN ~31:202410206110.7 ~32:26/02/2024

2026/01095 ~ Complete ~54:PI3K INHIBITORS ~71:Cogent Biosciences, Inc., 275 Wyman Street, 3rd Floor, WALTHAM, 02451, MA, USA, United States of America ~72: CARLSON, Paul R.;CHATTERJEE, Payal;CHICARELLI, Mark J.;CONNER, Michael L.;FISCHER, John;FULTON, Jennifer;JALLURI, Ravi Kumar;KNOX, Hailey J.;KUMAR, Vijay;NEWHOUSE, Bradley J.;NIMAN, Scott W.;RODRIGUEZ, Martha E.;SALITURO, Leah J.;SMITH, Aaron C.;STUNKARD, Lee M.;SUTTER, Patrick J.;TRUJILLO, John I.;VENTEICHER, Brooklynn;VINE, Logan E.;ZHOU, Yeyun~ 33:US ~31:63/516,375 ~32:28/07/2023

2026/01097 ~ Complete ~54:METHOD FOR TREATING SEPSIS ~71:ELIAZ THERAPEUTICS, INC., P.O. Box 1917, Sebastopol, California, 95473, United States of America ~72: ISAAC ELIAZ~ 33:US ~31:63/546,447 ~32:30/10/2023

2026/01098 ~ Complete ~54:PHARMACEUTICAL FORMULATION COMPRISING NERVE GROWTH FACTOR ~71:DOMPE' FARMACEUTICI S.P.A., Via San Martino 12, 20122 Milano, Italy ~72: LUCIA APPARENTE;NICOLA DETTA;SIMONE MATTIOLI;TIZIANA ROMEO~ 33:EP ~31:23188159.0 ~32:27/07/2023

2026/01077 ~ Complete ~54:A FAULT EARLY WARNING METHOD FOR A TAILINGS PASTE BACKFILLING SYSTEM ~71:Shandong Gold Mining (Laizhou) Co., Ltd, Jiaojia Gold Mine, Jiaojia Village, Jincheng Town, Laizhou City, Shandong Province, People's Republic of China ~72: Cui Yanlong;Dong Jinfu;Liu Mingzhou;Lv Weitao;Qiu Jungang;Wei Dengfeng;Wu Zhiguang;Yan Yongjiang;Yang Yong;Zhang Guangfeng~ 33:CN ~31:202510156584X ~32:13/02/2025

2026/01082 ~ Complete ~54:USE OF CAMELLIA OLEIFERA CAKE EXTRACT IN PREPARATION OF MEDICAMENT FOR TREATING BURNS AND SCALDS AND PROMOTING WOUND HEALING ~71:GANNAN MEDICAL UNIVERSITY, No. 1, Hexie Avenue, Rongjiang New District, Ganzhou City, People's Republic of China ~72: LIU, Zhiping~

2026/01101 ~ Complete ~54:CABLE RETAINER ASSEMBLIES AND METHODS OF RETAINING CABLES ~71:PREFORMED LINE PRODUCTS COMPANY, 660 Beta Drive, Mayfield, Ohio, 44143, United States of America ~72: JACOB PALMER;NICHOLAS LEES~ 33:US ~31:18/218,137 ~32:05/07/2023

2026/01070 ~ Provisional ~54:AUTOMATIC BALL MACHINE ~71:ATKINS, Michael, 5 Linaria Street, Weltevredenpark, South Africa;DE FREITAS, José Jorge, 8 Magaliesberg Road, Noordheuwil, South Africa ~72: ATKINS, Michael;DE FREITAS, José Jorge~

2026/01076 ~ Complete ~54:A JOINT REHABILITATION TRAINING DEVICE FOR STROKE PATIENTS ~71:QuZhou People's Hospital(The Central Hospital Of Qu Zhou), No.100, Minjiang Avenue, Kecheng District, Quzhou, Zhejiang, People's Republic of China ~72: Yu Chun;Zhang Qile;Zhou Chun~

2026/01081 ~ Complete ~54:CATALYST FOR CATALYTIC CARBON DIOXIDE REDUCTION TO PRODUCE SYNGAS AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LUO Hongyu;MAO Yanli;WANG Jina;YU Xiuna~

2026/01084 ~ Complete ~54:PURIFICATION AND CONTROL METHOD FOR PLANT-MIXED HOT RECYCLED EXHAUST GAS ~71:Fujian Tietuo Machinery Co., Ltd., No. 1, Luojiang District Intelligent Equipment Industrial Park, Heshi Town, Luojiang District, Quanzhou City, Fujian Province, People's Republic of China ~72: Guoqiang Gao;Zeyuan Pan;Zuoyao Yin~

2026/01088 ~ Complete ~54:METHOD AND COMPOUNDS FOR TREATING KELOIDS ~71:UNIVERSITY OF CAPE TOWN, Lovers Walk, South Africa ~72: BAYAT, Ardeshir;KHUMALO, Nonhlanhla Patience;MATOBOLE, Relebohile Matthew~ 33:AU ~31:2023902059 ~32:29/06/2023

2026/01091 ~ Complete ~54:ANTIPARASITIC COMPOSITIONS OF MACROCYCLIC LACTONES ~71:Elanco Saude Animal LTDA, Av. das Nações Unidas, 14401, 13° andar, Chácara Santo Antônio, SÃO PAULO - SP 04794-000, BRAZIL, Brazil ~72: CHO, Hyun;RODRIGUES, Luciano~ 33:US ~31:63/516,384 ~32:28/07/2023

2026/01094 ~ Complete ~54:FIBROBLAST ACTIVATION PROTEIN-TARGETED COMPOSITIONS AND METHODS OF USE THEREOF ~71:Ratio Therapeutics, Inc., One Design Center Place, Suite 19-601, BOSTON 02210, MA, USA, United States of America ~72: AMOR-COARASA, Alejandro;BABICH, John W.;DIMAGNO, Stephen;ORCUTT, Kelly~ 33:US ~31:63/529,522 ~32:28/07/2023;33:US ~31:63/627,309 ~32:31/01/2024

2026/01100 ~ Complete ~54:COMPOSITIONS AND METHODS FOR MANAGEMENT OF WHITEFLY ~71:DONALD DANFORTH PLANT SCIENCE CENTER, 975 North Warson Road, Saint Louis, Missouri, 63132, United States of America;NATIONAL AGRICULTURAL RESEARCH ORGANIZATION, P.O. Box 295, Entebbe, Uganda;NATURAL RESOURCES INSTITUTE, University of Greenwich Medway Campus, Central Avenue Chatham Maritime ME4 4TB, United Kingdom;YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., P.O. Box 39135 9139002 Jerusalem, Israel ~72: DOR WINTRAUBE;JOHN COLVIN;NARAYANAN NARAYANAN;NIGEL TAYLOR;OSNAT MALKA;REKHA SWAMY;SHAI MORIN;SHARON L VAN BRUNSCHOT;SUSAN SEAL;TADEO KAWEESI;TITUS ALICAI~ 33:US ~31:63/514,082 ~32:17/07/2023

2026/01104 ~ Provisional ~54:GLIFT 215 DECOUPLED ~71:Granville Emlyn Julius, 7 Sunningdale drive, South Africa ~72: Granville Emlyn Julius~

2026/01105 ~ Provisional ~54:SYSTEM AND METHOD FOR CONVERTING VERIFIED HUMAN ATTENTION INTO CONTROLLED DIGITAL VALUE ~71:UTOPIA CAPITAL GROUP (PTY) LTD, 9 Arend Avenue Windsor Glen, South Africa ~72: Rohan Van Heerden~

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2026/01220 ~ Provisional ~54:VARSIFY MANAGEMENT ~71:Daniel Junior Njini, 85 voortekker road, South Africa ~72: Daniel Junior Njini~

2026/01124 ~ Complete ~54:METHOD FOR TREATING STEEL PLANT WASTEWATER ~71:Beijing Longyuanweide Energy Technology Co., Ltd., Room 1402-3, Floor 14, Building 1, No. 4 Courtyard, Huangchuanbu Street, Tongzhou District, Beijing, 101100, People's Republic of China ~72: DONG, Dong;LIU, Peng;MA, Jin;WANG, Ran;YI, Weiwei;YUE, Yong;ZHANG, Jianfei;ZHAO, Shuo~ 33:CN ~31:202510900731.X ~32:01/07/2025

2026/01163 ~ Complete ~54:HEAT-CONDUCTING GRAPHENE SHEET AND PREPARATION METHOD THEREFOR ~71:ZHEJIANG SAINTYEAR ELECTRONIC TECHNOLOGY CO., LTD., No.10, Yonghong Road, Yong'an Village, Dangwan Town, Xiaoshan District, Hangzhou, Zhejiang, 311221, People's Republic of China ~72: LI, Kangkai;QIAN, Laijiang;SHEN, Haifei;TAO, Teng~ 33:CN ~31:202410695430.3 ~32:31/05/2024

2026/01161 ~ Complete ~54:AN ANTI-INFLAMMATORY HAIR OIL COMPOSITION FOR THE TREATMENT OF ALOPECIA ARETA AND PROCESS OF PREPARING THE SAME ~71:DUTTA, Sanath, HCB Road,, Amulapatty, Sivasagar, Assam, 785640, India;INGTI, Sanjeev, House No. 08, Bylane No. 01,, Bishnu Rabha Nagar, Noonmati, Guwahati, Assam, 781021, India ~72: DUTTA, Sanath;INGTI, Sanjeev~ 33:IN ~31:202331052741 ~32:05/08/2023

2026/01159 ~ Complete ~54:CRYSTALLINE SALTS OF N-ETHYL-(5-FLUORO-1H-INDOL-3-YL)-N-METHYLETHAN-1-AMINE ~71:GILGAMESH PHARMACEUTICALS, INC., 113 University Place, Suite 1019, NEW YORK 10003, NY, USA, United States of America ~72: HE, Yameng;KRUEGEL, Andrew Carry;LEONG, William;MACEACHERN, Lauren~ 33:US ~31:63/530,671 ~32:03/08/2023;33:US ~31:18/368,143 ~32:14/09/2023

2026/01165 ~ Complete ~54:FREEZE-DRIED VIRAL VACCINE COMPOSITIONS AND METHOD OF MANUFACTURING THEREOF ~71:SERUM INSTITUTE OF INDIA PRIVATE LIMITED, SERUM INSTITUTE OF INDIA PRIVATE LIMITED, 212/2, Off Soli Poonawalla Road, India ~72: ANASPURE, Yashodhan Dilip;DHERE, Rajeev Mhalasakant;GANGULY, Milan Shomenath;NARALE, Swapnil Prabhakar;POONAWALLA, Adar Cyrus;POONAWALLA, Cyrus Soli;SAGAR, Umesh Gorakh;TUPE, Sham Ramdas;TYAGI, Parikshit Dharampal~ 33:IN ~31:202321051767 ~32:01/08/2023

2026/01155 ~ Complete ~54:METHOD FOR SUPERVISING AN INDUSTRIAL PROCESS ~71:ABB Schweiz AG, Bruggerstrasse 66, BADEN CH-5400, SWITZERLAND, Switzerland ~72: HOERNICKE, Mario;SCHLAKE, Jan-Christoph~

2026/01158 ~ Complete ~54:CRYSTALLINE HYDROCHLORIDE AND FUMARATE SALTS OF N-ETHYL-2- (5-FLUORO-1H-INDOL-3-YL)-N-METHYLETHAN-1-AMINE ~71:GILGAMESH PHARMACEUTICALS, INC., 113 University Place, Suite 1019, NEW YORK 10003, NY, USA, United States of America ~72: HE, Yameng;KRUEGEL, Andrew Carry;LEONG, William;MACEACHERN, Lauren~ 33:US ~31:63/530,653 ~32:03/08/2023;33:US ~31:18/368,099 ~32:14/09/2023;33:US ~31:18/368,124 ~32:14/09/2023

2026/01169 ~ Complete ~54:COMPOUND AS LPAR1 ANTAGONIST, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF ~71:WUHAN CREATERNA SCIENCE AND TECHNOLOGY CO., LTD., Biolake C2-2, No. 666 High-Tech Road, East Lake High-Tech Development Zone, Wuhan, Hubei, 430075, People's Republic of China ~72: JIAXING ZHAO;JING ZENG;JUN LOU;XIAOQIN LU~ 33:CN ~31:202310941613.4 ~32:28/07/2023;33:CN ~31:202410173619.6 ~32:07/02/2024;33:CN ~31:202410539232.8 ~32:30/04/2024

2026/01129 ~ Complete ~54:FINANCIAL DOCUMENT PRESSING AND SMOOTHING DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GAO Shuning;HU Yu;WAN Linwei;ZHANG Lihui;ZHAO Xiaofang~

2026/01134 ~ Complete ~54:HIGH-SEALABILITY MODIFIED RUBBER COMPOSITION AND SEPTUM PREPARED USING SAME ~71:Zhejiang ALWSCI Technologies Co., Ltd., Building #16, Yuexing Technology Innovation Park, No.11 Fanrong Road, Binhai New District, Shaoxing 312366, Zhejiang, People's Republic of China ~72: Hengsheng Tian;Jianfeng Zhu;Mengfei Chen~

2026/01136 ~ Complete ~54:SOLID STATE FORMS OF GUSACITINIB ~71:LIBERTAS BIO, INC., 16 E 34th Street, New York, United States of America ~72: LI, Qun;MAHASHABDE, Shashank~ 33:US ~31:63/515,864 ~32:27/07/2023

2026/01147 ~ Complete ~54:NESTED SEQUENCES FOR POLAR CODES ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: COSKUN, Mustafa, Cemil;DU, Jinfeng~ 33:EP ~31:23184235.2 ~32:07/07/2023

2026/01152 ~ Complete ~54:LIPID PARTICLES FOR DELIVERING A PAYLOAD ~71:Repertoire Immune Medicines, Inc., One Kendall Square, 1400 W Fifth Floor, CAMBRIDGE 02139, MA, USA, United States of America ~72: JHAVERI, Aditi M.;PAJEROWSKI, John David;WESTCOTT, Nathan~ 33:US ~31:63/511,130 ~32:29/06/2023;33:US ~31:63/619,395 ~32:10/01/2024

2026/01154 ~ Complete ~54:METHODS OF SOLID PHASE ANTIBODY CONJUGATION ~71:Amgen Inc., One Amgen Center Dr., THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: BASCONI, Joseph Edward;BOLTON, Glen;MALONEY, Andrew John;TORRES-DELGADO, Amaris~ 33:US ~31:63/532,286 ~32:11/08/2023

2026/01162 ~ Complete ~54:TREATMENT OF PROSTATE CANCER ~71:ORIC PHARMACEUTICALS, INC., 240 E. Grand Avenue, 2nd Floor, United States of America ~72: DAEMEN, Anneleen;FRIEDMAN, Lori S.;JUNTTILA, Melissa R.;MANEVAL, Edna Chow;MULTANI, Pratik Sharad;PANUWAT, Matthew Paul~ 33:US ~31:63/517,672 ~32:04/08/2023;33:US ~31:63/603,336 ~32:28/11/2023;33:US ~31:63/617,895 ~32:05/01/2024;33:US ~31:63/670,485 ~32:12/07/2024

2026/01164 ~ Complete ~54:PACKAGING CONTAINER ~71:THOMAZ, Paulo Alberto Silva, 14 Lascelles Road, Meadowbrook, South Africa ~72: THOMAZ, Paulo Alberto Silva~ 33:ZA ~31:2024/04921 ~32:24/06/2024

2026/01115 ~ Complete ~54:INONOTUS OBLIQUUS HEALTH CARE TEA AND ITS PREPARATION METHOD ~71:HEILONGJIANG QISHENG TECHNOLOGY CO., LTD., 1-2F, No. 373, Gongbin Road, People's Republic of China ~72: DING, Chao;HUANG, Dongcheng;LU, Qi;WANG, Lin;ZHANG, Yutao;ZHU, Minghua~

2026/01119 ~ Complete ~54:AN EMERGENCY NOTIFICATION DEVICE ~71:CRIME IN PROGRESS SECURITY SOLUTIONS IP (PTY) LTD, 36 LEBOMBO ROAD, ASHLEY GARDENS, PRETORIA, 0081, SOUTH AFRICA, South Africa ~72: ROESTOFF, Maryne;VAN DEN BERG, Henlo, Gert~

2026/01126 ~ Complete ~54:BIDIRECTIONAL LOADING TEST DEVICE FOR TUNNEL SUPPORT MECHANISM ~71:ZHENGZHOU UNIVERSITY, No. 100, Science Avenue, People's Republic of China ~72: GUAN, Xinjian;GUO, Ming;LI, Xiaolong;LIU, Yuan;LU, Yannan;MENG, Yu;YU, Zhilei~ 33:CN ~31:2025106802004 ~32:26/05/2025

2026/01128 ~ Complete ~54:DRYING AND DISINFECTION DEVICE FOR MEDICAL DEVICES ~71:Hangzhou Medical College, No. 8, Yikang Street, Lin’an Dist.,, Hangzhou, Zhejiang, People's Republic of China ~72: Dongsheng Huang;Qiuran Xu;Xiaoliang Zheng~

2026/01140 ~ Complete ~54:PROCESS FOR IMPROVING RHODIUM/PHOSPHITE- BASED HOMOGENOUS HYDROFORMYLATION CATALYST ACTIVITY ~71:DOW TECHNOLOGY INVESTMENTS LLC, 2211 H.H. Dow Way, United States of America ~72: LAROCHE, Christophe R.~ 33:US ~31:63/517,458 ~32:03/08/2023

2026/01144 ~ Complete ~54:HYDROFORMYLATION PROCESS ~71:DOW TECHNOLOGY INVESTMENTS LLC, 2211 H.H. Dow Way, United States of America ~72: BRAMMER, Michael A.;GILES, Jason F.;LAROCHE, Christophe R.;MILLER, Glenn A.;SINGH, Amarnath~ 33:US ~31:63/517,505 ~32:03/08/2023

2026/01146 ~ Complete ~54:VIBRATION REDUCTION ASSEMBLY FOR HIGH-CAPACITY WASHING MACHINE ~71:CHANGYI YONGFU SPRING CO., LTD, Yongfu Village, Weizi Town, Changyi City, Weifang, Shandong, 261300, People's Republic of China ~72: Bangzhen GONG;Xuewen GONG~ 33:CN ~31:CN202321746846.0 ~32:05/07/2023

2026/01151 ~ Complete ~54:WALL CONSTRUCTION MADE OF STONE SLABS AS A CO2 SINK WITH CARBON FIBRES CONSISTING OF BIOMASS ~71:DÜRR, Bernd, Possarts Strasse 35, European Patent Office (EPO);KUSE, Coline, Oberfoehringer Strasse 175a, European Patent Office (EPO);KUSE, Kolja, Oberfoehringer Strasse 175a, European Patent Office (EPO);KUSE, Mera, Oberfoehringer Strasse 175a, European Patent Office (EPO) ~72: DÜRR, Bernd;KUSE, Coline;KUSE, Kolja;KUSE, Mera~ 33:DE ~31:20 2023 001 382.8 ~32:30/06/2023;33:DE ~31:20 2024 000 312.4 ~32:19/02/2024

2026/01156 ~ Complete ~54:PIPE CLAMP, PIPE CLAMP ASSEMBLY AND METHOD FOR FASTENING THE SAME ~71:Akrapovic d.d., Malo Hudo 8a, IVANCNA GORICA 1295, SLOVENIA, Slovenia ~72: PENCA, Jure;PIRNAR, Jože;VEBER, Boštjan~ 33:EP ~31:23198907.0 ~32:21/09/2023

2026/01106 ~ Provisional ~54:AI-ENABLED WIRELESS NETWORK EXTENSION DEVICE WITH REAL-TIME THREAT DETECTION ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01108 ~ Provisional ~54:HAND PROTECTION AND SANITISATION ~71:Mhlongo, Nonhlanhla Cynthia Thuleleni, 60 Rose Street, Riviera, Pretoria 0084, Gauteng, SOUTH AFRICA, South Africa ~72: Mhlongo, Nonhlanhla Cynthia Thuleleni~

2026/01157 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATMENT OF SPINAL MUSCULAR ATROPHY ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd., 9th Floor,

PHILADELPHIA 19104, PA, USA, United States of America ~72: HORDEAUX, Juliette~ 33:US ~31:63/518,796 ~32:10/08/2023;33:US ~31:63/662,509 ~32:21/06/2024

2026/01167 ~ Complete ~54:ELECTRONIC DEVICE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: JEONG WOO~ 33:KR ~31:10-2023-0095558 ~32:21/07/2023;33:KR ~31:10-2023-0152375 ~32:07/11/2023

2026/01110 ~ Provisional ~54:A SUGAR SYRUP FORMULATION AND METHOD FOR PRODUCING SAME ~71:SUPER SYRUPS PROPRIETARY LIMITED, 16 Kiepersol Crescent, Atlas Gardens, Durbanville, Cape Town 7550, SOUTH AFRICA, South Africa ~72: ENGELBRECHT, Willem Christiaan~

2026/01116 ~ Complete ~54:SNP CHIP FOR SHEEP REPRODUCTIVE AND GROWTH TRAITS ~71:NANJING AGRICULTURAL UNIVERSITY, No. 1 Weigang, People's Republic of China ~72: CHEN, Peiyong;LI, Shanglai;WANG, Feng;ZHANG, Yanli;ZHAO, Bingru~

2026/01122 ~ Complete ~54:ALL-SOLID-STATE LITHIUM BATTERY AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LI Wei~

2026/01130 ~ Complete ~54:DISCHARGE-TYPE GAS SENSOR PROBE THIN-FILM DEPOSITION DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHENG, Zhenzhen;DONG, Yanfei;HE, Guofeng;HOU, Ning;WANG, Jinpeng~

2026/01133 ~ Complete ~54:ANTI-CD161 ANTIBODIES AND USES THEREOF ~71:IMMUNITAS THERAPEUTICS, INC., 830 Winter St., 2nd Floor, Waltham, Massachusetts, 02451, United States of America ~72: ALEXANDRIA FUSCO;ALISON TISDALE;ELIZABETH SCANLON;EMILY ROSENTRATER;FRANO IRVINE;GEORGE PUNKOSDY;MICHAEL BATTLES;ULI BIALUCHA~ 33:US ~31:63/236,122 ~32:23/08/2021

2026/01137 ~ Complete ~54:SYSTEMS AND METHODS FOR REPORTING SINGLE ROUND TRIP TIME MEASUREMENTS FOR POSITIONING ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: LYAZIDI, Mohammed Yazid;SHREEVASTAV, Ritesh;ZOU, Zhenhua~ 33:US ~31:63/592,255 ~32:23/10/2023

2026/01141 ~ Complete ~54:TRIAZOLE COMPOUNDS FOR THE CONTROL OF INVERTEBRATE PESTS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: PEDRONI, Julia~ 33:EP ~31:23183895.4 ~32:06/07/2023;33:EP ~31:23183897.0 ~32:06/07/2023;33:EP ~31:24159723.6 ~32:26/02/2024

2026/01143 ~ Complete ~54:USE OF CRY GENES FOR THE CONTROL OF NEMATODE PESTS ~71:BASF AGRICULTURAL SOLUTIONS US LLC, T.W. ALEXANDER DRIVE 2, RESEARCH TRIANGLE PARK, NC 27713, USA, United States of America ~72: DAUM, Julia;MCCARVILLE, Michael~ 33:US ~31:63/512,422 ~32:07/07/2023;33:US ~31:63/520,679 ~32:21/08/2023

2026/01148 ~ Complete ~54:PORTABLE DATA ACQUISITION TERMINAL FOR DIGITAL AND INTELLIGENT TEACHING OF RURAL INDUSTRIES ~71:Ji'an College, No. 133, Ji'an South Avenue, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: Hongling Xu;Lijing Lai;Liling Liu;Wenwen Hu;Zheng Wang~

2026/01160 ~ Complete ~54:VIRAL VECTOR AND PRODUCER CELL ~71:ESOBIOTEC SA, Rue André Dumont 5, MONT-SAINT-GUIBERT 1435, BELGIUM, Belgium ~72: ABI HABIB, Joanna;DOIX, Bastien;DRAPPIER,

Melissa;FIÉVET, Alexia;GALVIS, Laura;LATERE, Jean-Pierre;PARONE, Philippe;PECENKO, Sylvia;WEBSTER, Brian;WEERENS, Laura~ 33:EP ~31:23182836.9 ~32:30/06/2023

2026/01168 ~ Complete ~54:MIXTURES OF BIXLOZONE WITH PHOTOSYSTEM I ELECTRON DIVERTERS ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: ANA PAULA MEIRELLES MENZANI;DAVID HENNENS;MURILO VILLAS BOAS BAGATTA;STEPHEN PETTENON~ 33:US ~31:63/524,603 ~32:30/06/2023

2026/01170 ~ Complete ~54:VIDEO ENCODING METHOD AND APPARATUS, VIDEO DECODING METHOD AND APPARATUS, DEVICE, SYSTEM, 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: HANG HUANG~

2026/01123 ~ Complete ~54:DISINFECTANT PREPARATION DEVICE FOR DAILY CARE IN DISINFECTION SUPPLY CENTER ~71:Shenzhen Hospital (Futian) of Guangzhou University of Chinese Medicine, No. 6001, Beihuan Avenue, Futian Dist., Shenzhen, Guangdong, People's Republic of China ~72: Aiqin Bao;Fang Yang;Jiang Jiang;Jieqian Wu;Lingxia Chen;Shuying Li;Yinqin Zhong;Yuanchun Jia;Yun Chen~

2026/01132 ~ Complete ~54:INORGANIC GROUTING SEALING MATERIAL AND PREPARATION METHOD THEREOF ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No.1 Daxue Road, Quanshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;China Nerin Engineering Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China;Jiangxi University of Science and Technology, No.86 Hongqi Avenue, Ganzhou City, Jiangxi Province, 342600, People's Republic of China ~72: DONG Bingyan;MA Dan;PU Hai;SHEN Louyan;WU Jiangyu;ZHANG Chunhu~

2026/01139 ~ Complete ~54:BLANK FOR PRODUCING A BOTTLE-LIKE OBJECT, BOTTLE-LIKE OBJECT AND METHOD FOR PRODUCING A BOTTLE-LIKE OBJECT ~71:MAYR-MELNHOF KARTON AG, Brahmsplatz 6, Austria ~72: Harman VORENKAMP;Jakob KÜHNEN~ 33:EP ~31:23189142.5 ~32:02/08/2023

2026/01142 ~ Complete ~54:BIOSTIMULANT COMPOSITION AND METHODS OF USE ~71:ACADIAN SEAPLANTS LIMITED, 30 BROWN AVENUE, DARTMOUTH NS, B3B 1X8, CANADA, Canada ~72: HAINES, Robbie, Moss;HAWKINS, Emma Louise~ 33:EP ~31:23182980.5 ~32:03/07/2023;33:EP ~31:23210386.1 ~32:16/11/2023

2026/01150 ~ Complete ~54:BALANCED DECOMPACTION EQUIPMENT ~71:FASSINI, Lauro, Rua Pio XII, 420, Brazil ~72: FASSINI, Lauro~ 33:BR ~31:1020230152457 ~32:28/07/2023

2026/01121 ~ Complete ~54:FLUORESCENCE NANOMATERIAL FOR ENHANCING DETECTION OF SULFAMETHOXAZOLE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GUO Xiang;HU Xiaoxian;LI Bang;LI Xinyu;LIU Yanwei;WANG Yingchun;WU Junfeng;ZHANG Xinhai~

2026/01131 ~ Complete ~54:STERILITY TESTING DEVICE FOR MEDICAL DEVICES ~71:Hangzhou Medical College, No. 8, Yikang Street, Lin’an Dist.,, Hangzhou, Zhejiang, People's Republic of China ~72: Dongsheng Huang;Qiuran Xu;Xiaoliang Zheng~

2026/01135 ~ Complete ~54:SOLID STATE FORMS OF GUSACITINIB ~71:LIBERTAS BIO, INC., 16 E 34th Street, New York, United States of America ~72: JING, Dingding;SHANG, Yaqi;THOMPSON, Scott Kevin;XUE, Jun;ZHANG, Qi~ 33:CN ~31:PCT/CN2023/109559 ~32:27/07/2023

2026/01145 ~ Complete ~54:ACID REGENERATION PROCESS FOR PICKLING PROCESS ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Cristina BOTAS VELASCO~ 33:IB ~31:PCT/IB2023/059018 ~32:12/09/2023

2026/01178 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF WATER GLASS REINFORCED SANDSTONE AGGREGATE ~71:CHANG'AN UNIVERSITY, Middle Part of the Second Ring South Road, People's Republic of China;SICHUAN CHUANGAO ENGINEERING TECHNOLOGY CONSULTING CO., LTD., Room B1410, 14th Floor, Sichuan Expressway Building, No.90 West Section 1 of Second Ring Road, People's Republic of China;SICHUAN ROAD & BRIDGE (GROUP) CORPORATION LTD., No. 12 Jiuxing Avenue, People's Republic of China ~72: CONG, Zhuohong;FEI, Xiyang;HUANG, Meilin;JIANG, Shuangquan;LIU, Jiayi;LIU, Jinduo;LIU, Zeyu;NIU, Maoqin;YANG, Zhimin;ZHANG, Xurong;ZHENG, Nanxiang;ZHU, Chengyun~

2026/01111 ~ Provisional ~54:A WEARABLE DEVICE AND METHOD FOR MONITORING WORKER ACTIVITY AND PROVIDING ADAPTIVE FEEDBACK ~71:GREYLING, Frederik Petrus, 5 St George Avenue, Midlands Estate, South Africa ~72: GREYLING, Frederik Petrus~

2026/01127 ~ Complete ~54:REAL-TIME SPEECH TRANSLATION DEVICE FOR FOREIGN LANGUAGES ~71:CHENGDU UNIVERSITY OF INFORMATION TECHNOLOGY, No. 24, Section 1 of Xuefu Road, People's Republic of China ~72: FENG, Deping;FENG, Ying;HANG, Yafen;LUO, Qiu;PENG, Jiayi;XIE, Ya~

2026/01114 ~ Complete ~54:FALL PROTECTION HARNESS SUSPENSION DEVICE FOR POWER MAINTENANCE ~71:Tianjin University, No. 92, Weijin Road, Nankai District, Tianjin, 300072, People's Republic of China ~72: XIAOYAN JI;YONG LIU~ 33:CN ~31:202610011497X ~32:04/01/2026

2026/01179 ~ Complete ~54:METHOD FOR PREVENTING AND CONTROLLING MIKANIA MICRANTHA BASED ON MIKANIA MICRANTHA PACHYPELTIS MICRANTHUS ~71:YUNNAN INSTITUTE OF TROPICAL CROPS, No. 99, Xuanwei Avenue, People's Republic of China ~72: GAO, Jing;KONG, Xiangdong;WANG, Jinqiang;WANG, Xiafei;XU, Liyue;YUAN, Bo;ZHANG, Yongke;ZHENG, Chengmei~

2026/01302 ~ Provisional ~54:DEMARCATION OF FOOT AND MOUTH DISEASE FREE ZONES IN SOUTH AFRICA ~71:Sipho Godfrey November, 5954 Maseti Street, South Africa ~72: Sipho Godfrey November~ 33:ZA ~31:1 ~32:02/01/2026

2026/01107 ~ Provisional ~54:SWITCHER: DUAL-FUNCTION PAYMENT CARD FOR MERCHANT AND CONSUMER TRANSACTION ~71:Steven Brian Cohen, 54 Jennifer Lane, Sunningdale, Jhb, Gauteng, 2192, South Africa ~72: Steven Brian Cohen~

2026/01109 ~ Provisional ~54:A SYSTEM AND METHOD FOR REAL-TIME CONSTRUCTION PROJECT SUPERVISION AND MONITORING ~71:PROJECT X (PTY) LTD, NO. 1 Sishwili Ulindi, South Africa ~72: NGUBANE, Hlengiwe Mbalenhle~

2026/01113 ~ Complete ~54:CAMPING TABLE WITH ADJUSTABLE PHOTOVOLTAIC POWER GENERATION ~71:XINYU UNIVERSITY (XYU), No. 2666 Sunshine Avenue, People's Republic of China ~72: CHEN, Fengying;LI, Shuigen;YI, Hongzhen~

2026/01166 ~ Complete ~54:CONSTRUCTION METHOD FOR NON-PREINSTALLED RAIL TRANSPORTATION INTERFACE AT OPERATIONAL METRO STATION ~71:CHINA CONSTRUCTION THIRD ENGINEERING BUREAU GROUP (ZHEJIANG) CO., LTD., Room 1020, Building 5, Pinggao Entrepreneurial City, Liangzhu Street, Yuhang District, Hangzhou, Zhejiang, 311100, People's Republic of China;NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS, No.29 Yudao Street, Qinhuai District, Nanjing, Jiangsu, 210016, People's Republic of China;THE THIRD CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION THIRD

ENGINEERING BUREAU, Floor 22, Office Building C, Zhongjian Fudi Center, No.268 South Luoshi Road, Hongshan District, Wuhan, Hubei, 430072, People's Republic of China ~72: CHEN, Kai;CHENG, Guo;HUANG, Yajun;KE, Rui;MA, Xiaoting;MEI, Xiaofeng;QI, Jian;SUN, Haiwei;TAO, Xu;WANG, Qiang;YOU, Pengchao;YU, Guangzhou~ 33:CN ~31:202411307069.9 ~32:19/09/2024

2026/01117 ~ Complete ~54:METHOD AND DEVICE PROVIDING THERMAL ISOLATION, ADDITIONAL RIGIDITY AND GRIP FOR A BEVERAGE CUP ~71:STARTCHIK, Sergei, rue des Paquis 36, Switzerland ~72: STARTCHIK, Sergei~ 33:CH ~31:CH000083/2025 ~32:29/01/2025

2026/01118 ~ Complete ~54:BLOOD SPLATTER COLLECTION, DIVERSION AND CLEANING DEVICE FOR HAMMERING AREA IN ORTHOPEDIC SURGERY ROOM ~71:TAIZHOU PEOPLE'S HOSPITAL, No. 366 Taihu Road, People's Republic of China ~72: CAO, Xiuhong;CUI, Lili;DOU, Hongmei;LI, Wenyan;QU, Huiwu;ZHANG, Yan~

2026/01120 ~ Complete ~54:STATISTICAL MODEL-BASED METHOD FOR ROOT ALARM ANALYSIS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CAI Yujie;CHENG Feifei;HAN Zongyuan;LI Yajie;LIU Changsheng;LIU Yuxiao;WANG Chaoyong;XU Huafeng;ZHANG Xiaoguo;ZHOU Yiming~

2026/01125 ~ Complete ~54:METAL-ORGANIC FRAMEWORK POLYPHOSPHAZENE FLAME RETARDANT, PREPARATION AND APPLICATION THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China;ZHEJIANG SHINY NEW MATERIALS CO.,LTD., Feiyun Street, Rui'an City, Zhejiang Province, People's Republic of China ~72: CHEN Pei;FENG Qiao;LIANG Banglei;QI Xuyang;WANG Jingxuan;WANG Zongtao;XIA Lingtao;XIA Xuelian;ZHU Yuanzhao~ 33:CN ~31:2025112652095 ~32:05/09/2025

2026/01138 ~ Complete ~54:CHARGING SYSTEM FOR NON-ROAD ELECTRIC VEHICLE ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: REDDY, Suresh Baddam;SELVEY, Dustin Craig;YU, Dachuan~ 33:US ~31:18/228,908 ~32:01/08/2023

2026/01149 ~ Complete ~54:DECODER-SIDE INTRA MODE DERIVATION MERGE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: BLASI, Saverio;LAINEMA, Jani;ZUPANCIC, Ivan~ 33:US ~31:63/511,779 ~32:03/07/2023

2026/01153 ~ Complete ~54:MODULATORS OF MITOCHONDRIAL DNA REPLICATION ~71:Pretzel Therapeutics, Inc., 1601 Trapelo Road, Suite 154, WALTHAM 02451, MA, USA, United States of America ~72: BOTELLA, Gabriel Martinez;CHARIFSON, Paul S.;GIROUX, Simon;GREEN, Jeremy;GRIFFIN, Andrew;MCKENZIE, Andrew~ 33:US ~31:63/526,814 ~32:14/07/2023

. - APPLIED ON 2026/01/29 -

2026/01221 ~ Provisional ~54:INVENTION OF ELECTROMECHANICAL LOCKING DEVICE WITH ACTIVE STATUS MONITORING AND ALARMING ~71:T.P. MILLARD, 171, 3rd avenue, Bredell, South Africa ~72: T.P. MILLARD~ 33:ZA ~31:21/00 ~32:28/01/2026;33:ZA ~31:45/00 ~32:28/01/2026;33:ZA ~31:9/00 ~32:28/01/2026

2026/01190 ~ Complete ~54:REHABILITATION ASSESSMENT SYSTEM FOR CRITICALLY ILL PATIENTS BASED ON ARTIFICIAL INTELLIGENCE ~71:THE FIRST AFFILIATED HOSPITAL OF KUNMING MEDICAL UNIVERSITY (Yunnan Provincial Dermatology Hospital), No. 295, Xichang Road, Wuhua Dist., Kunming, Yunnan, People's Republic of China ~72: Haiyan Zhao;Jiahong Qin;Jilin Yang;Rong Liu;Ting Li;Yijie Wang~

2026/01199 ~ Complete ~54:UPADACITINIB FOR TREATING ALOPECIA AREATA ~71:AbbVie Inc., 1 North Waukegan Road, NORTH CHICAGO 60064, IL, USA, United States of America ~72: CHIRICOZZI, Andrea~ 33:US ~31:63/531,443 ~32:08/08/2023

2026/01204 ~ Complete ~54:A DECOY ~71:LEONARDO UK LTD, 1 Eagle Place, St. James's, LONDON SW1Y 6AF, UNITED KINGDOM, United Kingdom ~72: SCANNELL, Brian~ 33:GB ~31:2312062.9 ~32:07/08/2023

2026/01210 ~ Complete ~54:THERAPY FOR ALPHA-1 ANTITRYPSIN DEFICIENCY ~71:PRECIGEN, INC., 20358 Seneca Meadows Parkway, Germantown, Maryland, 20876, United States of America ~72: CHERYL G BOLINGER;DOUGLAS E BROUGH~ 33:US ~31:63/512,773 ~32:10/07/2023

2026/01212 ~ Complete ~54:SYSTEMS AND METHODS FOR PROVIDING A MODULAR GROW TOWER ~71:TAVACI TECHNOLOGIES LLC, 4256 Alpine Cove Dr, Alpine, Utah, 84004, United States of America ~72: JOHNDAVID TUELLER;RYAN JOSEPH CRAWFORD;SEAN R PETERSON;TODD GARRETT TUELLER~ 33:US ~31:63/512,129 ~32:06/07/2023

2026/01181 ~ Complete ~54:MULTI-SENSOR DATA FUSION AND ABNORMAL STATE EARLY WARNING METHOD FOR ACUPUNCTURE AND TUINA ~71:Nanjing University of Chinese Medicine, No. 138 Xianlin Avenue, Xianlin Street, Qixia District, Nanjing City, Jiangsu Province, 210000, People's Republic of China ~72: Jinbo WANG;Tao WANG;Xiaohan ZHANG;Zheng WU~

2026/01192 ~ Complete ~54:METHOD FOR IMPROVING CALLUS INDUCTION RATE OF LEYMUS CHINENSIS (TRIN.) TZVEL. ANTHER CULTURE ~71:Northeast Institute of Geography and Agroecology,Chinese Academy of Sciences, No. 4888 Shengbei Street, Gaoxin North District, Changchun City, Jilin Province, 130102, People's Republic of China ~72: Li Jingpeng;Ma Hongyuan;Sun Mengdan;Wu Zinian;Zhang Yarong~ 33:CN ~31:2025119885749 ~32:26/12/2025

2026/01211 ~ Complete ~54:METHOD FOR PREPARING ORELABRUTINIB, AND INTERMEDIATE COMPOUND THEREOF ~71:BEIJING INNOCARE PHARMA TECH CO., LTD., Bldg. 8, Community No. 1, No. 8 Courtyard, Life Park Road, ZGC Life Science Park, Changping District, Beijing, 102206, People's Republic of China ~72: WEILIN JIAN;XIANGYANG CHEN;ZHENGGUO JIANG~ 33:CN ~31:202310952107.5 ~32:31/07/2023

2026/01189 ~ Complete ~54:INTELLIGENT ADAPTIVE ASSESSMENT DEVICE FOR CROSS-CULTURAL COMMUNICATION COMPETENCE IN INTERNATIONAL CHINESE EDUCATION ~71:Nanjing University of Chinese Medicine, No. 138, Xianlin Avenue, Qixia Dist., Nanjing City, Jiangsu Province, People's Republic of China ~72: Jia Tang;Yue Zhao~

2026/01198 ~ Complete ~54:6-(6-(((1 R,2R,3S,5S)-2-FLUORO-9-AZABICYCLO[3.3.1]NONAN-3-YL)(METHYL)AMINO)PYRIDA ZIN-3- YL)-2- METHYLBENZO[D]OXAZOL-5-OL AS A SPLICING MODULATOR FOR THE TREATMENT OF NEUROLOGICAL DISEASES ~71:Skyhawk Therapeutics, Inc., 180 3rd Avenue, Fifth Floor, WALTHAM 02451, MA, USA, United States of America ~72: LUCAS, Brian;LUZZIO, Michael~ 33:US ~31:63/511,248 ~32:30/06/2023

2026/01202 ~ Complete ~54:MEANS AND METHODS FOR REDUCING ESTROGENIC EFFECT OF XENOESTROGEN ~71:DSM IP Assets B.V., Wilhelminasingel 39, MAASTRICHT 6221 BE , THE NETHERLANDS, Netherlands ~72: GRGIC, Dino;MARKO, Doris;NOVAK, Barbara Katharina;VARGA, Elisabeth~ 33:EP ~31:23191838.4 ~32:17/08/2023

2026/01217 ~ Complete ~54:WOUND DRESSINGS ~71:MINTEK, 200 Malibongwe Drive, Randburg, JOHANNESBURG 2194, Gauteng Province, SOUTH AFRICA, South Africa;UNIVERSITY OF THE

WITWATERSRAND, JOHANNESBURG, 1 Jan Smuts Avenue, BRAAMFONTEIN, Johannesburg 2001, Gauteng, SOUTH AFRICA, South Africa ~72: JENGELE-TETYANA, Zikhona;MENTE, Pumza;MLAMBO, Mbuso;MOFOKENG, Thapelo;MOLOTO, Nosipho;NDALA, Zakhele;NKABINDE, Siyabonga Sipho;SHUMBULA, Ndivhuwo;TETYANA, Phumlani~ 33:ZA ~31:2023/06710 ~32:30/06/2023

2026/01358 ~ Provisional ~54:AFRICA AIRWAY/ MISSGA (MINIMALLY INVASIVE SUPRAGLOTTIC AIRWAY) ~71:AHMED RIDWAN ADEBAYO, 19 GOMPOU STREET, South Africa ~72: DR. AHMED RIDWAN ADEBAYO~

2026/01186 ~ Complete ~54:METHOD AND SYSTEM FOR MONITORING CROP GROWTH BASED ON SIF TEMPORAL DYNAMIC FEATURE FUSION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: CHEN Lianjun;GAO Songfeng;LI Shan;LIU Zhan;QU Qianlong;YANG Yun;ZHANG Xiuchun;ZHOU Yushi~

2026/01197 ~ Complete ~54:KRAS INHIBITORS ~71:Bristol-Myers Squibb Company, Rte. 206 & Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: BALIGAR, Vishweshwaraiah;BANERJEE, Moloy;CHATTOPADHYAY, Amit Kumar;DHAR, T. G. Murali;FINK, Brian Edward;LAKKARAJU, Sirish Kaushik;NANDA, Laxmi Narayan;PALKOWITZ, Maximilian David;PANDA, Manoranjan;SESHADRI, Balaji;SHIRUDE, Pravin S.;SUN, Li-Qiang;ZHENG, Zhizhen Barbara~ 33:US ~31:63/511,455 ~32:30/06/2023;33:US ~31:63/588,239 ~32:05/10/2023;33:US ~31:63/551,905 ~32:09/02/2024;33:US ~31:63/655,965 ~32:04/06/2024

2026/01177 ~ Provisional ~54:A LIGHT EMITTING DIODE APPARATUS AND ASSEMBLY ~71:ARON MARC BUDIN, 21 Raebor Road, Benrose, Johannesburg, 2094, South Africa ~72: Aron Marc Budin;Bruno Rodrigues;Howard Hersh Page;Mark Vigus-Brown~

2026/01183 ~ Complete ~54:FIXED TYPE DUAL-POSITION DUAL-PRESSURE PLATE AUTOMATIC LUBRICATION PLUG VALVE ~71:Weidouli Valves Co.,Ltd., No. 20 Xingyu Road, Konggang New District, Wenzhou City, Zhejiang Province, 325025, People's Republic of China ~72: LI Yingcheng;WANG Sanxi;WANG Xuefeng;WANG Zhongjie;XIA Chongmao;XU Gang;ZHANG Buhuan;ZHENG Shoumiao~

2026/01200 ~ Complete ~54:ADDITIVE METAL RIFLE SYSTEMS AND MANUFACTURING METHODS ~71:SAABR LLC, 145 E. Columbine Ave., SANTA ANA 92707, CA, USA, United States of America ~72: JARBOE, Michael Brent;RENICK, JR., James Phillip~ 33:US ~31:63/524,571 ~32:30/06/2023

2026/01206 ~ Complete ~54:COCRYSTAL OF AN IDH1 INHIBITOR, PROCESS OF PREPARATION THEREOF, PHARMACEUTICAL COMPOSITIONS THEREOF, AND METHODS OF TREATMENT INVOLVING THE SAME ~71:LES LABORATOIRES SERVIER, 35 rue de Verdun, SURESNES CEDEX 92284, FRANCE, France ~72: COINTEPAS, Patrick;ESCOLIVET, Vincent;LEBLANC, Nicolas;VIEL, Quentin~ 33:EP ~31:23306322.1 ~32:01/08/2023

2026/01214 ~ Complete ~54:TOPICAL AGENT FOR ONYCHOMYCOSIS ~71:ISHIHARA SANGYO KAISHA, LTD., 3-15, Edobori, 1-Chome Nishi-Ku, Osaka-Shi, Osaka, 5500002, Japan ~72: TAKAHARU YAGI;YUTAKA ISHIBASHI~ 33:JP ~31:2023-125977 ~32:02/08/2023

2026/01175 ~ Provisional ~54:SYSTEM AND METHOD FOR NETWORK-INDEPENDENT ATOMIC SETTLEMENT (NIAS) UTILIZING LATTICE-BASED IDENTITY VERIFICATION AND TRANSFORMER-DRIVEN FRAUD DETECTION. ~71:Khotso Molapi, 3301 Levubu Street, South Africa ~72: Khotso Molapi~

2026/01176 ~ Provisional ~54:A METHOD AND SYSTEM OF MONITORING AN OBJECT ~71:MATTHEW, Wesley, 660 AIRPORT ROAD, UNIT 16 SOETDORINGPARK, South Africa ~72: MATTHEW, Wesley~

2026/01191 ~ Complete ~54:ATMOSPHERIC POLLUTION PRECIPITATION SAMPLING AND DETECTION DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DUAN Pengyuan;HE Yang;LI Jiebing;MAO Wendi;PANG Dandan;WANG Gang~

2026/01193 ~ Complete ~54:A THERMAL FIELD EQUILIBRIUM CONTROL DEVICE FOR ADDITIVE MANUFACTURING ~71:Suzhou University, No.1769 Xuefu Avenue, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: LI Hengzheng;LI Zhen;SHAN Xiuyang;YIN Zixin;ZHANG Lifeng~

2026/01207 ~ Complete ~54:MACROCYCLES FOR THE TREATMENT OF AUTOIMMUNE DISEASE ~71:F. HOFFMANN-LA ROCHE AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: KOU, Buyu;LIU, Haixia;SHEN, Hong;WU, Yao;ZHANG, Zhiwei;ZHU, Wei~ 33:IB ~31:2023/121652 ~32:26/09/2023;33:IB ~31:2023/133666 ~32:23/11/2023;33:IB ~31:2024/073269 ~32:19/01/2024;33:IB ~31:2024/084459 ~32:28/03/2024;33:IB ~31:2024/106536 ~32:19/07/2024

2026/01216 ~ Complete ~54:QUADRATIC BUCK-BOOST CONVERTER WITH VOLTAGE MULTIPLICATION ~71:WEINAN NORMAL UNIVERSITY, Middle Section Of Chaoyang Street, Weinan, People's Republic of China ~72: ZHU, Gaozhong~

2026/01184 ~ Complete ~54:POSITIONING DEVICE FOR URBAN PLANNING TERRAIN SURVEYING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN Zhanyang;GU Xiaoyong;WANG Dayong;WANG Yuantao;ZHANG Huiping;ZHANG Liming;ZHANG Yongcun~

2026/01195 ~ Complete ~54:LAYER STRUCTURE CONTAINING THERMOCHROMIC OR PH-SENSITIVE SUBSTANCES ~71:TANNPAPIER GMBH, Fabrikstraße 48a, 4050, Austria ~72: KNAUSEDER, Bernhard;LINDNER, Michael~ 33:AT ~31:A50579/2023 ~32:19/07/2023

2026/01208 ~ Complete ~54:A CONTROL SYSTEM FOR CONTROLLING A WATERFLOW FOR AN AUTONOMOUS DRILLING MACHINE ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: GUSTAV MÖRTZELL~

2026/01215 ~ Complete ~54:REACTOR MODULE ~71:CATALSYS LIMITED, 37 The Grove, Hartlepool, TS26 9LZ, United Kingdom ~72: PETER GRAY~ 33:GB ~31:2310076.1 ~32:30/06/2023

2026/01173 ~ Provisional ~54:IMPROVED THERMAL MANAGEMENT IN UNDERGROUND ENVIRONMENTS ~71:DE VAAL, Michael Hamman, 18A Brunswick Road, Tamboerskloof, South Africa ~72: DE VAAL, Michael Hamman;VAN DER MERWE, Niël~

2026/01172 ~ Provisional ~54:LICENSE DISC PERFORATOR ~71:Menzikhaya Zulu, 252 Montrose Avenue, Northgate, South Africa;Sibonelo Mnisi, 279 SHABALALA, South Africa ~72: Menzikhaya Zulu;Sibonelo Mnisi~

2026/01180 ~ Complete ~54:CORPORATE CREDIT RATING DATA COLLECTION AND ANALYSIS DEVICE ~71:Jialing Peng, Group 15, Yuquan Village, Qidong County, Hengyang City, Hunan Province, People's Republic of China ~72: Jialing Peng~

2026/01187 ~ Complete ~54:WEAK-SOLVATION ELECTROLYTE FOR LITHIUM METAL BATTERY CONTAINING ADDITIVE, PREPARATION METHOD AND USE THEREOF ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 68 Wenchang Road, No. 121 Street, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: DONG Peng;FAN Yi;MENG Qi;SHEN Yun;SONG Jirui;ZHANG Yiming~

2026/01194 ~ Complete ~54:INTELLIGENT MUSICAL KEYBOARD MODULE ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: RADEMAN, Marco;VENTER, Mike;WOLMARANS, Wikus~ 33:ZA ~31:2025/00992 ~32:30/01/2025

2026/01209 ~ Complete ~54:A PERSONAL CLEANSING TABLET ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DEV RAJ;MANISHA PRASHANT KHARKAR;SASWATI PUJARI;SWATHI SRINIVASAN~ 33:EP ~31:23189355.3 ~32:03/08/2023

2026/01213 ~ Complete ~54:ANTI-HUMAN CACNG1 ANTIBODY-DRUG CONJUGATES AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591-6707, United States of America ~72: AMY HAN;ANDREW J MURPHY;MICHAEL STEC;SANDRA KLEINER;TREVOR STITT~ 33:US ~31:63/512,814 ~32:10/07/2023

2026/01182 ~ Complete ~54:TABLE TENNIS TRAINING APPARATUS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LI Che;LI Yixiao~

2026/01185 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF WATER GLASS REINFORCED SANDSTONE AGGREGATE ~71:CHANG'AN UNIVERSITY, Middle Part of the Second Ring South Road, People's Republic of China;SICHUAN CHUANGAO ENGINEERING TECHNOLOGY CONSULTING CO., LTD., Room B1410, 14th Floor, Sichuan Expressway Building, No.90 West Section 1 of Second Ring Road, People's Republic of China;SICHUAN ROAD & BRIDGE (GROUP) CORPORATION LTD., No. 12 Jiuxing Avenue, People's Republic of China ~72: CONG, Zhuohong;FEI, Xiyang;HUANG, Meilin;JIANG, Shuangquan;LIU, Jiayi;LIU, Jinduo;LIU, Zeyu;NIU, Maoqin;YANG, Zhimin;ZHANG, Xurong;ZHENG, Nanxiang;ZHU, Chengyun~

2026/01203 ~ Complete ~54:ACIDIC POLYMER COMPOSITIONS AND METHODS OF USE THEREOF ~71:NEXEOS DIAGNOSTICS, INC., P.O. Box 1209, POTTSTOWN 19464 , PA, USA, United States of America ~72: CUTLER, Evan;GLEICH, Gerald J.~ 33:US ~31:63/517,723 ~32:04/08/2023

2026/01218 ~ Complete ~54:METHOD FOR REMOVAL OF HEAVY METALS CONTAINED IN PHOSPHORIC ACID SOLUTIONS ~71:UNIVERSITE MOHAMMED VI POLYTECHNIQUE, Lot 660 Hay Moulay Rachid, Morocco ~72: BENHIDA, Rachid;KHALESS, Khaoula;SRAIDI, Anasse~ 33:FR ~31:FR2307482 ~32:12/07/2023

2026/01219 ~ Provisional ~54:THE "SIMON" MUTLI-PURPOSE PORTABLE DARTBOARD STAND ~71:NOLAN MAURINE ARENDSE ID NO 6812165240088, 9 AAROW AVENUE, LOTUS RIVER,, South Africa ~72: NOLAN MAURICE ARENDSE ID NO 6812165240088~

2026/01188 ~ Complete ~54:SENSOR REAL-TIME DATA-DRIVEN PARAMETER IDENTIFICATION METHOD FOR FORCE SERVO HYDRAULIC PRESS CONTROL SYSTEM ~71:Chaohu University, No. 1, Bantang Road, Chaohu Economic Development Zone, Hefei City, Anhui Province, People's Republic of China ~72: Ao Yang;Fei Chen;Luyao Zhang;Mingjian Zhou;Zheng Zhang;Zhijie Li~

2026/01196 ~ Complete ~54:PHARMACEUTICAL COMPOSITION CONTAINING SUBSTITUTED INDOL-5-OL DERIVATIVE AND USE THEREOF ~71:CHANGSHAN CONJUCHEM BIOPHARMACEUTICAL RESEARCH AND DEVELOPMENT (HEBEI)., LTD, No. 71, Menglong Street, South District of Zhengding High-tech Industrial Development Zone, People's Republic of China ~72: DONG, Linlin;LIU, Fengjie;LIU, Xiaohui;MA, Chaohui;QIE, Zhenggang;SUN, Xiaocui;SUN, Yungai;TIAN, Yingtao;WANG, Fei;WANG, Yan;XU, Geng;YAN, Yunxia;ZHANG, Zhe~ 33:CN ~31:202310973263.X ~32:03/08/2023

2026/01201 ~ Complete ~54:MICRONIZED CRYSTALLINE HYDROCHLORIDE SALTS OF ANTIVIRAL HELICASE-PRIMASE INHIBITOR COMPOUNDS ~71:Innovative Molecules GmbH, Lipowsky Str. 10, MÜNCHEN

81373, GERMANY, Germany ~72: GEGE, Christian;KLEYMANN, Gerald~ 33:EP ~31:23185927.3 ~32:17/07/2023

2026/01205 ~ Complete ~54:ZYGOTE-PREFERRED EXPRESSION ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GREEN, Julie Leonard;JIN, Huaibing;KELLIHER, Timothy;LIANG, Dawei;SHI, Wan;WEI, Juan~ 33:IB ~31:2023/110941 ~32:03/08/2023

2026/01174 ~ Provisional ~54:PORTABLE CORDLESS EGG FRYING APPARATUS WITH RECHARGEABLE POWER SUPPLY ~71:Norman Dilley, 1081 Spoonwood Street, South Africa ~72: Norman Dilley~

. - APPLIED ON 2026/01/30 -

2026/01242 ~ Complete ~54:LOWER LIMB PRECISION FIXATION DEVICE FOR RADIOTHERAPY ~71:The First Affiliated Hospital of Henan Medical University, No.88,Jiankang Road, Weihui City, Xinxiang City, Henan Province, 453100, People's Republic of China ~72: PANG Kehua;SHI Liangliang;TANG Yitian;WANG Xiaoyin;WANG Yihan;XU Liuyang;YANG Jun~

2026/01244 ~ Complete ~54:LOW-PROTEIN TYPE RED DATE-CITRUS PEEL-ASTRAGALUS COMPOUND FEED AND ITS APPLICATION ~71:Shanxi Agricultural University, No. 1, Mingxian South Road, Taigu District, Jinzhong, Shanxi Province, 030801, People's Republic of China ~72: Zhao Yan~

2026/01249 ~ Complete ~54:LFP LITHIUM-ION SECONDARY BATTERY SYSTEM SOC ESTIMATION DEVICE AND METHOD THEREOF ~71:Hyosung Heavy Industries Corporation, 119, Mapo-daero, Mapo-gu, SEOUL 04144, REPUBLIC OF KOREA, Republic of Korea ~72: BANG, Sung Eun;PARK, Sang Hui~ 33:KR ~31:10-2025-0115801 ~32:20/08/2025

2026/01229 ~ Provisional ~54:FOOD COMPOSITION ~71:SEFAKO MAKGATHO HEALTH SCIENCES UNIVERSITY, Molotlegi Street, Ga-Rankuwa, Gauteng, 0204, South Africa ~72: BWALYA ANGEL WITIKA~

2026/01230 ~ Provisional ~54:VERIFIED CALLS & VERIFIED SMS: SIM/EUICC ORIGIN ATTESTATION WITH STAPLED STATUS RECEIPTS (SSR) AND DETERMINISTIC OFFLINE VERIFICATION ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01225 ~ Provisional ~54:A SYSTEM AND METHOD FOR UTILISING USER DATA TO PROVIDE USER-SPECIFIC PRODUCTS AND SERVICES ~71:MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED, 216 - 14th Avenue, Fairland, South Africa ~72: EKEJI, Chika;MABOKELA, Thabiso;MATOVU, Anthony;MUSLIM, Muhammad Yaseen;OLAGESIN, Mabel;SMITH, Aletta Sussanna Magrieta~

2026/01226 ~ Provisional ~54:A SYSTEM AND METHOD FOR DETECTING PASSAGE OF AN OBJECT THROUGH A SENSING APPARATUS ~71:MAXS LEAGUE (PTY) LTD, 13 Hudson Street, De Waterkant, South Africa ~72: LOUBSER, Wilhelmus Hendrikus~

2026/01243 ~ Complete ~54:DEVICE AND METHOD FOR MODULATION DOMAIN DETECTION BASED ON CONSTELLATION DIAGRAM CLUSTERING ~71:Radiosky (Shanghai) Communication Technology Co., Ltd, Building 13,Lane 258,Yuanxin Road, Baoshan District, Shanghai, 200444, People's Republic of China;Shanghai Polytechnic University, No.2360,Jinhai Road, Pudong New Area, Shanghai, 201209, People's Republic of China ~72: SHI Yeqing;ZHANG Yu;ZUO Jiancun~

2026/01250 ~ Complete ~54:APPARATUS FOR MANAGING BATTERY HISTORY AND METHOD THEREOF ~71:Hyosung Heavy Industries Corporation, 119, Mapo-daero, Mapo-gu, SEOUL 04144, REPUBLIC OF KOREA, Republic of Korea ~72: BANG, Sung Eun;JU, Chang Yong;KWON, Han Yong~ 33:KR ~31:10-2025-0100168 ~32:24/07/2025

2026/01251 ~ Complete ~54:SURFACE LIQUID REMOVAL DEVICE ~71:DU PLESSIS, Andre August, 7 Harry Smith Street, Dan Pienaar, BLOEMFONTEIN 9301, Free State Province, SOUTH AFRICA, South Africa;JOOSTE, Frans, 8 Lady Smith Street, Dan Pienaar, BLOEMFONTEIN 9301, Free State Province, SOUTH AFRICA, South Africa ~72: DU PLESSIS, Andre August;JOOSTE, Frans~

2026/01261 ~ Complete ~54:SMART AI-POWERED TELESCOPIC BETEL LEAF PLUCKER ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: HARSHA KAMAL SUMATHI;KIRUTHIKA SUNDARAMOORTHI;SANGEETHA JENGAMANAICKER;SUGANYA SELLAPPAN;YOGAPRIYA BALAKRISHNAN~

2026/01266 ~ Complete ~54:A NON-INVASIVE TECHNIQUE BASED INFANTHEALTH MONITORING SYSTEM ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Dr. Karthikeyan Kaliappan;Sri Harshitha Kalimuthu Suresh;Sri Mayavikashini Balakrishnan;Subhiksha Elangovan;Suchita Parthipan Neelambal~

2026/01273 ~ Complete ~54:COGNITIVE COMMUNICATION FRAMEWORK FOR COMA PATIENTS USING AI AND BLOCKCHAIN ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Dr. KAYATHRI THANGGAM LAKSHMI;JAYALAKSHMI GOVINDAN;JAYASREE MURUGESAN;JEEVIKA RAMESH;JEEVITHASRI RAMESH~

2026/01291 ~ Complete ~54:[^{177}LUI LUTETIUM-PSMA I&T COMPOSITION AND DOSIMETRY, KIT, METHOD OF MAKING, AND METHODOF USING THEREOF ~71:CURIUM US LLC, 111 Westport Plaza, Suite 800, ST. LOUIS 63146, MO, USA, United States of America ~72: CASCIOLA, Allan;DONOVAN, Amanda;JALOMÄKI, Jarno;SALEM, Jessica;SEPPÄNEN, Salla;VAUGHN, Anthony~ 33:US ~31:63/529,986 ~32:31/07/2023;33:US ~31:63/620,262 ~32:12/01/2024;33:US ~31:63/626,839 ~32:30/01/2024;33:US ~31:63/671,625 ~32:15/07/2024;33:US ~31:63/671,633 ~32:15/07/2024;33:US ~31:63/677,137 ~32:30/07/2024;33:US ~31:63/677,276 ~32:30/07/2024

2026/01293 ~ Complete ~54:SINGLE PIECE ACTUATOR WITH SLIDER LOCK ~71:Precision Valve Corporation, 5711 Old Buncombe Road, GREENVILLE 29609, SC, USA, United States of America ~72: BRETT, Matthew;FORE, John B.;HEETFELD, Rainer~ 33:US ~31:63/516,679 ~32:31/07/2023

2026/01246 ~ Complete ~54:DEVICE FOR ESTIMATING SOC USING 3-STAGE AND METHOD THEREOF ~71:Hyosung Heavy Industries Corporation, 119, Mapo-daero, Mapo-gu, SEOUL 04144, REPUBLIC OF KOREA, Republic of Korea ~72: BANG, Sung Eun;JU, Chang Yong;KWON, Han Yong~ 33:KR ~31:10-2025-0100158 ~32:24/07/2025

2026/01257 ~ Complete ~54:METHOD FOR OPTIMIZING LOW-ILLUMINATION IMAGES ON EXPRESSWAYS ~71:Niu Bingqing, No. 1803, Unit 2, Building 5, Shouguo Fengshangguan East District, Longcheng South Street, Xiaodian District, Taiyuan City, Shanxi Province, People's Republic of China;Wu Hongtao, No. 79, Xuefu Street, Xiaodian District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Gao Haosen;Liang Jiaqi;Liu Xiaoya;Ma Rongxin;Meng Ying;Niu Bingqing;Shen Jinkun;Shi Xiaoke;Wang Zhujun;Wu Hongtao;Yuan Zheng;Zhang Xiong~

2026/01260 ~ Complete ~54:A METHOD FOR PRODUCING CARBON-SEQUESTERING CONSTRUCTION BRICKS ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: SIVARANJANI SUBRAMANIAM;SONIPREETHI SURESH;SUBASRI KRISHNASAMY;SUBIKSHA THIRUCHELVAN;VIBUL SUBRAMANI;VISHAL SENTHIL~

2026/01262 ~ Complete ~54:A SMART PLASMA PATCH SYSTEM FOR WOUND HEALING ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113,

India ~72: SHAHIDH RAHMAN HABEEBU RAHMAN;SIVARANJANI SUBRAMANIAM;SONIPREETHI SURESH;SRIRAM SURESH;SUBASRI KRISHNASAMY;SUBIKSHA THIRUCHELVAN;VISHAL SENTHIL~

2026/01264 ~ Complete ~54:SMART WASTE COLLECTION AND SORTING MACHINE ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Indhuja Kandhasamy;Kavipriya Suresh;Krishnamoorthi Subramani;Priyadharshini Subramanian;Varsaa Vihasini Subbrayan Boopathi~

2026/01265 ~ Complete ~54:A PORTABLE PPG FOOT SCANNER FOR EARLY PAD AND DIABETES FOOT DETECTION ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Saranya Muthusamy;Sobhika Sasikumar;Sowmiya Selvaraj;Sree Sudharshana Radha Krishnan~

2026/01276 ~ Complete ~54:A CONTACT LENS SENSOR SYSTEM FOR REAL-TIME INTRAOCULAR PRESSURE MONITORING ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: CHARAN RAVICHANDRAN;Dr. JEYAKUMAR PITCHAIKANI;RANJITHKUMAR RANGAGOPAL;SARAVANAN CHANDRASEKAREN;SELVAKUMARAN KUNJAMMAL SHANMUGAM;SENTHILBALAJI MANIKKAM;SHIYAMHASAN SOUNTZA;SOWNDHAAR VELUR RAMESH~

2026/01286 ~ Complete ~54:A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;GALATI, Rosa;GRISHCHENKO, Andrei~ 33:GB ~31:2311832.6 ~32:01/08/2023

2026/01300 ~ Complete ~54:WASTE HEAT INTEGRATION INTO PUMPED THERMAL ENERGY STORAGE ~71:SUPERCRITICAL STORAGE COMPANY, INC., 365 Water Street, Akron, Ohio, 44308, United States of America ~72: JASON A MALLINAK;JASON D MILLER;TIMOTHY J HELD~ 33:US ~31:63/443,775 ~32:07/02/2023;33:US ~31:18/433,722 ~32:06/02/2024

2026/01296 ~ Complete ~54:IMPROVED PROCESS FOR THE SMELTING REDUCTION OF IRON ORES ~71:KT TECH S.P.A., Via di Vannina, 88/94, ROMA 00156, ITALY, Italy ~72: BARBETTI, Francesco;BASINI, Luca Eugenio Riccardo~

2026/01297 ~ Complete ~54:[^{177}LU] LUTETIUM-PSMA I&T COMPOSITION AND DOSIMETRY, KIT, METHOD OF MAKING, AND METHOD OF USING THEREOF ~71:CURIUM US LLC, 111 Westport Plaza, Suite 800, ST. LOUIS 63146, MO, USA, United States of America ~72: CASCIOLA, Allan;DONOVAN, Amanda;JALOMÄKI, Jarno;SALEM, Jessica;SEPPÄNEN, Salla;VAUGHN, Anthony~ 33:US ~31:63/529,986 ~32:31/07/2023;33:US ~31:63/620,262 ~32:12/01/2024;33:US ~31:63/626,839 ~32:30/01/2024;33:US ~31:63/671,625 ~32:15/07/2024;33:US ~31:63/671,633 ~32:15/07/2024;33:US ~31:63/677,137 ~32:30/07/2024;33:US ~31:63/677,276 ~32:30/07/2024

2026/01299 ~ Complete ~54:A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;GALATI, Rosa;GRISHCHENKO, Andrei~ 33:GB ~31:2311830.0 ~32:01/08/2023

2026/01228 ~ Provisional ~54:SHOWER POUCH AND TOILETRY BAG INCLUDING SAME ~71:JORDAAN, Jean-Pierre Louis, 7 MONACO, 158 ALBERTYN STREET, KYALAMI HILLS EXT.4, South Africa ~72: JORDAAN, Jean-Pierre Louis~

2026/01240 ~ Complete ~54:AI-EMPOWERED COURSE CONTENT AND NOVEL TEXTBOOK REFORM METHOD ~71:Yangjiang Polytechnic, No.213, Dongshan Road, Jiangcheng Dist., Yangjiang City, Guangdong Province, People's Republic of China ~72: Jianying Qiu;Jinjun Liu;Lingbo Ye;Mingwan Luo;Yiqiong Liang~

2026/01241 ~ Complete ~54:SHARPS SAFETY ~71:DU PLOOY, Johann, 7 Bluff Way, Mindarie, Australia ~72: DU PLOOY, Johann~ 33:ZA ~31:2025/01084 ~32:04/02/2025

2026/01237 ~ Complete ~54:STRETCHING AUXILIARY DEVICE FOR SPORTS ~71:Chaohu University, No.1, Bantang Road, Chaohu Economic Development Zone, Hefei City, Anhui Province, 238024, People's Republic of China ~72: Lijuan SONG;Xiang ZHONG~

2026/01252 ~ Complete ~54:METHOD FOR VIRAL INACTIVATION ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: ANDREW BARMASSE;JOHN MATTILA;MARK CHIBOROSKI~ 33:US ~31:62/881,692 ~32:01/08/2019

2026/01267 ~ Complete ~54:WOMEN'S SANITATION IN PUBLIC TOILETS ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: KIRUTHIKA SUNDARAMOORTHI;SINDHUJA KALAISELVI LOGANATHAN;SUVATHIKA PANDIAN;TRINITA ARUL DOSS;UDHAY NITHI DHANAPAL~

2026/01278 ~ Complete ~54:A WASTEWATER MANAGEMENT SYSTEM ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: SIVARANJANI SUBRAMANIAM;THARUNIKHA ANNADURAI;THAYA SRI VELMURUGAN;TRISA PONNUSAMY;VIJAYA SHREE RENGARAJ~

2026/01279 ~ Complete ~54:A VIBRATORY SCREENING MACHINE AND AN EXCITER MODULE ~71:WEIR MINERALS AUSTRALIA LIMITED, 1 Marden Street, Australia ~72: ELLIOTT, Anthony James;ONG, Eng Keong Gordon;WALKER, Mathew Cameron~ 33:AU ~31:2023902802 ~32:31/08/2023

2026/01235 ~ Provisional ~54:ISSUER-OF-ISSUERS GOVERNANCE FOR POLICY-VERSION-BOUND DELEGATION, ACCREDITATION, AND REVOCATION/SUPERSESSION PROPAGATION IN GOVERNED ARTEFACT ECOSYSTEMS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01236 ~ Complete ~54:A VIRTUAL SIMULATION SYSTEM AND METHOD FOR MEDICAL ULTRASOUND OPERATION TRAINING ~71:South China University of Technology, No. 381 Wushan Road, Tianhe District, Guangzhou, Guangdong, 510641, People's Republic of China ~72: Dong Shuda;Liu Suqi;Wang Heng;Zhang Xinlei~

2026/01238 ~ Complete ~54:BOTNET DETECTION METHOD BASED ON NETWORK TRAFFIC MICRO-TEMPORAL BEHAVIOR ANALYSIS ~71:KEYI COLLEGE OF ZHEJIANG SCI-TECH UNIVERSITY, No. 58, Kangyang Avenue, Hangzhou Bay Shangyu Economic and Technological Development Zone, Shangyu District, Shaoxing City, Zhejiang Province, 312369, People's Republic of China ~72: LIN Yongxing~

2026/01239 ~ Complete ~54:FLAME-RETARDANT MATERIAL FOR NEW ENERGY VEHICLE POWER BATTERIES AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China;ZHEJIANG SHINY NEW MATERIALS CO.,LTD., Feiyun Street, Rui'an City, Zhejiang Province, People's Republic of China ~72: CHEN Xiaopeng;FENG Qiao;LIANG Banglei;WANG Kaitong;WANG Xinyi;WANG Zongtao;XIA Lingtao;XIA Xuelian;YAN Haoxuan;ZHU Yuanzhao~

2026/01247 ~ Complete ~54:APPARATUS FOR RESCALING SOC AND LOW VOLTAGE PROTECTION THRESHOLD BASED ON BATTERY SOH AND METHOD THEREOF ~71:Hyosung Heavy Industries Corporation, 119, Mapo-daero, Mapo-gu, SEOUL 04144, REPUBLIC OF KOREA, Republic of Korea ~72: BANG, Sung Eun;JU, Chang Yong;KWON, Han Yong~ 33:KR ~31:10-2025-0100164 ~32:24/07/2025

2026/01256 ~ Complete ~54:A SYSTEM AND METHOD FOR SCALABLE INTRUSION DETECTION AND PREVENTION ~71:Prof. (Dr.) Vinaye Armoogum, Morc Maroma, Sodnac, Quatre Bornes, Mauritius ~72: Prof. (Dr.) Vinaye Armoogum~

2026/01280 ~ Complete ~54:FIRING SEALING APPARATUS FOR FILAMENT LAMP BULB ~71:JIANGXI KLITE LIGHTING CO., LTD, Chiwu Park, Zhizao Town, Economic Development Area, Ruichang, Jiujiang, Jiangxi, 332200, People's Republic of China ~72: GE, Wenjia;JI, Yilan;JIANG, Songhe;LUO, Si;SHEN, Yanwei~ 33:CN ~31:202411805689.5 ~32:10/12/2024

2026/01282 ~ Complete ~54:CATALYTIC CRACKING CATALYST, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:PETROCHINA COMPANY LIMITED, 9 Dongzhimen North Street, Dongcheng District, People's Republic of China ~72: CAO, Gengzhen;DUAN, Hongchang;HU, Xiaoli;JING, Li;LIU, Chaowei;LIU, Tao;LU, Tong;SU, Yi;TAN, Zhengguo;ZHENG, Yunfeng~ 33:CN ~31:202310812381.2 ~32:04/07/2023

2026/01287 ~ Complete ~54:A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: GALATI, Rosa;HUMPHREY, Jack;JENKINS, Ben~ 33:GB ~31:2311833.4 ~32:01/08/2023

2026/01289 ~ Complete ~54:A MATERIAL FOR USE AS A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;GALATI, Rosa;GRISHCHENKO, Andrei;RUSHFORTH, David~ 33:GB ~31:2311836.7 ~32:01/08/2023

2026/01294 ~ Complete ~54:TREATMENT OF HAIR-LOSS DISORDER ~71:Q32 BIO INC., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: CAMPAGNA, Jason;MAYER, Christina;SCHERER, Joel;VIOLETTE, Shelia Marie;WU, Hong~ 33:US ~31:63/516,534 ~32:31/07/2023

2026/01298 ~ Complete ~54:A MATERIAL FOR USE AS A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;GALATI, Rosa;GRISHCHENKO, Andrei;HUMPHREY, Jack~ 33:GB ~31:2311829.2 ~32:01/08/2023

2026/01223 ~ Provisional ~54:AN INTERCONNECTOR DEVICE FOR USE IN MULTI-ELEMENT MEMBRANE FILTRATION SYSTEMS ~71:EL FADIL, Abdelhakim, 161 AVENUE MED DIOURI, IMMEUBLE B, 14000 KÉNITRA, MOROCCO, Morocco ~72: EL FADIL, Abdelhakim~

2026/01253 ~ Complete ~54:A VALVE SYSTEM FOR THE CONTROL OF LIQUID FLOW IN A MICROFLUIDIC CHANNEL ON A LAB-ON-CHIP DEVICE ~71:CSIR, Scientia, Meiring Naude Road, Brummeria, Pretoria, 0184, South Africa ~72: MANFRED RUDOLF SCRIBA;MASIBULELE TIMOTHY KAKAZA~ 33:ZA ~31:2025/01012 ~32:31/01/2025

2026/01254 ~ Complete ~54:AN IOT-BASED REAL-TIME HEART RATE MONITORING SYSTEM USING WEARABLE SENSORS, EDGE PROCESSING, AND AI ANALYTICS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAUTAM, Akrati Manoj;GAVHALE, Gaurishankar Khanderao;PATIL, Shravan Anil;SANAP, Madhura Eknath;SOGANI, Jayam Sunil;WANKHADE, Shalini Vaibhav~

2026/01259 ~ Complete ~54:CONDITIONAL PAYMENT, BONUS AND BIDDING SYSTEM CROSS-REFERENCE TO RELATED APPLICATIONS ~71:Affordable Brands Importers (Pty) Ltd, 94 11th Street, Parkmore, Sandton, 2196, South Africa ~72: Ashton Flax;Ella Flax;Gary Flax~ 33:US ~31:63/751,387 ~32:30/01/2025

2026/01263 ~ Complete ~54:A WEARABLE CARDIOVERTER DEFIBRILLATOR SYSTEM FOR ELDERLY PEOPLE ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Dr. JEYAKUMAR PITCHAIKANI;SANJAY KANNAN;SARAVANAN RAJAMURUGAN;SELVAKUMARAN KUNJAMMAL SHANMUGAM;SENTHILBALAJI MANIKKAM;SOWNDHAAR VELUR RAMESH;SRIRAM SURESH~

2026/01271 ~ Complete ~54:A HYBRID DESKTOP MIRRORING SYSTEM ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: BANUPRIYA VELU;DEVAYANI GOVINDARAJ;Durai Murugan Alagarsamy;Indhuja Kandhasamy;Kavipriya Suresh;Priyadharshini Subramanian;Varsaa Vihasini Subbarayan Boopathi~

2026/01275 ~ Complete ~54:A DRUG RESPONSE PREDICTION SYSTEM THROUGH FEDERATED LEARNING AND GEOMETRIC ANALYSIS ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Makanyadevi Kandasamy;Prethiga Shanmugam;Rithvika Vivek;Sumaya Syed Abdul Kadhir~

2026/01233 ~ Provisional ~54:CLEANSHORE™ BEHAVIOR-ENABLING BEACH TOWEL SYSTEM ~71:Andre Claassen, 18 Whale Rock Verde, White Caps Way, South Africa ~72: Andre Claassen~

2026/01234 ~ Provisional ~54:COMPUTED RELIANCE RECEIPTS AND COURT-GRADE EVIDENCE PACK GENERATION FOR POLICY-VERSION-BOUND RELIANCE ON GOVERNED WAGE AND FINANCIAL ARTEFACTS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01245 ~ Complete ~54:TANK SYSTEM FOR HOLDING AND PROVIDING A FLOW OF LIQUID AND RELATED METHODS ~71:Andfjord Innovation AS, Storhøggveien 2, Norway ~72: ERIKSEN, Ben-Tommy~

2026/01248 ~ Complete ~54:DEVICE FOR VOLTAGE ERROR COMPENSATION AND STATE OF CHARGE ESTIMATION BASED ON INTERNAL RESISTANCE AND METHOD THEREOF ~71:Hyosung Heavy Industries Corporation, 119, Mapo-daero, Mapo-gu, SEOUL 04144, REPUBLIC OF KOREA, Republic of Korea ~72: BANG, Sung Eun;JU, Chang Yong;KWON, Han Yong~ 33:KR ~31:10-2025-0109652 ~32:08/08/2025

2026/01268 ~ Complete ~54:A MINE ROVER DEVICE ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Jaya Priyan Nagaraj;Jeeva Balasubramanian;Jeeva Elango;Jeeva Velusamy;Kavitha Shanmugam~

2026/01270 ~ Complete ~54:A FIRMWARE EMBEDDED MICRO HYPERVISOR FOR REAL TIME LIVE OPERATING SYSTEM SWAPPING ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Mr.SEENIVASAN DHATCHINAMOORTHY;Mrs. SHOBANA MURUGANANTHAM;Mrs.KALAIVANI KANTHASAMY;RAKSHITHA PRABHU;VISHVA PRIYA LAKSHMANAN~

2026/01272 ~ Complete ~54:A HIGH GAIN LENS ANTENNA SYSTEM FOR ULTRA FAST 6G WIRELESS BACKHAUL NETWORKS ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Dr. JEYAKUMAR PITCHAIKANI;SARAVANAN RAJAMURUGAN;SELVAKUMARAN KUNJAMMAL SHANMUGAM;SENTHILBALAJI MANIKKAM;SOWNDHAAR VELUR RAMESH~

2026/01277 ~ Complete ~54:WEATHER RESILIENT ROAD SUPPORT COMPONENT ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: GOKULRAM BALASUBRAMANI;KANNYA DHARSHINI VASUDEVAN;KIRUTHIKA SARAVANAN;NANDHAKUMAR SHANKAR~

2026/01283 ~ Complete ~54:PEPTIDE HAVING ACTIVITY OF ALLEVIATING DRY EYE DISEASE AND USES THEREOF ~71:Caregen Co., Ltd., 23 Yeoksam-ro 98-gil, Gangnam-gu, SEOUL 06188, REPUBLIC OF KOREA, Republic of Korea ~72: CHUNG, Yong Ji;KIM, Eun Mi;LEE, Eung Ji~ 33:KR ~31:10-2023-0104783 ~32:10/08/2023

2026/01222 ~ Provisional ~54:SYSTEM AND METHOD FOR DUAL-CHANNEL CONSENT VAULTING WITH ADAPTIVE POLICY CAPSULE, E-BOUNDED COHERENCE, PAYMENT-CONTEXT ELECTRONIC SIGNATURE CEREMONIES, AND CANONICAL EVIDENCE EXPORT INTO NAR/1.0 ATTESTATION RECEIPTS ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01231 ~ Provisional ~54:LOYALTY AND CASHBACK PLATFORM ~71:FORMIDO GROUP (PTY) LTD, 22 Armist Road Chiselhurst East London, South Africa ~72: PHILANDER, Cuwin Joshua;PHILANDER, Terique Jason~

2026/01318 ~ Complete ~54:METHOD FOR PREVENTING AND CONTROLLING MIKANIA MICRANTHA BASED ON PACHYPELTIS MICRANTHUS ~71:YUNNAN INSTITUTE OF TROPICAL CROPS, No. 99, Xuanwei Avenue, People's Republic of China ~72: GAO, Jing;KONG, Xiangdong;WANG, Jinqiang;WANG, Xiafei;XU, Liyue;YUAN, Bo;ZHANG, Yongke;ZHENG, Chengmei~

2026/01284 ~ Complete ~54:PIERCING ARRANGEMENT AND RELATED BEVERAGE EXTRACTION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BAUDOZ, Matthieu;DENISART, Jean-Luc;DOGAN, Nihan;KOLLEP, Alexandre;TRULLARD, Aurélien~ 33:EP ~31:23184081.0 ~32:07/07/2023

2026/01285 ~ Complete ~54:A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: GALATI, Rosa;GRISHCHENKO, Andrei~ 33:GB ~31:2311831.8 ~32:01/08/2023

2026/01290 ~ Complete ~54:A MATERIAL FOR USE AS A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;GALATI, Rosa;GRISHCHENKO, Andrei~ 33:GB ~31:2311839.1 ~32:01/08/2023

2026/01292 ~ Complete ~54:HAULM ROLLER, LIFTING UNIT, AND ROOT-CROP HARVESTER ~71:GRIMME LANDMASCHINENFABRIK SE & CO. KG., Hunteburger Straße 32, DAMME 49401, GERMANY, Germany ~72: BRINKMANN, Thomas;HEUER, Ralf;WISCHMEYER, Michael~ 33:DE ~31:20 2023 104 726.2 ~32:18/08/2023

2026/01295 ~ Complete ~54:TREATMENT OF ATOPIC DERMATITIS ~71:Q32 BIO INC., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: CAMPAGNA, Jason;MAYER, Christina;SCHERER, Joel;VIOLETTE, Shelia Marie;WU, Hong~ 33:US ~31:63/516,535 ~32:31/07/2023

2026/01224 ~ Provisional ~54:PRODUCTION OF AMMONIA ~71:RONANDER, Einar, 53 Nantekara Street, Mossel Bay, Cape Town 6506, Western Cape, SOUTH AFRICA, South Africa ~72: RONANDER, Einar~

2026/01227 ~ Provisional ~54:FIRELIGHTER MANUFACTURING METHOD AND PRODUCT THEROF ~71:DE WITT, Wynand, Plot 6/1 Pointsettia Avenue, Gerhardsville, South Africa ~72: DE WITT, Wynand~

2026/01232 ~ Provisional ~54:SYSTEM AND METHOD FOR RAPID DEPLOYMENT OF SOFTWARE APPLICATIONS AND PAYMENT DEVICES ~71:ALTRON TMT (PTY) LTD, Altron Campus Block D, Woodlands Office Park. 20 Woodlands Drive, South Africa ~72: BRINK, Jacques~

2026/01255 ~ Complete ~54:AN RFID AND IOT-ENABLED ANTI-THEFT SYSTEM FOR SMALL VEHICLES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: FAROOQUI, Mohammad Viquar;KHASAKI, Vivek Rajendrakumar;SANAP, Madhura Eknath;TAGALPALLEWAR, Atharva Kiran;WANDHARE, Paritosh Dilip;WANKHADE, Shalini Vaibhav~

2026/01258 ~ Complete ~54:SYSTEM AND METHOD FOR PARAMETER-EFFICIENT AND DYNAMICALLY WEIGHTED ENSEMBLE-BASED GENE MUTATION CLASSIFICATION ~71:A. Yaganteeswarudu, Postdoc fellow, Computer Science and Engineering, SR University, Ananthasagar, Hasanparthy, Warangal, Telangana – 506371, India;Dr. Muthu Kumar T., Assistant Professor (BS), SR University, Ananthasagar, Hasanparthy, Warangal, Telangana - 506371, India;Dr. Saroj Kumar Biswas, Associate Professor, National Institute of Technology Silchar, Cachar, Assam -788010, India;SR University, Warangal, SR University, Ananthasagar, Hasanparthy, Warangal, Telangana - 506371, India ~72: A. Yaganteeswarudu;Dr. Muthu Kumar T.;Dr. Saroj Kumar Biswas~

2026/01269 ~ Complete ~54:URINARY BIOMARKER CAPSULE ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: Jegadeesan Subramani;Suguna Subramani;Visnupriya VijayaKumar;Yogadharani Sathish Kumar;Yuvasri Elanchezhiyan~

2026/01274 ~ Complete ~54:IOT-BASED WAREHOUSE SECURITY ~71:M.KUMARASAMY COLLEGE OF ENGINEERING, THALAVAPALAYAM, KARUR, TAMIL NADU, 639113, India ~72: ARUL SELVAN KAVITHA MAHALINGAM;JASWINPRATHAP NALLUSAMY;KARTHIKEYAN KALIANNAN;LOGAVELBALAJI ALAGESWARI KUMARESAN;PRIYA PONNUSAMY~

2026/01281 ~ Complete ~54:USE OF POLIDOCANOL IN PREPARATION OF DRUG FOR TREATING AXILLARY OSMIDROSIS BY MEANS OF DIFFUSE GRID SUBCUTANEOUS MULTI-POINT CONTINUOUS INJECTION ADMINISTRATION ~71:SHANGHAI NINTH PEOPLE'S HOSPITAL, SHANGHAI JIAOTONG UNIVERSITY SCHOOL OF MEDICINE, No. 639, Zhizaoju Road, Huangpu District, Shanghai, 200011, People's Republic of China ~72: Chenfang ZHU;Yantao CAI~ 33:CN ~31:202410585843.6 ~32:11/05/2024;33:CN ~31:202410917422.9 ~32:09/07/2024;33:CN ~31:202411796894.X ~32:06/12/2024

2026/01288 ~ Complete ~54:A MATERIAL FOR USE AS A COMPONENT FOR AN AEROSOL PROVISION ARTICLE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;GALATI, Rosa;GRISHCHENKO, Andrei;PALAT, Kenan~ 33:GB ~31:2311835.9 ~32:01/08/2023

2026/01301 ~ Complete ~54:AN ORAL LIQUID FORMULATION OF APIXABAN ~71:LIQMEDS WORLDWIDE LIMITED, Sandretto Building, Cavalry Hill Industrial Park, Weedon, United Kingdom ~72: PANSARA, Chintan;UMRETHIA, Manish~ 33:IN ~31:202321051585 ~32:01/08/2023

. - APPLIED ON 2026/02/02 -

2026/01304 ~ Provisional ~54:REGISTRY-NEUTRAL ANCHORING AND LATEST-AUTHORITATIVE RESOLUTION ACROSS HETEROGENEOUS REGISTRIES FOR POLICY-VERSION-BOUND GOVERNED ARTEFACT ECOSYSTEMS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01306 ~ Provisional ~54:A RECONFIGURABLE VEHICLE HUMAN–MACHINE INTERFACE USING A DISPLAY OVERLAYING MECHANICAL CONTROLS AND ADAPTIVE DISPLAY-EQUIPPED BUTTONS ~71:Yusuf Mayet, 13A 6th Avenue, South Africa ~72: Yusuf Mayet~

2026/01316 ~ Provisional ~54:DUAL-ACCESS RESEALABLE SNACK PACKAGING SYSTEM ~71:Eunice Dube, 24533 PRUNE STREET, PROTEA GLEN 27, South Africa ~72: EUNICE DUBE~

2026/01321 ~ Complete ~54:VOLLEYBALL STORAGE DEVICE FOR VOLLEYBALL TRAINING ~71:Shandong University of Finance and Economics, No. 7366, East Second Ring Road, Jinan City, Shandong Province, People's Republic of China ~72: ZHANG Jibo~

2026/01324 ~ Complete ~54:LIGNIN-BASED FILLER CONTAINING HALOBUTYL RUBBER COMPOSITIONS WITH NO OR REDUCED AMOUNT OF OIL-BASED SOFTENING AGENTS ~71:UPM-Kymmene Corporation, Alvar Aallon katu 1, HELSINKI 00100, FINLAND, Finland ~72: FINGER, Sebastian;GALL, Barbara;SCHMAUCKS, Gerd;SEKAR, Priyanka~ 33:EP ~31:25155573.6 ~32:03/02/2025

2026/01337 ~ Complete ~54:A SMART NOTEBOOK ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Gnyanodhaya Shanmugam;Harish Kumar;Janani Jayaraman;Natesan GandhiMahan Gayathri;Sasidevi Jayaraman;Uma Maheswari Perumal~

2026/01340 ~ Complete ~54:PORTABLE FOOTWEAR CLEANING SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: MATTHEW NITHILAN PREM KUMAR;SRINIVASAN DEVARAJU~

2026/01342 ~ Complete ~54:SMART DYNAMIC SUCTION VACUUM MAT ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Abirami Sekar;Akshaya Lal Bahadur;Rhichaa Thiyagarajan;Sankari Vedhamoorthy;Sivapriya Subramanian~

2026/01343 ~ Complete ~54:AI-POWERED FIBER OPTIC STRUCTURAL HEALTH MONITORING SYSTEM FOR BRIDGES ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Guruprakash Kannan;John Peter Thiraviasamy;Nithya Thotakuruchi Mathiyalagan;Steffi Stephen shaju;Uvajanani Raja;Yugabharathi Thirumalai;Yuhanncia Mary Sagayaraj~

2026/01313 ~ Provisional ~54:WEARABLE DEPLOYABLE CONTAINMENT SYSTEM FOR TEMPORARY LITTER COLLECTION ~71:Andre Claassen, 18 Whale Rock Verde, White Caps Way, South Africa ~72: Andre Claassen~

2026/01327 ~ Complete ~54:ABNORMAL TRAFFIC DETECTION METHOD AND SYSTEM BASED ON ADAPTIVE LEARNING AND MULTIMODAL BEHAVIOR ANALYSIS ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Mingxiu WAN;Xiliu ZHOU;Yangbo WU;Ying LIN~

2026/01339 ~ Complete ~54:EMERGENCY AUDIO MUTE SYSTEM IN VEHICLES ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: DHARINESH RAMESH GEETHA;MAHIMA RAVICHANDRAN;MANIKANDAN RAMAR~

2026/01351 ~ Complete ~54:PROCESS FOR PRODUCING A PHOSPHATE CONTAINING PRODUCT FROM A PHOSPHATE SOURCE BY DIGESTION WITH SULPHURIC ACID ~71:PRAYON, rue Joseph Wauters 144, 4480, Engis, Belgium ~72: GAUTHIER HUMBLET;LÉON NINANE~ 33:EP ~31:23183463.1 ~32:04/07/2023

2026/01356 ~ Complete ~54:PYROMETALLURGICAL RECYCLING OF END-OF-LIFE BATTERIES ~71:GLENCORE TECHNOLOGY PTY LIMITED, Level 29, 180 Ann Street, Brisbane, Queensland 4000, Australia ~72: STUART NICOL~ 33:AU ~31:2023902216 ~32:11/07/2023;33:AU ~31:2023903803 ~32:27/11/2023

2026/01319 ~ Complete ~54:VARIABLE HEAD GUIDED VERTICAL DROP WEIGHT IMPACT TESTING APPARATUS ~71:Dr. Arvind Kumar Agnihotri, Professor, Civil Engineering Department, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab 144008, India;Dr. B. R. Ambedkar National Institute of Technology, G.T. Road, Amritsar Bypass, Jalandhar, Punjab - 144008, India;Dr. Hemant Sharad Chore, Associate Professor, Civil Engineering Department, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab 144008, India;Dr. Senthil Kasilingam, Assistant Professor, Civil Engineering Department, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab 144008, India;Shivam, Undergraduate Student, Civil Engineering Department, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab 144008, India ~72: Dr. Arvind Kumar Agnihotri;Dr. Hemant Sharad Chore;Dr. Senthil Kasilingam;Shivam~

2026/01347 ~ Complete ~54:AN AI-BASED DRUG SAFETY PREDICTION SYSTEM USING ANIMAL DNA AND BIOLOGICAL DATA ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Arthi Jayasankar;Harini Arunachalam;Kethsiyal Selvakumar;Maheswari Jayabal;Nandhini Rajendran;Nithya Mathiyalagan;Sasikumar Rajendran~

2026/01352 ~ Complete ~54:LYME DISEASE VACCINES COMPRISING AN ADJUVANT AND A BORRELIA OUTER SURFACE PROTEIN A ANTIGEN ~71:DYNAVAX TECHNOLOGIES CORPORATION, 2100 Powell Street, Suite 720, Emeryville, California, 94608, United States of America ~72: DONG YU;NICOLAS DELAHAYE;RICCARDO MANETTI~ 33:US ~31:63/512,872 ~32:10/07/2023

2026/01353 ~ Complete ~54:HAIR GROWTH COMPOSITION ~71:DEBRAJ SHOME, A 603, Mineral House, Opposite ICICI Bank, Thakur Village, Kandivali (East), Mumbai, Maharashtra, 400 101, India;RINKY KAPOOR, 31, Falguni apartments, Opp. Model town, Mulund west, Mumbai, Maharashtra, 400080, India ~72: DEBRAJ SHOME;RINKY KAPOOR~ 33:IN ~31:202321053030 ~32:08/08/2023

2026/01355 ~ Complete ~54:METHODS FOR AND COMPOSITIONS OF NON-PEG BIOCONJUGATES WITH ULTRA-HIGH DRUG-TO-AGENT RATIO ~71:BIOHYBRID SOLUTIONS HOLDINGS, INC., 307 23rd Street Extension, Suite 150, Sharpsburg, Pennsylvania 15215, United States of America ~72: ADAM VOELKER;AMANDA MINCEY;ANDREW KASSICK;ANTONINA SIMAKOVA;CASSANDRA CRIHFIELD;DAVID WILSON;KRZYSZTOF MATYJASZEWSKI;LAURA BENJAMIN;MATTHEW CUMMINGS~ 33:US ~31:63/540,322 ~32:25/09/2023;33:US ~31:63/557,410 ~32:23/02/2024;33:US ~31:63/666,550 ~32:01/07/2024

2026/01320 ~ Complete ~54:DEFOAMER COMPOSITION FOR USE IN VARNISH SYSTEM AND PREPARATION METHOD THEREOF ~71:Fujian Systak Environmental Protection Material Technology Co., Ltd., No.6, Area A, Light Industry New Town, Yongchun County, Quanzhou, Fujian, 362600, People's Republic of China ~72: LI, Baojun;LI, Fan;ZHOU, Qiuxia;ZHOU, Yanyan~ 33:CN ~31:202510343863.7 ~32:22/03/2025

2026/01333 ~ Complete ~54:POSTURE ALERT SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Arthi Jayasankar;Harini Arunachalam;Indradevi Rajendran;Kavitha Muthurathinam;Kethsiyal Selvakumar;Maheswari Jayabal;Nalini Raju~

2026/01348 ~ Complete ~54:WOUND HEALER ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: ABBAS SHAKULHAMEED;Dr.MAHESWARI MURALI;Dr.RADHA NATARAJAN;HARSHAVARDAN VANITHA PALANIAPPA;KAMALESHKUMAR VIJAYAKUMAR~

2026/01346 ~ Complete ~54:AN AQUA ROVER DRONE SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: GEETHA PANDURANGAN;KAVIYA RAJKUMAR YASODHA;Pushpa Dharshini Sakthivel;Shubashini Ayalraj~

2026/01349 ~ Complete ~54:MULTI-PROBE INTELLIGENT MICROWAVE PHYSIOTHERAPY INSTRUMENT ~71:Henan Lixinghe Medical Technology Co., Ltd, No. 5 Zhengkailan Science And Technology Innovation Industrial Park Economic and Technological Development Zone, Lankao County, Kaifeng, Henan, 475300, People's Republic of China ~72: ZHANG, Yanming~ 33:CN ~31:202311304848.9 ~32:10/10/2023

2026/01322 ~ Complete ~54:HAPTIC FEEDBACK WEARABLE DEVICE FOR MARKET VOLATILITY ALERTS ~71:Dr. Amit Kumar, C/O Bankey Lal, Hardoi Road, Yadav Bazar, Gali No. 3, Samrat City, Sikrauri, Lucknow, Uttar Pradesh, 226101, India;Mr. Shivam Dubey, Assistant Professor, University of Lucknow, Department of Commerce (MBA- F&A), Lucknow, 226 007, India ~72: Dr. Amit Kumar;Mr. Shivam Dubey~

2026/01331 ~ Complete ~54:PORTABLE CEMENT MIXER WITH HORIZONTAL ROTATING BLADE SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Gnanamani Ragul;Peter Pushparaj Jerom Sebhastin;Prabakaran Mohith;Rajendran Manivasagam~

2026/01336 ~ Complete ~54:A WEARABLE WATCH PROJECTOR FOR REMOTE NON-LITERATE EDUCATION ACCESS ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Arockia Jesuraj Yagappan;Aventhika Kumar;Latha Varatharajan;Sasikumar Rajendran;Shaahin Basha~

2026/01360 ~ Provisional ~54:BEVERAGE CARRIER WITH INTEGRATED CONVERTIBLE DISPLAY FLAG FUNCTIONALITY AND ENHANCED LOAD-BEARING STRUCTURAL MECHANISM ~71:Erin Arendse, 19 Worcester Road, Walmer Estate, South Africa ~72: Erin Arendse~

2026/01312 ~ Provisional ~54:SYSTEM AND METHOD FOR TOKENISED POLICY CAPSULE DISTRIBUTION, API-BASED POLICY GATING, AND CANONICAL EVIDENCE BINDING ~71:Venture Labs, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01323 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR ORAL ADMINISTRATION COMPRISING AMINOPYRIMIDINE DERIVATIVE OR PHARMACEUTICALLY ACCEPTABLE SALT, HYDRATE, OR SOLVATE THEREOF ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: MAXIMILIEN, Jacqueline;RAJAN, Gopal~ 33:US ~31:63/009,623 ~32:14/04/2020;33:US ~31:63/014,277 ~32:23/04/2020

2026/01326 ~ Complete ~54:LOSSLESS ABNORMAL BEHAVIOR IDENTIFICATION METHOD FOR ENCRYPTED TRAFFIC ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Mingxiu WAN;Xiliu ZHOU;Yangbo WU;Ying LIN~

2026/01518 ~ Provisional ~54:FLANGE ADAPTERS FOR CONNECTING DOWNPIPES TO WATER STORAGE TANKS IN RAINWATER HARVESTING SYSTEMS. ~71:Siegfried Graupe, 20 Kersoog street, South Africa ~72: SIEGFRIED GRAUPE~

2026/01334 ~ Complete ~54:ROAD HAZARD DETECTION AND ALERT SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Abinaya Kajendran;Deepappriya Renganathan;Guruprakash Kannan;John Peter Thiraviasamy;Nithya Mathiyalagan;Rexy Jesuraj;Sandhiya Rajkumar~

2026/01338 ~ Complete ~54:HANDS-FREE LAVATORY SEAT HOOP ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: ASWATHI VARADARAJAN;DHANAAISHWARYA GANESH KUMAR;HARINI KARTHIKEYAN;KAVIPRIYA RAJESH KANNA;RADHA NATARAJAN;RAMYA RAJENDRAN~

2026/01341 ~ Complete ~54:AN INTELLIGENT NON-CONTACT BRAKING AND ACCELERATION SYSTEM USING REVERSIBLE ELECTROMAGNETIC FIELDS AND SENSOR-BASED AI CONTROL ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Gokul Udayakumar;Mohanakrishnan Amarnath;Sivanesan Jayaraman;Sridharan Selva Kumar;Varghese Gee Thomas~

2026/01345 ~ Complete ~54:SMART TROLLY SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Arumugam Premavasumati;Elavarasan Praveen Kumar;Harish Kumar;Ramasamy Kamaraj~

2026/01303 ~ Provisional ~54:SYSTEM AND METHOD FOR REAL-TIME LIABILITY DETERMINATION IN MULTI-PARTY AUTONOMOUS AGENT FINANCIAL TRANSACTIONS USING FORMAL MANDATE CONSTRAINT LANGUAGE AND ALGORITHMIC FAULT ATTRIBUTION ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01308 ~ Provisional ~54:SYSTEM AND METHOD FOR EVIDENCE-CONDITIONED ECONOMIC SIGNALLING IN AUTONOMOUS FINANCIAL TRANSACTIONS ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01311 ~ Provisional ~54:SYSTEM AND METHOD FOR DETERMINISTIC CROSS-DOMAIN TRUST RESOLUTION USING CRYPTOGRAPHICALLY VERIFIABLE EVIDENCE ARTIFACTS ~71:Patrick Le Roux, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01434 ~ Provisional ~54:A SYSTEM AND METHOD FOR BINDING BROWSER-BASED, HARDWARE-VERIFIED ZERO-KNOWLEDGE CRYPTOGRAPHIC PROCESSES FOR DECENTRALIZED DATA STORAGE ~71:Paul Armer, Parkada Farm, D176, South Africa ~72: Paul Armer~

2026/01314 ~ Provisional ~54:UNIFIED ENERGY EQUATION FOR METABOLISABLE CARBOHYDRATE ENERGY ~71:IPGIP NPC, 77 Tijger Vallei Office Park, 13 Pony Street, South Africa ~72: EH Mathews~

2026/01329 ~ Complete ~54:A COTTON HARVESTING ROVER DEVICE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: GAYATHRI SOUNDARARAJAN;KALYANARUBA MANI;KARTHIGA MURUGAN;OVIYA MUNIYAPPAN;RASIKA SARAVANAN~

2026/01335 ~ Complete ~54:AN ADAPTIVE PRIVACY CONTROL SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Arockia Jesuraj Yagappan;Kasthurirengan Purushothaman;Nalini Raju;Prabhanjen Balaji;Prashanth Chelladurai~

2026/01309 ~ Provisional ~54:AN ULTRA HIGH-DENSITY PASSIVE HYDROPONIC SYSTEM ~71:Jude Bezuidenhout, 5 Kensington garderns, South Africa ~72: Jude Bezuidenhout~

2026/01359 ~ Provisional ~54:ANISOTROPIC PLASMA-MEDIATED THERMAL ENERGY CONVERSION DEVICE AND SYSTEM ~71:William Field, 1 OSBORN CLOSE, Kommetjie, South Africa ~72: William Henry John Field~ 33:ZA ~31:F03G ~32:01/02/2026

2026/01328 ~ Complete ~54:MINERALISATION LOCATION PREDICTION METHOD BASED ON INTEGRATION OF MULTI-DIMENSIONAL GEOLOGICAL DATA AND EXPLORATION DETECTION ~71:Lanzhou University, No.222,Tianshui South Road, Chengguan District, Lanzhou City, Gansu Province, 730000, People's Republic of China ~72: DAI Shuang;YE Hongfeng;YE Honggang~ 33:CN ~31:202610081438.X ~32:21/01/2026

2026/01332 ~ Complete ~54:NANO PCM HEAT WARMER ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: ANUSIYA SENTHILKUMAR;DHARSHINI DEVI SARAVANAKUMAR;Dr.MAHESWARI MURALI;Dr.RADHA NATARAJAN;HARINI PETCHIMUTHU;HARINI SRINIVASAN;KAVYA SRI ASOKAN~

2026/01429 ~ Provisional ~54:MINI-FARS ~71:MANQOBI HAPPY MABENA, 02 TWEEFONTEIN F, South Africa ~72: MANQOBI HAPPY MABENA;SABELO STHEMBISO SKHOSANA~ 33:ZA ~31:0 ~32:01/02/2026

2026/01307 ~ Provisional ~54:A SYSTEM AND METHOD FOR BIOMETRIC IDENTITY ENABLEMENT AND CONTROLLED FINANCIAL INCLUSION USING A MULTI-PARTY GOVERNANCE ARCHITECTURE ~71:CreatActiv (Pty) Ltd, 2389 Westbrook Estate, Protea Drive, South Africa ~72: Sebe James Kgati~

2026/01310 ~ Provisional ~54:SYSTEM AND METHOD FOR CRYPTOGRAPHIC EXECUTION COMMITMENT TOKENS WITH PRE-EXECUTION VERIFICATION STATE BINDING FOR AUTONOMOUS AGENT TRANSACTIONS ~71:Patrick Le Roux, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01325 ~ Complete ~54:PHASE-CHANGE THERMAL STORAGE HEAT EXCHANGER AND HEAT EXCHANGER TEST BENCH ~71:ZHEJIANG BAIMA LAKE LABORATORY CO., LTD., Building 1, Hangzhou High-tech Industrial Development Zone (Binjiang) Torch Innovation Center, Binjiang District, Hangzhou, Zhejiang Province, 310053, People's Republic of China;ZHEJIANG UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER, No.583, Xuelin Avenue, Hi-Education Park, Qiantang District, 310018, Hangzhou, Zhejiang Province, People's Republic of China ~72: CHUANHUI ZHU;JUNLE WANG;XIAODONG DONG;YIHANG LU;YUNLONG GUAN~ 33:CN ~31:CN202511514920X ~32:22/10/2025

2026/01344 ~ Complete ~54:HAND RAIL CLEANER ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: AGILESH SANTHOSHKUMAR;ARAVINDH VIVEKANANTHAN;BALAMURUGAN SUBRAMANIYAN;KAVITHA MOOKKANDI;RITHISH RAJAMANICKAM~

2026/01357 ~ Complete ~54:HETEROCYCLYLALKYNYL SUBSTITUTED AMIDE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:CHENGDU CHIPSCREEN PHARMACEUTICAL LTD., No. 18, Xintong South 1st Road, High-tech Zone, People's Republic of China ~72: DONG, Wenbo;LI, Jian;LIU, Gang;LU, Xianping;MAO, Xuhua;PAN, Desi;SHAN, Song;WANG, Tingting;XIA, Shanghua;XIE, Honglei;ZHANG, Ping~ 33:CN ~31:202310967490.1 ~32:02/08/2023;33:CN ~31:202311824824.6 ~32:26/12/2023;33:CN ~31:202410153280.3 ~32:02/02/2024;33:CN ~31:202410605782.5 ~32:15/05/2024

2026/01330 ~ Complete ~54:A LASER-BASED AUTOMATED NAIL CUTTING DEVICE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. KIRAN BALA BENNY;KISHORE MURUGAN;MOHANRAJ SURESH;NIHALL BIJU;SUBHU VEKADESA PERUMAL~

2026/01305 ~ Provisional ~54:CONFORMANCE HARNESS WITH DRIFT DETECTION AND CRYPTOGRAPHIC DIVERGENCE PROOF BUNDLES FOR RUNTIME WAGE COMPUTATIONS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01315 ~ Provisional ~54:AN ELECTRONIC VEHICLE SPEED GOVERNANCE AND TRANSACTION CONTROL DEVICE ~71:CLEARHOLD (PTY) Ltd, 16 Haenettsberg Street, South Africa ~72: TUMELO TSOTETSI~

2026/01317 ~ Provisional ~54:SYSTEM AND METHOD FOR CRYPTOGRAPHICALLY STATEFUL DIGITAL EVIDENCE OBJECTS WITH OFFLINE-VERIFIABLE CHAIN OF CUSTODY, PORTABLE VERIFICATION ARTIFACTS, AND AI-ASSISTED INTEGRITY ANALYSIS ~71:Patrick Le Roux, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01350 ~ Complete ~54:CRYSTALLINE FORM ~71:SANOFI, 46 avenue de la Grande Armée, France;UCB BIOPHARMA SRL, Allée de la Recherche 60, Belgium ~72: FLASZ, Jakub Tadeusz;GRAFFEO, Sabrina Raymonde Sophie;GRECIET, Hélène;MONNIER, Olivier;ROUGEOT, Céline;ZIRI, Isabelle~ 33:EP ~31:23183371.6 ~32:04/07/2023

2026/01354 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS FOR USE IN REDUCING HYPERPIGMENTATION ~71:CALIWAY BIOPHARMACEUTICALS CO., LTD., 32F.-9, No. 99, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City, 221, People's Republic of China ~72: YUFANG LING~ 33:US ~31:63/512,421 ~32:07/07/2023

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2026/01382 ~ Provisional ~54:INTER-SYSTEM TRUST KERNEL (ISTK) FOR MACHINE-ENFORCED TRUST NORMALISATION, CAUSAL VERIFICATION, AND CONTROLLED ROUTING ACROSS FEDERATED DIGITAL–PHYSICAL SYSTEMS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01387 ~ Provisional ~54:KERNEL-ENFORCED RELIANCE CONTROL AT EXECUTION, COMMIT, AND OUTPUT- CONSUMPTION BOUNDARIES ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01393 ~ Complete ~54:INTELLIGENT GUIDANCE SYSTEM FOR PARKING AND RETRIEVAL IN LARGE PARKING LOT BASED ON A-STAR ALGORITHM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: FAN Qinghua;JIAO Shuaiyang;LI Yubo;LI Ze;LIU Xiaoge;LIU Zixiang;WU Juntong;XUE Liyuan~

2026/01396 ~ Complete ~54:INTELLIGENT AUTOMATIC SCREENING AND COLLECTION DEVICE FOR PLASTIC BAGS IN WET WASTE ~71:Henan College of Surveying and Mapping, No. 30 Gongmao Road, Baisha Park, Zhengdong New District, Zhengzhou City, Henan Province, 451400, People's Republic of China;Henan University of Urban Construction, Longxiang Avenue, Xin Cheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: PEI Xiaohong;XU Zihan~

2026/01401 ~ Complete ~54:AN ELEPHANT MUSTH DETECTION AND MONITORING DEVICE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Abishek Khanna Murugasami;John Peter Thiraviasamy;Kamesh Muruganandam;Karunamoorthy Selvaraj;Mathew Joshwa Jerald;Nithya Thotakuruchi Mathiyalagan;Saranya Sundararaju~

2026/01411 ~ Complete ~54:ICE APPLE PULP EXTRACTOR ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. Muruganantham Thangaraj;Nagarajan Ramanathan Nagarajan;Rakshitha Sakthivel;Shahin Ashika Kalander Mydeen;Uma Devi Sathyanarayanan~

2026/01414 ~ Complete ~54:A DISTRIBUTED AGENTIC ARTIFICIAL INTELLIGENCE SYSTEM FOR ADAPTIVE TASK MANAGEMENT ~71:Dr Saleem Basha Mohamed Sulaiman, Associate Professor in RIEU, University of Buraimi, PO Box 890, Al-Buraimi, 512 Al Buraimi, Oman;Mr Shajahan Gani Mohamed Ismail, Principal AI/ML, Humain, RHGA7341, Umar Bin, Yusuf Al Muqri Al Muruj Dist. 12283, RIYADH, Saudi Arabia ~72: Dr Saleem Basha Mohamed Sulaiman;Mr Shajahan Gani Mohamed Ismail~

2026/01419 ~ Complete ~54:METHOD FOR RECYCLING PLASTIC PACKAGING ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Robert SIEGL~ 33:CH ~31:CH000762/2023 ~32:14/07/2023

2026/01427 ~ Complete ~54:DEVICE FOR ELECTROCUTING A RODENT ~71:EUREKA-CONCEPT SRL, Rue Houssière 1, Belgium ~72: MICHEL, Luc~ 33:BE ~31:2023/0062 ~32:29/08/2023

2026/01432 ~ Complete ~54:NITROGEN-CONTAINING HETEROCYCLIC DERIVATIVE INHIBITOR, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, Lianyungang, Jiangsu, 222069, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 11, No. 3728 Jinke Road, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai, 201203, People's Republic of China ~72: FANGFANG JIN;JIAQIANG DONG;TINGJUN WANG;WENSHENG YU;XINXIAN DENG~ 33:CN ~31:202310818758.5 ~32:04/07/2023;33:CN ~31:202311011109.0 ~32:10/08/2023;33:CN ~31:202311227801.7 ~32:21/09/2023;33:CN ~31:202311552677.1 ~32:17/11/2023;33:CN ~31:202410052828.5 ~32:12/01/2024;33:CN ~31:202410173281.4 ~32:06/02/2024;33:CN ~31:202410407937.4 ~32:03/04/2024;33:CN ~31:202410426055.2 ~32:09/04/2024

2026/01362 ~ Provisional ~54:SCIENTIFIC LIQUIDS TESTER TO PROOF THE ORIGINALITIES OF ALCOHOLS AND SOFT DRINKS DIFFERENT BRANDS AGAINST ILLICIT ALCOHOLS AND SOFT DRINKS. ~71:MR PATJE T LEKHABUNYANE, 15 NATASHA STREET, South Africa ~72: Timothy P Lekhabunyane~ 33:ZA ~31:7511165615088 ~32:02/02/2026

2026/01370 ~ Provisional ~54:PRIVACY-PRESERVING DUAL-FLOW TRUST ARCHITECTURE FOR AUTHORIZATION OF RELIANCE ON AUTOMATED DECISION OUTPUTS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela~

2026/01374 ~ Provisional ~54:PHYSICAL FEEDBACK ENGINE FOR SAFE AUTONOMOUS MATERIAL-STATE TRANSFORMATION ~71:Microwave Solutions GmbH, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler;Prof. Dr. Florian Turk~

2026/01376 ~ Provisional ~54:QUANTUM EQUIVALENCE ENGINE: A DISTRIBUTED REGULATORY TRUST LAYER FOR ESTABLISHING MATERIAL-GRADE EQUIVALENCE BETWEEN COMPUTATIONAL OUTCOMES AND PHYSICAL EVIDENCE ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler;Prof. Dr. Florian Turk~

2026/01381 ~ Provisional ~54:AUTHORIZATION AND CONTROL OF TRUST STATE TRANSITIONS IN REGULATED COMPUTATIONAL SYSTEMS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01386 ~ Provisional ~54:KERNEL-ENFORCED RELIANCE ADMISSIBILITY FOR NON-DETERMINISTIC AND ANALOG COMPUTE OUTPUTS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01367 ~ Provisional ~54:SYSTEM AND METHOD FOR CUSTOMER-MANAGED MERCHANT-LEVEL PAYMENT AUTHORIZATION ~71:Steven Kgashane Malatji, 14 Leo Street Reyno Ridge, South Africa ~72: Steven Kgashane Malatji~

2026/01369 ~ Provisional ~54:MODULAR VIDEOLARYNGOSCOPY DEVICE ~71:Juandre Klopper, 26 Richter Avenue, South Africa ~72: Juandre Klopper~

2026/01375 ~ Provisional ~54:EXECUTION-BOUND TRUST ENFORCEMENT SYSTEM FOR NON-BYPASSABLE AUTHORIZATION OF AUTONOMOUS PHYSICAL OPERATIONS ~71:Microwave Solutions GmbH, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler;Prof. Dr. Florian Turk~

2026/01379 ~ Provisional ~54:PRE-COMMITTED AUTHORISATION AND ENFORCEMENT SYSTEM FOR REGULATED COMPUTATIONAL EXECUTION ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01366 ~ Provisional ~54:MULTI-METAL ANTIMICROBIAL COMPOSITIONS AND DELIVERY SYSTEMS FOR VETERINARY TOPICAL TREATMENT ~71:Ian McQueen, 18 Hoogenhout Crescent, South Africa ~72: Ian McQueen~ 33:ZA ~31:N/A ~32:01/02/2026

2026/01372 ~ Provisional ~54:SYSTEM AND METHOD FOR SOVEREIGN IDENTITY AND DELEGATED AUTHORITY FOR HUMAN AND NON-HUMAN COMPUTATIONAL AGENTS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela~

2026/01383 ~ Provisional ~54:KERNEL-GOVERNED TRUST STATE EVOLUTION AND ENFORCEMENT FOR FEDERATED DIGITAL– PHYSICAL SYSTEMS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01388 ~ Provisional ~54:TEMPORAL AND LIFECYCLE-BASED CONTROL OF COMPUTE OUTPUT RELIANCE ACROSS EXECUTION FLOWS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01400 ~ Complete ~54:AUTOMATIC KNOTTING SYSTEM FOR FLORAL GARLANDS ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: ABINAYA KUMARAGURU;DIVYA SOUNDARA RAJAN;PONNI VALAVAN MULLAI VENTHAN;SACHUDHA SAPPANI;VISHNU PRIYA KANNAN~

2026/01402 ~ Complete ~54:AUTOMATED ADJUSTABLE CHAIR ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. KIRAN BALA BENNY;NAVEEN KUMAR MANICKA VASU~

2026/01422 ~ Complete ~54:IMPROVED FCRN ANTAGONISTS FOR TREATMENT OF IGG-RELATED DISEASES AND DISORDERS ~71:ABLYNX NV, Technologiepark 21, Belgium;SANOFI, 46 avenue de la Grande Armée, France ~72: VAN BOGAERT, Tom;VERHELST, Judith~ 33:EP ~31:23306136.5 ~32:05/07/2023

2026/01426 ~ Complete ~54:SEALING DEVICE FOR POSITIONING POINTS IN HOLES OF PROCESS GROUTING ~71:Anhui University of Science and Technology, Tianjia'an District, Huainan City, Anhui Province, People's Republic of China ~72: Chao Qi;Hongda Wang;Jucai Chang;Lei Fan;Li Lin;Lianghuan Yan;Tuo Wang;Yijun Guo;Zhiqiang Yin~ 33:CN ~31:202411446082.2 ~32:16/10/2024

2026/01436 ~ Provisional ~54:A METHOD OF PREPARATION OF AMNIOTIC MEMBRANE ~71:Cleopatra Ndhlovu, 4261 Paisley Avenue Bluevalley Gold Estate, Kosmosdal, South Africa ~72: Cleopatra Ndhlovu~

2026/01392 ~ Complete ~54:AUTOMATIC PESTICIDE SPRAYING DEVICE WITH ADJUSTABLE ATOMIZATION FOR ORCHARDS ~71:Weihai Academy of Agricultural Sciences, Weihai Academy of Agricultural Sciences, No. 411, Tongyi Road, Huancui District, Weihai City, Shandong Province, People's Republic of China ~72: LV Yi~

2026/01395 ~ Complete ~54:A WIDE-DEPTH DOUBLE-ADJUSTMENT RIDGING DEVICE FOR POTATO PLANTING ~71:Changjiang Guangling Agricultural Technology Co., Ltd., No. 83, Changjiang Avenue, Shilu Town, Changjiang Li Autonomous County, Hainan Province, 572700, People's Republic of China;Hainan Seed Industry Laboratory, Building 1, No. 7 Yiju Road, Yazhou Bay Science and Technology City, Yazhou District, Sanya City, Hainan Province, 570203, People's Republic of China;Sanya Institute of Breeding and Multiplication, Hainan University, No. 5, Jindao Road, Yazhou District, Sanya City, Hainan Province, 572025, People's Republic of China ~72: HUANG, Hefei;LI, Yujie;LUO, Zhiyong;SI, Chengcheng;SUN, Tong;ZHU, Zijian~ 33:CN ~31:202610057644.7 ~32:16/01/2026

2026/01399 ~ Complete ~54:VERTICAL SUGARCANE JUICE EXTRACTER SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Elumalai Sivaperumal;Gokul Udayakumar;Kalai Praveen Raj Kalaisekaran;Mohanakrishnan Amarnath;Sridharan Selva Kumar~

2026/01406 ~ Complete ~54:AN AUTONOMOUS CORAL RESTORATION DRONE SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: ALIN JUDITH ABEL;GAYATHRI CHELLA PANDIYAN;SANGAMITHRA SARAVANAN;SUBRAMANIYA SIVA AYYAR;YAAKSHINI MURUGANANDAM~

2026/01413 ~ Complete ~54:RAILWAY ACCIDENT DETECTION SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: DHARANISHA THANGAPANDI RENUKA DEVI;GOPIKA GUNASEKARAN;KIRUBA ABIGAIL RAJENDRAN;NAVIYA BABU;RAMA BALASUBRAMANIAN~

2026/01418 ~ Complete ~54:AN EXTEND LOAD TRAY SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Arulraj Rajendran;Gautham Chandrasekar;Niranjan Rengarajan;Prasanna Thiruvarangan~

2026/01423 ~ Complete ~54:SLURRY FEEDING ARRANGEMENT ~71:Metso Finland Oy, Rauhalanpuisto 9, ESPOO 02230, FINLAND, Finland ~72: BAYARMAGNAI, Enkhzul;DE AVILA CARVALHO, Marly;SHERRELL, Ian Michael~ 33:US ~31:18/352,375 ~32:14/07/2023

2026/01384 ~ Provisional ~54:KERNEL-ENFORCED TRUST ADMISSIBILITY AND EXECUTION GATING FOR DIGITAL–PHYSICAL OPERATIONS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01390 ~ Provisional ~54:CONTROL OF HUMAN-MEDIATED RELIANCE ON COMPUTE OUTPUTS AND DERIVED ARTEFACTS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01433 ~ Provisional ~54:SYSTEM NUMBER SEVEN PLUS ~71:STEPHANUS JOHANNES VAN DER WALT, 85 NICOL STREET, HEILBRON, South Africa ~72: STEPHANUS JOHANNES VAN DER WALT~

2026/01398 ~ Complete ~54:DRY OXYGEN BLOWING DEVICE ~71:WUHU HOSPITAL, EAST CHINA NORMAL UNIVERSITY (THE SECOND PEOPLE'S HOSPITAL, WUHU), No. 6 Duchun Road, Wuhu City, Anhui Province, People's Republic of China ~72: Chunlin Feng;Xinchun Fan~

2026/01405 ~ Complete ~54:A PROCESS FOR BIOGENIC SYNTHESIS OF ZINC OXIDE NANOPARTICLES USING PENICILLIUM CITRINUM FOR INSECTICIDAL APPLICATIONS AGAINST SPODOPTERA LITURA ~71:Dr. Pragya Kulkarni, Govt. V.Y.T. PG Autonomous College, Durg, Chhattisgar, India;Ms. Anamika Sharma, Govt. V.Y.T. PG Autonomous College, Durg, Chhattisgarh, India ~72: Dr. Pragya Kulkarni;Ms. Anamika Sharma~

2026/01408 ~ Complete ~54:SELF SERVICE PRINTING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: SARUTHI BHARATHITHASAN;SOUNDHARYA SUBRAMANI;VINCY LEENA FRANCIS~

2026/01410 ~ Complete ~54:AI ORAL READING PEN SPELLING MISTAKE DETECTOR SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: BHAVANI PALANIVEL;NAGASUNDAR MUTHUVEERAPPAN;TAMIL JEEVAN MUTHAMILSELVAN;VIDYA SRI SURESH~

2026/01420 ~ Complete ~54:METHOD AND DEVICE FOR PREDICTING BULL SEMEN QUALITY ~71:CHINA AGRICULTURAL UNIVERSITY, No.2 West Yuanmingyuan Road, Haidian District, People's Republic of China ~72: AN, Songyan;CHEN, Siqian;FENG, Xia;LI, Wenlong;TANG, Yongjie;YU, Ying~ 33:CN ~31:2023108034749 ~32:03/07/2023

2026/01424 ~ Complete ~54:RSV VACCINE ~71:AstraZeneca AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: BLAIR, Wade Stanton;KUROKAWA, Cheyne;LALIBERTE, Jason Paul~ 33:US ~31:63/514,277 ~32:18/07/2023

2026/01438 ~ Provisional ~54:PLASMA-CATALYTIC QUANTUM RESONANCE (PCQR) SYSTEM FOR DIRECT CO_2-TO-HYDROCARBON SYNTHESIS WITH INTEGRATED NANOTECHNOLOGY ENHANCEMENT ~71:Mokonyane Industries (Pty) Ltd, 376 Anchovy Road Vaal Marina, South Africa ~72: Sarah Kedibone Maracha Mashabane~ 33:ZA ~31:B01J19 ~32:02/02/2026

2026/01435 ~ Provisional ~54:ADAPTIVE HYPER-EFFICIENT SUPERSONIC TURBOJET ENGINE WITH MORPHING COMPRESSORS, PLASMA-ASSISTED COMBUSTION, AND AI-DRIVEN CONTROL ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01368 ~ Provisional ~54:PEER TO PEER TAP TRANSACTION METHODOLOGY ~71:Might Nxumalo, 459 Ormonde View, South Africa;Might Nxumalo, 459 Ormonde View, South Africa ~72: Kabelo Wordsworth Ikaneng~

2026/01371 ~ Provisional ~54:REGULATOR-ALIGNED EXPLAINABILITY AND CRYPTOGRAPHIC DECISION-PROVENANCE SYSTEM AND METHOD FOR AUTOMATED DECISION PROCESSES AFFECTING RIGHTS, SAFETY, OR FINANCIAL OUTCOMES INDEPENDENT OF INTERNAL MODEL LOGIC ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela~

2026/01377 ~ Provisional ~54:TRACEABILITY- AND UNCERTAINTY-BOUND EQUIVALENCE ENFORCEMENT SYSTEM FOR CERTIFIED SUBSTITUTION OF QUANTUM-GENERATED OUTCOMES ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler;Prof. Dr. Florian Turk~

2026/01378 ~ Provisional ~54:QUANTUM CAUSALITY AND REGULATORY TRUST SYSTEM FOR COMPLIANCE-CERTIFIED SUBSTITUTION OF PHYSICAL EXPERIMENTATION WITH DIGITAL COMPUTATION ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01385 ~ Provisional ~54:TRUST-GATED RELIANCE ON MICROWAVE AND ANALOG COMPUTE OUTPUTS IN HETEROGENEOUS COMPUTING SYSTEMS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01394 ~ Complete ~54:PREPARATION METHOD FOR SYNTHESIZING ZINC OXIDE-COPPER OXIDE BIMETALLIC NANOPARTICLES USING LACTOBACILLUS PLANTARUM FERMENTATION BROTH, AS WELL AS PREPARED PRODUCT AND APPLICATION THEREOF ~71:China University of Geosciences (Beijing), No. 29 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China;Yangtze University, 111 Daxue Road, Caidian District, Wuhan City, Hubei Province, 430100, People's Republic of China ~72: CAO, Gongze;HAN, Chunchun;HE, Jianhong;MA, Shasha;SHE, Yuehui;SUN, Shanshan;WANG, Zekun;ZHANG, Fan~

2026/01397 ~ Complete ~54:APPLICATION OF ISOEUGENOL IN THE PREPARATION OF INHIBITORS FOR PREVENTING AND CONTROLLING PEAR FIRE BLIGHT DISEASE AND PREPARATION OF ISOEUGENOL ~71:Xinjiang Acad Of Agricultural Sciences, No. 403 Nanchang Road, Shayibake District, Urumqi City, Xinjiang Uygur Autonomous Region, 831399, People's Republic of China ~72: Jing ZHU;Meiying GU;Qiyong TANG;Shengting GUO;Xiaojing LIU;Xue LI;Zhidong ZHANG~

2026/01404 ~ Complete ~54:AN AUTONOMOUS MARINE CLEANING SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: DHIVAKAR SUNDHARA MOORTHY;GABRIEL SANTHOSH KUMAR GUNASEELAN;MANIKKADEEPAN KARTHIKEYAN;NAVANEETHRAJ SELVARASU;SARAN AYINAMPILLAI~

2026/01407 ~ Complete ~54:NEURO-LIGHT SMART FOUNDATION SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Bhaskaran Senthil Raja Manokar;Pooja Sundarraj;Praveena Sathasivam~

2026/01417 ~ Complete ~54:A NAPKIN DISSOLUTION SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: LOGESHWARI ILAYAPERMAL;ROSELIN SUGANTHI JESUDOSS;SATHYA SANKAR;SUVATHI SIVA;YOGASHINI GANESAN~

2026/01363 ~ Provisional ~54:AERODYNAMIC CARGO POD SYSTEM FOR VEHICLES WITH INTEGRATED SOLAR POWER AND MODULAR ATTACHMENT MECHANISM ~71:Migcobo Thabo Namba, 19 Tippers Creek, 20 Ada Avenue, Bluewater bay, South Africa ~72: MIGCOBO THABO NAMBA~

2026/01364 ~ Provisional ~54:SYSTEM AND METHOD FOR FORMALIZING DIGITAL AGREEMENTS USING EPHEMERAL AUTHENTICATION KEYS ~71:Mohau Ditshego Vincent Chopo, 1 kina street, 45 Sunset Ridge, Randburg, 2195, South Africa ~72: Mohau Ditshego Vincent Chopo~

2026/01373 ~ Provisional ~54:AUTONOMOUS ADAPTIVE ELECTROMAGNETIC CONTROL SYSTEMS FOR CLOSED-LOOP INTERACTION WITH PHYSICAL MATTER ~71:Microwave Solutions GmbH, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Prof. Dr. Florian Turk~

2026/01380 ~ Provisional ~54:SYSTEM FOR MACHINE-ENFORCED TRUST STATE MANAGEMENT USING DUAL DIGITAL AND PHYSICAL EVIDENCE GENERATION AND BINDING PATHWAYS ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01389 ~ Provisional ~54:CONTROL OF RELIANCE ON DERIVED AND TRANSFORMED COMPUTE ARTEFACTS ACROSS EXECUTION PIPELINES ~71:Novitalis AG, Burgstrasse 15, Switzerland ~72: Annelie Stapela;Dayle Wheeler~

2026/01391 ~ Complete ~54:CRACK SEALING ROBOT FOR INTERIOR WALL OF TUNNEL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN, Xiaodong;HUANG, Peng;JIA, Haipeng;LOU, Yafei;WANG, Zhijia;WU, Wenlong~

2026/01403 ~ Complete ~54:AUTOMATIC RAIN RESPONSIVE WINDOW CLOSING SYSTEM IN BUS ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: AKSHIT JOSEPH PAULRAJ;AZARUDEEN ABDULLAH;Dr.RADHA NATARAJAN;JOE ALLWIN QUBET RAJ~

2026/01409 ~ Complete ~54:BOOK WRAPPING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Abinaya Muthubalasubramaniyan Subbulakshmi O;Angu Raguraman Venkatachalam;Dhaaraani Ravichandran;Sabreen Mahaboob Basha;Sathiya Priya Sundaravadhanam~

2026/01412 ~ Complete ~54:AI-BASED BEEHIVE MONITORING AND DIAGNOSTIC SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, INDIA- 621112, India ~72: KABILESH VIJAYAKUMAR PADMA;KARTHIK MANIVEL;KEERTHIVASAN RAJASEKAR;KRITHICK ANGUSAMY;MOUNESHWAR KARTHIKEYAN~

2026/01416 ~ Complete ~54:METHOD FOR PREPARING A FLOWER STIMULANT SOLUTION FOR INCREASING THE AGRICULTURAL CROP YIELD, AND COMPOSITION FOR THE SAME ~71:Dr. Amrut Gunwantrao Gaddamwar, Department of Chemistry, Amolkachand Mahavidyalaya, Godhani Road, Yavatmal, Maharashtra, - 445001, India;Dr. Gundu Mallikarjun, Government Degree College, Ibrahimpatnam, Ranga Reddy, Telangana, - 501506, India;Dr. Manojkumar Omprakash Malpani, Department of Chemistry, Shankarlal Khandelwal College, Godbole Plots Dabki road Akola - 444002, Maharashtra, India;Dr. Prashant Ghansham Borkar, Department of Chemistry, Bajaj College of Science (Autonomous), Jamnalal Bajaj Marg, Civil Lines, Wardha, Maharashtra - 442001, India;Dr. Vikas Madhukar Bangade, The Institute of Science Mumbai, Dr Homi Bhabha State University Mumbai, Maharashtra, India;Dr. Vivek Dudharam Mane, Department of Chemistry, Shankarlal Khandelwal Arts, Science and Commerce College, Godbole Plots, Dabaki Road, Akola, Maharashtra, India ~72: Dr. Amrut Gunwantrao Gaddamwar;Dr. Gundu Mallikarjun;Dr. Manojkumar Omprakash Malpani;Dr. Prashant Ghansham Borkar;Dr. Vikas Madhukar Bangade;Dr. Vivek Dudharam Mane~

2026/01428 ~ Complete ~54:RESERVE POWER OPTIMISATION ~71:VODAFONE GROUP SERVICES LIMITED, Vodafone House, The Connection, Newbury, United Kingdom ~72: ALI-ABULELA, Mohamed;GABER, Aymen;KHAFAGY, Mohamed;SAYED-ABDELGAWAD, Nahed;SAYED-AHMED, Kareem~ 33:GB ~31:2312069.4 ~32:07/08/2023

2026/01415 ~ Complete ~54:A PROCESS FOR GREEN SYNTHESIS OF EUROPIUM-DOPED CADMIUM SULFIDE (CDS:EU) NANOCRYSTALLINE THIN FILMS ~71:Dr. Jagjeet Kaur Saluja, Govt. VYT PG Autonomous College, Near GE Road, Durg – 491001, Chhattisgarh, India;Dr. Kusumanjali Deshmukh, Govt. VYT PG Autonomous College, Near GE Road, Durg - 491001, Chhattisgarh, India;Ms. Sapna Soni, Govt. VYT PG Autonomous College, Near GE Road Durg 491001 Chhattisgarh, India ~72: Dr. Jagjeet Kaur Saluja;Dr. Kusumanjali Deshmukh;Ms. Sapna Soni~

2026/01421 ~ Complete ~54:GRINDING PATH PLANNING METHOD BASED ON CURVATURE PERCEPTION AND TOOL POSTURE COLLABORATIVE OPTIMIZATION ~71:ANHUI POLYTECHNIC UNIVERSITY, BEIJING MIDDLE ROAD, JIUJIANG DISTRICT, WUHU, People's Republic of China ~72: HUA Sukun;LIU Youyu;LU Junhao;MA Shengwang;WAN Yucheng;WANG Qiang;ZHANG Kun~ 33:CN ~31:202511878724.0 ~32:12/12/2025

2026/01425 ~ Complete ~54:TOOL HOLDER APPARATUS, A TOOL, AND A METHOD OF WORKING AN OBJECT WITH A TOOL ~71:Nelson Mandela University, Room 1207, 12th Floor, Main Building, Summerstrand Campus (South), University Way, Port Elizabeth 6031, SOUTH AFRICA, South Africa ~72: HATEFI, Shahrokh;SMITH , Farouk~ 33:NL ~31:2035244 ~32:03/07/2023

2026/01431 ~ Complete ~54:HIGHLY MOBILE, COST-EFFICIENT, INTEGRATED, LOW ENVIRONMENTAL DISTURBANCE EQUIPMENT SYSTEM AND METHOD FOR SURFACE MINERAL EXPLORATION DIAMOND CORE DRILLING ~71:EARTH AI INC., 400 Concar Dr., San Mateo, California, 94402, United States of America ~72: ROMAN TESLYUK~ 33:US ~31:63/328,117 ~32:06/04/2022

2026/01437 ~ Provisional ~54:SYSTEM FOR PREDICTING AND ENHANCING DROUGHT RESILIENCE IN SORGHUM USING GRAPH-BASED MODELING OF GENOMIC AND ENVIRONMENTAL DATA ~71:Geir Tellefsen, 9 Roderickway, South Africa ~72: Geir Tellefsen~

2026/01361 ~ Provisional ~54:SYSTEM AND METHOD FOR PRIVACY-PRESERVING AGE ASSURANCE USING BLIND-ISSUED PSEUDONYMOUS TOKENS, ZERO-KNOWLEDGE PROOFS, OFFLINE VERIFICATION, AND ANTI-COVERTIDENTIFIER ENFORCEMENT ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01365 ~ Provisional ~54:BUFFERED IONIC SILVER COMPOSITIONS AND METHODS FOR VETERINARY PARENTERAL AND AEROSOL ADMINISTRATION ~71:Ian Drummond McQueen, 18 Hoogenhout Cres, South Africa ~72: Ian McQueen~ 33:ZA ~31:N/A ~32:01/02/2026

2026/01430 ~ Provisional ~54:BENEFICIAL LOOPING CARRIAGE ~71:HILTON BRIAN THOMAS, 309 THORA COURT, KITE STR, HORISONS, South Africa ~72: HILTON BRIAN THOMAS~

. - APPLIED ON 2026/02/04 -

2026/01498 ~ Complete ~54:DECODER-SIDE INTRA MODE DERIVATION MERGE IMPROVEMENTS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ASTOLA, Pekka;BLASI, Saverio;LAINEMA, Jani~ 33:US ~31:63/513,165 ~32:12/07/2023

2026/01502 ~ Complete ~54:2-PHENOXY-1-(4-(ALKYLSULFONYL)PIPERIDIN-1-YL)ETHAN-1-ONE AND 3-PHENYL-1-(4-(ALKYLSULFONYL)PIPERIDIN-1-YL)PROP-2-EN-1-ONE DERIVATIVES AS GPR183 ANTAGONISTS FOR THE TREATMENT OF CHRONIC PAIN ~71:Orion Corporation, Orionintie 1, ESPOO FI-02200, FINLAND, Finland ~72: AHLMARK, Marko;HAIKARAINEN, Anssi;KOIVISTO, Ari-Pekka;KUMPULAINEN, Esa;SAHARI, Aleksi;TURKU, Ainoleena;VÄISÄNEN, Emilia~ 33:FI ~31:20237131 ~32:05/07/2023

2026/01509 ~ Complete ~54:PUMP ACTUATOR ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: GREGORY LALIER~ 33:US ~31:63/534,684 ~32:25/08/2023;33:EP ~31:23202269.9 ~32:06/10/2023

2026/01445 ~ Complete ~54:TISSUE CULTURE RAPID PROPAGATION MEDIUM AND PROPAGATION METHOD FOR APPLE REPLANT DISEASE-RESISTANT DWARF ROOTSTOCK G41 ~71:Shandong Institute of Pomology, No.66 Longtan Road, Tai'an City, Shandong Province, People's Republic of China ~72: CHEN Ru;WANG Laiping;XUE Xiaomin~

2026/01452 ~ Complete ~54:AN ENERGY-SAVING CIRCULAR AQUACULTURE SYSTEM ~71:Tongwei Agricultural Development Co., Ltd, No. 588, Middle Section of Tianfu Avenue, Chengdu High-tech Zone, China (Sichuan) Pilot Free Trade Zone, Chengdu, Sichuan Province, People's Republic of China ~72: Fan Boya;Li Baosheng;Mi Haifeng;Xue Chunyu;Yin Heng~ 33:CN ~31:2025103537435 ~32:25/03/2025

2026/01470 ~ Complete ~54:FISH GILLS CLEANING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. JAI GANESH RAJENDRAN~

2026/01480 ~ Complete ~54:HYDRAULIC POWERED SOLAR PANEL MOUNTING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. GODWIN ANTONY AROCKIARAJ;Mr. KARUNAKARAN RAMACHANDRAN;Mr. MOHAN BHASKARAN;Mr. PRAJEN BALAMURUGAN;Mr. LAYA ANTO GNANAJOHNNIKKOLUS~

2026/01486 ~ Complete ~54:WATER PURIFICATION USING SYNTHESIZED JAVA WOOD COMPOUNDS ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. DEEPAN KUMAR MADHU;Mr. MUKILAN KUMANAN;Mr. VISVAJEET RAMESH KUMAR~

2026/01497 ~ Complete ~54:A SYSTEM AND A METHOD OF USING SEQUENTIAL NUMBERING TO DETECT A FRAUDULENT TELEPHONE CALL WITHIN A TELEPHONE SYSTEM ~71:PHISHFLAGGER INC., 2300 Yonge Street,, Suite 1600 Toronto,, Ontario M4P 1E4 (CA), Canada ~72: WILLIAM, Pearce~ 33:IN ~31:202311045176 (IN) ~32:05/07/2023

2026/01512 ~ Complete ~54:A PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: XUELAN GU;ZHUANG ZHOU~ 33:CN ~31:PCT/CN2023/114536 ~32:23/08/2023;33:EP ~31:23201725.1 ~32:05/10/2023

2026/01519 ~ Provisional ~54:SYSTEM AND METHOD FOR PRECISION GEOSPATIAL DIGITAL MAPPING, VERIFICATION, AND MANAGEMENT OF GRAVE AND MEMORIAL LOCATIONS ~71:Itumeleng Motaung, 132 Moseu Street Moseleke, South Africa;Thulani Cedrick Dlamini, 16 Nonyana Street Monise, South Africa ~72: Itumeleng Motaung;Thulani Cedrick Dlamini~

2026/01504 ~ Complete ~54:FUSED PYRIDINES FOR THE TREATMENT OF CANCER AND OTHER INDICATIONS ~71:LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, 7000 East Avenue, P.O. Box 808, L-703, LIVERMORE 94550, CA, USA, United States of America;LEIDOS BIOMEDICAL RESEARCH, INC., P.O. Box B, 1050 Boyles Street, FREDERICK 21702, MD, USA, United States of America;THERAS, INC., 1 Corporate Drive, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: CZYZYK, Daniel J.;LIGHTSTONE, Felice;SIMANSHU, Dhirendra Kumar;SINGH, Swapnil;TURNER, David Michael;WALLACE, Eli;WANG, Bin;WEHN, Paul;XU, Rui;YANG, Yue;YERABOLU, Jayasudhan Reddy~ 33:US ~31:63/518,242 ~32:08/08/2023;33:US ~31:63/666,479 ~32:01/07/2024

2026/01508 ~ Complete ~54:DEODORANT COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: LINDA JANE WAINWRIGHT;LISA MARIE SCOTT;LYNDA GRAINGER;TAMMY BASKERVILLE~ 33:EP ~31:23191403.7 ~32:14/08/2023

2026/01444 ~ Complete ~54:HIGH-EFFICIENCY ELECTRIC ENERGY CYCLIC CONVERSION AND UTILIZATION APPARATUS ~71:Mingde Zhao, Room 602, Unit 1, Building 17, No. 24 Jindong Road, Jincheng Town, Jinning County, Kunming City, Yunnan Province, People's Republic of China ~72: Mingde Zhao~

2026/01461 ~ Complete ~54:SPREADABLE SUBSTANCE DISPENSER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: JAIVARSHAN GANESAN;Mr. GIRI DEEPESH SUNDARARAJAN;Mr. HARIHARAN RAJAKUMAR;Mr. KAMALESH SEKAR;Mr. MAATHESH KRISHNAN RADHA KRISHNAN~

2026/01463 ~ Complete ~54:AUTOMATIC JASMINE FLOWER TYING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. HEMCHUDESH ASHOKAN;Mr. NAGULAN MURUGESAN;Ms. HARINI NAGARAJU;Ms. SHALINI RAMESH;Ms.HEMA RAMACHANDRAN;Ms.VARSHINI VISWANATH~

2026/01479 ~ Complete ~54:MOTORCYCLE HELMET MASSAGE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. HEMCHUDESH ASHOKAN;Mr. NAGULAN MURUGESAN;Ms. HARINI NAGARAJU;Ms. SHALINI RAMESH;Ms.HEMA RAMACHANDRAN;Ms.VARSHINI VISWANATH~

2026/01515 ~ Complete ~54:A PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: XUELAN GU~ 33:CN ~31:PCT/CN2023/114537 ~32:23/08/2023;33:EP ~31:23201727.7 ~32:05/10/2023

2026/01451 ~ Complete ~54:A FEED MIXING DEVICE ~71:Tongwei Agricultural Development Co., Ltd, No. 588, Middle Section of Tianfu Avenue, Chengdu High-tech Zone, China (Sichuan) Pilot Free Trade Zone, Chengdu, Sichuan Province, People's Republic of China ~72: Ling Xiaodong;Mi Haifeng;Wang Wugang;Yin Heng;Zhang Lu;Zhao Cheng~ 33:CN ~31:2025104429993 ~32:10/04/2025

2026/01455 ~ Complete ~54:DYNAMIC CLOTHING TAGS ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr.DHARANIDHARAN PUYALNATHAN;Mr.MURALI KRISHNAN TIRUPPATTI;Mrs.GOWRI VELANKANNI;Ms.HARIENI BASKARAN;Ms.LIBINA XAVIER~

2026/01472 ~ Complete ~54:POSTER PASTING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. G. ARUNKUMAR GNAPATHY;Mr. NOVAE NATHAN AMALORPAVA RAJAN;Mr. PREM NIVASH MUTHUKUMAR;Ms. PRITHIKA KARTHIKEYAN;Ms. SRINITHI VALLARASAN;Ms. VALARMATHI MUNIYASAMY~

2026/01473 ~ Complete ~54:SMART BASKET FOR IDENTIFICATION OF ORGANIC AND INORGANIC FRUITS ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. Jeyasudha SEKARAN;Mr. Suresh Kumar Velusamy;Ms. Latha Periyasamy~

2026/01488 ~ Complete ~54:ROTARY INDEXING JOB HOLDER FOR MILLING MACHINE WITH ANGULAR LOCKING MECHANISM ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Aravinth Bala Rajendran;Hari Prasath Mani Vannan;Hari Raja Thangam;Jana Harimath Sathya Seelan;Kevin Raj Albert Sagayaraj;Rajkumar Tamilarasan~

2026/01492 ~ Complete ~54:AN INTELLIGENT CANE WITH TWO ULTRASONIC SENSORS FOR DETECTION OF BOTH LOW-LEVEL AND HIGH-LEVEL OBSTACLES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KARANDE, Yash Krishnath;KODMELWAR, Manohar Krishnarao;OZA, Meet Dilip;RAJPUT, Mahesh Mangalsing;SHINGADE, Suraj Ramchandra;WANKHADE, Shalini Vaibhav~

2026/01499 ~ Complete ~54:METHODS OF INHIBITING FIBRIL GROWTH ~71:UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, 400 W Summit Hill Dr., UT Tower 961A, United States of America ~72: WALL, Jonathan S.;WILLIAMS, Angela Dawn~ 33:US ~31:63/520,007 ~32:16/08/2023

2026/01503 ~ Complete ~54:METHOD OF FORMING A SYNGAS ~71:JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: ABBOTT, Peter Edward James;HINTON, Graham Charles;SCHUYTEN, Stephen John~ 33:GB ~31:2313695.5 ~32:08/09/2023;33:US ~31:63/600,044 ~32:17/11/2023

2026/01517 ~ Provisional ~54:A SOLAR-POWERED ROAD STUD (CAT EYE) FOR ENHANCED VISIBILITY IN LOW-LIGHT AND ADVERSE WEATHER CONDITIONS AND POWER OUTAGES ~71:CAMERON BLAKE VALOO, 234 MARINE DRIVE, OCEANVIEW, BLUFF, DURBAN, South Africa;LIAM LUKE VALOO, 234 MARINE DRIVE, OCEANVIEW, BLUFF, DURBAN, South Africa;WENDY JASMINE VALOO, 234 MARINE DRIVE, OCEANVIEW, BLUFF, DURBAN, South Africa ~72: CAMERON BLAKE VALOO;LIAM LUKE VALOO;WENDY JASMINE VALOO~

2026/01440 ~ Provisional ~54:GREEN BIO-ENGINEERED COPPER SULPHIDE NANOSTRUCTURES FOR THE REMEDIATION OF ARSENIC-CONTAMINATED WATER ~71:UNIVERSITY OF SOUTH AFRICA, 1 PRELLER STREET MUCKLENEUK RIDGE, South Africa ~72: AKBARI, Mahmood;AZIZI, Shohreh;KHAMENEI, Aylar Shams;MAAZA, Malik;MADIBA, Itani~

2026/01446 ~ Complete ~54:DEEP SEPARATION METHOD OF COPPER-ZINC MIXED ORE ~71:Central South University, Zuojialong, Yuelu Mountain, Changsha City, Hunan Province, 410200, People's Republic of China ~72: MENG Xiaoyu;SHEN Louyan;ZHANG Yisheng;ZHAO Hongbo~

2026/01448 ~ Complete ~54:RHIZOMA DIOSCOREAE ENZYME LIQUID AND PREPARATION METHOD THEREFOR ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: FANG, Gaixia;GUO, Duanqiang;GUO, Yuping;HONG, Jun;HUANG, Weiwei;LU, Min;WANG, Dongmei;WANG, Weimin;WANG, Xue;WANG, Yanhong~

2026/01449 ~ Complete ~54:IOT OPERATION AND MAINTENANCE HANDHELD TERMINAL TEACHING SYSTEM INTEGRATING MULTIPLE SENSORS ~71:Sichuan Post and Telecommunication College, No. 536 Jingkang Road, Yidu Avenue, Chengdu City, Sichuan Province, 610000, People's Republic of China ~72: Shen TIAN~

2026/01453 ~ Complete ~54:SAND DRY SPRAY ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. PRAJEN BALAMURUGAN;Mrs. ARULSELVI PERUMAL;Ms. AIYESHA SHITHIKKA ABDUL RAHMAN;Ms. KARTHIKA RAVICHANDRAN;Ms. VALARMATHI MUNIYASAMY~

2026/01454 ~ Complete ~54:FASHION SMART BELT ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. AVUDAIAPPAN THARMIAH;Mr. DHINESH KUMAR ARUMUGAM;Mr. KAMALESH ARUMUGAM;Mr. MUKILAN KUMANAN;Mr. ROSHAN JOSHUA RAJASEKARAN;Mr. VISVAJEET RAMESH KUMAR~

2026/01456 ~ Complete ~54:TRADITIONAL TILE MAKING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. ARUNKUMAR GANAPATHY;Mr. DARRUNSITASH MUTHUKRISHNAN;Mr. KARUNAKARAN RAMACHANDRAN;Mr. MUKILAN KUMANAN;Mr. VISVAJEET RAMESH KUMAR;Ms. DEVADHARSHINI JAMBULINGAM~

2026/01459 ~ Complete ~54:FLOOR CLEANING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Kavin Nilavan Parthiban;Kevin Raj Albert Sagayaraj;Prakash Mani Kannan;Premkumar Ramanathan;Senthilkumar Thangarajan Sivasankaran~

2026/01468 ~ Complete ~54:REMUL TRAVELLER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. Manikandan Murugesan;Dr. Velmurugan Murugan;Gowtham Selvakumar;Priyan Anbalagan;Saranya Srinivasan;Subashini Muthukumar~

2026/01475 ~ Complete ~54:FOOT SIZE CALCULATING MAT ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. Duraivenkat saravanan;Mr. Mohamed Ammar Mohamed Ali;Mrs. Jaya Ratnam Popuri;Ms. Nandhini Gopalakrishnan;Ms. Narmatha Velliyangiri~

2026/01477 ~ Complete ~54:BANANA FLOWER FLORET EXTRACTOR ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. HEMCHUDESH ASHOKAN;Mr. NAGULAN MURUGESAN;Mrs.SHYAMALA CHANDRASEKARAN;Ms. HARINI NAGARAJU;Ms. SHALINI RAMESH;Ms.VARSHINI VISWANATH~

2026/01482 ~ Complete ~54:SLEEPER ARRANGEMENT, TRACK SYSTEM AND A METHOD OF ADAPTING/REHABILITATING A BALLASTED TRACK ~71:CRAIG TENGSTRÖM, 25 Clyde Street, Murrayfield, Pretoria, 0184, South Africa;IZAK VAN DER LINDE, 10A Laffnie Street, Ermelo, 2350, South Africa ~72: CRAIG TENGSTRÖM;IZAK VAN DER LINDE~ 33:ZA ~31:2025/06382 ~32:30/07/2025

2026/01489 ~ Complete ~54:INTEGRATED TRUCK CONVEYOR SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. VIJAYAN VENKATRAMAN;PARTHA SARATHI BASKAR;ROOPAN VIGNESH VIJAY KUMAR;SACHIN JAYAPRAKASH;SHRIRAM SUJIN VEERABATHIRAN~

2026/01496 ~ Complete ~54:PROBABILISTIC EVALUATION OF STEAM GENERATOR TUBE DEGRADATION WITH STATISTICAL SAMPLING AND ARTIFICIAL INTELLIGENCE ~71:FRAMATOME INC., 3315 Old Forest Road, United States of America ~72: KELLEY, Craig;MATTHEWS, M. Todd;THALLAPRAGADA, Pavan;TROYER, Greg~ 33:US ~31:63/533,074 ~32:16/08/2023

2026/01500 ~ Complete ~54:CAN LID ~71:TOP CAP HOLDING GMBH, Untere Sparchen 50, Austria ~72: PIECH, Gregor Anton~ 33:DE ~31:10 2023 109 425.4 ~32:14/04/2023

2026/01507 ~ Complete ~54:AN INSECT TRAP ~71:RENTOKIL INITIAL 1927 PLC, Compass House, Manor Royal, Crawley, RH10 9PY, United Kingdom ~72: MATTHEW GREEN;MICHAEL BEST;VICKY RANDS~ 33:GB ~31:2311220.4 ~32:21/07/2023

2026/01516 ~ Complete ~54:FIVE-MEMBERED HETEROARYL COMPOUND AND AGRICULTURAL AND HORTICULTURAL BACTERICIDE ~71:NIPPON SODA CO., LTD., 2-7-2, Marunouchi, Chiyoda-ku, Tokyo, 1007010, Japan ~72: HARUKA NISHIKI;HIROTO SUZUKI;HIROYUKI KOBAYASHI;KENTO KUBOTA;KOTARO SHIBAYAMA;SHUNTARO KASHIWA;TOMOYUKI SAIGA;YUKA NAKAMURA~ 33:JP ~31:2023-131664 ~32:10/08/2023;33:JP ~31:2024-007491 ~32:22/01/2024;33:JP ~31:2024-068592 ~32:19/04/2024

2026/01439 ~ Provisional ~54:SYSTEM AND METHOD FOR CONTROLLED DISCOVERY, SELECTION, RANKING, AND DEPLOYMENT OF EMERGENT INTELLIGENCE SYSTEMS USING INTERNAL COMPETITIVE SIGNALS ~71:Kabelo Mosotho, 13 cheetah street, South Africa ~72: Kabelo Mosotho~

2026/01441 ~ Complete ~54:A ANTI-BLOCKING ROTARY TILLAGE DEVICE FOR SIMULTANEOUS APPLICATION OF WATER AND FERTILIZER IN SWEET POTATO PLANTING ~71:Changjiang Guangling Agricultural Technology Co., Ltd., No. 83, Changjiang Avenue, Shilu Town, Changjiang Li Autonomous County, Hainan Province, 572700, People's Republic of China;Hainan Seed Industry Laboratory, Building 1, No. 7 Yiju Road, Yazhou Bay Science and Technology City, Yazhou District, Sanya City, Hainan Province, 570203, People's Republic of China;Sanya Institute of Breeding and Multiplication, Hainan University, No. 5, Jindao Road, Yazhou District, Sanya City, Hainan Province, 572025, People's Republic of China ~72: HUANG, Hefei;LI, Yujie;LUO, Zhiyong;SI, Chengcheng;SUN, Tong;ZHU, Zijian~ 33:CN ~31:202610057653.6 ~32:16/01/2026

2026/01457 ~ Complete ~54:CARBON CAPTURER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. K. MUKILAN KUMANAN;Mr. VISVAJEET RAMESH KUMAR;Mrs. DEENA ROSE DEVASAHAYAN;Ms. AKSHAYAMATHI DASS;Ms. GIRITHA PRABAKAR;Ms. RAKSHANA PONNUSAMY~

2026/01464 ~ Complete ~54:SEMI-AUTOMATED COCONUT TREE CLIMBING AND CUTTING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Godwin Antony Arockiaraj;Prakash Mani Kannan;Premkumar Ramanathan;Priyadharshini Nagaraj;Vishva MuthuSamy~

2026/01481 ~ Complete ~54:DEVICES AND METHODS FOR THE PREPARATION OF A NUTRITIONAL FORMULA ~71:ALCRESTA THERAPEUTICS, INC., One Newton Executive Park, Suite 100, Newton, Massachusetts, 02462, United States of America ~72: ALBERT ARCHIE STONE;DAVID BROWN;ERIC FIRST~ 33:US ~31:62/556,700 ~32:11/09/2017;33:US ~31:62/643,394 ~32:15/03/2018;33:US ~31:16/123,712 ~32:06/09/2018

2026/01487 ~ Complete ~54:HYBRID INDUCTION STOVE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. ARUN KUMAR GANAPATHY;Mr. RAJARETHINAM SHANKAR;Mr. DHIVAGAR RANJITH;Mr. RISHI BALAKUMAR;Mr. VIGNESHWARAN SUBRAMANIAN~

2026/01491 ~ Complete ~54:A TEMPERATURE-CONTROLLED FOODSERVICE UNIT ~71:Thermodyne Food Service Products, Inc., 4410 New Haven Avenue, Fort Wayne, Indiana 46803, United States of America ~72: David C. Schenkel;Mark Blasi;Tim P. Tippmann~ 33:US ~31:19/048,382 ~32:07/02/2025

2026/01513 ~ Complete ~54:A DISHWASH COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DEBORAH WILLIAMS;EMMA JANE SAUNDERS;NAMISHA MOHAPATRA;PHILIP CAUNT;RAMITHA KALATHIL;ROBERT JOHN CARSWELL;SAMIRAN MAHAPATRA;SANDEEP VARMA;SRILAXMI VENKATA MEDEPALLI~ 33:EP ~31:23202122.0 ~32:06/10/2023

2026/01450 ~ Complete ~54:A FEEDING METHOD FOR GRASS CARP REPRODUCTION ~71:Tongwei Agricultural Development Co., Ltd, No. 588, Middle Section of Tianfu Avenue, Gaoxin District, Chengdu City, Sichuan Province, People's Republic of China ~72: Huang Tianyu;Li Tingting;Mi Haifeng;Wang Wugang;Yin Heng;Zhang Lu~ 33:CN ~31:2025116239684 ~32:07/11/2025

2026/01462 ~ Complete ~54:SMART SIM EJECTOR SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr Sathishkumar Gurusamy;Prakash Mani Kannan;Raja Murugan;Vishva MuthuSamy~

2026/01466 ~ Complete ~54:VEIN SPOTTING AID FOR SYRINGES ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. HEMCHUDESH ASHOKAN;Mr. NAGULAN MURUGESAN;Ms. HARINI NAGARAJU;Ms. SHALINI RAMESH;Ms.HEMA RAMACHANDRAN;Ms.VARSHINI VISWANATH~

2026/01471 ~ Complete ~54:DROPCUP – A RETRACTABLE PRECISION EYE DROP DISPENSER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. PRAVEENKUMAR ARUMUGAM;Mr. PURUSHOTHAMAN KANNAN;Mr. SREERAM SIVAKUMAR PACKIALAKSHMI;Mr. THOMAS LIVINGSTON GNANAPRAKASAM;Mr.MANJUNATHAN ALAGARSAMY~

2026/01474 ~ Complete ~54:SMART TOOTH SENSOR STICKER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. SYEDAKBAR SYED YUSUFF;Mr. KARTHIK SENTHIL KUMAR;Ms.ASMAA SULTHANA ABDUL RAHIM;Ms.HARINI MURUGESON;Ms.KRISHNA KUMARI RAMESHWAR SINGH~

2026/01483 ~ Complete ~54:SMART CHOPPER BOARD WITH AI HYGIENE DETECTOR ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr.CHANDRU RAMESH;Mr.KAMALESHWARAN GANESHKUMAR;Ms.ATCHAYA CHANDRASEKARAN;Ms.DHANUSRI NAGA MUTHU;Ms.GEERTHANA SELVARAJU~

2026/01442 ~ Complete ~54:AUTOMATIC DATA GOVERNANCE METHOD BASED ON MULTIMODAL LARGE MODEL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN, Saifeiyang;WANG, Xiwei;ZHANG, Yunxia;ZHANG, Zhentuan~

2026/01460 ~ Complete ~54:SMART FRACTURE HEALER MONITORING FLEXIBLE ANTENNA ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. SYEDAKBAR SYED YUSUFF;Mr. HARISH SHIVENDRA BHARATHI;Mr. SARAVANAN TAMILVANAN;Mr. SHAVIPIN AKBARKHAN;Mr. SIMI MATHEW AROKIARAJ~

2026/01467 ~ Complete ~54:SMART LICE KILLING COMB ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. JAIGANESH RAJENDRAN~

2026/01478 ~ Complete ~54:SKIN INTERACTION ANALYZER FOR COSMETIC SAFETY AND AUTHENTICATION ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. Jeyasudha Segaran;Mrs. Vijayalakshmi Sundharesan;Ms. Latha Periyasamy~

2026/01494 ~ Complete ~54:A TINYML BASED EMBEDDED SYSTEM FOR REAL-TIME ANOMALY DETECTION IN MECHANICAL EQUIPMENT USING VIBRATION DATA ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHONDE, Harsh Sanjay;HAKIM, Abdeali Abdulhussain;KUNJEER, Ashutosh Yogesh;MAHALLE, Parikshit N.;SUPLE, Kaiwalya Pramod;WANKHADE, Shalini Vaibhav~

2026/01506 ~ Complete ~54:INTELLIGENT DETECTION METHOD AND SYSTEM FOR GASTROINTESTINAL CANCER CELLS BASED ON DEEP LEARNING, MEDIUM, AND DEVICE ~71:CENTRAL HOSPITAL OF MINHANG DISTRICT SHANGHAI, No. 170 Xinsong Road Minhang District, People's Republic of China ~72: Sheng Xia;Yuan Chunyan~ 33:CN ~31:202310947159.3 ~32:28/07/2023

2026/01514 ~ Complete ~54:P- AND E-SELECTIN-BINDING COMPOSITIONS AND METHODS OF USE THEREOF ~71:BIGHAT BIOSCIENCES, INC., 1900 Alameda de las Pulgas, Suite 400, San Mateo, California, 94403, United States of America ~72: HUNTER ELLIOTT;PEYTON GREENSIDE;RYAN HENRICI~ 33:US ~31:63/528,316 ~32:21/07/2023

2026/01443 ~ Complete ~54:ENERGY-ABSORBING BOX BASED ON NEGATIVE POISSON'S RATIO STRUCTURE AND DESIGN METHOD THEREOF ~71:Zhejiang University of Science and Technology, No. 318 Liuhe Road, Xihu District, Hangzhou, Zhejiang Province, 310023, People's Republic of China ~72: DAI Jiahao;FEI Zhengshun;HUANG Bingqiang;LI Yang;LOU Guidong;SONG Leipeng;XIANG Xinjian;XU Xiaozhou;ZHANG Zhenyi;ZHENG Yongping~

2026/01447 ~ Complete ~54:SIMULATION TEST SYSTEM AND TEST METHOD FOR EXCAVATION AND SUPPORT OF FREEZE-SEALED UNDERGROUND NON-UNIFORM THICKNESS FROZEN SOIL ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, Nanhu Campus, China University of Mining and Technology, No. 1 Daxue Road, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;SHANGHAI FOUNDATION ENGINEERING GROUP CO., LTD., No. 231, Minxing Road, Yangpu District, Shanghai, 200433, People's Republic of China ~72: Baosheng WANG;Chi ZHANG;Tao HAN;Tingting LUO;Weihao YANG;Wenqiang JIA;Wenqiang ZHAO;Yang ZHOU;Yu ZHANG;Yuming CHEN;Zeliang HAN;Zhijiang YANG~ 33:CN ~31:2025103626246 ~32:26/03/2025

2026/01458 ~ Complete ~54:AUTOMATIC CURRENCY EXCHANGE ATM MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Ms. SHABA ANISH ABIDEEN MOHAMED;Ms. SHREYA SARAVANAN;Ms. SHRUTHIKA AMBEDKAR;Ms.GEERTHANA SELVARAJU;Ms.VAISHNAVI NATARAJAN~

2026/01465 ~ Complete ~54:RAIN PROTECTIVE CRICKET PITCH COVERING SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. RAJAH SITHAMBARAM MUTHUKUMAR;Mr. RAJARAJAN RAJASEKARAN;Mr. RAVI SHANKAR RAMESH;Mr. VINOTHAN SELVAM;Ms. SHALINI RAMESH~

2026/01469 ~ Complete ~54:DIGITAL PEN GRIP WITH WRITING POSTURE FEEDBACK ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dr. SANKARA SUBRAMANIAN AYYAPPAN THANGAM~

2026/01476 ~ Complete ~54:3D PRINTING MACHINE NOZZLE CLEANER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Godwin Antony Arockiaraj;Madeswaran Krishnakumar;Mohamed Arsath Khan Badurul Rahman;Prakash Mani Kannan;Raja Murugan~

2026/01484 ~ Complete ~54:SMART WEARABLE WRIST MOUSE ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. HEMCHANDAR ANDI PALANIYANDI KRISHNAN;Mr.MANJUNATHAN ALAGARSAMY;Mr.SHAKTHIVISHESH NACHIAPPAN;Mr.SHANKAR SHARMA KARTHIKEYAN JAYALAKSHMI;Mr.VIDHYA SAGAR SUNDAR SUNDAR~

2026/01485 ~ Complete ~54:COPPER INSULATION STAPLER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Mr. BHUVANA PONNAMBALAM;Ms. AARTHI SHREE ARUMUGAM;Ms. AGALYA MURUGANANDHAM;Ms. JANANI PRABAKARAN;Ms. PRAJEN BALAMURUGAN~

2026/01490 ~ Complete ~54:PULSES AND CEREALS DUST CLEANER ~71:K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, KARIYAMANIKAM ROAD, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Ms. SHABA ANISH ABIDEEN MOHAMED;Ms. SHREYA SARAVANAN;Ms. SHRUTHIKA AMBEDKAR;Ms.GEERTHANA SELVARAJU;Ms.VAISHNAVI NATARAJAN~

2026/01493 ~ Complete ~54:FUZZY LOGIC ONLINE INTELLIGENT ASSESSMENT METHOD FOR ASSISTING RISK OF STROKE-RELATED PNEUMONIA ~71:Anhui University Of Chinese Medicine, No. 350, Longzihu Road, Xinzhan District, Hefei City, Anhui Province, People's Republic of China ~72: An Qing;Ding Caixia;Ding Juan;Li Dajin;Rong Yan;Shi Feifei~

2026/01495 ~ Complete ~54:TERMINAL, BASE STATION, AND COMMUNICATION METHOD ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH STREET SUITE 450,

TORRANCE, CA 90504, USA, United States of America ~72: HORIUCHI, Ayako;INOUE, Tomohiro;LI, Hongchao;NISHIO, Akihiko;NUNOME, Tomoya;SUZUKI, Hidetoshi~ 33:JP ~31:2023-131069 ~32:10/08/2023

2026/01501 ~ Complete ~54:360-DEGREE LIGHT-EMITTING HIGH-INTENSITY AVIATION OBSTRUCTION LIGHT ~71:HUNAN CHENGDONG TECHNOLOGY CO., LTD., No. 101, Building 4, Xincheng Science And Technology Park, 588 Yuelu West Avenue, High Tech Development Zone, Changsha, Hunan, 410000, People's Republic of China ~72: Aizhen LUO;Dong TAN;Feng LIU;Fuyuan CHEN;Qihong XIAO;Qingping LI;Tianfang LI;Zhangcheng LI~ 33:CN ~31:202411187784.3 ~32:28/08/2024

2026/01505 ~ Complete ~54:TECHNOLOGY TO CONVERT MUNICIPAL WASTE TO COAL ~71:Macawber Beekay Pvt Ltd, Beekay House, C-450-451, Sector 10, NOIDA, UTTAR PRADESH, INDIA, India ~72: GUPTA, Gautam;RAO, Ajith P~ 33:IN ~31:202311045245 ~32:05/07/2023

2026/01510 ~ Complete ~54:AN ANTIMICROBIAL COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANINDITA HALDER;SAHITI MATTAPARTHI;SAMIRAN MAHAPATRA;SHANTHI APPAVOO~ 33:EP ~31:23191497.9 ~32:15/08/2023

2026/01511 ~ Complete ~54:HIGHLY POROUS GELATIN BASED FOAM DOPED WITH SUPER ABSORBENT POLYMERS AND METHOD OF PREPARATION THEREOF ~71:INCURA, INC., 63 Wood St., Coatesville, Pennsylvania, 19320, United States of America ~72: MOUSA ELSAYED ELSAYED SALEM;WESAM AWAD SARHAN~ 33:US ~31:63/527,055 ~32:16/07/2023

. - APPLIED ON 2026/02/05 -

2026/01534 ~ Complete ~54:CROSS-BORDER EXPRESS FULL-LINK RISK MONITORING AND STANDARDIZED SERVICE GUARANTEE METHOD ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Wang Zhenning~

2026/01528 ~ Complete ~54:FENCE PANEL WITH HIGH HARDNESS CAGE STRUCTURE ~71:Conrite Group Holdings (Pty) Ltd, 21 Tewkesbury, Cotswold Downs, South Africa ~72: SPEIRS, Michael~

2026/01537 ~ Complete ~54:MAGNESIUM CARBONATE CRYSTAL WITH HIERARCHICAL POROUS STRUCTURE AND PREPARATION METHOD THEREOF ~71:Hebei Meishen Tech Co Ltd, No. 0018, West Side of Chuangye Avenue, Guangzong County, Xingtai City, Hebei Province, 054600, People's Republic of China ~72: Bai Xuemei;Bi Liheng;Ren Xiaohua;Sun Jiaxin;Sun Mengyong;Xing Xuan~ 33:CN ~31:2025119778338 ~32:25/12/2025

2026/01551 ~ Complete ~54:A GPS-ENABLED PUBLIC BUS TRACKING SYSTEM WITH ETA PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GHADAGE, Samarth Chandrakant;RAUT, Sahil Kisan;SOMANI, Athharvva Purshottam;WANKHADE, Shalini Vaibhav~

2026/01562 ~ Complete ~54:METHOD FOR PURIFYING LIPIDS ~71:NESTE OYJ, Keilaranta 21, ESPOO 02150, FINLAND, Finland ~72: HAKANPÄÄ, Jonne;MALM, Annika;PULKKINEN, Petri;WAHLSTRÖM, Ronny~ 33:FI ~31:20236107 ~32:06/10/2023;33:FI ~31:20236108 ~32:06/10/2023;33:FI ~31:20245090 ~32:31/01/2024;33:FI ~31:20245163 ~32:14/02/2024

2026/01563 ~ Complete ~54:RNAI AGENTS FOR INHIBITING EXPRESSION OF INHIBIN SUBUNIT BETA E (INHBE), PHARMACEUTICAL COMPOSITIONS THEREOF, AND METHODS OF USE ~71:ARROWHEAD PHARMACEUTICALS, INC., 177 East Colorado Boulevard, Suite 700, PASADENA 91105, CA, USA, United States of America ~72: BRAAS, Daniel;DING, Zhi-Ming;HAMILTON, James;LI, Puhui;LI, Xiaokai;LIU, Feng;NGAI,

Michelle;PEI, Tao;SHEKHTMAN, Grigoriy;WONG, So~ 33:US ~31:63/579,708 ~32:30/08/2023;33:US ~31:63/618,015 ~32:05/01/2024;33:US ~31:63/634,173 ~32:15/04/2024;33:US ~31:63/683,209 ~32:14/08/2024

2026/01568 ~ Complete ~54:APPARATUS FOR SOLIDIFICATION OF WATERWAY DREDGING SLURRY ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JUNBIAO HE~ 33:CN ~31:202411699889.7 ~32:26/11/2024

2026/01574 ~ Provisional ~54:ADAPTIVE SUPERSONIC ENGINE WITH ELECTRICALLY-CONTROLLED MORPHING AIRFLOW AND COMBUSTION OPTIMIZATION ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01520 ~ Provisional ~54:A CRUSHING DEVICE ~71:WATKINSON, Johnathan, Clifford, 10 PROVIDENCE PLACE, OLD SEA VIEW ROAD, THEESCOMBE, PORT ELIZABETH, SOUTH AFRICA, South Africa ~72: WATKINSON, Johnathan, Clifford~

2026/01572 ~ Provisional ~54:ESTATE-LOCK ~71:Autonomous Innovations, OT 349 MANQINDI RD, South Africa ~72: Nhlakanipho Langa~ 33:ZA ~31:1 ~32:04/02/2026

2026/01526 ~ Complete ~54:ELECTRIC BRAKE CARTRIDGE ~71:AUSCO PRODUCTS, INC., 2245 Pipestone Road, Benton Harbor, MI, United States of America ~72: BELL, Shaun;CHANDLER ,Edward;MCALLISTER, Keith;POZIVILKO, Peter, J.;SCHMIDT, Donald;WHITNEY, Evan~ 33:US ~31:63/754,833 ~32:06/02/2025

2026/01533 ~ Complete ~54:MULTI-LAYER LOGISTICS TRANSPORT VEHICLE ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Chen Qin;Chen Suilei~

2026/01542 ~ Complete ~54:A BLOCKCHAIN-BASED SYSTEM FOR TOKENIZING INTELLECTUAL PROPERTY (IP) ASSETS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GHADIYALI, Huzaifa Taher;JOSHI, Shrikant;KHANDELWAL, Rishi Ravindra;PANDIT, Pranjal;PATIL, Amol Vijay;SABLE, Nilesh Popat;SAYYED, Uzair Sajid;SHAIKH, Armaan Asif~

2026/01554 ~ Complete ~54:SODIUM CHANNEL BLOCKERS ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: DAY, Robert Francis;DORÉ, Michael;FRIEDMAN, Adam;GAMPE, Christian Michael;GAO, Xiang;GULGEZE EFTHYMIOU, Hatice Belgin;HARRISON, Tyler;KING, Sandra Marie;LARROW, Jay Francis;LAU, Sii Hong;PATEL, Tajesh;PENG, Yunshan;SMITH, Nichola;TANG, Haihao;WU, Yanxiang~ 33:CN ~31:PCT/CN2023/106400 ~32:07/07/2023

2026/01561 ~ Complete ~54:PESTICIDALLY ACTIVE OXOINDOLE COMPOUNDS ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: JEANGUENAT, Andre;KILARU, Jagadeesh Prathap;MUEHLEBACH, Michel;SCARBOROUGH, Christopher Charles;STOLLER, André;SUESSE, Lars~ 33:IN ~31:202311058255 ~32:30/08/2023;33:IN ~31:202311058936 ~32:02/09/2023;33:EP ~31:24176787.0 ~32:17/05/2024

2026/01564 ~ Complete ~54:PARTICLES CONTAINING AN ACTIVE AGENT AND PROCESS FOR PRODUCING SAME ~71:CAPSULAE, 4 rue Samuel Champlain, Zone Agrocéan – Chef de Baie, France ~72: HUET, Robert;KNORR, Delphine;ONGMAYEB, Gisèle~ 33:FR ~31:FR2310739 ~32:06/10/2023

2026/01589 ~ Complete ~54:MUNICIPAL ROAD DRAINAGE PIPE FILTER SCREEN ~71:JIANGSU RONGZHOU MUNICIPAL ENGINEERING CO., LTD, Room 701, Building 22, Lvyanghui City Square, No. 19 Qingnian East Road, People's Republic of China ~72: ZHANG, Yao~

2026/01538 ~ Complete ~54:VALVE CONTROL PANEL ~71:COMEC INDUSTRIES (PTY) LTD, 43 Tenth Street, Industria, South Africa ~72: MORETTI, Paolo~ 33:ZA ~31:2024/08512 ~32:11/11/2024

2026/01524 ~ Provisional ~54:HAIR BRAIDER ~71:KAGISO MAHAPA, 3149 CRATER STREET, South Africa ~72: KAGISO MAHAPA~ 33:ZA ~31:N/A ~32:04/02/2026

2026/01546 ~ Complete ~54:AN AI-INTEGRATED ADMINISTRATIVE AND LEARNING MANAGEMENT SYSTEM FOR ENHANCING STUDENT ENGAGEMENT AND EXPEDITE ADMINISTRATIVE TASKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GHORPADE, Isha Sunil;JOSHI, Shrikant;KATAKDHOND, Janhvi Vijaykumar;KHADE, Vaishnavi Rajkumar;MAHABDI, Mansi Mangesh;PANDIT, Pranjal Sharadchandra;PATIL, Amol Vijay;SABLE, Nilesh Popat~

2026/01567 ~ Complete ~54:RIVER CHANNEL DREDGING EQUIPMENT AND METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: YI LIU~ 33:CN ~31:2024116998717 ~32:26/11/2024

2026/01592 ~ Complete ~54:BOOK TRANSPORT DEVICE FOR LIBRARIES ~71:XINYU UNIVERSITY, No. 2666 Sunshine Avenue, People's Republic of China ~72: GONG, Xiaohua;LI, Yunling;WAN, Mingxiu;XIA, Meihua;YAN, Yixin;ZHANG, Sa~

2026/01591 ~ Complete ~54:SPORTS INJURY REHABILITATION AUXILIARY DEVICE ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, People's Republic of China ~72: HUANG, Yan;LI, Qi;LIU, Hualing;LIU, Wei;MAO, Jianbao;SU, Guangjun;WU, Suting;ZENG, Ju~

2026/01571 ~ Complete ~54:COMPOSITIONS OF PNEUMOCOCCAL ANTIGENS ~71:VIROMETIX AG, Wagistrasse 14, Switzerland ~72: DAIKOPOULOU, Vasiliki;LAMPROKOSTOPOULOU, Agaristi;MANSOUR, Marc;RASSEK, Oliver;RODRIGUEZ BALBOA, Javier;SPOULOU, Vana;STERGIOU, Lilli~ 33:EP ~31:23185079.3 ~32:12/07/2023;33:EP ~31:23190789.0 ~32:10/08/2023

2026/01522 ~ Provisional ~54:A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR ELECTRONIC MEDICAL PRESCRIPTION AND MEDICAL AID CLAIM PROCESSING ~71:Jorge Jardim, 107 Hartenbos Landgoed, South Africa ~72: Jorge Jardim~

2026/01529 ~ Complete ~54:REAL-TIME SECURITY WARNING AND EVACUATION GUIDANCE SYSTEM FOR TOURISM DESTINATIONS BASED ON DIGITAL TWIN AND EDGE COMPUTING ~71:SICHUAN VOCATIONAL AND TECHNICAL COLLEGE OF COMMUNICATIONS, No. 208, East Liutai Avenue, People's Republic of China ~72: WANG, Ailin~

2026/01532 ~ Complete ~54:OPTICAL FIBER TYPE TEMPERATURE SELF-COMPENSATING STATIC CONE PENETRATION STRESS SENSOR ~71:Jiangsu Nanjing Geological Engineering Survey Institute Co., Ltd., No. 105, Jiadong Village Youfangqiao, Yuhuatai District, Nanjing City, Jiangsu Province, 210041, People's Republic of China;Nanjing Tech University, No.30 Puzhu South Road, Jiangbei New District, Nanjing City, Jiangsu Province, 211816, People's Republic of China;The First Geological Brigade of Jiangsu Geology Bureau, No. 105, Jiadong Village Youfangqiao, Yuhuatai District, Nanjing City, Jiangsu Province, 210041, People's Republic of China ~72: CAO Kaixiong;GUO Yujun;LINGHU Mengru;SUN Yijie;TIAN Yifan;WANG Zhenxiang;XU Hongzhong;XU Shubin;YANG Bo~

2026/01525 ~ Complete ~54:NOVEL DIGITAL TEXTBOOK DYNAMIC UPDATE AND PERSONALIZATION ADAPTATION SYSTEM ~71:Yangjiang Polytechnic, No.213, Dongshan Road, Jiangcheng Dist., Yangjiang City, Guangdong Province, People's Republic of China ~72: Jianying Qiu;Jieqiang Liu;Mingwan Luo;Yiqiong Liang;Yukui Luo~

2026/01521 ~ Provisional ~54:A MODULAR CLEAN-COOKING STOVE SYSTEM USING LIQUID BIOFUELS ~71:Patience Ontlametse Khwene, 67 Blackwood Rd, South Africa ~72: Patience Ontlametse Khwene~

2026/01531 ~ Complete ~54:EDUCATIONAL MATHEMATICAL TOOL FOR PROBABILITY AND STATISTICS TRAINING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN Yao;LIU Changsheng;SUN Jianan;ZHANG Yao;ZHOU Yiming~

2026/01536 ~ Complete ~54:PROBIOTIC ORAL SUPPLEMENT ~71:PRIME LEGACY HOLDINGS LIMITED, 26 Bank Street, Mauritius ~72: MOHAMED, Hafeez~

2026/01570 ~ Complete ~54:BUILDING COMPONENT DEMOLITION EQUIPMENT AND METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: HAO WANG~ 33:CN ~31:2025106079890 ~32:12/05/2025

2026/01569 ~ Complete ~54:MAGNETICALLY ATTRACTED MODULAR UNDERWATER LEVELING GUIDE RAIL SYSTEM AND ITS CONSTRUCTION METHOD ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: YAN DONG~ 33:CN ~31:2025105918145 ~32:08/05/2025

2026/01541 ~ Complete ~54:AN ADVANCED HAPTIC FEEDBACK SYSTEM FOR ENHANCED VIRTUAL OBJECT MANIPULATION IN IMMERSIVE VIRTUAL REALITY ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JADHAV, Dattaraj Tatyasaheb;KOLASE, Kedar Ramchandra;MAGDUM, Sairaj Rajendra;MHASKE, Anurag Anil;PANDIT, Pranjal;PATIL, Amol Vijay;SABLE, Nilesh Popat;YENKIKAR, Anuradha~

2026/01590 ~ Complete ~54:MULTI-SOURCE ERROR DECOUPLING AND SUPPRESSION METHOD FOR AUTOMATIC ASSEMBLY OF A PROJECTILE FUZE ~71:ANHUI VOCATIONAL COLLEGE OF DEFENSE TECHNOLOGY, No. 56, Meishan Middle Road, People's Republic of China ~72: GONG, Deng;HAN, Gang;MA, Wenlong;XU, Jun;ZHENG, Ting~

2026/01543 ~ Complete ~54:AN AI/ML BASED WAREHOUSE OPERATIONS OPTIMIZATION SYSTEM FOR DEMAND PREDICTION AND INVENTORY ACCURACY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PANDIT, Pranjal Sharadchandra;PATIL, Amol Vijay;PATIL, Tushar Sunil;PUJDEKAR, Suraj Bandu;SABLE, Nilesh Popat;YELWANDE, Snehal Laxmikant;YENKIKAR, Anuradha Vishwajit;ZAWARE, Pranav Gokul~

2026/01545 ~ Complete ~54:AN AI POWERED SYSTEM FOR VEHICLE DAMAGE ASSESSMENT, COST ESTIMATION AND GARAGE IDENTIFICATIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAIKWAD, Yash Vilas;KHEDKAR, Om Madhukar;KHOJE, Prathmesh Amol;MESHRAM, Shrunkhal Nilesh;MIRAJKAR, Riddhi;PANDIT, Pranjal;SABLE, Nilesh Popat;YENKIKAR, Anuradha~

2026/01553 ~ Complete ~54:MODULAR AND EASY-TO-DISASSEMBLE RECYCLABLE LITHIUM BATTERY FOR NEW ENERGY VEHICLES AND ITS IMPLEMENTATION METHOD ~71:Wuhu Vocational Technical

University, No.201, Wenjin West Road, Yijiang District, Wuhu, Anhui, People's Republic of China ~72: Bian Hongli;Wang Xinwei;Wang Zixi;Yang Rongli;Yu Peng;Yu Ran;Zhang Chi;Zhang Yuanchao;Zhu Xiaoyan;Zong Faxin~

2026/01559 ~ Complete ~54:A VALVE ASSEMBLY FOR A FILLER MACHINE ~71:VAN VREDEN, Gary Malcolm, Plot 104, 3rd Road, Brentwood Park AH, Benoni 1505, Gauteng, SOUTH AFRICA, South Africa;VAN VREDEN, Melchizedek Byron Malcolm, 6 Chrome Street, Farrarmere, BENONI 1501, Gauteng, SOUTH AFRICA, South Africa ~72: VAN VREDEN, Gary Malcolm;VAN VREDEN, Melchizedek Byron Malcolm~ 33:ZA ~31:2023/03363 ~32:07/07/2023

2026/01566 ~ Complete ~54:DREDGING CONSTRUCTION METHOD OF TRAILING SUCTION HOPPER DREDGER ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: HUAQIANG ZHANG~ 33:CN ~31:2024116596812 ~32:20/11/2024

2026/01540 ~ Complete ~54:AN AI-POWERED MULTI-SPORT SYSTEM FOR ATHLETE SCOUTING, INJURY PREDICTION, FAIR SCORING, AND TRAINING RECOMMENDATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAYAS, Abhishek;HAKE, Jagadev;MORE, Rushikesh;NAGALKAR, Ayush;PANDIT, Pranjal Sharadchandra;PATIL, Amol Vijay;SABLE, Nilesh Popat;YENKIKAR, Anuradha Vishwajit~

2026/01549 ~ Complete ~54:A REAL-TIME COGNITIVE SECURITY DEVICE USING A MULTI-MODAL HARDWARE CO-PROCESSOR ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JAIN, Sayyam Jayantilal;KINAGI, Shivani Bharatraj;PANDIT, Pranjal Sharadchandra;PATIL, Amol Vijay;SABLE, Nilesh Popat;SASTE, Janhvi Pramod;SHINDE, Gitanjali Rahul;YENKIKAR, Anuradha Vishwajit~

2026/01552 ~ Complete ~54:A DYNAMIC, LOCATION-AWARE E-TOKEN NOTIFICATION SYSTEM FOR REDUCING PUBLIC SERVICE WAITING TIMES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHHAJED, Ajay S;KALLAWAR, Prapti Vinod;MESHRAM, Vidula Vishal;MESHRAM, Vishal Ambadas;REGE, Pallavi;SHINDE, Sandip Ramrao~

2026/01560 ~ Complete ~54:METHODS AND COMPOSITIONS FOR SHORT STATURE PLANTS THROUGH MANIPULATION OF GIBBERELLIN METABOLISM TO INCREASE HARVESTABLE YIELD ~71:MONSANTO TECHNOLOGY LLC, 800 North Lindbergh Blvd, SAINT LOUIS 63167, MO, USA, United States of America ~72: MANJUNATH, Sivalinganna;PACIOREK, Tomasz;SLEWINSKI, Thomas~ 33:US ~31:63/520,898 ~32:21/08/2023;33:US ~31:63/520,915 ~32:21/08/2023

2026/01523 ~ Provisional ~54:SYNAPSIS-I ~71:NTOBEKO ZULU, 17 Pine Grove, South Africa ~72: NTOBEKO ZULU~

2026/01530 ~ Complete ~54:MATHEMATICAL PROBABILITY STATISTICS DEMONSTRATION APPARATUS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN Yao;LIU Changsheng;SUN Jianan;ZHANG Yao;ZHOU Yiming~

2026/01555 ~ Complete ~54:AN ARTIFICIAL ORE PILLAR FOR A GOAF AND ITS CONSTRUCTION METHOD ~71:CHANGSHA INSTITUTE OF MINING RESEARCH CO.,LTD, No. 343 Lushan South Road, Yuelu District, Changsha City, Hunan Province, China, Changsha City, Hunan Province, People's Republic of China ~72: Guo

Yuning;Guo Zeyang;Huang Cong;Li Weiming;Li Yilong;Liu Chang;Lv Guanying;Ma Ruifeng;Qin Min;Zhang Tong~ 33:CN ~31:202510707866.4 ~32:29/05/2025

2026/01556 ~ Complete ~54:TEMPERATURE COMPENSATION METHOD AND DEVICE FOR VIBRATING WIRE CRACK GAUGE APPLIED TO CRACK DETECTION ~71:ZHEJIANG RUIBANG KETE TESTING CO., LTD., No.39 Lidong Road, Xianlin Street, Yuhang District, Hangzhou, Zhejiang, 311122, People's Republic of China ~72: CHEN, Wenhua;HUANG, Jianniao;LEI, Haifei;QU, Haohao;WU, Jiahao;YAN, Sunrong~ 33:CN ~31:202511682200.4 ~32:17/11/2025

2026/01558 ~ Complete ~54:AN INTEGRATED INSTALLATION AND RECOVERY ROOF DISPLACEMENT MONITORING DEVICE AND METHOD ~71:CHANGSHA INSTITUTE OF MINING RESEARCH CO.,LTD, No. 343 Lushan South Road, Yuelu District, Changsha City, Hunan Province, China, Changsha City, Hunan Province, People's Republic of China ~72: Li Yilong;Liu Chang;Luo Gexuanzi;Ni Huining~ 33:CN ~31:202510761667.1 ~32:09/06/2025

2026/01565 ~ Complete ~54:PORT SILT TREATMENT DEVICE AND TREATMENT METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: WEI JIANG~ 33:CN ~31:2024117716614 ~32:04/12/2024

2026/01527 ~ Complete ~54:CONSTRUCTION METHOD FOR HIGH-FILL EMBANKMENTS IN SEASONALLY FROZEN REGIONS ~71:CCCC ROAD AND BRIDGE CONSTRUCTION CO., LTD., Room 216, No. 7 Wuxing Road, Lucheng Town, Tongzhou District, People's Republic of China;CCCC ROAD AND BRIDGE SOUTH ENGINEERING CO., LTD, Floors 1 & 2, Office Building, Gongzhuang Village Committee, Liyuan Town, Tongzhou District, People's Republic of China ~72: LI, Fujun;MA, Chao;PENG, Libin;ZHANG, Guowang;ZHANG, Lishuang;ZHOU, Gang~

2026/01535 ~ Complete ~54:ORAL SUPPLEMENT ~71:PRIME LEGACY HOLDINGS LIMITED, 26 Bank Street, Mauritius ~72: MOHAMED, Hafeez~

2026/01544 ~ Complete ~54:AN IOT-ENABLED AUTOMATIC FAN SPEED REGULATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KHANDEKAR, Saish Sanjay;MAHALLE, Parikshit N.;NALAWADE, Rohan Arun;SHELKE, Shubham Uttam;WAGHMARE, Pramod Dnyandev;WANKHADE, Shalini Vaibhav~

2026/01547 ~ Complete ~54:HYBRID MACHINE TRANSLATION SYSTEM AND METHOD THEREOF ~71:Beebee Zaheenah Jameela Boodeea, Solesse Road, Nouvelle France, Mauritius;Dr Aneerav Sukhoo, Avenue Seeneevassen, La Source, Quatre Bornes, Mauritius;Dr Nitish Chooramun, 30, Whalley Drive, Bletchley, Milton Keynes, MK3 6HS, United Kingdom;Dr Sameerchand Pudaruth, Prince Alfred Street, Port Louis, Mauritius ~72: Beebee Zaheenah Jameela Boodeea;Dr Aneerav Sukhoo;Dr Nitish Chooramun;Dr Sameerchand Pudaruth~

2026/01550 ~ Complete ~54:A POSTURE DETECTION AND ALERT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHHAJED, Ajay S.;JOSHI, Soham;KADAM, Girish;KORE, Aayush;MESHRAM, Vidula Vishal;MESHRAM, Vishal A.;SHAH, Harsh;SHINDE, Sandip Ramrao~

2026/01557 ~ Complete ~54:A MULTI STOPE NON INTERVAL PARALLEL MINING METHOD ~71:CHANGSHA INSTITUTE OF MINING RESEARCH CO.,LTD, No. 343 Lushan South Road, Yuelu District, Changsha City, Hunan Province, China, Changsha City, Hunan Province, People's Republic of China;JIANGXI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 86 Hongqi Avenue, Ganzhou City, Jiangxi Province, China, Ganzhou City,

Jiangxi Province, People's Republic of China ~72: Guo Zeyang;Jiang Ke;Li Yilong;Liu Chang;Luo Gexuanzi;Lv Guanying;Ni Huining;Tan Xingyu~ 33:CN ~31:202510589813.7 ~32:08/05/2025

2026/01573 ~ Provisional ~54:HYDROGEN-POWERED ROTARY ENGINE HELICOPTER WITH HYBRID ELECTRIC AUGMENTATION AND ADVANCED THERMAL MANAGEMENT ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01539 ~ Complete ~54:SYSTEM FOR AND METHOD OF GENERATING MANAGEMENT REPORTS FROM MULTIPLE DATA SOURCES ~71:MASOKO, John, 564 Oaks Estate, Pretoria Road, South Africa ~72: MASOKO, John~

2026/01548 ~ Complete ~54:AN IOT-BASED HOME AUTOMATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AUTADE, Prajakta Vilas;GAIKWAD, Pranali Popat;KODMELWAR, Manohar Krishnarao;PAWAR, Pratiksha Arvind;PHANASE, Siddhika Bhalchandra;WANKHADE, Shalini Vaibhav~

. - APPLIED ON 2026/02/06 -

2026/01577 ~ Provisional ~54:AN LPG-FIRST HEAT-DRIVEN THERMAL APPLIANCE SYSTEM WITH INTEGRATED WASTE-HEAT POWER GENERATION ~71:AFRO-BIOTECH ENERGY SOLUTION, 8817 ext 10 Empumelelweni, South Africa ~72: Thapelo Mbokane~

2026/01582 ~ Provisional ~54:CIRCUMCISION DEVICE ~71:Tanya Gabel and Iris Gabel, 10 Fiford Crescent, South Africa ~72: Tanya Gabel and Iris Gabel~

2026/01596 ~ Complete ~54:INTEGRATED EQUIPMENT AND METHODOLOGY FOR CONCURRENT PERMEABILITY MONITORING DURING GROUT INJECTION INTO EXCAVATION-DISTURBED FRACTURED ROCK MASS ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No.1 Daxue Road, Quanshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: DUAN Hongyu;GAO Xuefeng;LI Qiang;LI Wenxin;MA Dan;MA Zhisong;WANG Baoli;ZHANG Chuanjiu;ZHANG Jixiong~ 33:CN ~31:2025101819530 ~32:19/02/2025

2026/01605 ~ Complete ~54:INTELLIGENT INTEGRATED GRAPHICS-TEXT PROCESSING SYSTEM AND METHOD ~71:BEIJING LONGRUAN TECHNOLOGIES INC., Room 1008, 10th Floor, No. 8 Caihefang Road, Haidian District, Beijing, 100190, People's Republic of China ~72: DAOZHENG WU;PENGPENG ZHANG;SHANJUN MAO;YUN WANG;ZHEN LI~ 33:CN ~31:2025107223719 ~32:30/05/2025

2026/01612 ~ Complete ~54:COLD ROLLED AND HEAT-TREATED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: LoÏc CAODURO;Romain BECHETER;Thomas DIEUDONNE~ 33:IB ~31:PCT/IB2023/059172 ~32:15/09/2023

2026/01611 ~ Complete ~54:METHOD OF MANUFACTURING DENSIFIED, TORREFIED BIOMASS PARTICULATES ~71:YILKINS B.V., 7b, Ter Borchlaan, XA GRONINGEN, Netherlands ~72: BERGMAN, Peter, Christiaan, Albert;OLTVOORT, Evert-Jan~ 33:NL ~31:2035650 ~32:22/08/2023

2026/01614 ~ Complete ~54:A METHOD AND SYSTEM FOR RECONSTRUCTING URBAN RIVER COURSE ECOSYSTEM, BASED ON TAIL WATER OF SEWAGE TREATMENT PLANTS ~71:SHENZHEN GUANGHUIYUAN ENVIRONMENT WATER CO., LTD., 4th Floor, Block C, Ruisi Building, No. 1002, Yanhe North Road, Huangbei Sub-district, Luohu District, Shenzhen, Guangdong, 518000, People's Republic of China ~72: Congcong JIN;Guimin MA;Juan YIN;Shuifeng FENG;Weike DENG;Xiaoyun LI;Xin'ai XU;Yang ZHANG;Yingying YU;Zhengchuan WANG~ 33:CN ~31:2025118515034 ~32:10/12/2025

2026/01632 ~ Complete ~54:SL RLF IN MULTICARRIER WITH LICENSED AND UNLICENSED ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: AATA EL HAMSS;MARTINO FREDA;TAO DENG;TUONG HOANG;VIRGILE GARCIA~ 33:US ~31:63/531,227 ~32:07/08/2023

2026/01629 ~ Complete ~54:METHOD OF ELECTRONIC WALLET PAYMENTS USING NEAR FIELD COMMUNICATION ~71:PI-XCELS PTE. LTD., 20 Anson Road, #11-01, Twenty Anson, Singapore 079912, Singapore ~72: DANIEL CHING LUEN LIM~ 33:US ~31:63/513,048 ~32:11/07/2023;33:JP ~31:2024-097236 ~32:17/06/2024

2026/01634 ~ Complete ~54:A BED ~71:ASHLEY FURNITURE INDUSTRIES, LLC, One Ashley Way, Arcadia, Wisconsin, 54612, United States of America ~72: DALE ROBERTSON;PAUL BROWN~ 33:GB ~31:2311637.9 ~32:28/07/2023

2026/01636 ~ Complete ~54:BIOSTIMULANT MICROORGANISM ~71:AGRICELLS, Rue de la Science 8, AYE (MARCHE-EN-FAMENNE) 6900, BELGIUM, Belgium ~72: LECLERCQ, Maxime;VANDAMME, Vincent~ 33:BE ~31:BE2023/5565 ~32:06/07/2023

2026/01575 ~ Provisional ~54:PORTABLE WATER-SOLUBLE FLAVOUR TABLETS ~71:Tshimangadzo Tshikomba, unit 306, South Africa ~72: Tshimangadzo Tshikomba~

2026/01608 ~ Complete ~54:AN EMOTION DRIVEN AROMA DISPENSER USING FACIAL EXPRESSION RECOGNITION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BUCHADE, Amar;JOSHI, Soham Rahul;LEMBHE, Vedant Deepak;PANDIT, Pranjal;SABLE, Nilesh;YENKIKAR, Anuradha~

2026/01585 ~ Provisional ~54:UNIQUE BIN DESIGN AND ELECTRIC BIKE AND BICYCLE COLLECTION OF SACHETS ~71:Kondwani Ngwira, E16-04, La Maison Royale, Midrand., South Africa ~72: Kondwani Ngwira~

2026/01587 ~ Provisional ~54:A SYSTEM AND METHOD FOR TIME-CONSISTENT EVALUATION AND OPTIMAL SELECTION OF RESERVING METHODOLOGIES ~71:ACTUARYAI LIMITED, Chemin Vingt Pieds, 5th Floor, La Croisette, Mauritius ~72: RICHMAN, Ronald~

2026/01597 ~ Complete ~54:DEVICE AND METHOD FOR ENERGY UNDERGROUND DIAPHRAGM WALL MODEL TEST ~71:Hua Hui Engineering Design Group Co., Ltd, Floor 21, No.177 Jiefang Avenue, Shaoxing City, Zhejiang Province, 312000, People's Republic of China;SHAOXING UNIVERSITY, No.508 Huancheng West Road, Shaoxing City, Zhejiang Province, 312000, People's Republic of China ~72: CHEN Huafeng;GUO Qitao;HUANG Rui;QIAN Yidong;ZHANG Xin~

2026/01633 ~ Complete ~54:BIODEGRADABLE EXTRUSION COATING PROCESS ~71:DANIMER IPCO, LLC, 140 Industrial Boulevard, Bainbridge, Georgia, 39817, United States of America ~72: ARNE MATTHEW TERWILLEGAR;JOE B GRUBBS III;JOHN MOORE;KARSON DURIE~ 33:US ~31:63/578,673 ~32:25/08/2023

2026/01578 ~ Provisional ~54:UNDERWEAR ~71:ABDOOL REHMAN ISMAIL KADER, 139 Warangal Road, South Africa ~72: KADER, Abdool Rehman Ismail~

2026/01579 ~ Provisional ~54:MODULAR GEOPOLYMER MASONARY SYSTEM ~71:Damon S. Reaves, 2626 East Monument St, Baltimore, Maryland, 21205, United States of America ~72: Damon S. Reaves~

2026/01581 ~ Provisional ~54:RESONANT ELECTROMAGNETIC FIELD-COUPLING ARCHITECTURE UTILISING DOUBLE-HELIX GEOMETRY FOR MASS-NEUTRALISATION, NON-KINETIC REFRACTION, AND

SYNTROPIC ENERGY TRANSDUCTION. ~71:Paulos Pilakoutas, 9 mount fletcher street , paulshof , via positano , unit 85, South Africa ~72: Paulos Pilakoutas~ 33:ZA ~31:0 ~32:05/02/2026

2026/01584 ~ Provisional ~54:AN ARRAY OF DRIVEN PENDULUMS ~71:Dirk Leon Erasmus, 22 Casa Valde Retirement Estate, South Africa ~72: Dirk Leon Erasmus~

2026/01595 ~ Complete ~54:METHOD FOR EXTRACTING SCANDIUM FROM ORE ~71:Central South University, Zuojialong, Yuelu Mountain, Changsha City, Hunan Province, 410200, People's Republic of China ~72: MENG Xiaoyu;SHEN Louyan;ZHANG Yisheng;ZHAO Hongbo~

2026/01599 ~ Complete ~54:INTELLIGENT GENERATION METHOD OF ENGLISH SUBTITLES MATCHING VIDEO SCENARIOS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: LI Pandeng;ZHANG Yumeng~

2026/01616 ~ Complete ~54:TEMPLATE-BASED INTRA MODE DERIVATION FUSION WITH NON-ANGULAR MODE ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: ANDRIVON, Pierre Jean;BLESTEL, Médéric Stéphane Daniel~ 33:US ~31:63/525,628 ~32:07/07/2023;33:US ~31:63/542,894 ~32:06/10/2023

2026/01621 ~ Complete ~54:COMPOUNDS FOR FGFR INHIBITION ~71:COGENT BIOSCIENCES, INC., 275 Wyman Street, 3rd Floor, WALTHAM 02451, MA, USA, United States of America ~72: BETTENDORF, Tanna;CHICARELLI, Mark Joseph;FELL, Jay Bradford;FISCHER, John P.;FULTON, Jennifer;JALLURI, Ravi Kumar;MALINKY, Cori A.;MEJIA, Macedonio J.;NEWHOUSE, Bradley J.;RIEGER, Robert A.;ROBINSON, John E.;RODRIGUEZ, Martha E.;SALITURO, Leah J.;SMITH, Aaron Christopher;VINE, Logan E.~ 33:US ~31:63/517,996 ~32:07/08/2023;33:US ~31:63/590,177 ~32:13/10/2023;33:US ~31:63/614,476 ~32:22/12/2023

2026/01625 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING EXPRESSION OF COMPLEMENT COMPONENT 3 (C3) ~71:SHANGHAI ARGO BIOPHARMACEUTICAL CO., LTD., J2026, Room 1_203, 337 Shahe Road, People's Republic of China ~72: SHAO, Pengcheng Patrick;SHU, Dongxu;XIA, Shiwei~ 33:CN ~31:PCT/CN2023/108507 ~32:21/07/2023

2026/01603 ~ Complete ~54:ANTI-VIBRATION INDUSTRIAL SWITCH ~71:Shenzhen Yuhang Communication Technology Co., Ltd., 14A Fl.,Bldg. A1, Qiaode high-tech TechnoPark, Kelian Road, Guangming District, Shenzhen City, Guangdong Province, People's Republic of China ~72: Jie Dong;Wancang Zhang;Weicheng Liu~

2026/01623 ~ Complete ~54:IONIZABLE LIPIDS ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, 2845, Belgium ~72: DE COEN, Ruben;DE KOKER, Stefaan;DUMBRE, Shrinivas;KASMI, Sabah~ 33:EP ~31:23184813.6 ~32:11/07/2023

2026/01626 ~ Complete ~54:BREAKOUT SYSTEM FOR A DRILL ~71:JOY GLOBAL SURFACE MINING INC., 401 e. Greenfield Avenue, Milwaukee, United States of America ~72: FOUST, Zachary;OFTEDAHL, Kristofor;REGGIATORE, Aaron;WALGREN, Timothy Paul~ 33:US ~31:63/512,561 ~32:07/07/2023

2026/01635 ~ Complete ~54:COUPLING ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: BOWMAN, Matthew A.;RICHARD, Christopher A.~ 33:US ~31:63/589,060 ~32:10/10/2023

2026/01613 ~ Complete ~54:AN ORAL LIQUID FORMULATION OF ANTICOAGULANT DRUGS ~71:LIQMEDS WORLDWIDE LIMITED, Sandretto Building, Cavalry Hill Industrial Park, Weedon, United States of America ~72: PANSARA, Chintan;UMRETHIA, Manish~ 33:IN ~31:202321052903 ~32:07/08/2023

2026/01620 ~ Complete ~54:A METHOD OF DETECTING PROSTATE CANCER IN A HUMAN SUBJECT USING A CU-64 PSMA I&T INJECTION ~71:CURIUM US LLC, 111 Westport Plaza, Suite 800, ST. LOUIS 63146, MO, USA, United States of America ~72: CASCIOLA, Allan;DONOVAN, Amanda;RADFORD, Lauren~ 33:US ~31:63/518,272 ~32:08/08/2023;33:US ~31:63/588,202 ~32:05/10/2023;33:US ~31:63/621,965 ~32:17/01/2024;33:US ~31:63/626,838 ~32:30/01/2024

2026/01593 ~ Complete ~54:APPLICATION OF WHEAT TAU2AF65 GENE IN REGULATING WHEAT SPIKELET NUMBER ~71:Shandong Agricultural University, No. 61 Daizong Street, Taishan District, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: JIANG Zhaowang;LI Xinyu;QI Haodong;WANG Xiuling;ZHOU Zhou~

2026/01604 ~ Complete ~54:HEAT-DISSIPATING INDUSTRIAL SWITCH ~71:Shenzhen Yuhang Communication Technology Co., Ltd., 14A Fl.,Bldg. A1, Qiaode high-tech TechnoPark, Kelian Road, Guangming District, Shenzhen City, Guangdong Province, People's Republic of China ~72: Jie Dong;Wancang Zhang;Weicheng Liu~

2026/01615 ~ Complete ~54:NOVEL ACCELERATORS FOR HYDRAULIC COMPOSITIONS BASED ON GRANULATED BLAST FURNACE SLAG ~71:STARCIN HOLDING FRANCE, 12 Place de l'Iris, France ~72: NAEL-REDOLFI, Jennifer;RIZZO, Nicola;THERENE, Florian~ 33:FR ~31:FR2308671 ~32:11/08/2023

2026/01617 ~ Complete ~54:COMPOSITION AND PROCESS FOR A WATER-SOLUBLE DIETARY FIBRE CONTAINING INSTANT OIL FRIED NOODLE ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: GULIA, Neelam;JERISH J, Alan;SINGH, Om Prakash;UPADHYAY, Rohit~ 33:IN ~31:202311046987 ~32:12/07/2023;33:EP ~31:23196936.1 ~32:12/09/2023

2026/01618 ~ Complete ~54:CODED MULTISOURCE MEDIA FORMAT (CMMF) INSTANTIATION FOR TRANSPORT OF MEDIA DATA ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: BIBER, Aytac;BOUAZIZI, Imed;STOCKHAMMER, Thomas~ 33:US ~31:63/518,302 ~32:08/08/2023;33:US ~31:18/796,817 ~32:07/08/2024

2026/01576 ~ Provisional ~54:GROUND-LOCK SENTINEL™ – A GROUND-INTEGRATED VEHICLE WHEEL IMMOBILISATION SYSTEM ~71:Thapelo Mbokane, 8817 ext 10 Empumelelweni, South Africa ~72: Thapelo Mbokane~

2026/01586 ~ Provisional ~54:WAGE PROOF-QUALITY DEFICIT (PQD) COMPUTATION USING POLICY-VERSION-BOUND CANONICAL WAGE STATE OBJECTS AND GOVERNED WAGE COMPUTATION ARTEFACTS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01588 ~ Provisional ~54:BACKPACK CRADLE ~71:Anwar Essop, 49 Tevennen Road , Lottusville, Verulam, Durban, KwaZulu-Natal, 4339, South Africa ~72: Anwar Essop~

2026/01600 ~ Complete ~54:VIEW-FINDING DEVICE FOR ART AND DESIGN TEACHING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: GU Lijuan;LI Kaige;ZHAO Mingfei~

2026/01602 ~ Complete ~54:METHOD FOR PREPARING NEGATIVE ELECTRODE SLURRY, NEGATIVE ELECTRODE SLURRY, NEGATIVE ELECTRODE SHEET AND LITHIUM BATTERY ~71:ANHUI LEOCH PENEWABLE ENERGY DEVELOPMENT CO., LTD., No.32 Wutong Avenue, Economic Development Zone, Huaibei, Anhui, 235000, People's Republic of China ~72: Bingbing ZHANG;Chunxiang MA;Jiujun ZHANG;Lifang SU;Qiancheng YANG;Tingyuan LIU;Xianbao CHEN;Yu YAN;Zhenyu ZHUO~

2026/01607 ~ Complete ~54:AN AI-BASED CROSS-DEVICE WEB LAYOUT REFORMATTING SYSTEM BASED ON ENVIRONMENT AND ACCESSIBILITY FACTORS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GARJE, Sushant;GILANKAR, Arnav;KSHIRSAGAR, Rahul;PANDIT, Pranjal;SABLE, Nilesh;SAKHARE, Nitin;SHEKOKAR, Manaswi;YENKIKAR, Anuradha~

2026/01609 ~ Complete ~54:A BRAINWAVE-SYNCHRONIZED AI SYSTEM FOR CONTEXT-AWARE CREATIVE ASSISTANCE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GUPTA, Ayush;HARNE, Pranay Vidyadhar;MISHRA, Naman Ajay;PANDIT, Pranjal;SABLE, Nilesh;SAKHARE, Nitin;SUWARNKAR, Rushiraj Sunil;YENKIKAR, Anuradha~

2026/01610 ~ Complete ~54:AAV GENE THERAPY APPROACH FOR TREATING LGMD2B/DYSFERLINOPATHY ~71:KATE THERAPEUTICS, INC., 10675 Sorrento Valley Road, Suite 150, United States of America ~72: FIELDEN, Mark;TABEBORDBAR, Sharif;VELEZ, Danielle~ 33:US ~31:63/525,819 ~32:10/07/2023

2026/01619 ~ Complete ~54:GUCY2C ANTIBODIES AND USES THEREOF ~71:JANSSEN BIOTECH, INC., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: BEKE, Lijs;HO, Jason;LUO, Jinquan;PRINSLOW, Elisabeth;TILEGENOVA, Cholpon;ZWOLAK, Adam~ 33:US ~31:63/518,041 ~32:07/08/2023;33:US ~31:63/612,000 ~32:19/12/2023

2026/01622 ~ Complete ~54:A VALVE ASSEMBLY FOR A FILLER MACHINE ~71:VAN VREDEN, Gary Malcolm, Plot 104, 3rd Road, Brentwood Park AH, Benoni 1505, Gauteng, SOUTH AFRICA, South Africa;VAN VREDEN, Melchizedek Byron Malcolm, 6 Chrome Street, Farrarmere, BENONI 1501, Gauteng, SOUTH AFRICA, South Africa ~72: VAN VREDEN, Gary Malcolm;VAN VREDEN, Melchizedek Byron Malcolm~ 33:ZA ~31:2023/03362 ~32:07/07/2023

2026/01627 ~ Complete ~54:MULTIPLE STRUCTURES AND FOLDABLE ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DAEHYEONG PARK;SANGIN BAEK~ 33:KR ~31:10-2023-0102927 ~32:07/08/2023;33:KR ~31:10-2023-0130490 ~32:27/09/2023

2026/01628 ~ Complete ~54:AUTOMATIC LOCKING RESILIENT KNIFE GATE VALVE SEAT ~71:BRAY INTERNATIONAL, INC., 13333 Westland East Blvd., Houston, Texas, 77041, United States of America ~72: AMITARTHA SAHOO;RAJAN WELLINGTON;RAMAKRISHNAN VISWANATHAN~ 33:US ~31:63/518,399 ~32:09/08/2023

2026/01630 ~ Complete ~54:VEHICLE STORAGE SYSTEM ~71:DECKED LLC, P.O. Box 885, Ketchum, Idaho 83340, United States of America ~72: JAMES CALVIN ALLAN;JORDAN DANIEL LANNING;SAMUEL QUINTRELL WOOD;SHAUN CHRISTOPHER MUSTON;SPENCER ROBERT DAHL;WILLIAM BANTA~ 33:US ~31:18/358,298 ~32:25/07/2023

2026/01631 ~ Complete ~54:REMOTE EQUIPMENT MONITORING AND MANAGEMENT SYSTEM ~71:CORNELL PUMP COMPANY LLC, 16261 Southeast 130th Avenue, Clackamas, Oregon, 97015, United States of America ~72: ADAM LINDEMAN;JAMES ANDREW ENTERLINE;KENNETH WILLARD;WILLIAM JAMES WARREN;ZACHARY THOMAS~ 33:US ~31:63/519,867 ~32:16/08/2023

2026/01606 ~ Complete ~54:A DEEP LEARNING-BASED SYSTEM FOR PSORIASIS DETECTION AND SEVERITY ASSESSMENT USING SKIN IMAGES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72:

KOKANE, Chandrakant Deelip;LAXMAN, Nevhal Sayali;LONDHE, Aoudumber Dattatray;MAHALLE, Parikshit Narendra;PATIL, Uma;PISE, Ganesh Shivaji;RATHOD, Vijay U.;SABLE, Nilesh P.;SHINDE, Dnyanda Amar;SURESH, Narute Shreya~

2026/01624 ~ Complete ~54:A PILLOW ~71:LUXA LEG PILLOW CO. LIMITED, Paget & Associates Ltd Level 3, 112 Tuam Street, New Zealand ~72: CONDON, John~ 33:NZ ~31:801637 ~32:06/07/2023

2026/01594 ~ Complete ~54:ROCK MASS INTERNAL DEFORMATION MONITORING DEVICE BASED ON ROCK BOLT ~71:China University of Geosciences(Wuhan), No. 388 Lumo Road, Hongshan District, Wuhan City, Hubei Province, 430074, People's Republic of China;Nanjing Tech University, No.30 Puzhu South Road, Jiangbei New District, Nanjing City, Jiangsu Province, 211816, People's Republic of China ~72: BI Gang;CAO Kaixiong;LIN Huiming;LINGHU Mengru;SHENG Jian;SUN Yijie;TIAN Yifan;XU Hongzhong;YANG Bo~

2026/01598 ~ Complete ~54:A METHOD FOR MULTI-SOURCE KNOWLEDGE RETRIEVAL FUSION AND CONFIDENCE ASSESSMENT FOR SPECIALIZED DOMAINS ~71:Northwest A and F University, No.3 Taicheng Road, Yangling, Shaanxi, 712100, People's Republic of China ~72: JU, Mengchen;LIU, Gang;LIU, Xin;LUO, Han;TANG, Kaijin;YE, Qiye;ZHANG, Yichao;ZHAO, Junqi~

2026/01601 ~ Complete ~54:BENEFICIATION METHOD FOR COPPER-SULFUR ORE CONTAINING PYRRHOTITE AND PYRITE ~71:Central South University, Zuojialong, Yuelu Mountain, Changsha City, Hunan Province, 410200, People's Republic of China;China Nerin Engineering Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China ~72: JIN Jimei;LAN Tianning;SHEN Li;SHEN Louyan;WU Jianglin;YANG Bin;YIN Heng~

2026/01580 ~ Provisional ~54:A MODULAR WASTE-HEAT RECOVERY SYSTEM AND METHOD FOR MULTI-UNIT THERMAL ENERGY FACILITIES ~71:Thapelo Mbokane, 8817 ext 10 Empumelelweni, South Africa ~72: Thapelo Mbokane~

2026/01583 ~ Provisional ~54:A METHOD FOR STAGING AND MONITORING AN INFECTION ~71:MARTI TB DIAGNOSTICS (PTY) LTD, Biopark 1 building, The Innovation Hub campus, Persequor, Pretoria 0087, Gauteng, SOUTH AFRICA, South Africa ~72: BAUMEISTER, Carl Robert;VERSCHOOR, Jan Adrianus~

. - APPLIED ON 2026/02/09 -

2026/01664 ~ Complete ~54:DEEP LEARNING-BASED METHOD AND SYSTEM FOR AUTOMATIC DETECTION AND CLASSIFICATION OF TRAFFIC INCIDENTS FROM VIDEOS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: CUI Yingying;HE Chengsong;LIU Zeyu;XUE Liyuan;ZHANG Lei~

2026/01667 ~ Complete ~54:APPLICATION OF WHEAT TASNRKALPHA1 GENE IN REGULATING WHEAT POLLEN FERTILITY ~71:Shandong Agricultural University, No. 61 Daizong Street, Taishan District, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: GAO Kangyue;GAO Xinqi;HAN Xiao;WANG Di;XU Meichen~

2026/01674 ~ Complete ~54:HYDROGEN PRODUCTION AND CONVEYANCE SYSTEM ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRIAN LEE MOFFAT;DANIEL WILLIAM PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:63/026,670 ~32:18/05/2020;33:US ~31:63/060,145 ~32:03/08/2020;33:US ~31:63/186,709 ~32:10/05/2021;33:US ~31:17/320,541 ~32:14/05/2021

2026/01687 ~ Complete ~54:METHOD AND DEVICE FOR ELECTRICALLY HEATING A STREAM OF HEAT-TRANSPORTING FLUID ~71:SYNHELION AG, Dufourstrasse 101, ZÜRICH 8008, SWITZERLAND, Switzerland ~72: AMBROSETTI, Gianluca;GOOD, Philipp~ 33:CH ~31:CH000864/2023 ~32:11/08/2023;33:CH ~31:CH001066/2023 ~32:28/09/2023;33:CH ~31:CH001099/2023 ~32:05/10/2023

2026/01671 ~ Complete ~54:HYDROGEN PRODUCTION AND CONVEYANCE SYSTEM ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRIAN LEE MOFFAT;DANIEL WILLIAM PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:63/026,670 ~32:18/05/2020;33:US ~31:63/060,145 ~32:03/08/2020;33:US ~31:63/186,709 ~32:10/05/2021;33:US ~31:17/320,541 ~32:14/05/2021

2026/01682 ~ Complete ~54:AIRFLOW ADJUSTMENT DEVICE AND METHOD FOR MINE ROADWAY ~71:Central South University, No. 932 Lushan South Road, Yuelu District, Changsha, Hunan, 410000, People's Republic of China;GUANGXI HUAXI GROUP CO., LTD, No. 71, Chengxi Road, Hechi, Guangxi, 547099, People's Republic of China;Guangxi Fozi Mining Co., Ltd, Building 17 (Factory Office Building), Fozi Mine, Guyi Village, Anping Town,Cenxi City, Wuzhou, Guangxi, 543200, People's Republic of China;LIUZHOU HUAXI NONFERROUS DESIGN AND RESEARCH INSTITUTE CO., LTD, No. 230, Building 3, Building A, No. 19 Chuyang Road, Liuzhou City, Guangxi Zhuang Autonomous Region, Production And Operation Location: No. 10, East 2nd Road, Science And Technology Park,Yufeng District, Liuzhou, Guangxi, 545616, People's Republic of China ~72: CHEN Zhiqing;CHENG Linqing;DENG Jianming;LI Luxin;LIU Wei;YANG Chun~ 33:CN ~31:202510277836.4 ~32:10/03/2025

2026/01685 ~ Complete ~54:NEW INTELLIGENT HOLE INSPECTION DEVICE AND METHOD FOR MEDIUM-LENGTH HOLE BLASTING ~71:Central South University, No. 932 Lushan South Road, Yuelu District, Changsha, Hunan, 410000, People's Republic of China;GUANGXI HUAXI NONFERROUS METALS CO., LTD, 9th Floor, Block B, Beibu Gulf Shipping Center, No. 12 Tiqiang Road, Liangqing District, Nanning, Guangxi, 530000, People's Republic of China;Guangxi Fozi Mining Co., Ltd, Building 17 (Factory Office Building), Fozi Mine, Guyi Village, Anping Town, Cenxi City, Wuzhou, Guangxi, 543200, People's Republic of China;LIUZHOU HUAXI NONFERROUS DESIGN AND RESEARCH INSTITUTE CO., LTD, No. 230, Building 3, Building A, No. 19 Chuyang Road, Liuzhou City, Guangxi Zhuang Autonomous Region, Production And Operation Location: No. 10, East 2nd Road, Science And Technology Park,Yufeng District, Liuzhou, Guangxi, 545616, People's Republic of China ~72: CHEN Zhiqing;DENG Jianming;LI Luxin;LIU Wei;QIN Yonghua;WU Lewen;YANG Chun~ 33:CN ~31:202510071026.3 ~32:16/01/2025

2026/01695 ~ Complete ~54:HAIR DRYER ~71:SHANGHAI FLYCO ELECTRICAL APPLIANCE CO., LTD., No.555 East Guangfulin Road, Songjiang District, Shanghai, 201600, People's Republic of China ~72: LI GAITENG~ 33:CN ~31:CN202311081019.9 ~32:25/08/2023;33:CN ~31:CN202411160348.7 ~32:22/08/2024

2026/01655 ~ Complete ~54:USE OF PIR-HSA-3636662 ~71:Qingdao University, No.308 Ningxia Road, Shinan District, Qingdao City, Shandong Province, 266071, People's Republic of China ~72: Haijun LU;Hongbo LIU;Junlin LV;Nailong PAN;Shan YANG;Shunxian XIA;Wenhua XU;Xiaomin WANG;Xiaoyan LI~ 33:CN ~31:CN2026100908669 ~32:23/01/2026

2026/01662 ~ Complete ~54:AGE-FRIENDLY GUIDANCE SYSTEM FOR PUBLIC TRANSPORTATION PLATFORMS ~71:KUNMING UNIVERSITY, No. 2, Puxin Road, Kunming Economic and Technological Development Zone, Kunming City, Yunnan Province, 650214, People's Republic of China ~72: Li ZHU~

2026/01663 ~ Complete ~54:AN INTELLIGENT GUIDANCE SYSTEM FOR ELDERLY TOURISTS IN SCENIC AREAS ~71:KUNMING UNIVERSITY, No. 2, Puxin Road, Kunming Economic and Technological Development Zone, Kunming City, Yunnan Province, 650214, People's Republic of China ~72: Li ZHU~

2026/01668 ~ Complete ~54:AUTOMATED BIODYNAMIC FERMENTATION TANK ~71:Xinjiang Agricultural Vocational and Technical University, 29 Wenhua East Road, Changji Hui Autonomous Prefecture, Xinjiang Uygur Autonomous Region, 831100, People's Republic of China;Xinjiang Xiyuan Samet Wine Co. LTD, (China (Xinjiang) Pilot Free Trade Zone), Room 101, Factory Building 6, No. 3100, Lianghe Road, Economic and Technological Development Zone (Toutunhe District), Urumqi, Xinjiang Uygur Autonomous Region, 830000, People's Republic of China ~72: AN Mengting;Bulbul•SAWUT;CHE Yuhong;DANG Jianlei;HAN Xiaopeng;LI Kunliang;LIAO Ling;MA Wenpeng;SHI Pengchuan;TAO Jinhua;WANG Xia;WU Jinrong;YAN Suping;YANG Jiaming;ZHAO Yinglian~ 33:CN ~31:202511165670.3 ~32:20/08/2025

2026/01676 ~ Complete ~54:ELECTRONIC SEAL SYSTEM FOR ACCESSING DIGITAL MAILBOX, AND METHOD FOR ACCESSING DIGITAL MAILBOX ~71:Jinqian HU, Room 302, Unit 2, Building 10, Mingshijiayuan, Xihu District,, Hangzhou, Zhejiang, 310012, People's Republic of China ~72: Ai GUO;Jinqian HU;Xinyi CAI~ 33:CN ~31:202311239462.4 ~32:22/09/2023

2026/01679 ~ Complete ~54:ARCHED TUNNEL STRUCTURE AND ARCHED TUNNEL CONSTRUCTION METHOD ~71:ERCHU CO., LTD. OF CHINA RAILWAY TUNNEL GROUP, South Side of Xueyuan Road Street, Yanjiao Development Zone, Sanhe, Langfang, Hebei 065201, People's Republic of China ~72: CHEN, Xin;HOU, Zhanjing;HU, Yang;HUANG, Xiaolong;LIU, Yusong;LUO, Xuan;SHEN, Haiqi;SUN, Liangliang;WANG, Pengfei;YUAN, Fugui;ZHAO, Dong;ZHOU, Yang~ 33:CN ~31:202310954255.0 ~32:31/07/2023

2026/01680 ~ Complete ~54:A HOT ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Blandine OEHLER;Sujay SARKAR~ 33:IB ~31:PCT/IB2023/058311 ~32:21/08/2023

2026/01686 ~ Complete ~54:LIPOSOME ENCAPSULATED APOMORPHINE ~71:LIPOSOME HOLDINGS LIMITED, C/- Massey Ventures Limited, Tennent Drive, Turitea, PALMERSTON NORTH 4410, NEW ZEALAND, New Zealand ~72: MACKAY, Sean Marshall~ 33:AU ~31:2023902202 ~32:10/07/2023

2026/01698 ~ Provisional ~54:SYSTEM AND METHOD FOR SECURE ELEMENT-BASED AI AGENT IDENTITY AND AUTONOMOUS TRANSACTION AUTHORITY WITH HARDWARE ROOTED CRYPTOGRAPHIC KEY MANAGEMENT ~71:FRANCOIS PIERRE JOUBERT, 521,20th Ave, Rietfontein Gauteng, South Africa ~72: FRANCOIS PIERRE JOUBERT~

2026/01672 ~ Complete ~54:HYDROGEN PRODUCTION AND CONVEYANCE SYSTEM ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRIAN LEE MOFFAT;DANIEL WILLIAM PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:63/026,670 ~32:18/05/2020;33:US ~31:63/060,145 ~32:03/08/2020;33:US ~31:63/186,709 ~32:10/05/2021;33:US ~31:17/320,541 ~32:14/05/2021

2026/01675 ~ Complete ~54:ROOT OF TRUST SYSTEM FOR GLOBAL DATA RIGHT CONFIRMATION AND AUTHORIZATION AND METHOD FOR GLOBAL DATA RIGHT CONFIRMATION AND AUTHORIZATION ~71:Jinqian HU, Room 302, Unit 2, Building 10, Mingshijiayuan, Xihu District,, Hangzhou, Zhejiang, 310012, People's Republic of China ~72: Ai GUO;Jinqian HU;Xinyi CAI~ 33:CN ~31:202311001580.1 ~32:09/08/2023

2026/01678 ~ Complete ~54:AEROSOL-GENERATING ARTICLE COMPRISING A PLUG ELEMENT COMPRISING A PROCESSED PAPER MATERIAL ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: LORENZETTI, Cesare;PAPAKYRILLOU, Stefanos~ 33:EP ~31:23185397.9 ~32:13/07/2023

2026/01681 ~ Complete ~54:METHOD FOR COMPACTING A MATERIAL ~71:MONDI AG, Marxergasse 4A, Austria ~72: LEITNER, Johannes~ 33:AT ~31:A50739/2023 ~32:12/09/2023

2026/01689 ~ Complete ~54:SENSING APPARATUS FOR A CRUSHER AND METHODS THEREOF ~71:FLSMIDTH A/S, Vigerslev Alle 77, VALBY 2500, DENMARK, Denmark ~72: FOGH, Poul;JARA, Vladimir;KUPSTAS, Trevor;MANOHARAN, Jayachandran;POTRATZ, Bryan~ 33:US ~31:63/531,970 ~32:10/08/2023

2026/01691 ~ Complete ~54:FUNCTIONALIZED AURISTATINS, PHARMACEUTICAL COMPOSITIONS, AND THERAPEUTIC APPLICATIONS ~71:SURIO THERAPEUTICS CO., LTD, Floor 4, Building 3, Yunmeng Road 1, West Lake University District Hangzhou, Zhejiang, 310024, People's Republic of China ~72: JIANJUN CHENG;KAIMIN CAI~ 33:CN ~31:PCT/CN2023/106536 ~32:10/07/2023

2026/01637 ~ Provisional ~54:IOPTAS – INTEGRATED ORGANISATIONAL PRODUCTIVITY & TIME ATTRIBUTION SYSTEM ~71:Moropa Ashley Alexander Madisha, 13 Gateway Manor Malodie, South Africa ~72: Moropa Ashley Alexander Madisha~

2026/01641 ~ Provisional ~54:SLIP BOX ELECTRONIC RECEIPT MANAGEMENT AND DATA MONETIZATION SYSTEM ~71:Willem Hendrik Labuschagne, 12 Hefer Street, Risiville, Vereeniging, Gauteng, 1963, South Africa ~72: Willem Hendrik Labuschagne~

2026/01647 ~ Provisional ~54:MUNICIPAL SPATIAL TRUTH REGISTERS AND AUTHORITY-GOVERNED SYSTEMS FOR VERIFIED PHYSICAL LOCATION RECORDS ~71:Itumeleng Motaung, 132 Moseu Street Moseleke, South Africa;Thulani Cedrick Dlamini, 16 Nonyana Street Monise, South Africa ~72: Itumeleng Motaung;Thulani Cedrick Dlamini~

2026/01649 ~ Provisional ~54:SYSTEM AND METHOD FOR AGGREGATION-SAFE CRYPTOGRAPHIC RECONCILIATION VERIFICATION OF DECLARED EVENTS USING DETERMINISTIC PRE-AGGREGATION FINGERPRINTING ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01651 ~ Complete ~54:DIGITAL MEDIA ANIMATION DEMONSTRATION DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: GU Lijuan;JI Wenjin;ZHAO Mingfei~

2026/01652 ~ Complete ~54:APPLICATION OF WHEAT TAFLP GENE IN INCREASING WHEAT SPIKELET NUMBER ~71:Shandong Agricultural University, No. 61 Daizong Street, Taishan District, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: GAO Xinqi;LI Haoyang;SANG Tian;WANG Ziming;XU Meichen~

2026/01657 ~ Complete ~54:SOLID-STATE REFRIGERATION HEAT EXCHANGE DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: WANG Xinlian;WANG Yarui~

2026/01659 ~ Complete ~54:PCR DETECTION METHOD AND APPLICATION FOR G3 GENOGROUP PORCINE BOCAVIRUS BASED ON VP1 GENE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: FU Pengfei;GAO Dingzhuo;HONG Jun;LIN Jiawen;LU Min;PI Siyi;SHI Yiyang;WANG Dongmei;WEN Yue;YUAN Jiayi;ZHANG Ya;ZHANG Yuyan~

2026/01660 ~ Complete ~54:INTELLIGENT SAFETY WARNING METHOD AND SYSTEM BASED ON HUMAN-MACHINE MULTI-SOURCE PERCEPTION ~71:CHINA RAILWAY FIRST BUREAU GROUP CO., LTD. INTELLIGENT TECHNOLOGY BRANCH COMPANY, No. 1 Yanta North Road, Beilin District, Xi'an City, People's Republic of China;CHINA RAILWAY FIRST ENGINEERING GROUP CO., LTD., No. 1 Yanta North Road, Beilin District, Xi'an City, People's Republic of China;SHAANXI DIGITAL CRAFT CLOUD TECHNOLOGY CO., LTD.,

Room 1208-1211, 12th Floor, Galaxy Building B, Collaborative Innovation Port, Fengdong New District, Xi'an City, People's Republic of China ~72: BU, Dongping;FU, Yong;GE, Mengyao;LI, Shaobin;LI, Wanglei;LI, Yangdi;LIANG, Xijun;LIU, Feng;LIU, Jia;MENG, Feng;SONG, Hongqing;SU, Bin;SUN, Liming;WANG, Wei;WANG, Xiaolin;WU, Shengtao;XU, Hong;YAO, Renjie;ZHU, Shijie~ 33:CN ~31:2025109473719 ~32:09/07/2025

2026/01683 ~ Complete ~54:METHOD OF MANUFACTURING PALM SEQUESTERED CARBON BOARDS ~71:AL TALAH BOARD MANUFACTURING COMPANY LTD., P O Box 62393, United Arab Emirates ~72: FARAH, Hatem~ 33:US ~31:63/533,363 ~32:18/08/2023;33:US ~31:63/683,860 ~32:16/08/2024

2026/01690 ~ Complete ~54:METHOD FOR DETERMINING A COMPRESSOR OPERATING MARGIN ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: EBRAHIM LOUARROUDI;HANS VANDE SANDE;MICHEL HILLEN;PHILIPPE GEUENS~ 33:BE ~31:2023/5723 ~32:31/08/2023

2026/01692 ~ Complete ~54:METHOD FOR MONITORING THE OPERATION OF A COMPRESSOR AND SUPPORTING APPARATUS THEREOF ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: EBRAHIM LOUARROUDI;HANS VANDE SANDE;MICHEL HILLEN;PHILIPPE GEUENS~ 33:BE ~31:BE2023/5724 ~32:31/08/2023

2026/01694 ~ Complete ~54:EXPANSION CHAMBER FOR A COMPRESSOR DEVICE AND COMPRESSOR DEVICE EQUIPPED WITH SUCH AN EXPANSION CHAMBER ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: TOON WITTERS~ 33:BE ~31:2023/5749 ~32:14/09/2023

2026/01696 ~ Complete ~54:BEIDOU OFFSHORE MULTIPATH INTERFERENCE ELIMINATION METHOD AND APPARATUS BASED ON WAVELET PACKET ANALYSIS ~71:GUANGXI ACADEMY OF SCIENCES, No.98, Daling Road, Nanning, People's Republic of China;NANNING NORMAL UNIVERSITY, No. 175, Mingxiu East Road, Nanning, People's Republic of China ~72: LIU, Xiaoning;WU, Di;WU, Man;XU, Guilin;YAN, Xiaomin~ 33:CN ~31:202310853803.0 ~32:12/07/2023

2026/01693 ~ Complete ~54:MULTISPECIFIC BINDING PROTEINS THAT BIND DECTIN-1 AND TROP-2 AND METHODS OF USE THEREOF ~71:DREN BIO MANAGEMENT, INC., 835 Industrial Rd., Suite 400, San Carlos, California, 94070, United States of America ~72: ANDREW P AH YOUNG-CHAPON;NENAD TOMASEVIC;PANAGIOTIS FOTAKIS;PAULA SO;XIAODI DENG~ 33:US ~31:63/530,018 ~32:31/07/2023

2026/01639 ~ Provisional ~54:SYSTEMS AND METHODS FOR POLICY-VERSION-BOUND CERTIFICATION, RECERTIFICATION, RELIANCE AUTHORIZATION, AND RELIANCE WARRANTY DETERMINATION USING REPLAYABLE CRYPTOGRAPHIC PROOF BUNDLES FOR GOVERNED COMPUTATION ARTEFACTS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01644 ~ Provisional ~54:RAPID FOLDABLE DREDGE ~71:JEAN MEINTJES, FARM MAZUNGA GRAVELOTTE, South Africa ~72: JEAN MEINTJES~

2026/01666 ~ Complete ~54:SHEBAIJIEPU MODIFIED PILL FOR TREATING INFERTILITY CAUSED BY OVARIAN DYSFUNCTION ~71:MU Keyuan, No. 28 Mingxi Lane, Yuzhou District, Yulin City, Guangxi, 537000, People's Republic of China ~72: FU Peng;LIANG Dehai;LIANG Ping;MU Keyuan;TU Wenxu;WU Xuefeng~

2026/01677 ~ Complete ~54:REMOVAL OF METAL SPECIES ~71:SELOXIUM LIMITED, First Floor Building 9400, Alec Issigonis Way, United Kingdom ~72: COLLEY, Steve;HANDS, Kane;HANKINS, Nick~ 33:GB ~31:2312998.4 ~32:25/08/2023

2026/01684 ~ Complete ~54:DETECTION METHOD FOR UNDERWATER ROBOTS AND DRONES AND DEVICE SUITABLE FOR ITS IMPLEMENTATION ~71:ANTSELEVICH, Mikhail, Aleksandrovich, GENERAL BELOBORODOV STREET, 19, KV. 7, MOSCOW 125222, RUSSIAN FEDERATION, Russian Federation ~72: ANTSELEVICH, Mikhail, Aleksandrovich~ 33:EP ~31:23194279.8 ~32:30/08/2023

2026/01688 ~ Complete ~54:NOVEL SOLID COMPOSITIONS FOR CONTROLLING PESTS AND THE PROTECTION OF LIVESTOCK PREMISES ~71:ADAMA MAKHTESHIM LTD., P.O. Box 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: CARESPODI, John;KNOX, Marie;MCDONALD, Danny;PECK-PEARCE, J. Chance;ROSS, Douglas H.~ 33:US ~31:63/530,264 ~32:02/08/2023

2026/01640 ~ Provisional ~54:MACHINE-VERIFIABLE RELIANCE OUTPUTS FOR MODEL OUTPUTS USING POLICY-VERSION, PURPOSE, AND TIME-SEMANTICS BINDING WITH DETERMINISTIC REPLAY AND MISMATCH DIAGNOSTICS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01643 ~ Provisional ~54:ZYTEC RETAIL REWARDS CHECKOUT SYSTEM ~71:Kennett Technical Services cc, Unit 66, Hazy Ridge, 9 Swallow Lane, South Africa ~72: Barrie Charles Kennett~

2026/01645 ~ Provisional ~54:A MULTIMODAL COMMUNICATION SYSTEM USING GESTURE RECOGNITION, VISUAL ENCODING AND HAPTIC FEEDBACK ~71:Sign2Talk NPC, Plot 644 Rietkuil, South Africa ~72: Samuel Fortuin~

2026/01650 ~ Complete ~54:PREPARATION METHOD FOR CLOSED FOAM CERAMICS BASED ON CERAMIC SOLID WASTE ~71:Jingdezhen Ceramic University, (Xianghu Campus, Jingdezhen Ceramic University) 676 Gaoling Avenue, Fuliang County, Jingdezhen City, Jiangxi, 333403, People's Republic of China ~72: SHI, Jijun;SUN, Guoliang~

2026/01656 ~ Complete ~54:PROBABILITY AND STATISTICS DEVICE FOR APPLIED MATHEMATICS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN Yao;LIU Changsheng;SUN Jianan;ZHANG Yao;ZHOU Yiming~

2026/01665 ~ Complete ~54:A BATTERY PACK FIRE SIMULATION TEST DEVICE ~71:China Machinery Huanyu(Shan Dong)Vehicle Certification And Testing Co., Ltd, No. 1266 Chongde Fifth Avenue, Yuanqiao Town, Economic and Technological Development Zone, Dezhou City, Shandong Province, 253084, People's Republic of China ~72: HUANG, Xiaobo;TIAN, Xiaochong~ 33:CN ~31:202510864581.1 ~32:26/06/2025

2026/01669 ~ Complete ~54:PROCESS FOR EXTRACTING TOTAL FLAVONOIDS FROM THE TUBEROUS ROOTS OF ARGENTINA ANSERINA (L.) ~71:Jiangsu Second Normal University, No.77 Beijing West Road, Gulou District, Nanjing City, Jiangsu Province, 211000, People's Republic of China ~72: LIU Shaohua;QIN Cheng;ZAI Yu;ZHU Xueshen~

2026/01700 ~ Provisional ~54:GABI BOX ~71:Andre Francois Du Toit, 18 Roodeberg Ave, South Africa ~72: Andre Francois du Toit~

2026/01699 ~ Provisional ~54:A SYSTEM AND METHOD FOR DYNAMICALLY MANAGING LOAN-TO-VALUE RATIOS IN CRYPTO ASSET COLLATERALISED LENDING ~71:Tyron Derek Curtis, 19 Melrose Place, South Africa ~72: Tyron Derek Curtis~

2026/01801 ~ Complete ~54:A HOT ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Blandine OEHLER;Sujay SARKAR~ 33:IB ~31:PCT/IB2023/058309 ~32:21/08/2023

2026/01646 ~ Provisional ~54:METHODS AND SYSTEMS FOR THE VERIFICATION, CONFLICT RESOLUTION, AND INTEGRITY MANAGEMENT OF PHYSICAL LOCATION RECORDS ~71:Itumeleng Motaung, 132 Moseu Street Moseleke, South Africa;Thulani Cedrick Dlamini, 16 Nonyana Street Monise, South Africa ~72: Itumeleng Motaung;Thulani Cedrick Dlamini~

2026/01648 ~ Provisional ~54:RESILIENCE INTELLIGENCE & GOVERNANCE SYSTEM™ (RIGS™) ~71:7 SLASH INNOVATIONS PTY LTD, 58 Van Den He ever Street, South Africa ~72: Thabang Timothy Mambalo~

2026/01653 ~ Complete ~54:ENGLISH SIMULTANEOUS INTERPRETATION METHOD AND SYSTEM SUITABLE FOR CONFERENCE VENUE ENVIRONMENTS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: LI Pandeng;ZHANG Yumeng~

2026/01658 ~ Complete ~54:SOLIDIFICATION METHOD FOR SOLID WASTE ~71:Beijing Research Institute of Chemical Engineering and Metallurgy, No. 145 Jiukeshu, Tongzhou District, Beijing, 101149, People's Republic of China;China Nuclear Mining Science and Technology Corporation, No. 145 Jiukeshu, Tongzhou District, Beijing, 101149, People's Republic of China ~72: Chen ZHANG;Guang LI;Jia MA;Shouxun ZHANG;Xian XIE;Yuhui TIAN;Yuyao WU~ 33:CN ~31:202510145141.0 ~32:10/02/2025

2026/01661 ~ Complete ~54:AGE-FRIENDLY PEDESTRIAN CROSSING PROJECTION MARKING DEVICE ~71:KUNMING UNIVERSITY, No. 2, Puxin Road, Kunming Economic and Technological Development Zone, Kunming City, Yunnan Province, 650214, People's Republic of China ~72: Li ZHU~ 33:CN ~31:2026201587105 ~32:03/02/2026

2026/01670 ~ Complete ~54:A FLOW SYNTHESIS METHOD FOR THE MANUFACTURE OF TERIFLUNOMIDE ~71:NELSON MANDELA UNIVERSITY, University Way, Summerstrand, 6001 Port Elizabeth, South Africa ~72: FAITH MARY AKWI;PAUL WATTS~

2026/01673 ~ Complete ~54:HYDROGEN PRODUCTION AND CONVEYANCE SYSTEM ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRIAN LEE MOFFAT;DANIEL WILLIAM PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:63/026,670 ~32:18/05/2020;33:US ~31:63/060,145 ~32:03/08/2020;33:US ~31:63/186,709 ~32:10/05/2021;33:US ~31:17/320,541 ~32:14/05/2021

2026/01697 ~ Provisional ~54:ELECTROMAGNETIC SOLENOID INTERNAL TRUCK BODY DOOR AND CONTAINER LOCKS ~71:Anthony Arthur Storror, 10 Little Killarney, Newmont road, Selcourt, South Africa ~72: Anthony Arthur Storror~

2026/01638 ~ Provisional ~54:SYSTEM AND METHOD FOR AUTHORITATIVE TRANSACTION-LEVEL CRYPTOGRAPHIC RECONCILIATION, AUTOMATED TAX CALCULATION, AND DETERMINISTIC COMPLIANCE ENFORCEMENT USING MANDATORY DECLARED EVENT SUBMISSION WITH TWO-TIER ROLE-REVERSIBLE CRYPTOGRAPHIC IDENTIFIERS ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01642 ~ Provisional ~54:SYSTEM AND METHOD FOR REAL-TIME AUDIO TRANSLATION OF AUDIO STREAM ~71:PHILLIPS, Trevor Desmond, 32, 1st Ave, Emanzini Flat, Unit 204, FLORIDA, Roodepoort 1709, Gauteng Province, SOUTH AFRICA, South Africa ~72: PHILLIPS, Trevor Desmond~

2026/01654 ~ Complete ~54:CARBON ACCOUNTING LEDGER DATA COLLATION AND ARCHIVING DEVICE ~71:Jiexian Liu, No. 1335, Cuihu 4th Road, Tongguan Dist., Tongling, Anhui, People's Republic of China;Tongling

University, No. 1335, Cuihu 4th Road, Tongguan Dist., Tongling, Anhui, People's Republic of China ~72: Jiexian Liu~

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2026/01741 ~ Provisional ~54:ATLAS CORE REGULATED COGNITIVE KERNEL ~71:Sudhir, 4 sandfields road tongaat, South Africa ~72: Sudhir Singh~

2026/01708 ~ Provisional ~54:A SYSTEM-OF-SYSTEMS FOR THE COLLECTION, TRANSPORT, AND DOWNSTREAM PROCESSING OF STANDARDIZED NEUTRALIZED ABSORBENT HYGIENE WASTE ~71:Andre Claassen, 18 White Caps Way, Whale Rock Verde, South Africa ~72: Andre Claassen~

2026/01714 ~ Complete ~54:METHOD AND DEVICE FOR PLANNING CONFIGURATION OF AIRPORT CHECK-IN AND BAGGAGE DROP-OFF COUNTERS ~71:ZHONGJIA JINCHENG (BEIJING) TECHNOLOGY CO., LTD., Room 315, 3rd Floor, No.78 Tonghu Street, Tongzhou District, Beijing, 101100, People's Republic of China ~72: KE, Hongsheng;SUN, Chenglong;WANG, Jinfeng~ 33:CN ~31:202510184981.8 ~32:19/02/2025

2026/01720 ~ Complete ~54:A HIGH-YIELD CULTIVATION METHOD FOR INTERCROPPING MAIZE VARIETIES WITH DIFFERENT PLANT ARCHITECTURES ~71:SHANDONG AGRICULTURAL UNIVERSITY, No. 61, Daizong Street, Tai'an City, People's Republic of China ~72: DING, Xiangpeng;GUO, Xu;HE, Zaiyu;WANG, Xingxing;ZHAO, Bin;ZHAO, Hongchao~ 33:CN ~31:202510255497X ~32:04/03/2025

2026/01722 ~ Complete ~54:DUAL-DETECTION MECHANISM-BASED 10G MAC BUS SHARING METHOD AND DEVICE ~71:JINLING INSTITUTE OF TECHNOLOGY, No. 99, Hongjing Avenue, Jiangning District, People's Republic of China ~72: ZHANG, Lifeng;ZOU, Lingjun~

2026/01725 ~ Complete ~54:SPOILER MEMBER, FLUIDIZED BED REACTOR PROVIDED WITH SPOILER MEMBER, AND USE THEREOF ~71:CHINA PETROLEUM & CHEMICAL CORPORATION, 22 Chaoyangmen North Street, Chaoyang District, People's Republic of China;SINOPEC (SHANGHAI) RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY CO., LTD., 1600 Pudong Bei Road Pudong New Area, People's Republic of China ~72: GAO, Pan;LI, Xiaohong;QI, Guozhen;YU, Zhinan;ZHENG, Yijun~ 33:CN ~31:202311278071.3 ~32:28/09/2023

2026/01733 ~ Complete ~54:STAT6 DEGRADERS AND USES THEREOF ~71:KYMERA THERAPEUTICS, INC., 500 North Beacon Street, 4th Floor, WATERTOWN 02472, MA, USA, United States of America ~72: BEUMING, Thijs;COLLIER, Philip;DONG, Huijun;FEI, Xue;FOLLOWS, Bruce C.;HUANG, Xin;MAINOLFI, Nello;SU, Lijing;WEISS, Matthew M.;YANG, Bin;ZHANG, Yi;ZHENG, Xiaozhang;ZHU, Xiao~ 33:US ~31:63/579,812 ~32:30/08/2023;33:US ~31:63/617,359 ~32:03/01/2024;33:US ~31:63/649,863 ~32:20/05/2024;33:US ~31:63/678,903 ~32:02/08/2024

2026/01738 ~ Complete ~54:ADENOVIRUSES ~71:THEOLYTICS LTD, The Sherard Building, Edmund Halley Road, Oxford Science Park, Oxford, Oxfordshire, OX4 4DQ, United Kingdom ~72: KERRY DAVID FISHER;MARGARET R DUFFY;WILLIAM KEITH TAVERNER~ 33:GB ~31:2310617.2 ~32:11/07/2023;33:GB ~31:2310618.0 ~32:11/07/2023;33:GB ~31:2319182.8 ~32:14/12/2023;33:GB ~31:2319693.4 ~32:20/12/2023;33:GB ~31:2401712.1 ~32:08/02/2024;33:GB ~31:2401715.4 ~32:08/02/2024;33:GB ~31:2401719.6 ~32:08/02/2024;33:GB ~31:2401729.5 ~32:08/02/2024;33:GB ~31:2405058.5 ~32:09/04/2024

2026/01740 ~ Provisional ~54:BENEFICIAL ROLLER CARRIAGES ~71:HILTON BRIAN THOMAS, 309 THORA COURT, KITE STR, HORISONS, South Africa ~72: HILTON BRIAN THOMAS~

2026/01704 ~ Provisional ~54:SOLAR-POWERED SMART LIVESTOCK FEEDING AND HEALTH MONITORING SYSTEM 3 ~71:Abakus Holdings Ltd (PTY), 251 Jiyane section, South Africa ~72: Obrey Khumalo~

2026/01706 ~ Provisional ~54:A SYSTEM AND METHOD FOR THE HYGIENIC NEUTRALIZATION, STANDARDIZATION, AND CONTAINMENT OF ABSORBENT HYGIENE WASTE AT POINT OF USE ~71:Andre Claassen, 18 Whale Rock Verde, White Caps Way,, South Africa ~72: Andre Claassen~

2026/01711 ~ Complete ~54:ENDOSCOPIC HELICOBACTER PYLORI VITAL STAINING DIAGNOSTIC SOLUTION, PREPARATION METHOD AND USE ~71:CANCER HOSPITAL CHINESE ACADEMY OF MEDICAL SCIENCES, No. 17, Panjiayuan Nanli, Chaoyang District, Beijing, 100020, People's Republic of China ~72: Pingping LIU;Rui LIANG;Shun HE;Yao LU;Yicheng WANG~ 33:CN ~31:2026101369088 ~32:30/01/2026

2026/01717 ~ Complete ~54:HIGH-SPEED PRECISION GEAR TRANSMISSION DEVICE FOR HOUSEHOLD STEAM CLEANING APPLIANCES ~71:Suzhou baolijie Intelligent Electrical Appliance Co., Ltd, 3rd Floor, Building C, No. 5 Xingdong Road, Hengjing Street, Wuzhong District, Suzhou City, Jiangsu Province, People's Republic of China ~72: WANG ZHIHAO~ 33:CN ~31:2025114319203 ~32:09/10/2025

2026/01724 ~ Complete ~54:METHOD AND SYSTEM FOR MULTIMODAL REMOTE SENSING IMAGE REGISTRATION INTEGRATING MUTUAL INFORMATION AND INTENSITY DIFFERENCE ~71:Jinggangshan University, No. 28 Xueyuan Road, Ji'an City, Jiangxi Province, People's Republic of China ~72: CHEN, Cheng;LAN, Xingxing;LI, Yuehui;LIU, Huan;OUYANG, Chunjuan;XIAO, Genfu~ 33:CN ~31:202610084277X ~32:22/01/2026

2026/01730 ~ Complete ~54:COMPOUNDS COMPRISING A NAPHTHYRIDINE OR PYRIDOPYRIMIDINE CORE AS PTC READ-THROUGH AGENTS ~71:Tay Therapeutics Limited, Life Sciences Innovation Hub, 5 James Lindsay Place, DUNDEE DD1 5JJ, SCOTLAND, UNITED KINGDOM, United Kingdom ~72: BELL, Mark;FOLEY, David;WOODLAND, Christopher Andrew~ 33:GB ~31:2310623.0 ~32:11/07/2023;33:GB ~31:2319859.1 ~32:21/12/2023

2026/01739 ~ Complete ~54:CD19-TARGETED CAR T CELL THERAPY ~71:PRECIGEN, INC., 20358 Seneca Meadows Parkway, Germantown, Maryland, 20876, United States of America ~72: CHERYL G BOLINGER;DOUGLAS E BROUGH;SHAMIM AHMAD;TIM CHAN~ 33:US ~31:63/516,565 ~32:31/07/2023;33:US ~31:63/566,848 ~32:18/03/2024

2026/01707 ~ Provisional ~54:A STANDARDIZED SEALED CAPSULE FOR THE CONTAINMENT, HANDLING, AND TRANSPORT OF NEUTRALIZED ABSORBENT HYGIENE WASTE ~71:Andre Claassen, 18 Whale Rock Verde, White Caps Way, South Africa ~72: Andre Claassen~

2026/01709 ~ Provisional ~54:SYSTEMS AND METHODS FOR MEASURING, GOVERNING, AND OPERATIONALLY APPLYING EMPATHY ACROSS CUSTOMER EXPERIENCE TOUCHPOINTS ~71:TIEGO NTOMBELA, 43 LAPALALA CRESCENT, South Africa ~72: Tiego Ntombela~

2026/01716 ~ Complete ~54:METHOD FOR PREPARING SILICON NANOWIRE FOR NEGATIVE ELECTRODE OF LITHIUM BATTERY ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 318, Liuhe Road, Xihu District, Hangzhou, Zhejiang, People's Republic of China ~72: CHEN Jirui;GONG Xingyu;LIU Wei;WANG Bin;WANG Fan;WANG Yuxin;YANG Zhenyu;ZHANG Hai~ 33:CN ~31:2026101292029 ~32:29/01/2026

2026/01723 ~ Complete ~54:COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR ROUTING DATA QUERIES IN A DISTRIBUTED DATA ENVIRONMENT ~71:CAISA AI TECHNOLOGY (PTY) LTD, The Oval The Oval Block 18 3 18J 7 Wilkins Bundting Street, South Africa ~72: MODIKWE, Itshekang Isaac~

2026/01726 ~ Complete ~54:CIRCULATING FLUIDIZED BED REACTOR AND USE THEREOF ~71:CHINA PETROLEUM & CHEMICAL CORPORATION, 22 Chaoyangmen North Street, Chaoyang District, People's Republic of China;SINOPEC (SHANGHAI) RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY CO., LTD., 1600 Pudong Bei Road Pudong New Area, People's Republic of China ~72: GAO, Pan;LI, Xiaohong;QI, Guozhen;YU, Zhinan;ZHENG, Yijun~ 33:CN ~31:202311278071.3 ~32:28/09/2023

2026/01728 ~ Complete ~54:ANTIBODY CAPABLE OF BINDING TO INTERLEUKIN-31 OR ANTIGEN BINDING FRAGMENT THEREOF, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:BEIJING VJTBIO CO., LTD., Building 2, No. 9 Courtyard, Yongteng North Road, Yongfeng Base, Haidian District, People's Republic of China ~72: HAN, Guo;LUO, Haoshu;TAN, Zemin;WU, Bingchun;YAN, Lin~ 33:CN ~31:202310894799.2 ~32:20/07/2023;33:CN ~31:202310941457.1 ~32:28/07/2023

2026/01701 ~ Provisional ~54:ADAPTIVE RESISTANCE EXERCISE METHOD, DEVICE, AND SYSTEM ~71:HOFSTEE, Erik Jan Willem, 290 Bootes Street, South Africa ~72: HOFSTEE, Erik Jan Willem~

2026/01705 ~ Provisional ~54:WASTE TREATMENT SYSTEM ~71:Ian Stokes, 43 Sienna, 11 Old Bush Road, La Lucia, 4051, South Africa ~72: Ian Stokes~

2026/01713 ~ Complete ~54:METHOD FOR PREPARING SILICON NANOSHEETS BY ELECTROCHEMISTRY BASED ON GRADIENTLY INCREASED TEMPERATURE AND CURRENT ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 318, Liuhe Road, Xihu District, Hangzhou, Zhejiang, People's Republic of China ~72: CHEN Jirui;GONG Xingyu;LIU Wei;WANG Bin;WANG Fan;WANG Yuxin;YANG Zhenyu;ZHANG Hai~ 33:CN ~31:2026101302904 ~32:29/01/2026

2026/01729 ~ Complete ~54:CRYSTAL FORM VI OF ACRYLAMIDE COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:GUANGZHOU LUPENG PHARMACEUTICAL CO., LTD., Room 616, Building B, No. 33 Science Avenue, Huangpu District, GUANGZHOU 510670, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: WU, Chun;XU, Xuesong;YE, Huiqing;ZHAN, Ningxin~ 33:IB ~31:2023/111497 ~32:07/08/2023

2026/01737 ~ Complete ~54:HEAT-TRANSFER FLUIDS FOR INDIRECT LIQUID COOLING SYSTEMS ~71:PERSTORP AB, 284 80 Perstorp, Sweden ~72: AMIR FARZANEH;STEFAN NILSSON~ 33:SE ~31:2330323-3 ~32:12/07/2023

2026/01703 ~ Provisional ~54:GUEST ASSISTANT & MANAGEMENT ~71:Dirk Steenkampe, 72 Service Road, Rietfontein, South Africa ~72: Dirk Steenkampe~

2026/01710 ~ Provisional ~54:TWO-COMPONENT ANTIMICROBIAL SYSTEM COMPRISING CONCENTRATED LIQUID IONIC SILVER AND DRY EXCIPIENT COMPOSITION FOR VETERINARY LIVESTOCK TREATMENT ~71:Ian McQueen, 18 Hoogenhout Crescent, South Africa ~72: Ian McQueen~ 33:ZA ~31:NA ~32:01/02/2026

2026/01718 ~ Complete ~54:SWELLING TANK FOR THE PRODUCTION OF ANTI-AGING SBS MODIFIED ASPHALT ~71:CHANG'AN UNIVERSITY, Middle-section of Nan'er Huan Road, Yanta District, Xi'an City, Shaanxi Province, 710064, People's Republic of China;XINJIANG NABA EXPRESSWAY DEVELOPMENT CO., LTD., 5th Floor, Comprehensive Building, No. 37 Tuanjie South Road, Korla City, Bayingolin Mongol Autonomous Prefecture, Xinjiang Uygur Autonomous Region, 841000, People's Republic of China ~72: Ainiwaer FUERHAITI;Dongdong YUAN;Hongkang LI;Jianjiang SHI;Jie LI;Jinhuan SHAN;Liangxuan LI;Lulu HOU;Nianwen YAO;Teng WANG;Wangjie WU;Wei JIANG;Yanzhong DONG;Yuan LI~ 33:CN ~31:2025119836047 ~32:26/12/2025

2026/01719 ~ Complete ~54:LIGATION CLIP ~71:The First Affiliated Hospital of Chongqing Medical University, No.1, Youyi Road, Yuanjiagang, Yuzhong District, Chongqing, 400042, People's Republic of China ~72: Tao Yang~

2026/01727 ~ Complete ~54:CIRCULATING FLUIDIZED BED REACTOR PROVIDED WITH SOLID DISTRIBUTION MEMBER AND APPLICATION THEREOF ~71:CHINA PETROLEUM & CHEMICAL CORPORATION, 22 Chaoyangmen North Street, Chaoyang District, People's Republic of China;SINOPEC (SHANGHAI) RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY CO., LTD., 1600 Pudong Bei Road Pudong New Area, People's Republic of China ~72: GAO, Pan;LI, Xiaohong;QI, Guozhen;WANG, Hongtao;YU, Zhinan;ZHENG, Yijun~ 33:CN ~31:202311278071.3 ~32:28/09/2023

2026/01732 ~ Complete ~54:A METHOD AND SYSTEM FOR FORMING SYNGAS ~71:JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: ABBOTT, Peter Edward James;HINTON, Graham Charles~ 33:GB ~31:2313695.5 ~32:08/09/2023;33:US ~31:63/600,044 ~32:17/11/2023;33:GB ~31:2403319.3 ~32:07/03/2024

2026/01736 ~ Complete ~54:HEAT-TRANSFER FLUIDS FOR INDIRECT LIQUID COOLING SYSTEMS ~71:PERSTORP AB, 284 80 Perstorp, Sweden ~72: AMIR FARZANEH~ 33:SE ~31:2330324-1 ~32:12/07/2023

2026/01702 ~ Provisional ~54:TEMPORARY EXTERNAL CONTAINMENT SYSTEM FOR HYGIENIC WASTE TRANSPORT ~71:Andre Claassen, 18 Whale Rock Verde, White Caps Way,, South Africa ~72: Andre Claassen~

2026/01712 ~ Complete ~54:METHOD FOR RECYCLING VALUABLE METALS FROM CATHODE MATERIALS OF WASTE LITHIUM BATTERIES ~71:Zhengzhou University, No. 100 Science Avenue, Zhongyuan District, Zhengzhou, Henan, 450001, People's Republic of China ~72: CUI, Caixia;JI, Mengfan;JIA, Qianlin;WANG, Xinchang~ 33:CN ~31:202511820899.6 ~32:04/12/2025

2026/01715 ~ Complete ~54:METHOD FOR PREPARING SILICON NANOTUBE BY MICROPLASMA-ASSISTED MOLTEN-SALT ELECTROCHEMISTRY ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 318, Liuhe Road, Xihu District, Hangzhou, Zhejiang, People's Republic of China ~72: CHEN Jirui;GONG Xingyu;LIU Wei;WANG Bin;WANG Fan;WANG Yuxin;YANG Zhenyu;ZHANG Hai~ 33:CN ~31:2026101256605 ~32:29/01/2026

2026/01721 ~ Complete ~54:DATA QUERY METHOD, APPARATUS, DEVICE AND MEDIUM ~71:COSCO SHIPPING TECHNOLOGY(BEIJING) CO., LTD, Room 15A, Block F, Fuhua Building, No. 8 Chaoyangmen North Street, Dongcheng District, People's Republic of China ~72: LI, Chunguang;LI, Hanjie;WANG, Yajie;ZHANG, Chen~ 33:CN ~31:2025116359722 ~32:10/11/2025

2026/01731 ~ Complete ~54:AROMATIC COMPOUND, PHARMACEUTICAL COMPOSITION CONTAINING SAME, AND USE THEREOF ~71:Increland, Room 702, Building 1, Liandong U Valley, (Fenghuang Road 269), Tianfu International Bio-town, Shuangliu District, CHENGDU 610000, SICHUAN, CHINA (P.R.C.), People's Republic of China ~72: LI, Ping;ZHANG, Dengyou;ZHANG, Yangxue;ZHOU, Ziyang~ 33:CN ~31:202310859092.8 ~32:13/07/2023

2026/01734 ~ Complete ~54:LINKER-DRUG MOLECULE AND ANTIBODY DRUG CONJUGATE, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:SHANGHAI ESCUGEN BIOTECHNOLOGY CO., LTD., 5th Floor, Building 19, 2777 East Jinxiu Road, Pudong New Area, People's Republic of China ~72: HE, Feng;HE, Zhuzi;NIAN, Weihong;WEI, Hongli;XU, Chuanying;YAN, Hongbin;ZENG, Di;ZHANG, Xinmin;ZHENG, Xintong;ZHOU, Qing~ 33:CN ~31:PCT/CN2023/106385 ~32:07/07/2023

2026/01735 ~ Complete ~54:METHOD FOR PRODUCING BIOFUEL AND METHOD FOR IMPROVING METHYL ESTERIFICATION EFFICIENCY OF TAMANU OIL ~71:J-OIL MILLS, INC., 8-1, Akashi-cho, Chuo-ku, Tokyo, 1040044, Japan ~72: HISASHI ARAI;KAZUKI IGARASHI;YUKI OKAMOTO~ 33:JP ~31:2023-119254 ~32:21/07/2023

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2026/01742 ~ Provisional ~54:SYSTEM AND METHOD FOR EXECUTION-GATED, CRYPTOGRAPHICALLY ENFORCED RUNTIME AUTHORITY GOVERNANCE IN AUTONOMOUS AGENT SYSTEMS USING ROLE-REVERSIBLE IDENTIFIERS, TOKEN-SCOPED DELEGATION, AND ZERO-KNOWLEDGE COMPLIANCE PROOFS ~71:Venture Labs (Pty) Ltd, 7 Sybille Rd, Melkbosstrand, South Africa ~72: Patrick Le Roux~

2026/01744 ~ Provisional ~54:SIGN2SENSE - NEX: A MULTIMODAL SENSORY COMMUNICATION AND SAFETY SYSTEM ~71:Sign2Talk NPC, Plot 644 Rietkuil, South Africa ~72: Samuel Fortuin~

2026/01745 ~ Provisional ~54:PLATFORM THERAPEUTIC SYSTEM FOR VIRAL SEQUESTRATION, VIRUS-RESPONSIVE ACTIVATION, AND MULTI-PHASE VIRAL CLEARANCE ~71:Mokonyane Industries (Pty) Ltd, 376 Anchovy Road Vaal Marina, South Africa ~72: Sarah Kedibone Maracha Mashabane~

2026/01747 ~ Provisional ~54:WATER FILTRATION DEVICE AND METHOD EMPLOYING SAME ~71:DURBAN UNIVERSITY OF TECHNOLOGY, Mansfield Road, Berea, Durban 4001, SOUTH AFRICA, South Africa ~72: MTHOMBENI , Nomcebo Happiness;NEMAVHOLA , Fulufhelo;TSHIKOSI, Netshedzo~

2026/01775 ~ Complete ~54:WIND-DRIVEN LOCUST PHYSICAL BARRIER AND COLLECTION DEVICE SUITABLE FOR GRASSLAND TERRAIN ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES, No. 22, Zhaojun Road, People's Republic of China ~72: BAO, Jian;CHANG, Hong;CHEN, Yang;DONG, Ruiwen;FU, Mingli;GAO, Bo;HAO, Jie;LI, Xingyue;LI, Xue;LIU, Sibo;LIU, Xinchao;Namuriga;SUN, Jiongqing;WANG, Xiang;WANG, Xinyou;WEN, Chao;XU, Jiayi;XU, Pengyi;YANG, Shanshan;YE, Ruhan;YIN, Guomei;ZHANG, Pujin;ZHANG, Zhengfu~ 33:CN ~31:2026101289736 ~32:30/01/2026

2026/01786 ~ Complete ~54:INTRAMEDULLARY NAIL FOR A LONG BONE ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy ~72: PRANZETTI, Antony;VICENZI, Federico;ZACCARIA, Andrea~ 33:EP ~31:23200614.8 ~32:28/09/2023

2026/01791 ~ Complete ~54:CONSTRUCTION METHOD FOR STEEL STRUCTURE INSTALLATION OF DEEP-WATER PORTS ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JIAYAN YANG~ 33:CN ~31:2025106502832 ~32:20/05/2025

2026/01749 ~ Provisional ~54:AUTOMATED ROOF-MOUNTED INFLATABLE VEHICLE PROTECTION SYSTEM WITH INTEGRATED POWER AND REMOTE ACTIVATION ~71:Raveshni Chetty, 06 Sarwan Place, South Africa ~72: Raveshni Chetty~

2026/01751 ~ Provisional ~54:RESEALABLE BEVERAGE CAN V10 ~71:Martin Hempel, Endeavour Farm, South Africa ~72: Martin Hempel~

2026/01760 ~ Complete ~54:GEOTECHNICAL STRENGTH TESTING DEVICE FOR CIVIL ENGINEERING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: REN Ping~

2026/01761 ~ Complete ~54:METHOD FOR MIXED CULTIVATION OF EUCALYPTUS AND FAST-GROWING ACACIA ~71:Guangxi University, No.100 Daxue East Road, Xixiangtang District, Nanning City, Guangxi Zhuang Autonomous Region, 530004, People's Republic of China;Guangxi Zhuang Autonomous Region State-owned Liuwan Forest Farm, No.6 Yuchai Road, Yuzhou District, Yulin City, Guangxi Zhuang Autonomous Region, 537005, People's Republic of China;Guangxi Zhuang Autonomous Region State-owned Qipo Forest Farm, No.26, Wuxu Section, Youyi Road, Jiangnan District, Nanning City, Guangxi Zhuang Autonomous Region, 530225, People's Republic of China ~72: FENG Cheng;FU Yunlin;HE Jiang;LUO Hualong;MA Peigang;MO Dongyi;WANG Linghui;WANG Yaoyi;WU Hai;XU Yuanyuan;YANG Mei;YAO Xianyu;YI Jiayong~

2026/01768 ~ Complete ~54:BASE PAIR FLUORESCENCE INTENSITY ANALYSIS METHOD BASED ON CNN MODEL AND EXPLAINABLE LEARNING ~71:Jiangnan University, No.1800, Lihu Avenue, Wuxi, Jiangsu 215000, People's Republic of China ~72: HAN, Mingxu;JIA, Luzi;LIU, Yang~ 33:CN ~31:202510926627.8 ~32:07/07/2025

2026/01779 ~ Complete ~54:JAFFLE PAN SUPPORT DEVICE ~71:FURNISS, Glen Richard, 10 Grootvaly Road, Strubenvale, South Africa;FURNISS, Yolandi, 10 Grootvaly Road, Strubenvale, South Africa ~72: FURNISS, Glen Richard;FURNISS, Yolandi~

2026/01787 ~ Complete ~54:BISPECIFIC ANTIBODY, DRUG CONJUGATE THEREOF, AND USE THEREOF ~71:DUALITY BIOLOGICS (SUZHOU) CO., LTD., Unit 301, Building 3, Zone B, Biomedical Industrial Park Phase 3, No. 99, Jingu Road, Suzhou Industrial Park Suzhou, Jiangsu 215000, People's Republic of China ~72: HAIQING HUA;JUNJIE YANG;YUNHUA ZHOU;ZHONGYUAN ZHU~ 33:CN ~31:202310895654.4 ~32:19/07/2023;33:CN ~31:202410244954.0 ~32:04/03/2024;33:CN ~31:202410914157.9 ~32:09/07/2024

2026/01792 ~ Complete ~54:TEMPERATURE-SWING ADSORPTION AND CAPTURE METHOD FOR CARBON DIOXIDE IN INDUSTRIAL WASTE GAS MEDIATED BY METAL-ORGANIC FRAMEWORKS ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JIAPENG SHI~ 33:CN ~31:2025112614712 ~32:04/09/2025

2026/01798 ~ Complete ~54:CRYSTALLINE FORMS OF A PI3K INHIBITOR AND USES OF SAME ~71:SCORPION THERAPEUTICS, INC., Lilly Corporate Center, 893 S. Delaware Street, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ALLTUCKER, Jacob Tyler;BRADLEY, William Daniel;BUCKBINDER, Leonard;CHAO, Mark P.;JACKSON, Erica;JONES, Andrew David;LADD, Brendon;ST. JEAN Jr., David;STUART, Darrin;TIEU, Trang Nguyet~ 33:US ~31:63/532,700 ~32:15/08/2023

2026/01753 ~ Provisional ~54:PATTERN ORBIT – STRAIN-BASED DISTRIBUTED COMPUTING SYSTEM WITH DETERMINISTIC EXECUTION CONTROL ~71:Third Vision AI Pty Ltd, 1 Breakwater Boulevard, South Africa ~72: Erwin Coleman;Jayden Rejji;Jayshree Mallaya~

2026/01758 ~ Complete ~54:ELASTIC PROTECTIVE MAT FOR VOLLEYBALL TRAINING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Honglin YANG;Hongmin WANG;Tongtong XING;Wei QIU;Wei YUE;Zhanping LI;Zhiyong WANG~

2026/01763 ~ Complete ~54:REAL-TIME TRANSMISSION AND ANALYSIS SYSTEM FOR VOLLEYBALL TRAINING DATA ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bei WANG;Dongxia CHEN;Jiaying LI;Mingzhe YANG;Tongtong XING;Wei QIU;Wei YUE~

2026/01773 ~ Complete ~54:INTELLIGENT FOOTBALL TRAINING SYSTEM BASED ON MULTIMODAL ANALYSIS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan

City, Henan Province, 467000, People's Republic of China ~72: Beibei FU;Quan XU;Siyu GUO;Xiaxiao TIAN;Yifei CHU~

2026/01780 ~ Complete ~54:A SMART BRACELET WITH BOTH HYPOGLYCEMIA PREDICTION AND EMERGENCY RESCUE FUNCTION ~71:Taizhou People's Hospital Affiliated to Nanjing Medical University, No. 366, Taihu Road, Pharmaceutical High tech Zone, Taizhou City, Jiangsu Province, 225300, People's Republic of China ~72: CAO Jingyuan;CHEN Qiuping;WANG Lichun;WU Yucheng;ZHANG Qingqing~

2026/01784 ~ Complete ~54:NOVEL LYOPHILIZED FORMULATION CONTAINING A-GALACTOSIDASE A FUSION PROTEIN ~71:GREEN CROSS CORPORATION, 107, IHYEON-RO 30BEON-GIL, GIHEUNG-GU, YONGIN-SI, GYEONGGI-DO, 16924, REP OF KOREA, Republic of Korea;HANMI PHARM. CO., LTD., 214, MUHA-RO, PALTAN-MYEON, HWASEONG-SI, GYEONGGI-DO 18536, REPUBLIC OF KOREA, Republic of Korea ~72: HONG, Sung Hee;JANG, Doo Seo;JI, Na Ri;KIM, Jin Young;KIM, Sang Yun;LEE, Hye Jin;SON, Jae Woon;SON, Jong Mun;YOO, Miri~ 33:KR ~31:10-2023-0122402 ~32:14/09/2023

2026/01754 ~ Provisional ~54:A SYSTEM FOR DETERMINISTIC PHASE COHERENCE IN LARGE-SCALE POWER GRIDS USING MEMORY-OPTIMIZED LATTICE STATE VECTORS. ~71:Thuli Vicy Manka, 379, South Africa ~72: Thuli Vicy Manka~

2026/01759 ~ Complete ~54:CLINICAL PHARMACY MEDICATION DISPENSING DEVICE ~71:ANHUI INSTITUTE OF MEDICINE, No.632, Furong Road, Hefei City, Anhui Province, People's Republic of China ~72: Yang Haoran~ 33:CN ~31:202610070702X ~32:20/01/2026

2026/01762 ~ Complete ~54:INTELLIGENT ADJUSTMENT SYSTEM FOR VOLLEYBALL NET POSTS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bei WANG;Dongxia CHEN;Tongtong XING;Wei QIU;Wei YUE;Weihua TAO;Yifei CHU~

2026/01774 ~ Complete ~54:DYNAMIC COMPENSATION METHOD, APPARATUS, DEVICE AND MEDIUM FOR SEMICONDUCTOR GAS SENSOR ~71:JINAN BENAN TECHNOLOGY DEVELOPMENT CO., LTD., No.169 Helin Road, High-tech Zone, Jinan, Shandong, 250200, People's Republic of China ~72: LI, Yanchen;QI, Yunjiang;YU, Lezhong~ 33:CN ~31:202510413481.7 ~32:03/04/2025

2026/01782 ~ Complete ~54:ADJUSTABLE METAL PIPE FITTING INNER WALL POLISHING DEVICE FOR MECHANICAL PROCESSING ~71:NANJING SANMU INTELLIGENT TECHNOLOGY CO., LTD., Room 302, Building 23, No.150 Pubin Road, Jiangbei New District, Nanjing, Jiangsu, 210000, People's Republic of China ~72: KANG, Tiankui;QIN, Chi;TANG, Haitao;WANG, Jing~ 33:CN ~31:202511195750.3 ~32:26/08/2025

2026/01794 ~ Complete ~54:ENVIRONMENT-FRIENDLY DREDGING METHOD FOR WHARF APRON ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JINGJUN LI~ 33:CN ~31:2025113910501 ~32:26/09/2025

2026/01797 ~ Complete ~54:IRREVERSIBLE 17BETA-HSD1 INHIBITORS ~71:UNIVERSITÉ LAVAL, 2325 rue de l'Université Quebec, QUÉBEC G1V 0A6, CANADA, Canada ~72: MALTAIS, René;POIRIER, Donald~ 33:US ~31:63/519,779 ~32:15/08/2023

2026/01802 ~ Complete ~54:A HOT ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Blandine OEHLER;Sujay SARKAR~ 33:IB ~31:PCT/IB2023/058308 ~32:21/08/2023

2026/01803 ~ Complete ~54:SYSTEM AND METHOD FOR AGENT-NATIVE COMPUTING ~71:Kernela (Pty) Limited, 1 Wedgewood Link Road, Bryanston, South Africa ~72: Msomi, Lungelo Terrance Siphiwo;Msomi, Madumetsa Zamindlela~

2026/01743 ~ Provisional ~54:SYSTEM AND METHOD FOR BIOMETRIC-KINETIC TRANSACTION AUTHORIZATION AND DISTRIBUTED VALUE TRANSFER VIA SIM-CHAIN LEDGER ~71:Aubrey Modise, 192 Dube Street, South Africa ~72: Aubrey Modise~

2026/01750 ~ Provisional ~54:SYSTEMS AND METHODS FOR GENERATING POLICY-VERSION-BOUND EVIDENCE PACKS THAT LINK INTERPRETATIVE WAGE RISK OUTPUTS TO CANONICAL WAGE ARTEFACTS WITH DETERMINISTIC REPLAY AND MISMATCH DIAGNOSTICS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01766 ~ Complete ~54:COMPREHENSIVE TEST BENCH FOR GEAR FATIGUE LIFE ~71:China Academy of machinery Zhengzhou Research Institute of Mechanical Engineering Co., Ltd., No.149 Kexue Avenue, High-tech Zone, Zhengzhou City, Henan Province, People's Republic of China ~72: CHEN Xincai;GUAN Rongxin;LI Kaiyang;LI Zhi;WANG Dongfei~

2026/01769 ~ Complete ~54:METHOD FOR PREDICTING PASSENGER FLOW AT EXPRESSWAY SERVICE AREAS BASED ON ARIMA-BP ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Mingming;JIAO Lichao;LIU Yuxin;MA Dong;WANG Liuxi;WANG Mingchuan;ZHANG Kunhao~

2026/01778 ~ Complete ~54:AIRFLOW GUIDING MECHANISM FOR COOKING CHAMBER OF ELECTRIC OVEN AND ELECTRIC OVEN ~71:Zhongshan Guanglong Gas & Electrical Appliances Co., Ltd, Building1,No.77 Huanzhou North Road, Tanzhou Town, Zhongshan, Guangdong, 528400, People's Republic of China ~72: LIANG, Guangrong;XU, Zhaoru~ 33:CN ~31:202520410663.4 ~32:11/03/2025

2026/01789 ~ Complete ~54:METHODS OF TREATING NAUSEA AND VOMITING DISORDERS USING ANTI-GFRAL ANTIBODIES ~71:NGM BIOPHARMACEUTICALS, INC., 333 Oyster Point Boulevard, South San Francisco, California, 94080, United States of America ~72: ALEXANDER M DEPAOLI;CARROLL E HENSCHEL;JER-YUAN HSU;URSULA B JEFFRY~ 33:US ~31:63/516,724 ~32:31/07/2023

2026/01795 ~ Complete ~54:ANTI-CTHRC1 T CELL ENGAGERS AND METHODS OF USING THE SAME ~71:PHENOMIC AI, C/o Phenomic AI, 2460 Winston Churchill Blvd., Suite 1005, Oakville, Ontario, L6H 6J5, Canada ~72: CHRISTOPHER HARVEY;MAX LONDON;MICHAEL BRISKIN;NIKOLAI SUSLOV~ 33:US ~31:63/526,444 ~32:12/07/2023

2026/01752 ~ Provisional ~54:RESEALABLE BEVERAGE CAN V10 ~71:Martin Hempel, Endeavour Farm, South Africa ~72: Martin Hempel~

2026/01767 ~ Complete ~54:A PREDICTIVE MODEL FOR CHARACTERIZING THE RELATIONSHIP BETWEEN MAGNETIC BARKHAUSEN NOISE SIGNATURES AND STRESS ~71:Nanjing University of Aeronautics and Astronautics, No. 29 Yudao Street, Qinhuai District, Nanjing City, Jiangsu Province, 210016, People's Republic of China;TANGSHAN UNIVERSITY, No. 9, Daxue West Road, Lubei District, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: Chen Xi;Di Jingyu;Shi Yu;Wang Ping~ 33:CN ~31:202511918826.0 ~32:18/12/2025

2026/01770 ~ Complete ~54:PORTABLE CONSTANT TEMPERATURE SEMEN TRANSPORT DEVICE ~71:Fuyang women and children hospital, No.2019 Huaihe Road, Yingzhou District, Fuyang City, Anhui Province, 236031, People's Republic of China ~72: HUANG Nan;SONG Xiaoqing~

2026/01776 ~ Complete ~54:AIR SAMPLING-BASED DEVICE FOR BROAD-SPECTRUM COLLECTION AND MONITORING OF EDNA FROM LOCUST HABITATS ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES, No. 22, Zhaojun Road, People's Republic of China ~72: BAO, Jian;CHEN, Yang;CHEN, Yanjie;DONG, Ruiwen;DU, Xufang;GAO, Bo;HAO, Jie;LI, Jianmei;LI, Xingyue;LIU, Sibo;LIU, Xinchao;LU, Ruiqi;NA, Risu;WANG, Xiang;WANG, Xinyou;WEN, Chao;YANG, Shanshan;YE, Ruhan;YIN, Guomei;ZHANG, Pujin;ZHANG, Zhengfu~ 33:CN ~31:2026101292086 ~32:30/01/2026

2026/01788 ~ Complete ~54:KIT COMPRISING A PYTHON AND A CONNECTOR FOR CONNECTING A BEVERAGE BARREL TO A BEVERAGE COOLER ~71:MICRO MATIC A/S, Holkebjergvej 48 5250 Odense SV, Denmark ~72: KLAUS WIEMER;MAGNÚS VILHJÁLMUR ÁRNASON~ 33:DK ~31:PA202370404 ~32:10/08/2023

2026/01793 ~ Complete ~54:INTELLIGENT REGULATION METHOD FOR DYNAMIC BALLAST WATER OF SEMI-SUBMERSIBLE FOUNDATION OF FLOATING WIND POWER ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: QINGYUN XU~ 33:CN ~31:2025113831586 ~32:25/09/2025

2026/01799 ~ Complete ~54:A COMPONENT FOR USE IN AN AEROSOL PROVISION SYSTEM, AN ARTICLE AND AN AEROSOL PROVISION SYSTEM ~71:BRITISH AMERICAN TOBACCO EXPORTS LIMITED, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: AHMAD ABBASI, Nadeem;HOOPER, Nicole;KUESTER, William;PALAT, Kenan~ 33:GB ~31:2311963.9 ~32:04/08/2023

2026/01755 ~ Complete ~54:SMART HEALTH MONITORING DEVICE FOR PUBLIC HEALTH IN ELDERLY COMMUNITIES ~71:JIANGSU COLLEGE OF NURSING, No. 9, Keji Avenue, People's Republic of China ~72: GE, Hong~

2026/01757 ~ Complete ~54:NOVEL ECONOMICAL AND ENVIRONMENTALLY FRIENDLY SPODUMENE BENEFICIATION METHOD ~71:China Nerin Engineering Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China ~72: DUAN Yilong;SHEN Louyan;WANG Jianguo;ZHOU Lijun~

2026/01765 ~ Complete ~54:PREFABRICATED CONCRETE SEISMIC DAMPING FRAME STRUCTURE ~71:Anhui Water Conservancy Technical College, No. 18 Dongmenhe Road, Hefei City, Anhui Province, 231603, People's Republic of China ~72: GUO Mengmeng;SHI Guangnan;TAO Wenbin;WANG Chunxiu;WANG Wenjing;ZHOU Zeyuan~

2026/01771 ~ Complete ~54:BPNN-BASED AIR CONDITIONING OPERATION ENERGY CONSUMPTION PREDICTION METHOD AND SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Mingming;DONG Xiaopei;DONG Yingying;JIAO Lichao;MA Dong;YAO Yujie~

2026/01781 ~ Complete ~54:A RESTRAINT DEVICE FOR NEUROLOGY NURSING ~71:Taizhou People's Hospital, No. 366, Taihu Road, Pharmaceutical High tech Zone, Taizhou City, Jiangsu Province, 225300, People's Republic of China ~72: WU Yuqin~

2026/01785 ~ Complete ~54:A COLD ROLLED MARTENSITIC STEEL AND A METHOD OF MARTENSITIC STEEL THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Dongwei FAN~

2026/01790 ~ Complete ~54:COIL SPRINGS, POCKETED COIL SPRINGS ASSEMBLIES, AND MATTRESSES INCLUDING THE SAME ~71:SEALY TECHNOLOGY, LLC, One Office Parkway, Trinity, North Carolina, 27370, United States of America ~72: BRIAN MANUSZAK;KEVIN TAR~ 33:US ~31:63/530,429 ~32:02/08/2023

2026/01796 ~ Complete ~54:SYSTEMS AND METHODS FOR AMMONIA PURIFICATION ~71:Bechtel Energy Technologies & Solutions, Inc., 2105 Citywest Blvd, HOUSTON 77042, TX, USA, United States of America ~72: KIMTANTAS, Charles;PETERS, Arlin;TAYLOR, Martin~

2026/01746 ~ Provisional ~54:SYSTEM FOR AND METHOD OF DETECTING AND MONITORING INVENTORY IN A PALLET FLOW RACKING ENVIRONMENT ~71:STAR TECH GROUP (PTY) LTD., 16 Union Street, VEREENIGING 1929, Gauteng, SOUTH AFRICA, South Africa ~72: KIDDLE, Andrew Anderson~

2026/01748 ~ Provisional ~54:A HANGING SUPPORT FOR A PORTABLE DEVICE ~71:SCHMAHL, George James, 53 Rooibos Road, Montana, South Africa ~72: SCHMAHL, George James~

2026/01756 ~ Complete ~54:METHOD AND SYSTEM FOR MANAGING CONSERVATION DATA OF ANCIENT AND FAMOUS TREES BASED ON MULTI-SOURCE DATA FUSION ~71:Jinling Institute of Technology, No. 99 Hongjing Avenue, Jiangning District, Nanjing City, Jiangsu Province, 211100, People's Republic of China ~72: LI Chanjun;LI Conghui;LIU Wei;TONG Dongya;WANG Miao~

2026/01764 ~ Complete ~54:HETEROGENEOUS PACKAGING SUBSTRATE WITH LOCALLY EMBEDDED GLASS CORE AND PREPARATION METHOD THEREOF ~71:Guilin University Of Electronic Technology, No. 1 Jinji Road, Guangxi Zhuang Autonomous Region, Guilin City, Qixing District, 541004, People's Republic of China;Guilin Yanchuang Semiconductor Technology Co., Ltd., Room 3205-3206, Building 3, Guilin University of Electronic Technology Science Park, Guangxi Zhuang Autonomous Region, Guilin City, Qixing District, 541000, People's Republic of China;Techshine Electronics Co., Ltd., No. 335, East Street, Lingbei Road, Tanwei Town, Guangxi Zhuang Autonomous Region, Qinzhou City, Lingshan County, 535000, People's Republic of China ~72: Daoguo YANG;Guolin LIN;Huazu WANG;Jian LI;Jianna ZHENG;Jianshu LU;Miao CAI;Yongpei DENG~

2026/01772 ~ Complete ~54:TEACHING ASSISTANCE TERMINAL FOR ENGLISH TEACHING ~71:WENZHOU MEDICAL UNIVERSITY, Wenzhou Medical University, University Town of Chashan, People's Republic of China ~72: HUANG, Manxi;LI, Yingying;LIN, Tiantian;LV, Ying;WANG, Li;XIA, Haiou;YI, Ying;ZHANG, Bingru;ZHANG, Yanle~

2026/01777 ~ Complete ~54:IMPREGNATION AND PRESSING DEVICE FOR ADDING AUXILIARY INGREDIENTS TO FERMENTATION MASHES FOR FERMENTED WINES AND METHOD FOR USING SAME ~71:Shandong Agricultural University, 61 Daizong Street, Tai'an City, Shandong Province, 271018, People's Republic of China;Shandong Yingwosi Biotechnology Co., Ltd., 100 meters south of the intersection of Wanxing Road and Yonghui Road, Xizhaike Village, Yangzhuang Town, Laiwu District, Jinan City, Shandong Province, 271100, People's Republic of China ~72: Bao Yuanqi;Hao Xinshu;Jin Yuhong;Li Chunyu;Zhang Zilong~ 33:CN ~31:2025109515603 ~32:10/07/2025

2026/01783 ~ Complete ~54:NOVEL PHENALKYLAMINES AND THEIR USE IN THE TREATMENT OF PSYCHIATRIC DISORDERS ~71:GILGAMESH PHARMACEUTICALS, INC., 113 University Place, Suite 1019, United States of America ~72: CUNNINGHAM, Michael John;KRUEGEL, Andrew Carry~ 33:US ~31:63/537,925 ~32:12/09/2023;33:US ~31:63/543,940 ~32:13/10/2023

2026/01800 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING A PKC INHIBITOR ~71:IDEAYA BIOSCIENCES, INC., 7000 Shoreline Court, Suite 350, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: KARABORNI, Sami;LINGHU, Xin~ 33:US ~31:63/520,857 ~32:21/08/2023

. - APPLIED ON 2026/02/12 -

2026/01814 ~ Complete ~54:AN IOT-BASED SOIL MOISTURE MONITORING AND AUTOMATIC IRRIGATION CONTROL SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER

INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: LONDHE, Aoudumber;MURDE, Vaibhav Vyankatrao;MUSALE, Ameya Abhay;NAGENDRA, Nayan Pruthiviraj;NAGPURE, Khushal Nandkishor;NAGRALE, Dhanshri Santosh;PISE, Ganesh Shivaji;VAIDYA, Nachiket Abhay~

2026/01819 ~ Complete ~54:COMBINATION THERAPY COMPRISING BTK INHIBITOR AND BELUMOSUDIL ~71:KADMON CORPORATION, LLC, 100 Morris St, Morristown, United States of America ~72: POYUROVSKY, Masha;TAITEL, Haya~ 33:US ~31:63/513,952 ~32:17/07/2023;33:EP ~31:23214297.6 ~32:05/12/2023

2026/01828 ~ Complete ~54:SLIDING SUPPORT ASSEMBLY FOR MOVEABLE POINT FROG SWITCHING ~71:VOESTALPINE RAILWAY SYSTEMS GMBH, Kerpelystrasse 199, LEOBEN 8700, AUSTRIA, Austria;VOESTALPINE RAILWAY SYSTEMS NORTRAK LLC, 30 N. Gould St., Ste. N, SHERIDAN 82801, WY, USA, United States of America ~72: DUFFNER, Brent Alan;GRAY, Eric Chandler;KARNES-ACEVES, Adam Patrick;SMITH, Bradley Gene~

2026/01833 ~ Complete ~54:ALL-IN-ONE NICKEL SMELTING METHOD FOR NICKEL OXIDE RECOVERY FROM RAW MATERIALS CONTAINING NICKEL ~71:KEMCO, 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea;KOREA ZINC CO., LTD., 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea ~72: HEON SIK CHOI;JE JOONG LEE~ 33:KR ~31:10-2023-0112131 ~32:25/08/2023;33:KR ~31:10-2024-0003684 ~32:09/01/2024

2026/01842 ~ Complete ~54:DIFFUSER ARRANGEMENT AND FLOTATION CELL ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: BOURKE, Peter;HÄMÄLÄINEN, Timo;RINNE, Antti;SCHMIDT, Steve;TIITINEN, Juha;TUOMINEN, Jere;VAARNA, Valtteri~ 33:FI ~31:20235820 ~32:13/07/2023

2026/01815 ~ Complete ~54:AN IOT-BASED MULTI-MODE TAMPER DETECTION SYSTEM FOR DIGITAL WEIGHING INSTRUMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Vishal Bhaskarrao;FULZELE, Sohan Anand;GAWANDE, Pravin Ganpatrao;MISHRA, Ralieka;PATIL, Milind Sahebrao;RAUT, Ketan Janraoji;SONAWANE, Ayush Shivaji~

2026/01817 ~ Complete ~54:AN IOT-POWERED PARKING SYSTEM WITH AUTONOMOUS VEHICLE SLOT NAVIGATION USING LIDAR ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, People's Republic of China ~72: DESHPANDE, Pallavi;GHULE, Gauri;KHIRADE, Om Dattatray;PATIL, Milind;PATIL, Sneha;RATNAPARAKHI, Archana;SANAP, Amruta;THAKKAR, Vrushti~

2026/01823 ~ Complete ~54:METHOD FOR TREATING ENDOMETRIOSIS ~71:FORAVISET LTD., C/O ADV. Jacob Marx, 8 King David Street, Israel ~72: BARKAN, Refael~ 33:US ~31:63/519,855 ~32:16/08/2023

2026/01829 ~ Complete ~54:SACRIFICIAL METAL BASED RADIOLYSIS MITIGATION DURING CHROMATOGRAPHIC SEPARATION OF RADIOISOTOPES ~71:SHINE TECHNOLOGIES, LLC, 3400 Innovation Court, JANESVILLE 53546, WI, USA, United States of America ~72: MOMEN, Abdul~ 33:US ~31:63/538,706 ~32:15/09/2023

2026/01836 ~ Complete ~54:METHOD FOR PRODUCING TITANIUM CHELATING AGENT AND TITANIUM CHELATING AGENT ~71:NIPPON CHEMICAL INDUSTRIAL CO., LTD., 9-11-1, Kameido, Koto-ku, Tokyo, 1368515, Japan ~72: SHINSUKE MIYABE;TAMOTSU SUZUKI~ 33:JP ~31:2023-116695 ~32:18/07/2023

2026/01805 ~ Provisional ~54:A SYSTEM FOR, AND METHOD OF, UNIFIED COMPUTATIONAL MODELLING ~71:CLOETE, Deon, 151 Rockhaven, 78 Augrabies Street, Mooikloof Ridge Estate, Mooikloof Ridge, South Africa ~72: CLOETE, Deon~

2026/01809 ~ Complete ~54:CIVIL ENGINEERING STEEL STRUCTURE SUPPORT STRUCTURE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: REN Ping~

2026/01827 ~ Complete ~54:INCREASING HAPLOID INDUCTION ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4059, SWITZERLAND, Switzerland;SYNGENTA CROP PROTECTION LLC, 9 Davis Drive, RTP 27709, NC, USA, United States of America ~72: BREITINGER, Becky;DELZER, Brent;EGGER, Rachel;PERUMAL, Azhaguvel~ 33:US ~31:63/584,322 ~32:21/09/2023

2026/01841 ~ Complete ~54:MICRO-GRID DISTRIBUTED ENERGY STORAGE SYSTEM AND BATTERY SOC BALANCE CONTROL METHOD THEREFOR ~71:WUXI DIVISION OF NO.703 RESEARCH INSTITUTE OF CSSC, 108 Qianhu Road, Binhu District, Wuxi, People's Republic of China ~72: CHEN, Guozhong;GU, Zhengwei;SUN, Peng;SUN, Xidong;WANG, Bolun~ 33:CN ~31:202410826863.8 ~32:25/06/2024

2026/01807 ~ Complete ~54:A PROCESS FOR EXTRACTING NICKEL FROM GASIFIER SLAG ~71:RELIANCE INDUSTRIES LIMITED, 3rd Floor, Maker Chamber-IV, 222, Nariman Point, India ~72: CHELLI, Venkatanarasimha Rao;DAGGUPATI, Sateesh;DAS, Asit;GIRACHH, Kalpesh;JHA, Ajay;MANDAL, Sukumar;PATEL, Sudhir;SANYAL, Nibedita~ 33:IN ~31:202521024649 ~32:19/03/2025

2026/01811 ~ Complete ~54:ONLINE ENGLISH TEACHING METHOD BASED ON SCENE CHANGES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIN Zhenzhen;JING Liya;ZHANG Xiangyu;ZHANG Yumeng~

2026/01826 ~ Complete ~54:METHODS FOR TREATING PROSTATE CANCER WITH BISPECIFIC ANTIBODIES BINDING STEAP1XCD3 ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America;AMGEN RESEARCH (MUNICH) GMBH, Staffelseestrasse 2, MUNICH 81477, GERMANY, Germany ~72: KISCHEL, Roman;KOUROS-MEHR, Hosein;STIEGLMAIER, Julia~ 33:US ~31:63/533,824 ~32:21/08/2023

2026/01820 ~ Complete ~54:SLURRY FEEDING ARRANGEMENT, FLOTATION UNIT, FLOTATION PLANT, AND METHOD ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: BOURKE, Peter;HÄMÄLÄINEN, Timo;RINNE, Antti;SCHMIDT, Steve;TUOMINEN, Jere;VAARNA, Valtteri~ 33:FI ~31:20235822 ~32:13/07/2023

2026/01835 ~ Complete ~54:PROCESS FOR PRODUCING HTL OILS WITH IMPROVED THERMAL STABILITY AND LOW INORGANIC CONTENT ~71:TOM CAPITAL MANAGEMENT INC., 999 8 St. SW #700, Calgary, Alberta, T2R 1J5, Canada ~72: JULIE KATERINE RODRIGUEZ GUERRERO;STEVEN GUST;VIOLETA CAROLINA WILLS LOPEZ~ 33:EP ~31:23185455.5 ~32:14/07/2023

2026/01813 ~ Complete ~54:RISK PREDICTION SYSTEM FOR DIAPHRAGMATIC DYSFUNCTION IN SEPSIS BASED ON INFLAMMATION AND NUTRITION RATIOS ~71:General Hospital of Ningxia Medical University, No. 804 Shengli Street, Xingqing District, Yinchuan, Ningxia, 750003, People's Republic of China ~72: Jinlan MA~

2026/01822 ~ Complete ~54:GUIDING ARRANGEMENT, FLOTATION CELL AND FLOTATION METHOD ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: BAYARMAGNAI, Enkhzul;DE AVILA CARVALHO, Marly;SHERRELL, Ian Michael~ 33:US ~31:18/352,385 ~32:14/07/2023

2026/01838 ~ Complete ~54:INTELLIGENT REGULATION AND CONTROL SYSTEM AND METHOD FOR ANTIFOULING ENCLOSURE CURTAIN IN MARINE CONSTRUCTION ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JINGXIAN HAO~ 33:CN ~31:2025114119349 ~32:29/09/2025

2026/01804 ~ Provisional ~54:BAG VISOR ~71:antony czeslaw falencikowski, 5 commisioner street, South Africa ~72: antony czeslaw falencikowski~

2026/01806 ~ Provisional ~54:MODULAR REMOVABLE BATTERY CASE FOR A MOBILE DEVICE ~71:Millicent Mapule Mdhluli, 40 Wheateater Street Rabie Ridge, South Africa ~72: Millicent Mapule Mdhluli~

2026/01825 ~ Complete ~54:SYSTEMS AND METHODS FOR SUB-DEWPOINT SULFUR RECOVERY ~71:Bechtel Energy Technologies & Solutions, Inc., 2105 CityWest Blvd, HOUSTON 77042, TX, USA, United States of America ~72: KIMTANTAS, Charles;TAYLOR, Martin~ 33:US ~31:63/579,323 ~32:29/08/2023

2026/01830 ~ Complete ~54:ALL-IN-ONE NICKEL SMELTING METHOD FOR NICKEL RECOVERY FROM RAW MATERIALS CONTAINING NICKEL ~71:KEMCO, 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea;KOREA ZINC CO., LTD., 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea ~72: HEON SIK CHOI;JE JOONG LEE~ 33:KR ~31:10-2023-0112131 ~32:25/08/2023;33:KR ~31:10-2023-0146807 ~32:30/10/2023

2026/01839 ~ Complete ~54:INHIBITORS OF CDK2/4/6 KINASE ~71:KHORA SPV 1, LLC, 501 Boylston Street, 10th Floor, Suite 10B-1472, Boston, United States of America ~72: COX, Jason M.;KANIA, Robert S.;TYHONAS, John~ 33:GB ~31:63/515,748 ~32:26/07/2023

2026/01909 ~ Complete ~54:FUEL SYSTEM OF EMERGENCY DIESEL POWER GENERATOR SET FOR NUCLEAR POWER STATION ~71:WUXI DIVISION OF NO.703 RESEARCH INSTITUTE OF CSSC, 108 Qianhu Road, Binhu District, Wuxi, People's Republic of China ~72: CHEN, Tiantian;HUA, Jun;JI, Ran;LV, Yulin;YU, Jiayao~ 33:CN ~31:202410460831.0 ~32:17/04/2024

2026/01810 ~ Complete ~54:AUTOMATIC BADMINTON SERVING DEVICE ~71:Zhaoqing University, No. 55, Zhaoqing Avenue, Duanzhou District, Zhaoqing City, Guangdong Province, People's Republic of China ~72: WANG Juan~ 33:CN ~31:2025105745095 ~32:06/05/2025

2026/01812 ~ Complete ~54:SURVEYING DEVICE AND METHOD OF MEASURING MOISTURE CONTENT IN SOIL ~71:SRK CONSULTING (SOUTH AFRICA) (PTY) LTD., 265 Oxford Road, Illovo, JOHANNESBURG, Gauteng, SOUTH AFRICA, South Africa ~72: MEYER, Christiaan Lodewyk~ 33:ZA ~31:2025/01837 ~32:28/02/2025

2026/01816 ~ Complete ~54:METHOD FOR INTONATION TRANSFER IN SPEECH TRANSLATION INTEGRATING SPEECH EMOTION RECOGNITION AND SYSTEM ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Juan PENG;Li LI;Yangbo WU;Ying LIN;Yingdi XI~

2026/01824 ~ Complete ~54:ON/OFF CURRENT DETECTION CIRCUIT FOR ELECTRIC TOOL ~71:SANMEN KANGCHUANG ELECTRONIC TECHNOLOGY CO., LTD, No. 3 Jinyuan Road, Sanmen County, Taizhou, Zhejiang 317100, People's Republic of China ~72: Chengyuan WANG~ 33:CN ~31:202310939683.6 ~32:28/07/2023

2026/01834 ~ Complete ~54:METHOD FOR PREPARING NICKEL SULFATE AQUEOUS SOLUTION FROM RAW MATERIAL CONTAINING NICKEL ~71:KEMCO, 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea;KOREA ZINC CO., LTD., 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea ~72: HEON SIK CHOI;JE JOONG LEE~ 33:KR ~31:10-2023-0112131 ~32:25/08/2023;33:KR ~31:10-2024-0080945 ~32:21/06/2024

2026/01821 ~ Complete ~54:STABLE GLP-1 ANALOGS FOR THE TREATMENT OF HUMAN DISEASE AND DISORDERS ~71:AMBIO, INC., 442 Park West Dr., Grovetown, United States of America ~72: BAI, Juncai;PENNINGTON, Michael;SINGH, Simrat;ZHANG, Fuliang;ZHANG, Guoqing~ 33:CN ~31:PCT/CN2023/117248 ~32:06/09/2023

2026/01831 ~ Complete ~54:ALL-IN-ONE NICKEL SMELTING METHOD FOR RECOVERING NICKEL HYDROXIDE FROM RAW MATERIALS CONTAINING NICKEL ~71:KEMCO, 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea;KOREA ZINC CO., LTD., 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea ~72: HEON SIK CHOI;JE JOONG LEE~ 33:KR ~31:10-2023-0112131 ~32:25/08/2023;33:KR ~31:10-2024-0003645 ~32:09/01/2024

2026/01837 ~ Complete ~54:MULTI-STAGE BUFFERING VARIABLE-STIFFNESS STINGER AND METHOD FOR SUPPRESSING VORTEX-INDUCED VIBRATION IN DEEPWATER PIPELINE LAYING ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: WEIMING HU~ 33:CN ~31:2025113971492 ~32:28/09/2025

2026/01808 ~ Complete ~54:DENTAL INSTRUMENT STORAGE AND DISINFECTION BOX ~71:The First Affiliated Hospital of Hainan Medical College, No. 31 Longhua Road, Longhua District, Haikou, People's Republic of China ~72: Hui Chen;Kezhen Yang;Miaomiao Zhang;Mingwang Cui;Shihui Zhao;Tao Wen;YuLei Dong;Zhengrou Wang;Zhuling Guo~

2026/01818 ~ Complete ~54:AN IOT-BASED WORKSTATION MONITORING SYSTEM FOR ENHANCING SAFETY AND PRODUCTIVITY IN INDUSTRIAL ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Pallavi;GHULE, Gauri;PATIL, Pragati Shidarayagouda;PATIL, Rajas Prashant;RATNAPARAKHI, Archana;WALE, Aryan Ranjit;ZOD, Sumeet Prakash~

2026/01832 ~ Complete ~54:ALL-IN-ONE NICKEL SMELTING METHOD FOR RECOVERING NICKEL METAL FROM RAW MATERIALS CONTAINING NICKEL ~71:KEMCO, 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea;KOREA ZINC CO., LTD., 33 Jong-ro, Jongno-gu, Seoul, 03159, Republic of Korea ~72: HEON SIK CHOI;JE JOONG LEE~ 33:KR ~31:10-2023-0112131 ~32:25/08/2023;33:KR ~31:10-2024-0003647 ~32:09/01/2024

2026/01840 ~ Complete ~54:DETERMINING AN ESTIMATED LOCATION OF A SOURCE OF INTERFERENCE ~71:VODAFONE GROUP SERVICES LIMITED, Vodafone House, The Connection, United Kingdom ~72: ABU-GABAL, Muhammad~ 33:GB ~31:2311883.9 ~32:02/08/2023

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2026/01844 ~ Provisional ~54:RECOVERY OF RARE EARTH ELEMENTS FROM ACID MINE DRAINAGE ~71:UNIVERSITY OF SOUTH AFRICA, PRELLERSTREET, MUCKLENEUK, PRETORIA 0002, South Africa ~72: FOSSO-KANKEU, Elvis;MAMBA, Bhekie;MAREE, Jannie;MASINDI, Vhahangwele~

2026/01846 ~ Provisional ~54:SOVEREIGN TRINITY INFRASTRUCTURE (STI) ~71:Ernest Sanele Zungu, 46 Rushbrook Road, South Africa ~72: Ernest Sanele Zungu~

2026/01859 ~ Complete ~54:GASIFIED FLUID SUPPLY ARRANGEMENT AND FLOTATION CELL ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: DE AVILA CARVALHO, Marly;EMER, Cagri;TOLLANDER, Erik~ 33:FI ~31:20235824 ~32:14/07/2023;33:FI ~31:20245530 ~32:29/04/2024

2026/01870 ~ Complete ~54:FORMULATIONS OF OPIOID GROWTH FACTOR RECEPTOR ANTAGONIST AND METHODS OF TREATMENT ~71:ZETAGEN THERAPEUTICS, INC., 841 E. Fayette St., Ste. 100, Syracuse, New York, 13210, United States of America ~72: BRYAN S MARGULIES~ 33:US ~31:18/366,439 ~32:07/08/2023

2026/01872 ~ Complete ~54:TREATMENT OF CANCER WITH A CDK INHIBITOR ~71:KHORA SPV 1, LLC, 501 Boylston Street, 10th Floor, Suite 10B-1472, United States of America ~72: COX, Jason M.;GRANDINETTI, Kathryn B.;KANIA, Robert S.;KOUDRIAKOVA, Tatiana;MILLER, Nichol L.G.;POWELL, Benjamin;SURIBEN, Rowena;TYHONAS, John;WILLIAMS, Richard Thomas;WOMBLE, Scott;YUAN, Ding~ 33:US ~31:63/515,752 ~32:26/07/2023;33:US ~31:63/554,735 ~32:16/02/2024

2026/01845 ~ Provisional ~54:MODULAR AUTOMATED MULTI-DIRECTIONAL MECHANICAL VEHICLE SHELTER SYSTEM ~71:Raveshni Chetty, 06 Sarwan Place, South Africa ~72: Raveshni Chetty~

2026/01851 ~ Complete ~54:CONSTRUCTION AID ~71:BOTHA, Cornelius Johannes, 57 Main Road, South Africa ~72: BOTHA, Cornelius Johannes~

2026/01876 ~ Complete ~54:MINING TOOL WITH ASYMMETRIC CUTTING INSERT ~71:Sandvik Mining and Construction Tools AB, Valsverksstråket 14, SANDVIKEN 811 34, SWEDEN, Sweden ~72: HAMMARGREN, John~ 33:EP ~31:23199403.9 ~32:25/09/2023

2026/01852 ~ Complete ~54:AN AI-BASED POWER THEFT DETECTION AND ANOMALY MONITORING SYSTEM USING ESP32 AND MACHINE LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Vishal Bhaskarrao;DESHMUKH, Minal Samir;GAWANDE, Pravin Ganpatrao;JADHAV, Bhumi Hemant;PATIL, Shreyash Ravindra;RAUT, Ketan Janraoji~

2026/01860 ~ Complete ~54:A POSITIONING CLAMPING DEVICE FOR GEARBOX HOUSING MACHINING ~71:Ningbo Longch Mould Manufacturing Co., Ltd, No. 159, Hengshan Street, Daikui Subdistrict, Beilun District, People's Republic of China;Ningbo Polytechnic University, No. 388, Lushan East Road, People's Republic of China ~72: Cheng Wen;Gao Jian~

2026/01869 ~ Complete ~54:CONTROLLED RELEASE FORMULATION AND MINIMALLY INVASIVE METHOD OF ADMINISTRATION ~71:ZETAGEN THERAPEUTICS, INC., 841 E. Fayette St., Ste. 100, Syracuse, New York, 13210, United States of America ~72: BRYAN S MARGULIES~ 33:US ~31:18/366,414 ~32:07/08/2023

2026/01875 ~ Complete ~54:ISOMERICALLY PURE BETA-CYCLODEXTRIN DERIVATIVES AND USES THEREOF ~71:Beren Therapeutics P.B.C., 9200 Sunset Blvd., Suite 1010, WEST HOLLYWOOD 90069, CA, USA, United States of America ~72: HERBERICH, Brad;MCMINN, Dustin~ 33:US ~31:63/519,905 ~32:16/08/2023

2026/01849 ~ Complete ~54:A HOIST ASSEMBLY WITH A MANUAL OVERRIDE SYSTEM ~71:REBELLO, Glenton William, 708 Old Pretoria Main Road, Wynberg, SANDTON 2090, SOUTH AFRICA, South Africa ~72: REBELLO, Glenton William;WILLOUGHBY, Ryan~ 33:ZA ~31:2025/01374 ~32:14/02/2025

2026/01853 ~ Complete ~54:AN ADAPTIVE MULTI-MODAL BIOMETRIC HEALTH MONITORING SYSTEM WITH PREDICTIVE DEGRADATION DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Vishal Bhaskarrao;BHAGAT, Pratiksha Vidyanand;CHAUDHARI, Ishwari Ravindra;GAWANDE, Pravin Ganpatrao;KARYAPPA, Gouri Shivgonda;PATIL, Milind Sahebrao;RAUT, Ketan Janraoji~

2026/01855 ~ Complete ~54:A MULTI-MODAL TAMPERING DETECTION SYSTEM FOR SMART ENERGY METERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AHMAD, Shaoor;AMBHORE, Vishal Bhaskarrao;DESHMUKH, Minal Samir;DESHPANDE, Amogh Narendra;GAWANDE, Pravin Ganpatrao;LADDHA, Mansi Mukesh;RAUT, Ketan Janraoji~

2026/01862 ~ Complete ~54:A FLOATING PLANT FOR GENERATING HEAT AND/OR COOLING ~71:KRÁĽ, Štefan, Janáčkovo nábřeží 478/39, Czech Republic ~72: KRÁĽ, Štefan~ 33:EP ~31:23186560.1 ~32:19/07/2023

2026/01867 ~ Complete ~54:SCREEN WITH SWITCHABLE LIGHT FILTER ~71:SIOPTICA GMBH, Moritz-von-Rohr-Str. 1a, 07745, Jena, Germany ~72: ANDRÉ HEBER;MARKUS KLIPPSTEIN~ 33:DE ~31:10 2023 120 005.4 ~32:27/07/2023

2026/01871 ~ Complete ~54:RESEALABLE CLOSURE FOR A CONTAINER ~71:YETI COOLERS, LLC, 7601 Southwest Parkway, Austin, Texas, 78735, United States of America ~72: ANDY BONDHUS;FUZHEN LAI;ISABELLE COCHRAN;JOHN WARREN DOW;MARK D MILLER;QUAN XIAO;WILLIAM DRINKWATER;XI HUANG~

2026/01854 ~ Complete ~54:A LOW-COST MULTI-SENSOR DIGITAL TWIN SYSTEM FOR REAL-TIME CONDITION MONITORING IN IIOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Vishal Bhaskarrao;GAWANDE, Pravin Ganpatrao;KERZARKAR, Raman Rajiv;KULKARNI, Manish Satish;PATIL, Bhavesh Dhanraj;PATIL, Milind Sahebrao;RAUT, Ketan Janraoji~

2026/01857 ~ Complete ~54:NICKEL-BASED CRYOGENIC STEEL WITH HIGH CRACK-ARREST PROPERTY IN -165°C LOW-TEMPERATURE ENVIRONMENT AND MANUFACTURING METHOD FOR THE SAME ~71:SHANXI TAIGANG STAINLESS STEEL CO., LTD., No. 2, Jiancaoping Street, Jiancaoping District, Taiyuan, Shanxi, 030003, People's Republic of China ~72: CUI, Shoulong;GAO, Jiachun;MA, Youguang;MENG, Chuanfeng;WANG, Caihuan;WANG, Gang;WANG, Yutian;ZHAO, Jianwei~ 33:CN ~31:202511262173.5 ~32:05/09/2025

2026/01865 ~ Complete ~54:ACTIVATABLE ROR BINDING AGENTS AND USES THEREOF ~71:EXELIXIS, INC., 1851 Harbor Bay Parkway, Alameda, California, 94502, United States of America ~72: FANGYONG DU;JEFFREY N HIGAKI;JIANGCHUN XU;KATHLEEN GOGAS;PETER PEIZHI LUO;SEEMA KANTAK;YAN LI~ 33:US ~31:63/514,782 ~32:20/07/2023

2026/01874 ~ Complete ~54:METHOD AND APPARATUS FOR TURBINE BLADE PROTECTION ~71:Edge Solutions Limited, 246 Causewayside, EDINBURGH EH9 1UU, SCOTLAND, UNITED KINGDOM, United Kingdom ~72: FORBES, Brian Alexander;URCH, David Michael~ 33:GB ~31:2312751.7 ~32:21/08/2023

2026/01880 ~ Complete ~54:OLIGONUCLEOTIDES FOR MODULATING KCNT1 EXPRESSION ~71:LES LABORATOIRES SERVIER, 35 rue de Verdun, SURESNES CEDEX 92284, FRANCE, France ~72: CHANRION, Benjamin;DAS DORES, Guillaume;TRAN, Hélène~ 33:EP ~31:23306381.7 ~32:16/08/2023

2026/01847 ~ Provisional ~54:WALLET-GATED INMATE TELEPHONY MANAGEMENT AND SECURE COMMUNICATION CONTROL SYSTEM ~71:TIYEKA MEDIA (PTY) LTD., 1 Westerford Avenue, BRYANSTON, Johannesburg 2191, GP, SOUTH AFRICA, South Africa ~72: BAVUMA, Desmond;MOTINGOE, Katleho;NGWEVELA, Mbulelo~

2026/01882 ~ Complete ~54:METHOD OF NOTIFYING THE OCCURRENCE OF A TRANSACTION ~71:EMMANUEL MOKUTU, 1046 MOEFI STREET, MAPETLA, South Africa ~72: EMMANUEL MOKUTU~ 33:ZA ~31:2023/07079 ~32:14/07/2023;33:WO ~31:PCT/IB2024/056838 ~32:14/07/2024

2026/01856 ~ Complete ~54:DOUBLE-STRANDED RIBONUCLEIC ACID TARGETING PD-L1 ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No.369 Yuzhou South Rd, Lianyungang City, People's Republic of China ~72: GE, Xingfeng;XU, Hongjiang;XU, Yaqiong;YANG, Ling;ZHENG, Jiajia~ 33:CN ~31:202310982666.0 ~32:04/08/2023;33:CN ~31:202311654515.9 ~32:04/12/2023;33:CN ~31:202410114631.X ~32:26/01/2024

2026/01858 ~ Complete ~54:GASIFIED FLUID SUPPLY ARRANGEMENT AND FLOTATION CELL ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: DE AVILA CARVALHO, Marly;JUVONEN, Toni;TOLLANDER, Erik~ 33:FI ~31:20235824 ~32:14/07/2023

2026/01861 ~ Complete ~54:TRANSGENIC CORN EVENT QY2569-42 AND DETECTION METHOD THEREOF ~71:QINGDAO KINGAGROOT SEED SCIENCE CO., LTD., No.53, Qinglonghe Road, Huangdao District, Qingdao, People's Republic of China ~72: CHEN, Bo;DING, Dehui;LI, Huarong;LIAN, Lei;WU, Yongchun~ 33:CN ~31:202311093966.X ~32:28/08/2023

2026/01866 ~ Complete ~54:SLEEVE FOR MOUNTING ON ROTATING SHAFT OF COMMERCIAL PRINTING MACHINERY ~71:ROSSINI S.P.A., Via De Gasperi 5 20027 Rescaldina, Milan, Italy ~72: DANIELE VANERIO;FELICE ROSSINI;GIOVANNI AVALLONE;JAUME PREGONAS;MARCO CACCIA;XAVIER BOADAS MATAMALA~ 33:US ~31:18/471,471 ~32:21/09/2023

2026/01843 ~ Provisional ~54:DAILYSYNC-VORTEX-01 ~71:Charmain Ferreira, 44B Newton street, South Africa ~72: Charmain Ferreira~

2026/01963 ~ Provisional ~54:SMART DIGITAL PLATFORM (APP) FOR TOKENLESS ELECTRICITY TOP-UPS ~71:Yvette Christaline Philander, 16 Mathew Street, Sarepta, Kuilsriver, South Africa ~72: Yvette Christaline Philander~

2026/01863 ~ Complete ~54:ANTI-PD-1/CTLA-4/VEGF ANTIBODIES AND USE THEREOF ~71:EDDINGPHARM (HONG KONG) COMPANY LIMITED, Suites 3306, 33F, Tower 6, The Gateway, Harbour City, Kowloon, People's Republic of China;GENOR BIOPHARMA CO., LTD., Room 501-02, Bldg. 6, No. 690 Bibo Road, China (Shanghai) Pilot Free Trade Zone Pudong New Area, People's Republic of China ~72: CAO, Huanhuan;DING, Qian;DU, Qinglin;HAN, Shuhua;LV, Yaxuan;PENG, Fei;QIAN, Zhen;TAN, Yongcong;XU, Juehua;YANG, Xueyan~ 33:CN ~31:PCT/CN2023/107464 ~32:14/07/2023

2026/01864 ~ Complete ~54:ACTIVATABLE TYROSINE-PROTEIN KINASE MEMBRANE RECEPTOR (ROR) ANTIBODY-DRUG CONJUGATES AND USES THEREOF ~71:EXELIXIS, INC., 1851 Harbor Bay Parkway, Alameda, California, 94502, United States of America ~72: BRIAN ALAN MENDELSOHN;DHARMARAJ SAMUEL;KATHLEEN GOGAS;MAXINE BAUZON;SEEMA KANTAK~ 33:US ~31:63/514,783 ~32:20/07/2023

2026/01884 ~ Provisional ~54:SJM AI: PROJECT AND TUTOR ASSISTANT ~71:Steven-Jon Marais, 15 Silwer Street,, South Africa ~72: Steven-Jon Marais~

2026/01868 ~ Complete ~54:LOAD SUPPORT UNIT ~71:MESO SCALE TECHNOLOGIES, LLC., 1601 Research Boulevard, Rockville, Maryland, 20850, United States of America ~72: AARON H LEIMKUEHLER;GARY KRIVOY;MANISH KOCHAR~ 33:US ~31:63/517,758 ~32:04/08/2023

2026/01873 ~ Complete ~54:PERSONAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: GOSWAMI, Sayantani;LESNIAK, Ewelina;LI, Ningwei~ 33:US ~31:63/520,962 ~32:22/08/2023

2026/01877 ~ Complete ~54:PERSONAL INFORMATION PROVIDING SYSTEM, PROGRAM, RECORDING MEDIUM, AND PERSONAL INFORMATION PROVIDING METHOD ~71:VARIETY M-1 INC., 4-18-5F, Kaigandoori, Naka-ku, YOKOHAMA-SHI 2310002, KANAGAWA, JAPAN, Japan ~72: MITAKE, Toshiaki~ 33:JP ~31:2023-196632 ~32:20/11/2023

2026/01883 ~ Complete ~54:METHOD AND COMPOSITION FOR TREATING DISEASES ~71:BRL MEDICINE (SHANGHAI) CO., LTD., Floor 3, Building 1, No. 400, Fangchun Road, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: DU, Bing;LIU, Mingyao;TAN, Binghe~ 33:CN ~31:PCT/CN2023/109440 ~32:26/07/2023

2026/01881 ~ Complete ~54:FORMULATIONS COMPRISING A COMBINATION OF ACID-NEUTRALIZING POLYMERIC AND NON-POLYMERIC SUBSTANCES FOR ORAL ADMINISTRATION OF ACTIVE AGENTS ~71:ENTERA BIO LTD., Jerusalem Bio Park, Hadassah Ein-Kerem, Israel ~72: BURSHTEIN, Gregory;GALITZER, Hillel;ITIN, Constantin~ 33:US ~31:63/535,495 ~32:30/08/2023

2026/01848 ~ Complete ~54:MEDICINE DISPENSING AND GRINDING DEVICE ~71:ANHUI INSTITUTE OF MEDICINE, No. 632 Furong Road, Hefei City, Anhui Province, 230000, People's Republic of China ~72: CAO Yuzhu;YANG Haoran~ 33:CN ~31:202610083576.1 ~32:22/01/2026

2026/01850 ~ Complete ~54:A GENERATOR ~71:JUNIOR CHIMBOMA NKOSI, 283 Block F4, New Eesterus, Hammanskraal, 429, South Africa ~72: JUNIOR CHIMBOMA NKOSI~ 33:ZA ~31:2024/08682 ~32:14/11/2024

2026/01878 ~ Complete ~54:DRUG CONJUGATES AND METHODS OF PREPARING AND USING THE SAME ~71:ADCENTRX THERAPEUTICS INC., 5580 Morehouse Drive, Suite 210, SAN DIEGO 92121, CA, USA, United States of America;ADCENTRX THERAPEUTICS SHANGHAI CO. LTD., 1st Floor, Building 2, No. 865, Zuchongzhi Road, Pudong New Area, SHANGHAI 201203, CHINA (P.R.C.), People's Republic of China ~72: GUO, Maojun;HAO, Hui;LEE, Dong Jun;LI, Richard Hui;LUO, Wenlong~ 33:IB ~31:2023/110989 ~32:03/08/2023

2026/01879 ~ Complete ~54:METHODS OF TREATING BLOOD DISORDERS WITH VWF-TARGETED MONOSPECIFIC ANTIBODIES ~71:HEMAB APS, Nordre Fasanvej 215, FREDERIKSBERG 2000, DENMARK, Denmark ~72: FABER, Johan H.;GANDHI, Prafull S.;HÄGER, Mattias;REA, Catherine;SØRENSEN, Benny;ØSTERGAARD, Henrik~ 33:US ~31:63/519,955 ~32:16/08/2023

. - APPLIED ON 2026/02/16 -

2026/01888 ~ Provisional ~54:GEOVENTORY FMD BIOSECURITY INTELLIGENCE LAYER ~71:Karabo Ramasilo, 1 End Street, South Africa ~72: Karabo Ramasilo~

2026/01889 ~ Provisional ~54:HYBRID ELECTRIC-ASSISTED ADAPTIVE CYCLE TURBOFAN ENGINE WITH AI-CONTROLLED MULTI-MODE OPERATION ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01890 ~ Provisional ~54:HYBRID AUTOMOTIVE POWERTRAIN SYSTEM WITH MULTI-SEGMENT FLYWHEEL INTEGRATION, TORQUE VECTORING, AND MODE-DEPENDENT PERFORMANCE ACTIVATION ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01904 ~ Complete ~54:AN RFID AND RASPBERRY PI PICO BASED TROLLEY FOR AUTOMATED BILLING AND FOOD NUTRITION DISPLAY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAWANDE, Pravin Ganpatrao;GHULE, Gauri Vaijukumar;GULBHELE, Gayatri Sunil;KULKARNI, Shailesh Vasudeorao;PATIL, Sneha Snadeep;SANAP, Amruta Sharad;TRIGUNEE, Himanshu Mahendrakumarm~

2026/01906 ~ Complete ~54:AN IOT-BASED EMS WORKSTATION SAFETY AND PRODUCTIVITY MONITORING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAWANDE, Pravin Ganpatrao;HABBU, Shraddha Kiran;KULKARNI, Shailesh Vasudeorao;PATIL, Pragati Shidarayagouda;PATIL, Rajas Prashant;WALE, Aryan Ranjit;ZOD, Sumeet Prakash~

2026/01908 ~ Complete ~54:A FAULT DETECTION AND AUTOMATIC ISOLATION SYSTEM FOR LT POWER LINES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVHAN, Sameer;CHINCHOLKAR, Manasvi Ashok;GAWANDE, Pravin Ganpatrao;HABBU, Shraddha Kiran;KULKARNI, Shailesh Vasudeorao;MHASKE, Mayur~

2026/01922 ~ Complete ~54:METHOD FOR DETERMINING AN OPTIMIZED SILICON CONTENT IN LIQUID STEEL ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Benjamin RIVAUX;Céline MUSIK;Evangeline AHTOY;Tannaz JAVADI-DOODRAN~ 33:IB ~31:PCT/IB2023/059061 ~32:13/09/2023

2026/01896 ~ Provisional ~54:AI-CONNECT: NETWORK-LAYER SYSTEM AND METHOD FOR AI TRAFFIC DETECTION, POLICY ENFORCEMENT, AND FINANCIAL SETTLEMENT ACROSS HETEROGENEOUS NETWORKS ~71:David Kelvin, Behind Saint Patriot School, Rumuokwurusi, Pipeline, Port Harcourt, Rivers State, 500101, Nigeria ~72: David Kelvin~

2026/01886 ~ Provisional ~54:EMBRYO OF THE PHI-OPTIC AI ~71:Hector Mandla Kekana, 866 5th and 7th Avenue, Zone 1, South Africa ~72: Hector Mandla Kekana~ 33:ZA ~31:None ~32:13/02/2026

2026/01902 ~ Complete ~54:AN EXPLOSIVES PUMP ~71:IPTREE TRUST (TRUST NUMBER 503/2009), 5 Libertas Road, Somerset Office Park, Bullseye Building, Bryanston, South Africa ~72: BÜHRMANN, Rudolph;BÜHRMANN, Rudolph Teodor~

2026/01911 ~ Complete ~54:TOPICAL COMPOSITION FOR TREATMENT OF DIABETIC'S DRY SKIN AND ITCHING ~71:BAPAT, Dr. Pranjal Amey, III-1-5 Address 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India;SONAWANE, Avishkar Prakash, 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India;SONAWANE, Prakash Sadashiv, 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India ~72: BAPAT, Dr. Pranjal Amey;SONAWANE, Avishkar Prakash;SONAWANE, Prakash Sadashiv~ 33:IN ~31:202521015978 ~32:24/02/2025

2026/01914 ~ Complete ~54:FILTER ASSEMBLY AND FILTER COMPONENT HAVING DETENT CLIPS AND POSTS FOR CLICK-LOCK ENGAGEMENT ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: IMMEL, Jon T.;OEDEWALDT, Stephen E.~ 33:US ~31:18/234,970 ~32:17/08/2023

2026/01912 ~ Complete ~54:TOPICAL COMPOSITION MOISTURISER FOR RELIEF OF DRY SKIN & ITCHING SYMPTOMS ASSOCIATED WITH PSORIASIS ~71:BAPAT, Dr. Pranjal Amey, III-1-5 Address 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India;SONAWANE, Avishkar Prakash, 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India;SONAWANE, Prakash Sadashiv, 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road,

Manpada, Thane (West), India ~72: BAPAT, Dr. Pranjal Amey;SONAWANE, Avishkar Prakash;SONAWANE, Prakash Sadashiv~ 33:IN ~31:202521044448 ~32:07/05/2025

2026/01916 ~ Complete ~54:WOUND TREATMENT SYSTEMS, DEVICES, AND METHODS ~71:T.J.SMITH AND NEPHEW, LIMITED, PO Box 81, 101 Hessle Road, HULL HU3 2BN, UNITED KINGDOM, United Kingdom ~72: CASSIDY, Ciara;HABEEB, Nomah;HARTWELL, Edward Yerbury;PARRY, Luke Michael;SCHOFIELD, Simon~ 33:GB ~31:2313507.2 ~32:05/09/2023;33:GB ~31:2313509.8 ~32:05/09/2023

2026/01920 ~ Complete ~54:A METHOD FOR HOT ROLLING A STEEL PRODUCT ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Céline MUSIK;Evangeline AHTOY~ 33:IB ~31:PCT/IB2023/059063 ~32:13/09/2023

2026/01926 ~ Complete ~54:ENGINEERED IGA ANTIBODIES AND METHODS OF USE ~71:TIGATX, INC., 53 State Street, Suite 500, Boston, Massachusetts, 02109, United States of America ~72: ELINA MAKINO;GEERT VAN TETERING;HOWARD STERN~ 33:US ~31:63/516,428 ~32:28/07/2023

2026/01928 ~ Provisional ~54:HYBRID BIO-SILICON COMPUTING ARCHITECTURE WITH INTEGRATED CLOSED-LOOP METABOLIC SUPPORT ~71:Andre Oberholzer, 29 Eybers, South Africa ~72: Andre Oberholzer~

2026/01927 ~ Complete ~54:MULTI-SPECIFIC ANTIBODIES INTEGRATING DUAL IMMUNE MODULATING MOIETIES AND USES THEREOF IN IMMUNOTHERAPY ~71:LYVGEN BIOPHARMA HOLDINGS LIMITED, P.O. Box 31119, Grand Cayman, KY11-1205, Cayman Islands ~72: JIEYI WANG;YI WU~ 33:CN ~31:PCT/CN2023/109322 ~32:26/07/2023

2026/01898 ~ Complete ~54:SYSTEMS AND METHODS FOR ANALYSING ORGANISATIONAL DATA ~71:GREEN HYDROGEN SOLUTIONS (PTY) LTD, Spaces - 9th Floor, Atrium on 5th Building, 5th Street, South Africa ~72: TAKOLIA, Ebrahim~

2026/01900 ~ Complete ~54:FLOW CONDITIONER ~71:UPP PUMP (PTY) LTD, The Station, 23 North Point, South Africa ~72: BEAUCHAMP, Siobhan~

2026/01915 ~ Complete ~54:METHOD OF PRODUCING LIQUID HYDROCARBONS FROM A SYNGAS ~71:JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: ALLAN, Stuart William;COE, Andrew James;JIANG, Cuijie;NIJEMEISLAND, Michiel~ 33:GB ~31:2313470.3 ~32:04/09/2023

2026/01885 ~ Provisional ~54:SOLAR POWERED SPRAYER ~71:Mlekeleli, Bergville 462, South Africa ~72: Mlekeleli zondo~

2026/01892 ~ Provisional ~54:SYSTEMS AND METHODS FOR DETERMINING PORTFOLIO-LEVEL INTERPRETATIVE WAGE RISK EXPOSURE USING WAGE-HEADROOM RATIOS, COMPLIANCE-STRESS MULTIPLIERS, INTERPRETATION-LOAD PROXIES, AND GOVERNED WAGE ARTEFACT LINEAGE ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2026/01895 ~ Provisional ~54:WALL AND FLOOR DUAL ACTION POOL BRUSH ~71:BAREND BERNARDUS RUDOLPH KRUGER, 39 REGIA STREET, South Africa ~72: BAREND BERNARDUS RUDOLPH KRUGER~

2026/01901 ~ Complete ~54:PRESSURE-REGULATING HYDRODYNAMIC PUMP AND WAVE ENGINE ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macacam Avenue, Portland, Oregon, 97239, United States of America ~72: ALEXANDER DAVID CHALLY;BRIAN LEE MOFFAT;DANIEL WILLIAM

PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:63/351,827 ~32:14/06/2022;33:US ~31:63/401,575 ~32:27/08/2022;33:US ~31:18/208,875 ~32:12/06/2023

2026/01905 ~ Complete ~54:A FACE RECOGNITION-BASED SMART HOME AUTOMATION SYSTEM USING RASPBERRY PI ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAWANDE, Pravin Ganpatrao;HABBU, Shraddha Kiran;KULKARNI, Shailesh Vasudeorao;PAWAR, Yash;THAKKAR, Vrushti;UMAP, Himanshu~

2026/01918 ~ Complete ~54:HETEROARYL AMINE COMPOUNDS AND USES THEREOF ~71:XENON PHARMACEUTICALS INC, 200 - 3650 Gilmore Way, BURNABY V5G 4W8, BRITISH COLUMBIA, CANADA, Canada ~72: BARIGYE, Stephen Jones;CHARIFSON, Paul Scott;CLARK, Michael Philip;DARAMWAR, Pankaj Pandharinath;DEHNHARDT, Christoph Martin;SAYYAD, Ashik Ajij;SUN, Shaoyi;WANG, Hong;ZENOVA, Alla Yurevna~ 33:US ~31:63/520,171 ~32:17/08/2023;33:US ~31:63/567,980 ~32:21/03/2024

2026/01893 ~ Provisional ~54:SYSTEM AND METHOD FOR RECOVERY OF GOLD FROM CYANIDE LEACH SOLUTIONS ~71:BRONN, Lodewyk, 10 BOLO STREET, MORELETA PARK, 0181, SOUTH AFRICA, South Africa ~72: BRONN, Lodewyk~

2026/01924 ~ Complete ~54:COMPOSITION FOR USE IN TREATMENT AND/OR PREVENTION OF CHRONIC MUSCULOSKELETAL PAIN INCLUDING CHRONIC LOW BACK PAIN, CHRONIC NON-SPECIFIC LOW BACK PAIN, OSTEOARTHRITIS OR OTHER CHRONIC MUSCULOSKELETAL PAIN CONDITIONS COMPRISING DELTA-9-TETRAHYDROCANNABINOL AND TERPENES ~71:VERTANICAL GMBH, Am Haag 14, 82166, Gräfelfing, Germany ~72: BASTIAN BAASCH;CLEMENS FISCHER~ 33:EP ~31:23189088.0 ~32:01/08/2023

2026/01903 ~ Complete ~54:A RASPBERRY PI ENABLED SMART SYSTEM FOR MONITORING EXCESSIVE SOUND LEVELS IN DECIBELS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHITRE, Abhijit Vijaykumar;DAHAKE, Sujal Gajanan;GAWANDE, Pravin Ganpatrao;GORIVALE, Aswad Dipak;KULKARNI, Shailesh Vasudeorao;LOHOTE, Yash Anand~

2026/01925 ~ Complete ~54:MATERIAL DELIVERY DEVICE ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: ADAM DINETTA;DAVID SHILDT;EDWARD BRINTON LANG;HECTOR EDUARDO PORTILLO;LOUIS G ROSANIO;MARK JEFFERSON WHITLEY;RICHARD LANDIS~ 33:US ~31:63/527,678 ~32:19/07/2023

2026/01891 ~ Provisional ~54:ADAPTIVE DUAL-MODE TRANSMISSION SYSTEM WITH PADDLE-ACTUATED DOG-GEAR PERFORMANCE MODE AND PREDICTIVE HYBRID CONTROL ~71:Ahmed Waseef Saib, 24 Park Avenue , Desainager, South Africa ~72: Ahmed Waseef Saib~

2026/01894 ~ Provisional ~54:A DIGITAL MARKETPLACE FOR ASSETS ~71:JAG WEB MARKETING (PT, 345 Rivonia Road, Rivonia, South Africa ~72: GREEN, Steven Robert~

2026/01897 ~ Provisional ~54:WIFIVE: A SYSTEM AND METHOD FOR GENERATING AND TRANSMITTING VIRTUAL HIGH-FIVE INTERACTIONS ACROSS DIGITAL PLATFORMS ~71:Mika Button, 35478 Senyane street, South Africa ~72: Mika Button~

2026/01899 ~ Complete ~54:COAXIAL DRIVE SYSTEM WITH DUAL WHEEL-SIDE MOTORS FOR LEFT AND RIGHT WHEELS OF BATTERY ELECTRIC VEHICLE ~71:ZHEJIANG XIN PRECISION MACHINERY CO., LTD., 150 Xitaihe Road, Jiaojiang District, Taizhou, Zhejiang, 318000, People's Republic of China ~72: JIN Jianhua;MA Qiang;YU Wenyong~ 33:CN ~31:2025103044137 ~32:14/03/2025

2026/01907 ~ Complete ~54:AN IOT-ENABLED HYBRID ADAPTIVE IRRIGATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESAI, Rajlakshmi Nilesh;GAWANDE, Pravin Ganpatrao;JOSHI, Atharva Rajendra;KULKARNI, Manas Girish;MASLEKAR, Atharva Vinayak;NALAWADE, Samiksha Shailesh;RAUT, Ketan Janraoji;SURYAVANSHI, Atharva Santosh~

2026/01910 ~ Complete ~54:TOPICAL COMPOSITION FOR RELIEVING DRY SKIN SYMPTOMS ASSOCIATED WITH ATOPIC DERMATITIS AND ECZEMA ~71:BAPAT, Dr. Pranjal Amey, III-1-5 Address 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India;SONAWANE, Avishkar Prakash, 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India;SONAWANE, Prakash Sadashiv, 2402- Ashwood, Acme Ozone, Khewara Circle, Ghodbandar Road, Manpada, Thane (West), India ~72: BAPAT, Dr. Pranjal Amey;SONAWANE, Avishkar Prakash;SONAWANE, Prakash Sadashiv~ 33:IN ~31:202521044385 ~32:07/05/2025

2026/01919 ~ Complete ~54:HETEROARYL AMINE COMPOUNDS AND USES THEREOF ~71:XENON PHARMACEUTICALS INC., 200 - 3650 Gilmore Way, BURNABY V5G 4W8, BC, CANADA, Canada ~72: BARIGYE, Stephen Jones;CHARIFSON, Paul Scott;CLARK, Michael Philip;DARAMWAR, Pankaj Pandharinath;DEHNHARDT, Christoph Martin;SAYYAD, Ashik Ajij;SUN, Shaoyi;WANG, Hong;ZENOVA, Alla Yurevna~ 33:US ~31:63/520,171 ~32:17/08/2023;33:US ~31:63/567,980 ~32:21/03/2024

2026/01921 ~ Complete ~54:A METHOD FOR HOT ROLLING A STEEL PRODUCT ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Céline MUSIK;Evangeline AHTOY~ 33:IB ~31:PCT/IB2023/059062 ~32:13/09/2023

2026/01923 ~ Complete ~54:METHOD FOR RECYCLING STEEL SLAG AS SORBENT FOR CAPTURING ACID POLLUTANTS ~71:ORBIX SOLUTIONS, rue du Dria 46, 6240, Farciennes, Belgium ~72: DIRK VAN MECHELEN;FRÉDÉRIQUE BOUILLOT~

2026/01887 ~ Provisional ~54:INTEGRATED AI-POWERED 20-ZONE VEHICLE SECURITY MONITORING SYSTEM WITH NRF9151 AND TENSORFLOW LITE MICROINTEGRATED AI-POWERED 20-ZONE VEHICLE SECURITY MONITORING SYSTEM WITH NRF9151 AND TENSORFLOW LITE MICRO ~71:Norovari PTY Ltd., 232 Glover Avenue, South Africa ~72: Dinah Christine Dube~ 33:ZA ~31:2026/01025 ~32:30/01/2026

2026/01913 ~ Complete ~54:TOPICAL COMPOSITION FOR THE TREATMENT OF MUCOSAL LESIONS WITH SHORT GELLING TIME ~71:INMEDICAL THERAPEUTICS, S.L., C. Albert Einstein, 15, Parque Tecnológico de Alava, Spain ~72: ALONSO CARNICERO, Jose María;CONDE CONDE, Luciano;MARTÍN-DELGADO SANTOS, Luis Fernando;MUÑOZ MORENTIN, Manuel;PÉREZ PÉREZ, Raúl;VILLARÓ MARTI, Antoni~ 33:EP ~31:23382747.6 ~32:20/07/2023

2026/01917 ~ Complete ~54:CATALYSTS AND METHODS FOR CONVERSION OF 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (CFC-113) TO 1,1,2-TRIFLUOROETHANE (HFC-143) ~71:SOLSTICE ADVANCED MATERIALS US, INC., 115 Tabor Road, MORRIS PLAINS 07950, NJ, USA, United States of America ~72: MAHDAVI-SHAKIB, Akbar;WANG, Haiyou~ 33:US ~31:63/534,000 ~32:22/08/2023;33:US ~31:18/807,095 ~32:16/08/2024

2026/01964 ~ Provisional ~54:RADAR SYSTEM FOR MONITORING WEAR PARTS ~71:Fabricio Rodriguez, 597 Gariep Street, South Africa;Jorge Omar Rodriguez, 11 Sunrise Ave, South Africa ~72: Fabricio A. Rodriguez;Jorge Omar Rodriguez~

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2026/02012 ~ Provisional ~54:WATER TRUCK DELIVERY ~71:Bhekokuhle Evans Kgomo, 653 Santo domingo Lane, Reedville, South Africa ~72: Bhekokuhle Evans Kgomo~ 33:ZA ~31:2016/182649/07 ~32:08/02/2026

2026/01943 ~ Complete ~54:A WEARABLE HEALTH AND SAFETY MONITORING SYSTEMS FOR FALL DETECTION AND EMERGENCY ALERT FUNCTIONALITY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AUTE, Revati Tushar;DESHPANDE, Pallavi Devendra;GAWANDE, Pravin Ganpatrao;KULKARNI, Shailesh Vasudeorao;MATHURKAR, Piyush Kiranrao;SHAH, Jeenali;VANJARI, Parin Nitin~

2026/01947 ~ Complete ~54:MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF ~71:BEIJING RHEGEN BIOTECHNOLOGY CO.,LTD., No. 415-45, 4th Floor, Building 1, No. 9 Yongchang North Road, People's Republic of China;SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., Floor 4, Building 2, Shenzhen Biological Incubation Base, No.10 Gaoxin Zhongyi Road, Maling Community, Yuehai Street, People's Republic of China;WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., Room 405-053, 4th Floor, Tower A, No. 777, Optics Valley 3rd Road, East Lake New Technology Development Zone, People's Republic of China ~72: HU, Yong;LI, Yafei;TANG, Zan;XU, Lianqiang;YUAN, Xincheng;ZHANG, Hao~ 33:CN ~31:202411678196.X. ~32:21/11/2024

2026/01957 ~ Complete ~54:CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ALBERT JOSEPH POST;DOUGLAS JOHN HIBAN;GEORGIA L SHAFER;JOSEPH ORESTE CARNALI;MEGAN RUTH JANKOVSKY;TEANOOSH MOADDEL~ 33:EP ~31:23193014.0 ~32:23/08/2023

2026/01959 ~ Complete ~54:OLIGONUCLEOTIDES CONTAINING MULTIPLE LIGANDS AND/OR LIPIDS ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive Suite 200, San Diego, California, 92121, United States of America ~72: CHANDRAMOULI CHIRUTA;RUI ZHU;ZHEN LI~ 33:US ~31:63/520,339 ~32:17/08/2023

2026/01930 ~ Provisional ~54:A SYSTEM AND METHOD FOR NON-PRESSURIZED THERMAL CONDITIONING, MECHANICAL CONSOLIDATION, AND ENCAPSULATION OF ABSORBENT HYGIENE WASTE ~71:Andre Claassen, 18 Whale Rock Verde Whitecaps Way, South Africa ~72: Andre Claassen~

2026/01934 ~ Provisional ~54:PROTECTIVE ASSEMBLY FOR A DISPENSER ~71:BC TOOLING CONSULTANTS (PTY) LTD., 123A KITZINGER AVENUE, BRAKPAN 1541, Gauteng, SOUTH AFRICA, South Africa ~72: COETZEE, Renier~

2026/01935 ~ Complete ~54:GENERATING PARALLEL DATA FOR REAL-TIME SPEECH FORM CONVERSION ~71:KRISP TECHNOLOGIES, INC., 2342 Shattuck Ave., United States of America ~72: ALEKSANYAN, Hayk;BAGHDASARYAN, Daniel;GALOYAN, Levon;HAKOBYAN, Kajik;HAKOBYAN, Nairi;HASRATYAN, Ruben;HOVSEPYAN, Aris;KOBELYAN, Artur;SARGSYAN, Stepan;SHAHBAZYAN, Rima;TONOYAN, Tigran~ 33:US ~31:63/528,251 ~32:07/06/2022

2026/01937 ~ Complete ~54:GRINDING CONTAINER OF AN AGITATOR MILL AND AGITATOR MILL WITH SUCH A GRINDING CONTAINER ~71:NETZSCH-FEINMAHLTECHNIK GMBH, Sedanstraβe 70, SELB 95100, GERMANY, Germany ~72: GOLLER, Thomas;NICHTERLEIN, Markus~ 33:DE ~31:10 2025 106 097.5 ~32:18/02/2025

2026/01932 ~ Provisional ~54:HIGH-DENSITY MODULAR HYDROGEN PROPULSION SYSTEM WITH INTEGRATED ENTHALPY RECOVERY ~71:Andre Christiaan Cloete, 33 eland str, koedoespoort, pretoria, south africa, South Africa ~72: andre cloete~

2026/01940 ~ Complete ~54:A SMART WEARABLE COMMUNICATION DEVICE FOR BEDRIDDEN AND PARALYZED PATIENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEOKAR, Parth Govind;GAWANDE, Pravin Ganpatrao;INGLE, Anup Wasudevrao;JADHAV, Tushar Ramhari;KULKARNI, Shailesh Vasudeorao;NIKAM, Kunal Keshav;RAUT, Ketan Janraoji;SONAWANE, Tushar Ramdas~

2026/01942 ~ Complete ~54:AN IOT-BASED ENERGY METER FOR ELECTRICAL THEFT DETECTION AND ENSURE SAFETY OF INDIVIDUALS AND ELECTRICAL APPLIANCES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVHAN, Gajanan Himmatrao;GAWANDE, Pravin Ganpatrao;KHARCHE, Mokshada Vaibhav;KULKARNI, Shailesh Vasudeorao;PHALLE, Rutuja Sachin;RENKE, Vaishnavi Sunil;UDAWANT, Mansi Manoj~

2026/01945 ~ Complete ~54:METHOD FOR CONTROLLING AN INCLINATION ANGLE OF AN IMPLEMENT, AND WORK MACHINE ~71:KVERNELAND GROUP NIEUW-VENNEP B.V., Hoofdweg 1278, Netherlands ~72: VAN BRUGGEN, Rene~ 33:EP ~31:23206503.7 ~32:27/10/2023

2026/01948 ~ Complete ~54:SHELF AND SHELF SYSTEMS WITH CLOSED PROFILE ~71:ZENITH TANZIM SERGILEME URETIM SANAYI VE TICARET ANONIM SIRKETI, Zafer SB Mahallesi Defne Sokak No:12, Ic Kapi No:1 Gaziemir/Izmir, Turkey ~72: DERE, Ali;LABAZIN, German~

2026/01956 ~ Complete ~54:S1P1 RECEPTOR AGONISTS AND USES THEREOF ~71:VALO HEALTH, INC., 399 Boylston Street, Suite 505, United States of America ~72: ABOUABDELLAH, Ahmed;ALMARIO, Antonio;BISCARRAT, Sandrine;BRAUN, Alain;CRESPIN, Olivier;EVARISTI, Maria Francesca;GILLE-FANET, Catherine;GORDON, William;GROB, Jonathan;MALANDA, André;MONOS, Tim;NICOLAI, Eric;POIRIER, Bruno;SLOWINSKI, Franck;STANGELAND, Eric Lars;XU, Jinwang~ 33:US ~31:63/606,375 ~32:05/12/2023

2026/01962 ~ Complete ~54:PLANT DEFENSE ELICITORS ~71:GLOBACHEM NV, Lichtenberglaan 2019 3800, Belgium ~72: ZWARTS, Liesbeth~ 33:EP ~31:23188974.2 ~32:01/08/2023

2026/01931 ~ Provisional ~54:HANDLE ASSEMBLY FOR A CONTAINER ~71:JACOBS, Jackie, 700 Hertzog Street, Wonderboom South, South Africa ~72: JACOBS, Jackie~

2026/01933 ~ Provisional ~54:A SYSTEM, AND A METHOD OF, PROVIDING EMERGENCY ACCESS TO PATIENT MEDICAL INFORMATION ~71:MLSB Consulting Group (Pty) Limited, 318 Umfuyaneni Section, Cnr Petrus Africa and Mzilikazi Streets, South Africa ~72: MOLOI, Mohau~

2026/01936 ~ Complete ~54:AGITATOR MILL AND METHOD FOR ASSEMBLY AND DISMANTLING A GRINDING VESSEL BOTTOM OF AN AGITATOR MILL ~71:NETZSCH-FEINMAHLTECHNIK GMBH, Sedanstraβe 70, SELB 95100, GERMANY, Germany ~72: GOLLER, Thomas;LINBERG, Dennis;NICHTERLEIN, Markus~ 33:DE ~31:10 2025 106 096.7 ~32:18/02/2025

2026/01938 ~ Complete ~54:SEPARATING DEVICE IN AN AGITATOR MILL, SEPARATING MODULE AND AGITATOR MILL WITH A SEPARATING DEVICE ~71:NETZSCH-FEINMAHLTECHNIK GMBH, Sedanstraβe 70, SELB 95100, GERMANY, Germany ~72: LINBERG, Dennis;MÖSCHL, Holger~ 33:DE ~31:10 2025 106 095.9 ~32:18/02/2025

2026/01929 ~ Provisional ~54:UBUNTU PAY (STOKVEL WALLET APP) ~71:Lesley Zibusiso Mncube, 515 iqwara street, Tswelopele, South Africa ~72: Lesley Zibusiso Mncube~

2026/01952 ~ Complete ~54:A METHOD AND AN APPARATUS FOR REMOVING LIME MUD DEPOSITIONS FROM INTERNAL SURFACES OF A ROTARY LIME KILN ~71:ANDRITZ OY, Tammasaarenkatu 1, HELSINKI 00180, FINLAND, Finland ~72: KOTTILA, Mika;KÄRKI, Tatu;OKSMAN, Antti;VEHMAAN-KREULA, Juhani;VENÄLÄINEN, Nina~ 33:FI ~31:20235856 ~32:01/08/2023

2026/01954 ~ Complete ~54:BICYCLIC HETEROARYL-CONTAINING PIPERIDINE INHIBITORS OF SLC6A19 FUNCTION ~71:JNANA THERAPEUTICS INC., One Design Center Place, Suite 19-400, BOSTON 02210, MA, USA, United States of America ~72: HOLLIBAUGH, Ryan A.;PARK, Hyejin~ 33:US ~31:63/532,264 ~32:11/08/2023;33:US ~31:63/633,404 ~32:12/04/2024

2026/01958 ~ Complete ~54:OLIGONUCLEOTIDES CONTAINING A LIGAND AT AN INTERNAL POSITION ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive Suite 200, San Diego, California, 92121, United States of America ~72: ALIX LEAH CLARKE;CHANDRAMOULI CHIRUTA;KIN FONG;RUI ZHU;ZHEN LI~ 33:US ~31:63/520,337 ~32:17/08/2023

2026/01946 ~ Complete ~54:MRNA PHARMACEUTICAL COMPOSITION FOR TREATING AND PREVENTING TUBERCULOSIS AND USE THEREOF ~71:BEIJING RHEGEN BIOTECHNOLOGY CO.,LTD., No. 415-45, 4th Floor, Building 1, No. 9 Yongchang North Road, People's Republic of China;SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., Floor 4, Building 2, Shenzhen Biological Incubation Base, No.10 Gaoxin Zhongyi Road, Maling Community, Yuehai Street, People's Republic of China;WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., Room 405-053, 4th Floor, Tower A, No. 777, Optics Valley 3rd Road, East Lake New Technology Development Zone, People's Republic of China ~72: HU, Yong;LI, Yafei;TANG, Zan;XU, Lianqiang;YUAN, Xincheng;ZHANG, Hao~ 33:CN ~31:202411677755.5 ~32:21/11/2024

2026/01951 ~ Complete ~54:SYNTHESIS OF SULFOXIMINES CONTAINING A BENZIMIDAZOLE MOIETY ~71:SYNGENTA CROP PROTECTION AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: DUMEUNIER, Raphael;PERROTTA, Daniele;SMITS, Helmars~ 33:EP ~31:23198339.6 ~32:19/09/2023

2026/01941 ~ Complete ~54:A MONITORING SYSTEM FOR AUTOMATED PEST DETECTION AND WATER LEVEL MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BIRADAR, Dhanashree Uttam;CHORMALE, Aboli Surayakant;GAWANDE, Pravin Ganpatrao;INGLE, Anup Wasudevrao;JADHAV, Tushar Ramhari;PANGARKAR, Akshay Pandurang;SHABADI, Shryasjh Shankarappa~

2026/01950 ~ Complete ~54:METHODS AND SYSTEMS RELATING TO ASSESSING MITOCHONDRIAL EFFICIENCY OF AN INDIVIDUAL IN THE PRESENCE OR ABSENCE OF A HEALTH CONDITION ~71:VERSÉA DISCOVERY, INC., 401 SOUTH FLORIDA AVENUE, TAMPA, FLORIDA 33602, USA, United States of America ~72: MOELLER-BERTRAM, Toby;PORADA, Stephen~ 33:US ~31:63/515,925 ~32:27/07/2023

2026/01960 ~ Complete ~54:MODIFIED OLIGONUCLEOTIDES CONTAINING MULTIPLE OLIGONUCLEOTIDES ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive Suite 200, San Diego, California, 92121, United States of America ~72: BO CHENG;CHANDRAMOULI CHIRUTA;RUI ZHU;ZHEN LI~ 33:US ~31:63/520,092 ~32:17/08/2023

2026/01975 ~ Provisional ~54:SMARTCLAIM ~71:Bhekokuhle Evans Kgomo, 653 Santo domingo Lane, Reedville, South Africa ~72: Bhekokuhle Evans Kgomo~ 33:ZA ~31:2016/182649/07 ~32:10/02/2026

2026/01939 ~ Complete ~54:AN IMMUNOTHERAPEUTIC FOR PROSTATE CANCER TREATMENT ~71:HEXAMER THERAPEUTICS, INC., 2345 NE Hopkins Ct., Ste. B, Pullman, Washington, 99163, United States of America ~72: KEITH DOUGLAS MILLER;ROBERT BOGDEN~ 33:US ~31:62/899,553 ~32:12/09/2019

2026/01944 ~ Complete ~54:A RASPBERRY PI-POWERED IOT SYSTEM FOR COMPUTING IN REAL-TIME ENVIRONMENTAL MONITORING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Atharva Vishwas;DESHPANDE, Pallavi Devendra;GAWANDE, Pravin Ganpatrao;KULKARNI, Arnav Vinayak;KULKARNI, Shailesh Vasudeorao;MATHURKAR, Piyush Kiranrao;RAJU, Rohan~

2026/01949 ~ Complete ~54:PROTECTION CIRCUIT FOR ELECTRICAL POWER DISTRIBUTION SYSTEM COMPONENTS ~71:TECHHOLD LLC, 4301 Highway 7, Suite 140, United States of America ~72: ANDERSON, David~ 33:US ~31:63/519,444 ~32:14/08/2023

2026/01953 ~ Complete ~54:ANTI-ACVR2B ANTIBODIES AND USES THEREOF ~71:LAEKNA THERAPEUTICS SHANGHAI CO., LTD., 5th Floor, 987 Cailun Road, Zhangjiang, Pudong New Area, SHANGHAI 201203, CHINA (P.R.C.), People's Republic of China ~72: GU, Xiang-Ju Justin;HU, Meijuan;LU, Chris Xiangyang;YANG, Mengxue;ZHANG, Ruipeng~ 33:IB ~31:2023/110569 ~32:01/08/2023

2026/01955 ~ Complete ~54:3D-POROUS CARBON STRUCTURES, ELECTRODES COMPRISING THESE, AND THEIR METHODS OF PRODUCTION AND USE ~71:ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG, Friedrichstr. 39, FREIBURG 79098, GERMANY, Germany ~72: BERESTOK, Taisiia;FISCHER, Anna;KÜSPERT, Sven;ORTLIEB, Niklas~ 33:EP ~31:23189884.2 ~32:04/08/2023

2026/01961 ~ Complete ~54:OLIGONUCLEOTIDES CONTAINING A LIGAND AT A NUCLEOBASE, 2' POSITION, OR 3' POSITION ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive Suite 200, San Diego, California, 92121, United States of America ~72: CHANDRAMOULI CHIRUTA;KIN FONG;RUI ZHU;ZHEN LI~ 33:US ~31:63/520,093 ~32:17/08/2023

. - APPLIED ON 2026/02/18 -

2026/01991 ~ Complete ~54:(2S,5R)-5-(HYDROXYMETHYL)MORPHOLINE-2-CARBOXAMIDES AS AGONISTS OF SSTR4 ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: GIOVANNINI, Riccardo;HEHN, Joerg P;PROULX, Eliane;SOMMER, Heiko;SPECKER, Christian~ 33:EP ~31:23189263.9 ~32:02/08/2023;33:EP ~31:24185413.2 ~32:28/06/2024

2026/01994 ~ Complete ~54:FRAMES FOR PHOTOVOLTAIC MODULES AND MOUNTING FEATURES ~71:Enstall US, Inc., 28357 Industrial Boulevard, HAYWARD 94545, CA, USA, United States of America ~72: ARMANO, Joseph;ASH, Jon;BROCK, Lori;CHIDESTER, Bryan;DE GRAAF, Jan-Floris;MENTON, Duane;PEDLAR, Roger;REMLEY, Chase;SCHWARZ, Yann;SMIT, Maarten Alexander;WILLIAMSON, Aaron~ 33:US ~31:63/527,733 ~32:19/07/2023;33:US ~31:63/595,263 ~32:01/11/2023

2026/02001 ~ Complete ~54:METHOD OF SELECTING NEOANTIGEN FOR DEVELOPMENT OF PERSONALIZED CANCER VACCINE ~71:LG CHEM, LTD., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: DA EUN KIM;HYEONGSU KIM;KYUHONG CHOE;SEIHWAN JEONG;SEUNGHAE KIM;YOUNGMOK KIM;YUNKU YEU~ 33:KR ~31:10-2023-0110887 ~32:23/08/2023

2026/02009 ~ Complete ~54:SPRAYER UNIT, OUTLET COMPRISING A SPRAYER UNIT, AND METHOD FOR OPERATING THE SPRAYER UNIT ~71:L'OREAL, 14 rue Royale, 75008, Paris, France ~72: ALEXIS MARETTE;CAROLINE JACKSON;FANNY LUDER;FLORENCE LOUIS~ 33:CH ~31:CH000954/2023 ~32:04/09/2023;33:CH ~31:CH000439/2024 ~32:23/04/2024

2026/02003 ~ Complete ~54:SPIROCYCLIC DIHYDROPYRANOPYRIMIDINE KRAS INHIBITORS ~71:TREELINE BIOSCIENCES, INC., 500 Arsenal Street Watertown, Massachusetts, 02472, United States of America ~72: ALEXANDER E SEIM;ANDY TSAI;FLORENTINA TOFOLEANU;JAMES PAUL LAJINESS;JENS-

MARTIN HEROLD;KEVIN D HESP;LUDOVIC JACKY GILBERT DECULTOT;SHAWN CABRAL;VINCENT MASCITTI~ 33:US ~31:63/533,354 ~32:17/08/2023;33:US ~31:63/535,014 ~32:28/08/2023;33:US ~31:63/542,178 ~32:03/10/2023;33:US ~31:63/545,535 ~32:24/10/2023;33:US ~31:63/614,248 ~32:22/12/2023;33:US ~31:63/559,553 ~32:29/02/2024;33:US ~31:63/567,306 ~32:19/03/2024;33:US ~31:63/572,733 ~32:01/04/2024;33:US ~31:63/650,285 ~32:21/05/2024;33:US ~31:63/653,025 ~32:29/05/2024;33:US ~31:63/675,568 ~32:25/07/2024

2026/01969 ~ Provisional ~54:SYSTEM AND METHOD FOR AUTOMATED CONSTRUCTION ESCALATION CALCULATIONS ~71:MSIPHA, Luyanda Khaboyise, The Village, 58 Kelvin Road, Bramley, South Africa ~72: MSIPHA, Luyanda Khaboyise~

2026/01983 ~ Complete ~54:METHOD FOR OPERATING DYNAMIC-PRECISION NEURAL TRANSLATION MODEL FOR MOBILE DEVICE, AND SYSTEM ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Juan PENG;Li LI;Yangbo WU;Ying LIN;Yingdi XI~

2026/01990 ~ Complete ~54:PIPERIDINYLPYRIDINYLCARBONITRILE DERIVATIVES AS INHIBITORS OF GLUTAMINYL-PEPTIDE CYCLOTRANSFERASE AND GLUTAMINYL-PEPTIDE CYCLOTRANSFERASE LIKE PROTEIN ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BINDER, Florian Paul Christian;DAHMANN, Georg;HANDSCHUH, Sandra Ruth;REINDL, Sophia Astrid;WILLWACHER, Jens;YANG HAMILTON, James Young Soo~ 33:EP ~31:23189886.7 ~32:04/08/2023

2026/01997 ~ Complete ~54:POLYURETHANE-BASED ELASTOMER FOAM INCLUDING ADHESION PROMOTER SUITABLE FOR BATTERY POTTING ~71:HUNTSMAN INTERNATIONAL LLC, 10003 Woodloch Forest Drive, THE WOODLANDS 77380, TX, USA, United States of America ~72: BERTHELS, Philip;KRAMER, Michael;VAN ESSCHE, Luc;VANGRIMDE, Bart;VERBEKE, Hans~ 33:US ~31:63/537,623 ~32:11/09/2023

2026/02000 ~ Complete ~54:CONJUGATE FOR ANTIGEN DELIVERY AND USE THEREOF ~71:LG CHEM, LTD., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: DA EUN KIM;DAE HEE KIM;HYEONGSU KIM;JOON CHEOL KWON;KYEONGSIK MIN;SEUNGHAE KIM~ 33:KR ~31:10-2023-0099234 ~32:28/07/2023;33:KR ~31:10-2023-0102465 ~32:04/08/2023

2026/01971 ~ Provisional ~54:BIO-SILICON INTERFACE PROTOCOL FOR BIDIRECTIONAL TRANSLATION BETWEEN BIOLOGICAL COMPUTATIONAL SUBSTRATES AND DIGITAL PROCESSING SYSTEMS ~71:Andre Oberholzer, 29, South Africa ~72: Andre~

2026/01981 ~ Complete ~54:AN AUTOMATED LOAN APPROVAL SYSTEM USING PREDICTIVE MACHINE LEARNING AND ADAPTIVE RISK ASSESSMENT FRAMEWORK ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JAIN, Vidisha;JAMADAR, Farhan;JANGIRA, Jaskaran Singh;JANGLE, Kushal;JANI, Maharshi;JAWANJAL, Rushikesh;KHEDEKAR, Lokesh~

2026/01996 ~ Complete ~54:COMBINATION THERAPY FOR TREATING PROSTATE CANCER ~71:AMGEN INC., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America;AMGEN RESEARCH (MUNICH) GMBH, Staffelseestrasse 2, MUNICH 81477, GERMANY, Germany ~72: KISCHEL, Roman;KOUROS-MEHR, Hosein;LOLKEMA, Martijn;MESSMANN, Richard;STIEGLMAIER, Julia~ 33:US ~31:63/533,831 ~32:21/08/2023

2026/01999 ~ Complete ~54:SPRAY MACHINE ALIGNMENT SYSTEMS AND METHODS ~71:CROWN PACKAGING TECHNOLOGY, INC., 18410 Crossing Drive, Suite A, TINLEY PARK 60487-9286, IL, USA, United

States of America ~72: CAUNTER, Nicholas;MARSHALL, Fergus;MONRO, Stuart~ 33:US ~31:63/533,614 ~32:19/08/2023

2026/02005 ~ Complete ~54:GRINDING ROTOR FOR AN ORE MILL ~71:MINERAL PROCESS CONSULTING GMBH, Moosweg 40, 3645, Gwatt (Thun), Switzerland ~72: BERNHARD ERB~ 33:EP ~31:23196589.8 ~32:11/09/2023

2026/02006 ~ Complete ~54:FIREFIGHTING FOAM COMPOSITION ~71:STEPAN COMPANY, 1101 Skokie Blvd., Northbrook, Illinois, 60062, United States of America ~72: CATHERINE BERTHOLF;JASON SCOTT KEIPER;JOHN CHRISTOPHER HUTCHISON;XUE MIN DONG~ 33:US ~31:63/534,228 ~32:23/08/2023

2026/02007 ~ Complete ~54:PHARMACEUTICAL FORMULATIONS OF GPR119 AGONISTS AND USES THEREOF ~71:MANKIND PHARMA LTD., 208, Okhla Industrial Estate Phase III, New Delhi, 110020, India ~72: ANIL KUMAR;CHITHAMBARAM MUTHULINGAM;DHEERAJ FULARA;KS HAREEN;RASHMI RANJAN PANDA;SANTOSH KUMAR RAI~ 33:IN ~31:202311054015 ~32:11/08/2023

2026/01965 ~ Provisional ~54:MEDITATION SYSTEM AND METHOD ~71:VAN ROOYEN, Joag, 602 Migdal, 7 Worcester Road, Sea Point, South Africa ~72: VAN ROOYEN, Joag~

2026/01977 ~ Complete ~54:NUTRIENT DOSING UNIT ~71:FARMA GROWERS GROUP (PTY) LTD, Portion 1075 of Farm Hartebeespoort, C419 JQ, South Africa ~72: STEYN, André Joshua~

2026/01989 ~ Complete ~54:PIPERIDINYLPYRIDINYLCARBONITRILE DERIVATIVES AS INHIBITORS OF GLUTAMINYL-PEPTIDE CYCLOTRANSFERASE AND GLUTAMINYL-PEPTIDE CYCLOTRANSFERASE LIKE PROTEIN ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BINDER, Florian Paul Christian;DAHMANN, Georg;HANDSCHUH, Sandra Ruth;REINDL, Sophia Astrid;WILLWACHER, Jens;YANG HAMILTON, James Young Soo~ 33:EP ~31:23189887.5 ~32:04/08/2023

2026/01998 ~ Complete ~54:A METHOD FOR TREATING LIME MUD IN A LIME KILN, A LIME KILN FEED HEAD AND A LIME KILN ~71:ANDRITZ OY, Tammasaarenkatu 1, HELSINKI 00180, FINLAND, Finland ~72: KOTTILA, Mika;LEINONEN, Mikko;MUSSALO, Mika;VEHMAAN-KREULA, Juhani;VENÄLÄINEN, Nina~ 33:FI ~31:20235857 ~32:01/08/2023

2026/02004 ~ Complete ~54:BRAIN MODULATION SYSTEMS AND METHODS ~71:SPIRE THERAPEUTICS INC., 48 S. Rio Grande Street, Salt Lake City, Utah, 84101-1179, United States of America ~72: JAN KUBANEK~ 33:US ~31:63/519,247 ~32:12/08/2023;33:US ~31:63/519,256 ~32:13/08/2023;33:US ~31:63/519,436 ~32:14/08/2023;33:US ~31:63/550,365 ~32:06/02/2024;33:US ~31:63/550,379 ~32:06/02/2024

2026/01966 ~ Provisional ~54:FLEXIBLE ARTIFICIAL INTELLIGENCE-BASED CYBER CATASTROPHIC BOND STRUCTURING AND RISK TRANSFER SYSTEM FOR AFRICAN MARKETS ~71:NJABULO MAHLALELA, 2197 Cornubia Flats, South Africa ~72: Njabulo Mahlalela~

2026/01968 ~ Provisional ~54:A CLEANING DEVICE ~71:TWYFORD, Richard, James, 306 SPUR ROAD, BEAULIEU, KYALAMI, MIDRAND, SOUTH AFRICA, South Africa ~72: TWYFORD, Richard, James~

2026/01972 ~ Provisional ~54:IONIC SILVER AND NON-IONIC SURFACTANT COMPOSITIONS FOR ANTIMICROBIAL APPLICATIONS ~71:Ian Drummond McQueen, 18 Hoogenhout Crescent, South Africa ~72: Ian Drummond McQueen~ 33:ZA ~31:NA ~32:03/02/2026

2026/01993 ~ Complete ~54:THERAPEUTIC AGENT FOR NEURODEGENERATIVE DISEASES ~71:Teijin Pharma Limited, 2-1, Kasumigaseki 3-chome, Chiyoda-ku, 1000013, TOKYO, JAPAN, Japan;University Public

Corporation Osaka, 3rd Floor, 6-85 Morinomiya 1-chome, Joto-ku, OSAKA-SHI 5360025, OSAKA, JAPAN, Japan ~72: EGUCHI, Hiroshi;TOMIYAMA, Takami;UMEDA, Tomohiro~ 33:JP ~31:2023-140405 ~32:30/08/2023

2026/01995 ~ Complete ~54:GLUCOSE OXIDASE VARIANTS ~71:DANSTAR FERMENT AG, Poststrasse 30, ZUG CH-6300, SWITZERLAND, Switzerland ~72: CALCINES-CRUZ, Carlos;CHANG, Christopher Jason;PANAITIU, Alexandra-Elena;PRIVETT, Britney Rose~ 33:US ~31:63/582,640 ~32:14/09/2023

2026/02011 ~ Provisional ~54:ITSM + ENDPOINT AGENT ~71:NTSIYENI GANYANE, 239 MAA STREET, TEMONG SECTION, South Africa ~72: NTSIYENI GANYANE~

2026/02013 ~ Provisional ~54:A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR FACILITATING CONSTRUCTION SERVICES AND PROJECT MANAGEMENT AND RELATED MILESTONE PAYMENTS. ~71:Anopa Chipangura, 12 Waterglen, South Africa ~72: ANOPA ALLEN JAMES CHIPANGURA~

2026/01967 ~ Provisional ~54:INTELLIGENT SENSOR MODULE ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Francois;BRUWER, Frederick Johannes;DU TOIT, Riaan;RADEMEYER, Daniel Barend;VILJOEN, Jean;WOLMARANS, Wikus~

2026/01970 ~ Provisional ~54:SYSTEMATIC TRUST CAPITAL INFRASTRUCTURE ENGINE FOR BEHAVIOURALLY-INDEXED CLOSED-NETWORK MICRO-LENDING IMPLEMENTED ON MOBILE OPERATING SYSTEMS ~71:Xin Rong IP represented by Luyanda Armitage Jordan, 8 MAKHA STREET MBUQE EXTENSION MTHATHA, South Africa ~72: LUYANDA ARMITAGE JORDAN~ 33:ZA ~31:A dynamic computed behavioural asset forming a Tru ~32:12/02/2026;33:ZA ~31:Adynamic computed behavioural asset forming a Tru ~32:12/02/2026

2026/01984 ~ Complete ~54:METHOD AND SYSTEM FOR PERSONALIZED EMOTIONAL REPRODUCTION IN SPEECH TRANSLATION BASED ON VOICEPRINT RECOGNITION ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Juan PENG;Li LI;Yangbo WU;Ying LIN;Yingdi XI~

2026/01987 ~ Complete ~54:CONFIGURATION OF REPETITIONS OF DOWNLINK CONTROL INFORMATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AHMADZADEH, Arman;BI, Bo;FREDERIKSEN, Frank;MARCONE, Alessio~

2026/01976 ~ Complete ~54:A LAWNMOWER ROBOT WITH EASILY REPLACEABLE BLADES ~71:JINHUA UNIVERSITY OF VOCATIONAL TECHNOLOGY, No. 888, West Haitang Road, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: WANG Zhiming;XIONG Yongsen;ZHANG Zhengzhong;ZHU Youshuai~

2026/01980 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR MULTI-CLASS SKIN DISEASE DETECTION AND ASSISTANCE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BARHATE, Minal;DONGRE, Ganesh;MAHALLE, Parikshit N;MORE, Kiran P;PABALE, Viraj Sandip;PADATE, Gargi Sitaram;PADHARIYA, Dev Tulsidas;PAGARIYA, Arham Paresh;PAME, Varad Vilas;PAME, Varun Vilas~

2026/01988 ~ Complete ~54:ENHANCEMENT ON SIDELINK POSITIONING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KUCERA, Stepan~ 33:US ~31:63/515,441 ~32:25/07/2023

2026/01992 ~ Complete ~54:A LIQUID FILTER ELEMENT AND COMPONENTS THEREOF ~71:SCHEWITZ, Larry, 4 Dick King Road, Wilsonia, South Africa ~72: SCHEWITZ, Larry~

2026/01974 ~ Provisional ~54:IONIC SILVER COMPOSITIONS AND DELIVERY SYSTEMS FOR ANTIMICROBIAL TREATMENT, PROPHYLAXIS, AND ENVIRONMENTAL BIOSECURITY IN COMMERCIAL POULTRY OPERATIONS ~71:Ian Drummond McQueen, 18 Hoogenhout Crescent, South Africa ~72: Ian Drummond McQueen~ 33:ZA ~31:NA ~32:03/02/2026

2026/01978 ~ Complete ~54:FLOW CONDITIONER ~71:BEAUCHAMP, Siobhan, The Station, 23 North Point, South Africa ~72: BEAUCHAMP, Siobhan~

2026/01982 ~ Complete ~54:METHOD FOR ENSURING CONTEXTUAL CONSISTENCY BETWEEN LONG DOCUMENT TRANSLATION AND REAL-TIME DIALOGUE TRANSLATION ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Juan PENG;Li LI;Yangbo WU;Ying LIN;Yingdi XI~

2026/01986 ~ Complete ~54:BIOSTIMULANT COMBINATION AND METHODS OF USE ~71:ACADIAN SEAPLANTS LIMITED, 30 BROWN AVENUE, DARTMOUTH NS, B3B 1X8, CANADA, Canada ~72: FOWLER, Rachel;LITTLE, Holly;TODD, Josie;VAN DER ZWAN, Timo~ 33:EP ~31:23187890.1 ~32:26/07/2023

2026/02010 ~ Complete ~54:AGENTS AGAINST RESPIRATORY VIRUSES AND METHODS OF USING THE SAME ~71:THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, Office of the General Counsel, Building 170, Third Floor, United States of America ~72: ELAZAR, Menashe;GLENN, Jeffrey S.;PHAM, Edward A.;SALUTI, Rachel Hagey~ 33:US ~31:63/538,698 ~32:15/09/2023

2026/02002 ~ Complete ~54:RNA COMPOSITIONS ENCODING ANTIBODIES TARGETING HIV ~71:BIONTECH SE, An der Goldgrube 12, 55131, Mainz, Germany ~72: FELIX TOLKSDORF;JOHANNES NELKE;SVEN KRATOCHVIL;VALENTIN LE DOUCE~ 33:US ~31:63/517,609 ~32:03/08/2023;33:US ~31:63/581,274 ~32:07/09/2023

2026/02008 ~ Complete ~54:AERIAL WORK PLATFORM WITH LINKAGE DAMPING ~71:TEREX SOUTH DAKOTA, INC., 500 Oakwood Road Watertown, South Dakota, 57201, United States of America ~72: DAIFENG ZHANG;DONG CAO;WENJIA WANG;XIAOCHENG YANG;YE HUANG;YIHUA CAO~ 33:CN ~31:202311027213.9 ~32:15/08/2023

2026/01973 ~ Provisional ~54:SODIUM NITRATE AS A CHLORIDE-FREE TONICITY AND BUFFERING AGENT FOR SILVER-CONTAINING PHARMACEUTICAL, VETERINARY, AND ANTIMICROBIAL COMPOSITIONS ~71:Ian Drummond McQueen, 18 Hoogenhout Crescent, South Africa ~72: Ian Drummond McQueen~ 33:ZA ~31:NA ~32:03/02/2026

2026/01979 ~ Complete ~54:A MACHINE LEARNING BASED SYSTEM FOR POSTPARTUM DEPRESSION RISK DETECTION AND PREVENTIVE CARE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GOTTIPATTI, Kirti Gangadhar;KHEDEKAR, Lokesh;KIRAD, Gururaj Vinayak;KOHADE, Hemendru Satish;KOLPAKWAR, Shrawan Sunil;KOLTE, Rushikesh;KOSANDAR, Riya Uday~

2026/01985 ~ Complete ~54:FENCE PANEL WITH HIGH HARDNESS CAGE STRUCTURE ~71:Conrite Group Holdings (Pty) Ltd, 21 Tewkesbury, Cotswold Downs, South Africa ~72: SPEIRS, Michael~

. - APPLIED ON 2026/02/19 -

2026/02021 ~ Complete ~54:AN ACCESSORISING KIT ~71:GUILLAUME, Dankert, Cornelis, 316B BORDER ROAD EAST, LYNNWOOD, 0081, PRETORIA, SOUTH AFRICA, South Africa ~72: GUILLAUME, Dankert, Cornelis~ 33:ZA ~31:2024/08771 ~32:19/11/2024

2026/02026 ~ Complete ~54:A BLOCKCHAIN BASED SYSTEM FOR SECURE PACKAGE DELIVERY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEDGAONKAR, Suruchi;PURI, Eklavya;SAYYED, Asad;SHARMA, Nakul;WAGHMODE, Pradyumna;ZANWAR, Yash Rahul~

2026/02031 ~ Complete ~54:SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110712 ~32:24/04/2025

2026/02034 ~ Complete ~54:DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110714 ~32:24/04/2025

2026/02040 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF CABOTEGRAVIR ~71:ViiV HEALTHCARE UK (No.3) LIMITED, GSK Medicines Research Centre, Gunnels Wood Road, United Kingdom ~72: ALIDORI, Simone;CHU, Kevin Sam;GUPTA, Manish Kumar;JONES, Clinton Frank;MUNDHRA, Deepak Balkrishna;PAN, Rennan;PHILIP, Austin;SAHA, Pratik;TASKAR, Pranjal Sameer~ 33:US ~31:63/560,024 ~32:01/03/2024

2026/02052 ~ Complete ~54:STABILIZED AGGLOMERATED COMPOSITONS MADE USING BYPRODUCTS FROM IRON AND/OR STEEL MAKING OPERATIONS ~71:S.A. LHOIST RECHERCHE ET DÉVELOPPEMENT, Rue Charles Dubois 28, OTTIGNIES-LOUVAIN-LA-NUEVE 1342 , BELGIUM, Belgium ~72: ADERHOLD, Joyce;JOHNSON, Jr., William Edward~ 33:IB ~31:2023/000582 ~32:26/09/2023

2026/02029 ~ Complete ~54:SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110709 ~32:24/04/2025

2026/02033 ~ Complete ~54:DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110716 ~32:24/04/2025

2026/02037 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS ~71:ViiV HEALTHCARE UK (No.3) LIMITED, GSK Medicines Research Centre, Gunnels Wood Road, United Kingdom ~72: ALIDORI, Simone;CHU, Kevin Sam;GUPTA, Manish K.;JONES, Clinton Frank;MUNDHRA, Deepak Balkrishna;PAN, Rennan;PHILIP, Austin;SAHA, Pratik;TASKAR, Pranjal Sameer~ 33:IB ~31:PCT/IB2023/059640 ~32:27/09/2023;33:US ~31:63/560,024 ~32:01/03/2024

2026/02041 ~ Complete ~54:SYSTEM AND METHOD FOR DETERMINING AT LEAST ONE BODY PARAMETER OF A BOVINE SUBJECT BASED ON RANGE IMAGING ~71:VIKING GENETICS FMBA, Ebeltoftvej 16, Drastrup, Denmark ~72: BORCHERSEN, Søren;LASSEN, Jan;NIELSEN, Glenn~ 33:EP ~31:23200686.6 ~32:28/09/2023;33:EP ~31:24164758.5 ~32:20/03/2024

2026/02043 ~ Complete ~54:METHOD FOR DETERMINING BEAM-TO-REGION ASSIGNMENT DATA FOR A POWDER-BED BEAM FUSION MANUFACTURING DEVICE ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Efren FERNANDEZ GARCIA;Jorge JIMENEZ MEANA;Juan Manuel MARTINEZ ALVAREZ;Maria Luisa SERRANO ORTEGA~ 33:IB ~31:PCT/IB2023/059071 ~32:13/09/2023

2026/02044 ~ Complete ~54:A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Athina PUYPE;Elvan EKIZ;Lucas SCHIAVONE;Martin LIEBEHERR;Sébastien CHAMPEMAUD;Wahib SAIKALY~ 33:IB ~31:PCT/IB2023/059057 ~32:13/09/2023

2026/02051 ~ Complete ~54:PHARMACEUTICAL AND ANTI-GPNMB ANTIBODY FOR REMOVING DISEASE-ASSOCIATED CELLS ~71:TEIJIN PHARMA LIMITED, 2-1, Kasumigaseki 3-chome, Chiyoda-ku, 1000013, TOKYO, JAPAN, Japan ~72: EGUCHI, Hiroshi;GOTOU, Kaoru;SHIMOYAMA, Hiroshi;YAZAWA, Kana~ 33:JP ~31:2023-140294 ~32:30/08/2023

2026/02058 ~ Complete ~54:COPOLYMERS OF N-VINYLPYRROLIDONE WITH FUNCTIONALIZED MALEIC ACID MOIETIES ~71:HEMOTEQ AG, Adenauerstrasse 15, 52146, Würselen, Germany ~72: ERIKA HOFFMANN;HELMUT HORBACH;KATHARINA WIEMER;MICHAEL HOFFMANN~ 33:EP ~31:23197821.4 ~32:17/09/2023;33:EP ~31:23197822.2 ~32:17/09/2023

2026/02016 ~ Provisional ~54:A CONTINUOUS MONITORING, EVENT DETECTION, AND AUTOMATED RE-TRIAGE SYSTEM FOR EMERGENCY DEPARTMENT WAITING AREAS ~71:Dr. Trevor Martin Blumenthal, 19 Spenser Avenue 29 Glen Acres, South Africa ~72: Dr. Trevor Martin Blumenthal~

2026/02019 ~ Complete ~54:ENGINE NACELLE FOR UNMANNED AERIAL VEHICLE WITH ENGINE ROTATION MECHANISM ~71:SMIRNOV Dmitrii Dmitrievich, ul. Domodedovskaya, d. 22, k. 1, kv. 582, Moscow, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025119251 ~32:04/11/2025

2026/02022 ~ Complete ~54:TOOL FOR MULTI-SOURCE BIODIVERSITY ASSESSMENT ~71:TTU Holdings Limited, Lime Tree Workshop, 11 Lime Tree Walk, United Kingdom ~72: COOGAN, Lance Reginald Charles~

2026/02030 ~ Complete ~54:SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110711 ~32:24/04/2025

2026/02039 ~ Complete ~54:PROCESS FOR PREPARING INTERMEDIATES OF SARTAN ACTIVE COMPOUNDS ~71:SANOFI, 46 avenue de la Grande Armée, France ~72: CAUFRIEZ, Hugo;CRUCIANI, Paul;LEMAITRE, Clément~ 33:EP ~31:23306264.5 ~32:21/07/2023

2026/02048 ~ Complete ~54:APPARATUS AND METHOD FOR A NON-GAMBLING GAME ~71:Fusion Holdings Limited, Burleigh Manor, Peel Road, DOUGLAS IM1 5EP, ISLE OF MAN, Isle of Man ~72: MOSHAL, Martin Paul~ 33:US ~31:18/355,591 ~32:20/07/2023

2026/02053 ~ Complete ~54:ANTI-TROP2 ANTIBODY, CONJUGATE COMPRISING SAID ANTIBODY, AND USE THEREOF ~71:HANANO TECHNOLOGIES LIMITED, 12 Glebe Road, Prestbury, GL52 3DG, ENGLAND, UNITED KINGDOM, United Kingdom ~72: BISHOP, Benjamin;GAI, Junwei;LI, Guanghui;WAN, Yakun;ZHU, Min~

2026/02062 ~ Provisional ~54:SYSTEM 7 POINT ONE THREE ~71:STEPHANUS JOHANNES VAN DER WALT, 85 NICOL STREET, HEILBRON, South Africa ~72: STEPHANUS JOHANNES VAN DER WALT~

2026/02049 ~ Complete ~54:A GABA RECEPTOR MODULATOR FOR USE IN THE TREATMENT OF ABSENCE SEIZURES ~71:SANIONA A/S, Murervangen 42, GLOSTRUP 2600, DENMARK, Denmark ~72: LARSEN, Janus Schreiber;NIELSEN, Karin Sandager~ 33:EP ~31:23197741.4 ~32:15/09/2023

2026/02054 ~ Complete ~54:PROTEINS, ADENOVIRUSES AND VACCINES AGAINST INFECTION BY SARS-COV-2 OMICRON XBB SUBVARIANTS ~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: GUANGWEN LU;GUOBO SHEN;JINGYUN YANG;JINLIANG YANG;JIONG LI;LI YANG;PING CHENG;WEI WANG;XIAWEI WEI;YUQUAN WEI;ZHENLING WANG;ZHIWEI ZHAO~ 33:CN ~31:202311009822.1 ~32:11/08/2023

2026/02060 ~ Complete ~54:DETECTING A VARIATION ANOMALY IN AN ESTIMATE OF A LEVEL OF CHARGE OF AN ELECTRICAL ENERGY STORAGE MODULE ~71:ELECTRICITE DE FRANCE, 22-30, avenue de Wagram, 75008, Paris, France ~72: AMINE EL MAKHROUBI;EMERIC BRUN~ 33:FR ~31:FR2308421 ~32:03/08/2023

2026/02020 ~ Complete ~54:GRIP COVER FOR HANDRAILS ~71:SWARTS, JACOBUS JONATHAN JACOB, Plot 339, Dinie Estates Road, Kroondal, South Africa ~72: SWARTS, JACOBUS JONATHAN JACOB~ 33:ZA ~31:2025/01527 ~32:19/02/2025

2026/02023 ~ Complete ~54:AN NLP-BASED SYSTEM FOR PREPARATION AND ANALYSIS OF RENTAL AGREEMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHARAMBE, Dnyanesh Mahendra;DHADAVE, Adwait;DHAMALE, Divyanka Devram;MATE, Anuja;PANDEY, Vanshika Nimesh;SHARMA, Nakul~

2026/02025 ~ Complete ~54:AN IOT-INTEGRATED ADJUSTABLE GLASSES WITH AUTOMATIC FOCUS CORRECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BADAKH, Sakshi Anil;DESALE, Nakshatra Umesh;MANE, Tanuja Umesh;MATE, Anuja;MHETRE, Shravani Nagesh;SHARMA, Nakul;SHELKE, Priya~

2026/02028 ~ Complete ~54:SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS USING GRAPHICAL USER INTERFACE ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110713 ~32:24/04/2025

2026/02038 ~ Complete ~54:PROCESS FOR THE MANUFACTURE OF A HER2 INHIBITOR ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: CHONG, Eugene;DONG, Weitong;LI, Ruoshi;MULDER, Jason Alan;TROFIMOV, Alexander~ 33:EP ~31:23188330.7 ~32:28/07/2023

2026/02047 ~ Complete ~54:POLYURETHANE-BASED ELASTOMER FOAM SUITABLE FOR BATTERY POTTING ~71:HUNTSMAN INTERNATIONAL LLC, 10003 Woodloch Forest Drive, THE WOODLANDS 77380, TX, USA, United States of America ~72: VAN DYCK, Johan;VERBEKE, Hans~ 33:EP ~31:23196566.6 ~32:11/09/2023

2026/02014 ~ Provisional ~54:APPARATUS, SYSTEM AND METHOD FOR DISPENSING A CUSTOM COSMETIC FORMULATION ~71:DENSHÉ BEAUTY (PTY) LTD, 23 Cradock Avenue, Rosebank, South Africa ~72: MULENGA, Denise;OTTESEN, Frederik~

2026/02027 ~ Complete ~54:SYSTEM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110710 ~32:24/04/2025

2026/02032 ~ Complete ~54:DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110715 ~32:24/04/2025

2026/02035 ~ Complete ~54:DEVICE FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS USING GRAPHICAL USER INTERFACE ~71:EAZYPATENT LIMITED LIABILITY COMPANY, VN.TER.G. MUNITSYPALNIY OKRUG KOTLOVKA, UL BOLSHAYA CHEREMUSHKINSKAYA, D. 25, STR. 97, MOSCOW, 117218, Russian Federation ~72: CHERNYAEV Maksim Andreevich;KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2025110718 ~32:24/04/2025

2026/02046 ~ Complete ~54:SYSTEMS AND METHODS FOR SECURE AUTHENTICATION ~71:NETARX LLC, 4713 Wendrick Dr., WEST BLOOMFIELD 48323, MI, USA, United States of America ~72: CLINE, Bret Owen;FORTUNE, Mitchell Lynn;KRONENBERG, Sandy~ 33:US ~31:63/519,135 ~32:11/08/2023;33:US ~31:18/417,733 ~32:19/01/2024;33:US ~31:18/673,635 ~32:24/05/2024;33:US ~31:18/673,660 ~32:24/05/2024

2026/02056 ~ Complete ~54:RMC-6291 FOR USE IN THE TREATMENT OF RAS PROTEIN-RELATED DISEASE OR DISORDER ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: JINGJING JIANG;LEI BAO;MALLIKA SINGH;RICHA DUA;YU CHI YANG;ZHENGPING WANG;ZHICAN WANG~ 33:US ~31:63/531,175 ~32:07/08/2023;33:US ~31:63/543,420 ~32:10/10/2023;33:US ~31:63/618,783 ~32:08/01/2024

2026/02059 ~ Complete ~54:LINER FOR MEN'S BRIEFS ~71:SEAMPRINT GMBH & CO. KG, Schulstrasse 8a, 82541, Münsing, Germany ~72: INGE SIEBERT;UDO SIEBERT~ 33:DE ~31:20 2023 104 794.7 ~32:23/08/2023

2026/02050 ~ Complete ~54:A GABA RECEPTOR MODULATOR FOR TREATING DISORDERS ASSOCIATED WITH SLEEP SPINDLE DEFICITS ~71:SANIONA A/S, Murervangen 42, GLOSTRUP 2600, DENMARK, Denmark ~72: LARSEN, Janus Schreiber;NIELSEN, Karin Sandager~ 33:EP ~31:23197742.2 ~32:15/09/2023

2026/02055 ~ Complete ~54:CROSSLINKERS ~71:HEMOTEQ AG, Adenauerstrasse 15, 52146, Würselen, Germany ~72: ERIKA HOFFMANN;HELMUT HORBACH;KATHARINA WIEMER;MICHAEL HOFFMANN;MONIKA CASARETTO~ 33:EP ~31:23197821.4 ~32:17/09/2023;33:EP ~31:23197822.2 ~32:17/09/2023

2026/02061 ~ Complete ~54:ROTATING SPIRAL REACTOR ~71:THE UNIVERSITY OF SHEFFIELD, Firth Court, Western Bank, Sheffield, United Kingdom ~72: JOHN KARUNAKARAN, Esther Purna Nithila;MACLEOD MACINNES, Jordan~ 33:GB ~31:2313778.9 ~32:11/09/2023

2026/02015 ~ Provisional ~54:CONTINUOUS WARD MONITORING SYSTEM WITH TRIGGERED MEASUREMENTS AND ESCALATION ~71:Dr. Trevor Martin Blumenthal, 19 Spenser Avenue 29 Glen Acres, South Africa ~72: Dr. Trevor Martin Blumenthal~

2026/02017 ~ Provisional ~54:AI-DRIVEN MULTI-TENANT CYBERSECURITY, TELEMETRY INTELLIGENCE, AND REGULATORY COMPLIANCE INTERPRETATION PLATFORM (THREATWEAVE) ~71:Edmund Herbert, 38 Parrot, South Africa ~72: Edmund Herbert~ 33:ZA ~31:None ~32:25/01/2026

2026/02018 ~ Provisional ~54:BIO-SILICON HYBRID MOTHERBOARD ARCHITECTURE INCORPORATING DUAL-ENVIRONMENT THERMAL ZONING AND INTEGRATED BIOLOGICAL SUBSTRATE LIFE-SUPPORT INTERFACE ~71:Andre, 29 Eybers, South Africa ~72: ANDRE~

2026/02024 ~ Complete ~54:AN IOT BASED SYSTEM FOR INTEGRATED HEALTH, SAFETY AND WELLNESS MONITORING IN SMART HOMES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DAS, Raj Vijay;KALLAWAR, Prapti;MHATRE, Jeet Avinash;SHARMA, Nakul;SHELKE, Priya;WAINKAR, Asmit Raju;YAWATKAR, Kunal Suryabhan~

2026/02036 ~ Complete ~54:MRNA PHARMACEUTICAL COMPOSITION FOR THE PREVENTION AND TREATMENT OF TUBERCULOSIS AND USES THEREOF ~71:BEIJING RHEGEN BIOTECHNOLOGY CO.,LTD., No. 415-45, 4th Floor, Building 1, No. 9 Yongchang North Road, People's Republic of China;SHENZHEN RHEGEN BIOTECHNOLOGY CO.,LTD., Floor 4, Building 2, Shenzhen Biological Incubation Base, No.10 Gaoxin Zhongyi Road, Maling Community, Yuehai Street, People's Republic of China;WUHAN RHEGEN BIOTECHNOLOGY CO.,LTD., Room 405-053, 4th Floor, Tower A, No. 777, Optics Valley 3rd Road, East Lake New Technology Development Zone, People's Republic of China ~72: HU, Yong;LI, Yafei;TANG, Zan;XU, Lianqiang;YUAN, Xincheng;ZHANG, Hao~ 33:CN ~31:202411679928.7 ~32:21/11/2024

2026/02042 ~ Complete ~54:A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Athina PUYPE;Elvan EKIZ;Lucas SCHIAVONE;Martin LIEBEHERR;Sébastien CHAMPEMAUD;Wahib SAIKALY~ 33:IB ~31:PCT/IB2023/059058 ~32:13/09/2023

2026/02045 ~ Complete ~54:SACRIFICIAL ZWITTERIONS IN LOW CONDUCTIVE HEAT-TRANSFER FLUIDS ~71:ARTECO N.V., Metropoolstraat 25, SCHOTEN 2900, BELGIUM, Belgium ~72: CLERICK, Sander~ 33:EP ~31:23206102.8 ~32:26/10/2023

2026/02057 ~ Complete ~54:COPOLYMERS OF N-VINYLPYRROLIDONE WITH FUNCTIONALIZED MALEIC ACID MOIETIES ~71:HEMOTEQ AG, Adenauerstrasse 15, 52146, Würselen, Germany ~72: ERIKA HOFFMANN;HELMUT HORBACH;KATHARINA WIEMER;MICHAEL HOFFMANN~ 33:EP ~31:23197821.4 ~32:17/09/2023;33:EP ~31:23197822.2 ~32:17/09/2023

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

Application Number	Assignor	Assignee
2023/10717	CHEIRONTECH S.R.L.	DOMPE FARMACEUTICI S.P.A.
2025/01695	ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY	WUXI FUTURE WENYU TECHNOLOGY CO., LTD.
2025/10170	QUANTOOM BIOSCIENCES SA	PHOENIX BIOSCIENCES SA
2022/13477	BEIJING TUO JIE BIOPHARMACEUTICAL CO. LTD.	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.

Application Number	Assignor	Assignee
2013/03127	ASTRAZENECA AB	GRUNENTHAL GMBH
2024/03755	SHENGDI PHARMACEUTICAL CO., LTD.	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.
2022/10489	VEGETABLE RESEARCH INSTITUTE, ACADEMY OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCE, TIBET AUTONOMOUS REGION	XIZANG VOCATIONAL TECHNICAL COLLEGE
2019/05921	GENOMSYS SA	KONINKLIJKE PHILIPS N.V.
2021/07890	HANMI PHARM. CO., LTD.	NOBO MEDICINE INC.
2022/10490	VEGETABLE RESEARCH INSTITUTE, ACADEMY OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCE, TIBET AUTONOMOUS REGION	XIZANG VOCATIONAL TECHNICAL COLLEGE
2008/02402	POLY-CLIP SYSTEM GMBH & CO. KG	POLY-CLIP SYSTEM CONSUMABLES GMBH
2018/03680	RHODIA OPERATIONS	SPECIALTY OPERATIONS FRANCE
2022/06157	RHODIA OPERATIONS	SPECIALTY OPERATIONS FRANCE
2025/09411	HONEYWELL INTERNATIONAL INC.	SOLSTICE ADVANCED MATERIALS US, INC.
2025/09285	HONEYWELL INTERNATIONAL INC.	SOLSTICE ADVANCED MATERIALS US, INC.
2023/10057	ABBVIE INC.	ABBVIE MANUFACTURING MANAGEMENT UNLIMITED COMPANY
2016/03899	STICHTING RADBOUND UNIVERSITAIR MEDISCH CENTRUM	ANSER IMPLANTS HOLDING B.V.
2026/00991	FOURIE, JOHAN JACQUES	STEEL KING TRUST
2026/00178	CSPC BAIKE (SHANDONG) BIO-PHARMACEUTICAL CO. LTD.	CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD.
2017/05362	JUMBO DRUG BANK CO., LTD.	WESTVAC BIOPHARMA TECH (BEIJING) CO., LTD.
2025/02519	REMEGEN (SHANGHAI) CO., LTD.	REMEGEN CO., LTD.
2025/09532	REMEGEN (SHANGHAI) CO., LTD.	REMEGEN CO., LTD.
2015/01534	ARCELORMITTAL INVESTIGACION Y DESARROLLO, S.L.	ARCELOMITTAL
2022/02473	DROPSIGHT (PTY) LTD	RAS CONSULT (PTY) LTD
2021/08300	VIBRAC S.A.	VIBRAC and INVENTAGE LAB INC.
2012/02710	MSD WELLCOME TRUST	HILLEMAN LABORATORIES SINGAPORE PTE. LIMITED
2013/05221	IRON THERAPEUTICS HOLDINGS AG	SHIELD TX (UK) LIMITED
2009/04377	EVONIK DEGUSSA GMBH	HONEYWELL INTERNATIONAL INC.
2019/04288	SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD.	SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES and GREEN VALLEY (SHANGHAI) PHARMACEUTICAL CO., LTD.
2018/00162	TOKITAE LLC	GLOBAL HEALTH LABS, INC.
2018/00161	TOKITAE LLC	GLOBAL HEALTH LABS, INC.

Application Number	Assignor	Assignee
2017/00313	TOKITAE LLC	GLOBAL HEALTH LABS, INC.
2018/04495	TOKITAE LLC	GLOBAL HEALTH LABS, INC.
2018/04736	BASF SE and BASF CORPORATION	BASF CATALYSTS LLC
2018/04736	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2015/06073	BASF SE and BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2012/08563	BASF SE and BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2020/07705	INTERNATIONAL PAPER COMPANY	GCF US HOLDINGS LLC
2023/03940	GT APEIRON THERAPEUTICS LIMITED	EXSCIENTIA AI LIMITED
2023/03940	EXSCIENTIA AI LIMITED	RECURSION PHARMACEUTICALS, INC.
2022/00742	IDEMIA FRANCE	IDEMIA IDENTITY & SECURITY FRANCE
2016/04037	IDEMIA FRANCE	IDEMIA IDENTITY & SECURITY FRANCE
2019/02691	SUMITOMO PHARMA SWITZERLAND GMBH	SUMITOMO PHARMA CO., LTD.
2020/07639	HELA NOVEL METALS LLC	HELA HOLDINGS LLC
2019/02690	SUMITOMO PHARMA SWITZERLAND GMBH	SUMITOMO PHARMA CO., LTD.
2024/00951	HASYTEC ELECTRONICS AG	ULTRASONIC TECH GMBH
2009/03231	BASF SE	BASF AGRO B.V.
2015/04408	MERCK SHARP & DOHME CORP.	MERCK SHARP & DOHME LLC
2009/06224	MERCK SHARP & DOHME CORP.	MERCK SHARP & DOHME LLC

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2025/04513	GENERAL ELECTRIC TECHNOLOGY GMBH	GE VERNOVA TECHNOLOGY GMBH
2025/07608	EXACTO, INC.	EXACTO, LLC
2024/00899	SOLVPAC (PTY) LTD	NEWMANTLE (PTY) LTD
2019/01402	SANOFI PASTEUR INC.	SANOFI VACCINES US INC.
2025/08378	GEA BREWERY SYSTEMS GMBH	GEA LIQUID TECHNOLOGIES GERMANY GMBH
2025/11086	ATOMWISE INC.	NUMERION LABS, INC.
2024/00899	NEWMANTLE (PTY) LTD	PKG MANAGEMENT SERVICES (PTY) LTD
2024/05882	HERCULES PROJECT COMPANY LLC	HONEYWELL LNG LLC
2022/11048	PINGDU BERNIA FOOD CO., LTD.	QINGDAO BERNIA FOOD GROUP CO., LTD.
2023/10502	PINGDU BERNIA FOOD CO., LTD.	QINGDAO BERNIA FOOD GROUP CO., LTD.
2022/11047	PINGDU BERNIA FOOD CO., LTD.	QINGDAO BERNIA FOOD GROUP CO., LTD.
2016/04037	IDEMIA IDENTITY & SECURITY FRANCE	IN SMART IDENTITY FRANCE

Application Number	In the name of	New name
2022/00742	IDEMIA IDENTITY & SECURITY FRANCE	IN SMART IDENTITY FRANCE
2022/06587	IDEMIA IDENTITY & SECURITY FRANCE	IN SMART IDENTITY FRANCE
2024/03742	NEOLIXIR LIMITED	LIXA LIMITED
2022/12394	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2023/01450	ILIAD BIOTECHNOLOGIES, LLC	ILIAD BIOTECHNOLOGIES, INC.
2021/07491	MORPHOSYS AG	MORPHOSYS GMBH
2022/00327	NANJING ZENSHINE PHARMACEUTICALS CO., LTD.	ZENSHINE PHARMACEUTICALS (NANJING) GROUP CO., LTD.
2022/00742	IDEMIA IDENTITY & SECURITY FRANCE	IN SMART IDENTITY FRANCE
2016/04037	IDEMIA IDENTITY & SECURITY FRANCE	IN SMART IDENTITY FRANCE
2025/09812	NEOLIXIR LIMITED	LIXA LIMITED
2024/038888	ATHIRA PHARMA, INC.	LEONABIO, INC.
2008/04267	FLSMIDTH CEMENT A/S	FULLER TECHNOLOGIES DENMARK A/S
2008/07226	FLSMIDTH CEMENT A/S	FULLER TECHNOLOGIES DENMARK A/S
2-23/04641	ATHIRA PHARMA, INC.	LEONABIO, INC.

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

Application Number	Licensor	Licensee
2018/06791	NOVO NORDISK A/S	NOVO NORDISK (PTY) LTD
2025/03388	NOVO NORDISK A/S	NOVO NORDISK (PTY) LTD
2025/03350	NOVO NORDISK A/S	NOVO NORDISK (PTY) LTD
2025/03387	NOVO NORDISK A/S	NOVO NORDISK (PTY) LTD
2023/04644	ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC.	CYRUS THERAPEUTICS INC.
2007/07261	NOVO NORDISK A/S	NOVO NORDISK (PTY) LTD
2025/07395	NOVO NORDISK A/S	NOVO NORDISK (PTY) LTD
2025/07394	NOVO NORDISK A/S	NOVO NORDISK (PTY) LTD

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2025/01056	WITHDRAWN	30/09/2025
2025/10717	WITHDRAWN	18/02/2026

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 **CENERGY SOLUTIONS INC,** whose address for service is **SIBANDA & ZANTWIJK, OAKLANDS** has applied to the registrar for the restoration of Patent No **2017/06914** entitled **INCREASED STORAGE CAPACITY OF GAS IN PRESSURE VESSELS** dated **10/03/2016**, which lapsed on **10/03/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **CEVEC PHARMACEUTICALS GMBH** whose address for service is **EDWARD NATHAN SONNENBERGS, RANDBURG** has applied to the registrar for the restoration of Patent No **2022/10745** entitled **METHOD FOR THE PRODUCTION OF AAV** dated **23/11/2021**, which lapsed on **23/11/2024** 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.

Notice is hereby given that **EJ RIDER (ISRAEL) LTD.** whose address for service is **SPOOR & FISHER, CENTURION** has applied to the registrar for the restoration of Patent No **2020/00962** entitled **HIGH FREQUENCY OPTICAL SWITCH AND FABRICATION METHODS THEREOF** dated **24/07/2018**, which lapsed on **24/07/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **NOKIA TECHNOLOGIESOY.** whose address for service is **SPOOR & FISHER, CENTURION** has applied to the registrar for the restoration of Patent No **2022/10100** entitled **APPARATUS, METHOD AND COMPUTER PROGRAM FOR CONNECTION MANAGEMENT** dated **14/11/2018**, which lapsed on **28/12/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

THE PATENTS ACT, No. 57 OF 1978

VOLUNTARY 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: TECH SONIC LIMITED PARTNERSHIP 17 Rayborn Crescent, St. Albert, Alberta, T8N 4A9. Request permission to amend the specification of letters patent no: **2012/05199** of **11/07/2012** for **APPARATUS AND METHOD FOR ULTRASONICALLY CLEANING INDUSTRIAL COMPONENTS.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: MINING AND PROCESS SOLUTIONS PTY LTD 2) COVORO MINING SOLUTIONS, LLC OF **1) 2A PRINCESS STREET, CAULFIELD NORTH, VICTORIA, AUSTRALIA 2) 2571 FITE ROAD, MEMPHIS, TENNESSEE, 38127, UNITED STATES OF AMERICA.** Request permission to amend the specification of letters patent no: **2017/06791** of **9 OCTOBER 2017** for **PROCESS FOR SELECTIVE RECOVERY OF CHALCOPHILE GROUP ELEMENTS**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: MINING AND PROCESS SOLUTIONS PTY LTD 2) COVORO MINING SOLUTIONS, LLC OF **1) 2A PRINCESS STREET, CAULFIELD NORTH, VICTORIA, AUSTRALIA 2) 2571 FITE ROAD, MEMPHIS, TENNESSEE, 38127, UNITED STATES OF AMERICA.** Request permission to amend the specification of letters patent no**: 2016/01566** of **7 MARCH 2016** for **A PROCESS FOR COPPER AND/OR PRECIOUS METAL RECOVERY.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: Celix Trading CC 3 PARI WAY, WALMER, GQEBERHA, 6070. Request Permission to amend the specification of letters patent no: **2023/08814** of **18/09/2023** for **MULTIPLE POSITION ROASTING GRILL.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: RHEINFELDEN CARBON GMBH & CO. KG 1807, Bukheinstrasse 2 79618 Rheinfelden. Request permission to amend the specification of letters patent no: **2018/05976** of **06/09/2018** for **ELECTRODE MATERIAL.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: UNIVERSITY OF SOUTH AFRICA Muckleneuk Campus, Theo van Wyk Building, PRETORIA 0001, SOUTH AFRICA. Request permission to amend the specification of letters patent no: **2023/02151** of **21/02/2023** for **MODIFIED EZETIMIBE DRUG FOR CANCER TREATMENT.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: CENTURION SYSTEMS (PTY) LIMITED Unit 13, Northlands Production Park, Intersection: Epsom Avenue & Newmarket Road, North Riding 2162 Johannesburg. Request permission to amend the specification of letters patent no: **2020/02907** of **19/05/2020** for **ANTI-THEFT DEVICE**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: XEDA INTERNATIONAL Zone Artisanale la Crau, Route Nationale 7 13670 SAINT ANDIOL. Permission to amend the specification of letters patent no: **2022/12447** of **15/11/2022** for **NEW PROCESS OF TREATMENT OF FRUIT AND VEGETABLES.**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

A complete specification may, after acceptance is advertised, be inspected during office hours at the Patent Office, Pretoria, at a charge of **R4, 00.** Please note, that in terms of section 43 (3) if the acceptance of an application which claims priority in terms of section 31 (1) (c) is not published in terms of section 42 within 18 months from the earliest priority claimed from the relevant application in a convention country, it shall be opened to public inspection after the expiration of 18 months from the earliest priority so claimed.

COPIES OF DOCUMENTS

The Patent Office, Private Bag X400, Pretoria, supplies copies of all patent and trade mark documents at the following rate:

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

Complete specifications in respect of the under mentioned applications for letters Patent have been accepted by the Registrar of Patents.

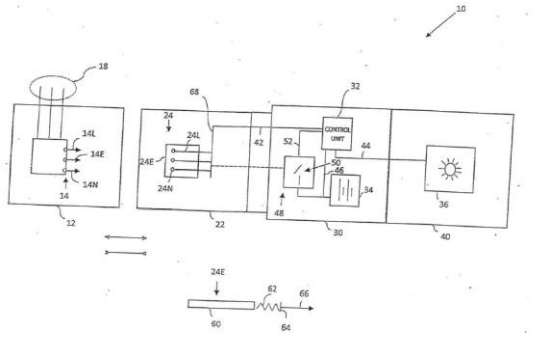
THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

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

Registrar of Patents

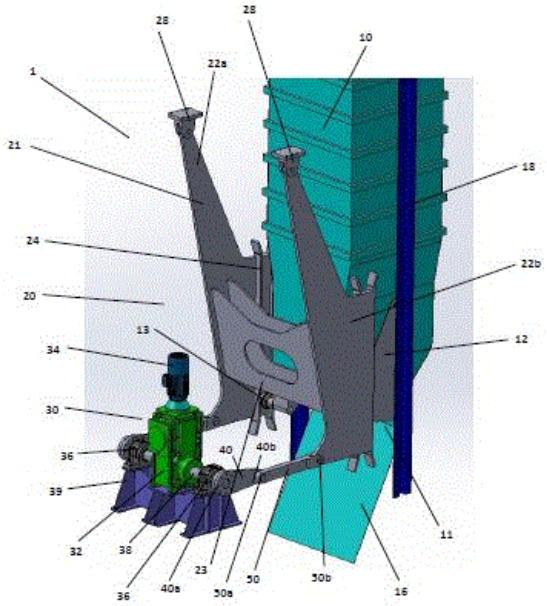
21: 2017/00866. 22: 2017/02/03. 43: 2025/10/24
51: F21K; F21V; H05B
71: NORDLAND OPERATIONS (PTY) LTD
72: GEORGE GRAHAM JARVIS
33: ZA 31: 2016/00293 32: 2016-01-14
54: FLAMEPROOF LUMINAIRE
00: -
A flameproof luminaire which includes a light source, a first housing with first contracts which are connected to a main supply, a second housing which is releasably coupled to the first housing and which includes second contacts which are electrically connected to the first contact and which supply power to the light source when the second housing is coupled to the first housing, backup energy source which supplies power to the light source if the main supply is interrupted and a switch mechanism which interrupts power supply from the backup energy source to the light source when the second housing is uncoupled from the first housing.



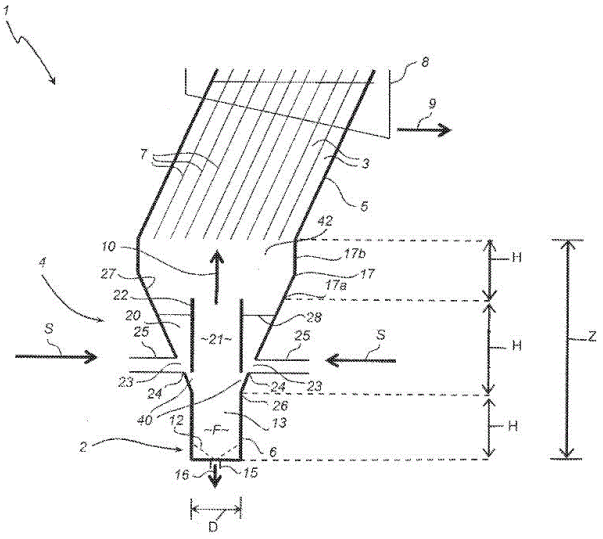
21: 2017/03901. 22: 2017/06/07. 43: 2025/12/02
51: A23K
71: Hill's Pet Nutrition, Inc.
72: JEWELL, Dennis, FOLLIS, Amber, BADRI, Dayakar
33: US 31: 62/097,169 32: 2014-12-29
54: FOOD COMPOSITION AND METHOD OF USE
00: -
The current invention relates to relates to methods of improving commensals in an animal by feeding the animal with a diet including quinoa grain. The quinoa grain is in an amount effective to increase parameters for commensals such as the percentage of lactobacillus in total microbiota, the percentage of bifidobacteria in total microbiota, the percentage of clostridium in total microbiota, and the firmicutes to bacteroidetes ratio. The current invention also relates to pet food compositions that include effective amount of quinoa grain to increase the commensals parameters. In addition, the methods of making such a food compositions are also disclosed.

21: 2017/08761. 22: 2017/12/21. 43: 2025/12/02
51: C12Q
71: Iowa Corn Promotion Board
72: MCLAREN, James, KAUR, Jagdeep, ERTL, David, BRYANT, Douglas, VENKATA, Bala
33: US 31: 62/183,322 32: 2015-06-23
54: PLANTS HAVING ENHANCED YIELD-RELATED TRAITS AND METHODS OF MAKING THEM
00: -
Methods and compositions for enhancing yield-related traits in plants by introducing and expressing in a plant a nucleic acid operably linked to a root-specific promoter, ICprom3.

21: 2018/02563. 22: 2018/04/18. 43: 2025/12/10
51: B66B
71: FLSmidth (Pty) Ltd.
72: KOEKEMOER, Francois
33: US 31: 62/486,482 32: 2017-04-18
54: SKIP DUMP SYSTEM
00: -
A system for emptying a skip, the system having a skip body with a discharge opening; a skip door disposed across the discharge opening; a skip dump door operating mechanism configured to open and close the skip door, the skip dump door operating mechanism having a tipping frame for engaging the engagement portion, a gearbox assembly for actuating the tipping frame, a plurality of crank links and a plurality of crank arms. A skip dump door operating mechanism for opening and closing a skip door, the skip dump door operating mechanism having a tipping frame for engaging an engagement portion of a skip door, a gearbox assembly for actuating the tipping frame; a plurality of crank links and a plurality of crank arms.



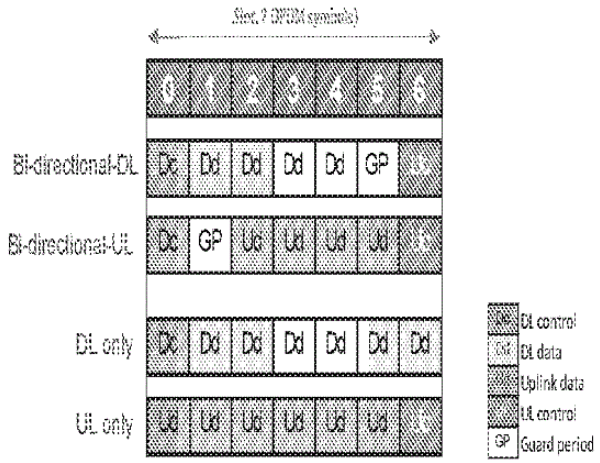
21: 2018/07573. 22: 2018/11/12. 43: 2026/01/29
51: B03B
71: NEWCASTLE INNOVATION LIMITED
72: GALVIN, Kevin Patrick
33: AU 31: 2016901539 32: 2016-04-26
54: A FEED APPARATUS FOR A PARTICLE SEPARATOR, PARTICLE SEPARATOR AND METHOD OF PARTICLE SEPARATION
00: -
The present invention provides an apparatus (4) for feeding a feed slurry (S) into a particle separator (1) having a fluidisation source (13). The feed apparatus comprises a chamber (17) having at least one baffle (22) for dividing the chamber into a first zone (20) and a second zone (21). A feed inlet (23) feeds the slurry into the first zone (20) and the baffle (22) deflects the slurry away from the second zone (21) and direct fluidisation fluid (10) from the fluidisation source (13) through the second zone (21) to combine with the slurry (s) from the first zone (20). A particle separator (1) incorporating the feed apparatus (4) and a method of particle separation is also provided.



21: 2019/04265. 22: 2019/06/28. 43: 2026/02/02
51: A61K; C07D
71: ARCUS BIOSCIENCES, INC.
72: BEATTY, Joel, DEBIEN, Laurent, JEFFREY, Jenna, LELETI, Manmohan Reddy, MANDAL, Debashis, MILES, Dillon, POWERS, Jay, ROSEN, Brandon, THOMAS-TRAN, Rhiannon, SHARIF, Ehesan
33: US 31: 62/448,608 32: 2017-01-20
33: US 31: 62/479,005 32: 2017-03-30
54: AZOLOPYRIMIDINE FOR THE TREATMENT OF CANCER-RELATED DISORDERS
00: -
Compound that is an inhibitor of at least one of the A2A and A2B adenosine receptors, and compositions containing the compound and methods for synthesizing the compound, are described herein. The use of such compound and compositions for the treatment of a diverse array of diseases, disorders, and conditions, including cancer- and immune-related disorders that are mediated, at least in part, by the adenosine A2A receptor and/or the adenosine A2B receptor.

21: 2019/05055. 22: 2019/07/31. 43: 2025/11/27
51: H04W
71: NOKIA TECHNOLOGIES OY
72: TIIROLA, Esa, Tapani, DALSGAARD, Lars, KAIKKONEN, Jorma, Johannes, PAJUKOSKI, Kari, Pekka
33: US 31: 62/442,693 32: 2017-01-05
54: DOWNLINK CONTROL CHANNEL MONITORING
00: -

Various communication systems may benefit from the appropriate monitoring of communication channels. For example, certain wireless communication systems may benefit from downlink control channel monitoring optimized for discontinuous reception mode and/or narrowband operation. A method can include selecting a search space configuration from a plurality of search space configurations for a user equipment. The method can also include operating the user equipment in the selected search space configuration.



21: 2019/05289. 22: 2019/08/12. 43: 2025/12/02
51: A01N
71: McLaughlin Gormley King Company
72: SUNDQUIST, Donald L., SURANYI, Robert A.
33: US 31: 62/357,887 32: 2016-07-01

54: MIXTURES OF SABADILLA ALKALOIDS AND PYRETHRUM AND USES THEREOF

00: -

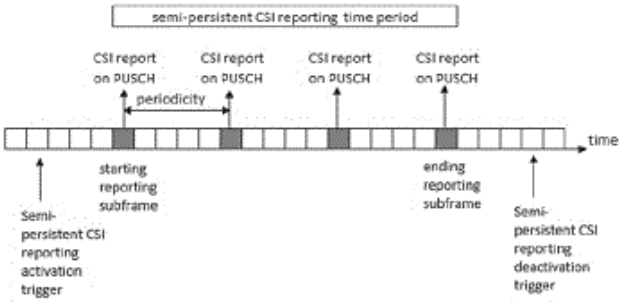
The present invention is directed to pesticidal mixtures comprising sabadilla alkaloids and pyrethrum esters and methods of controlling pests including insects and mites by application of pesticidal mixtures comprising sabadilla alkaloids and pyrethrum esters.

21: 2019/06249. 22: 2019/09/20. 43: 2025/12/11
51: H04L
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: ROBERT MARK HARRISON, SEBASTIAN FAXÉR, MATTIAS FRENNE, SHIWEI GAO, SIVA MURUGANATHAN
33: US 31: 62/476,483 32: 2017-03-24

54: SEMI-PERSISTENT CSI FEEDBACK OVER PUSCH

00: -

A user equipment, base station and method for transmitting semi-persistent channel state information (SP-CSI) on a physical uplink shared channel (PUSCH) are provided. The user equipment includes processing circuitry configured to receive a control signaling message the control signaling message configuring the user equipment with at least one SP CSI report configuration on the PUSCH, and the message identifying a SP CSI reporting periodicity. The user equipment also receives physical layer control signaling identifying and activating the at least one SP CSI report configuration. Transmitter circuitry is configured to transmit a plurality of SP CSI reports, the reports being transmitted with the periodicity and according to the physical layer control signaling and the control signaling message.



21: 2019/08063. 22: 2019/12/04. 43: 2025/12/02
51: A21D; A23L
71: Société des Produits Nestlé S.A.
72: DAVIDEK, Tomas, MANTILLERI, Frédéric, NOVOTNY, Ondrej, RUFFINO, Luca, SIEVERT, Dietmar, ZÜRCHER, Ulrich
33: EP(CH) 31: 17169824.4 32: 2017-05-05

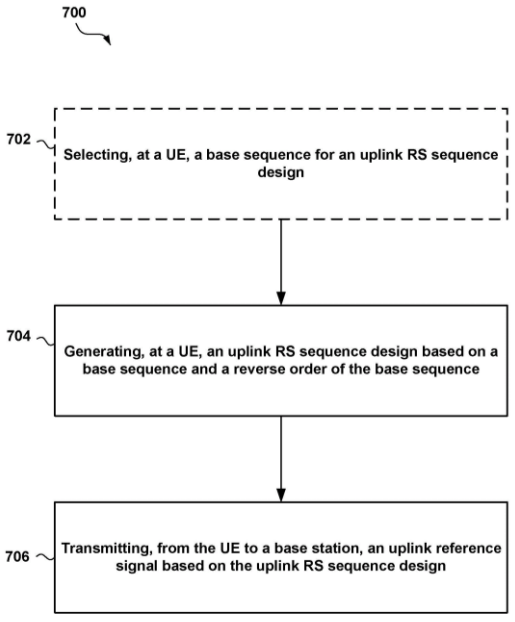
54: PROCESS FOR THE PREPARATION OF HEAT TREATED CEREAL BASED FOOD PRODUCTS

00: -

The present invention relates to a new process to prepare heat treated cereal based food products enriched in certain flavours and to the heat treated cereal based food products obtainable by this process. Additionally, the present invention relates to a process to generate a pre-reacted fraction and to the pre-reacted fraction itself. Such pre-reacted

fraction can be used in the process of the invention to prepare heat treated cereal based food products.

21: 2019/08361. 22: 2019/12/13. 43: 2025/12/02
51: H04L
71: QUALCOMM Incorporated
72: PARK, Seyong, WANG, Renqiu, HUANG, Yi, XU, Hao, GAAL, Peter
33: US 31: 62/521,200 32: 2017-06-16
54: UPLINK REFERENCE SIGNAL SEQUENCE DESIGN IN 5G NEW RADIO
00: -
Various aspects described herein relate to techniques for uplink reference signal sequence design in wireless communications systems. A method, a computer-readable medium, and an apparatus are provided. In an aspect, the method includes identifying a set of sequences to include at least a base sequence, a reverse order sequence of the base sequence, a complex conjugate sequence of the base sequence, or a reverse order complex conjugate sequence of the base sequence, and transmitting an uplink reference signal based on at least one of the sequences in the set. The techniques described herein may apply to different communications technologies, including 5th Generation (5G) New Radio (NR) communications technology.



21: 2020/03635. 22: 2020/06/17. 43: 2025/11/27
51: B61L
71: Next Generation Rail Technologies S.L.
72: AAROE, Richard
33: EP(ES) 31: 17382697.5 32: 2017-10-17
54: SYSTEM FOR DETECTING EVENTS OR SITUATIONS HAVING ASSOCIATED PATTERNS OF ACOUSTIC VIBRATIONS IN A TRAIN RAIL AND VIBRATION DETECTOR UNIT FOR THIS SYSTEM
00: -
System (1) for detecting events or situations having associated patterns of acoustic vibrations in a train rail (2), which comprises a vibration detector unit (3) provided with an acoustic sensor (31) and attached to the rail (2) that can sense the acoustic vibrations transmitted through the rail (2) and a main assembly (4) connected to the vibration detector unit (3), wherein the vibration detector unit (3) comprises a processor (32) and the main assembly (4) comprises a control unit (41), the processor (32) comprising stored patterns corresponding to known events, the processor (32) being configured to preprocess the vibrations transmitted to the rail (2), to determine if the vibrations correspond to a stored pattern and, if the vibrations correspond to a stored pattern, send to the control unit (41) a signal associated to the event. The invention also refers to the vibration detector unit (3) itself.

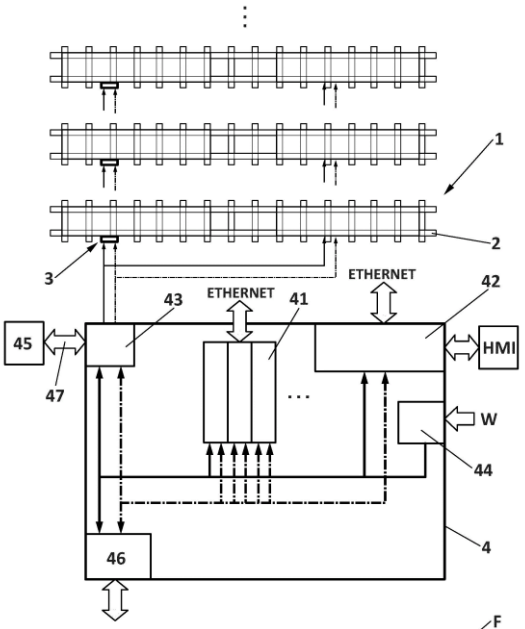


FIG. 1

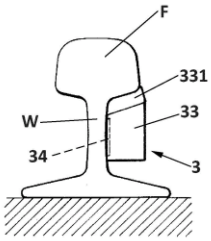
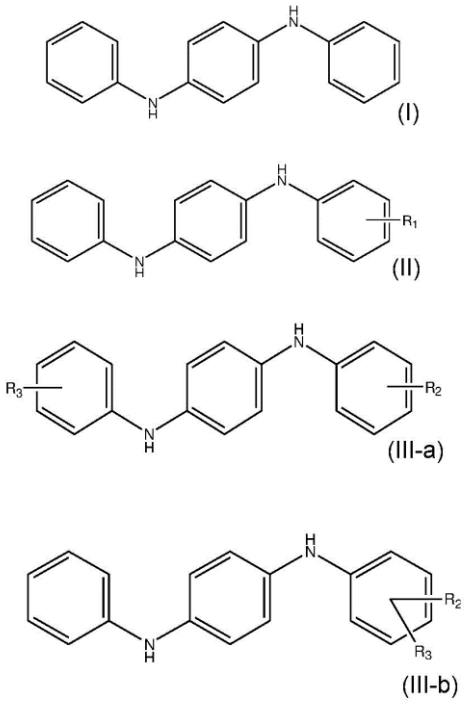


FIG. 5

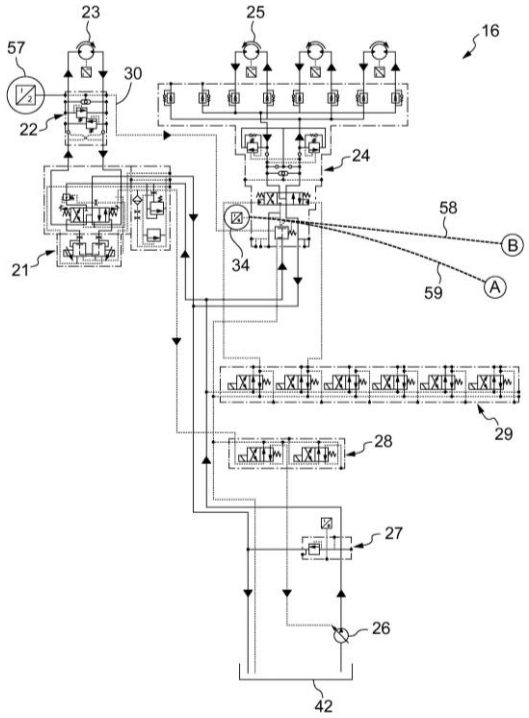
21: 2020/05213. 22: 2020/08/21. 43: 2025/11/27
51: A01C; B65G
71: Ausplow Pty. Ltd.
72: TRUSHIN, Alexander
33: AU 31: 2019903067 32: 2019-08-22
54: SECTION CONTROL SYSTEM
00: -
An assembly to distribute flowable particulate material, the assembly including: a conduit to which the material is delivered and to which an airstream is supplied to move the material along the conduit to a delivery downstream destination; material delivery means connected to the conduit for delivery of material to the downstream destination; control means operatively associated with the material delivery means to selectively deliver a pre-determined rate of the material to a separator to engage the airstream to concentrate the material in a portion of the airstream, the separator being positioned within the conduit upstream of the material delivery means; air distribution means in constant fluid communication with the separator and the material delivery means to control airflow to the material delivery means.

21: 2020/05659. 22: 2020/09/11. 43: 2026/02/11
51: A61K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: MURPHY, Andrew, J., STEVIS, Panayiotis, ALTAREJOS, Judith, GROMADA, Jesper
33: US 31: 62/653,731 32: 2018-04-06
54: A LEPTIN RECEPTOR AGONIST ANTIBODY FOR USE IN TREATING A METABOLIC DYSFUNCTION OR HYPOLEPTINEMIA
00: -
Provided herein are therapeutic methods of treatment using agonist leptin receptor (LEPR) antibodies, antigen-binding fragments thereof, or compositions comprising the LEPR antibodies or antigen-binding fragments thereof. Such therapeutic methods include treatment for conditions related to metabolic dysfunction, including for example, lipodystrophy, adiposity or obesity, reducing body weight, non-alcoholic fatty liver disease, hyperphagia, hyperglycemia, insulin resistance, dyslipidemia, hepatic steatosis, and infertility.

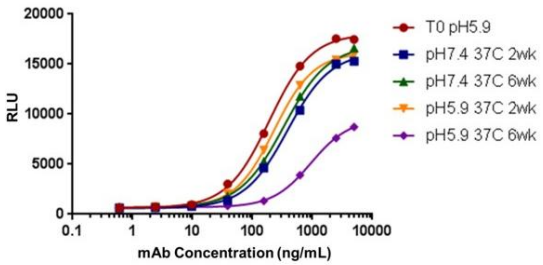
21: 2020/07545. 22: 2020/12/03. 43: 2025/12/02
51: C07C; C08L; C08K
71: Sennics Co., Ltd.
72: GAO, Yang, ZOU, Biao
33: CN 31: 201810619457.9 32: 2018-06-12
54: NOVEL AND LONG-ACTING RUBBER ANTI-DEGRADANT AND RUBBER COMPOSITION COMPRISING THE SAME FOR TIRES
00: -
Novel and long-acting rubber anti-degradant and rubber composition comprising the same for tires. The anti-degradant comprises at least two compounds, each of which is selected from a compound of Formula I, II, III-a, or III-b: and each of the compounds have different formulae from others, and can't be compounds of formula III-a and III-b at the same time when the anti-degradant consists of only 2 compounds. The anti-degradant is used to provide a rubber composition with improved long-term resistance to thermo-oxidative aging and ozone aging.



21: 2020/07573. 22: 2020/12/04. 43: 2025/12/02
51: B65G; F15B
71: Sandvik Mining and Construction G.m.b.H.
72: HASLER, Stefan, UMUNDUM, Christian
54: HYDRAULIC MASTER AND SLAVE DRIVE MOTOR CONTROL SYSTEM
00: -
A hydraulic system to control a plurality of drive motors suitable for driving conveying apparatus such as a conveyor belt. The hydraulic system comprises modular master and slave hydraulic units implemented as hydraulic circuits in which pressure sensors and pressure reducing valves provide speed, torque and directional control.

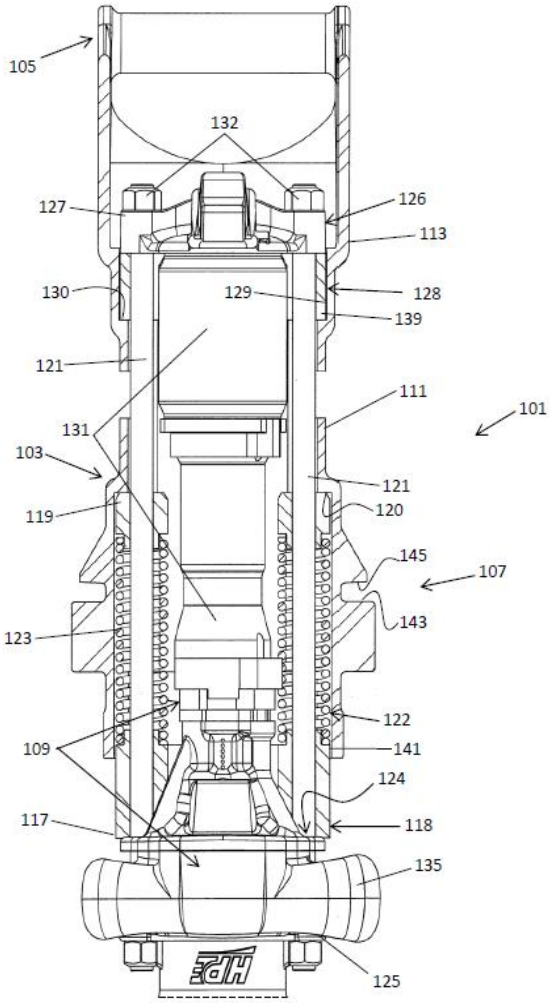


21: 2020/07809. 22: 2020/12/14. 43: 2026/02/04
51: C07K; A61P
71: Gilead Sciences, Inc.
72: BALAKRISHNAN, Mini, CARR, Brian A., HUNG, Magdeleine S., KANWAR, Manu, PACE, Craig S., REHDER, Doug, SCHENAUER, Matthew Robert, SERAFINI, Loredana, STEPHENSON, Heather Theresa, THOMSEN, Nathan D., YU, Helen, ZHANG, Xue
33: US 31: 62/693,642 32: 2018-07-03
33: US 31: 62/810,191 32: 2019-02-25
54: ANTIBODIES THAT TARGET HIV GP120 AND METHODS OF USE
00: -
Antibodies that bind to HIV gp120 and neutralize HIV are disclosed. Also disclosed are methods of using such antibodies alone or in combination with other therapeutic agents to treat or prevent HIV infection.



21: 2020/07974. 22: 2020/12/21. 43: 2025/07/21

51: E21B
71: HYDRO POWER EQUIPMENT (PTY) LTD
72: BÜHRMANN, Rudolph
33: ZA 31: 2019/05451 32: 2019-09-19
54: A ROCK DRILL HOUSING
00: -
The invention relates to a rock drill having a housing provided as a shroud that extends along a body of the rock drill. The housing is fitted with an operator handle and engaged between a slide and a back stop. The slide is located on a guide fixed to the body of the rock drill. The guide extends forwardly from the back stop and the slide is supported for movement along the guide against a resiliently deformable spacer that biases the slide towards the back stop. A pair of tie rods will preferably provide two guides, each with resiliently deformable spacers provided as coil springs.



21: 2021/02695. 22: 2021/04/22. 43: 2025/11/27

51: H04L
71: NOKIA TECHNOLOGIES OY
72: LI, Dong, LIU, Yong, WILDSCHEK, Torsten
54: CONTROL CHANNEL STRUCTURE DESIGN TO SUPPORT V2X TRAFFIC
00: -
There is provided an apparatus, said apparatus comprising means for providing first control information using a first control channel and at least second control information using a second control channel, wherein the first control information comprises at least an indication of resource reservation for an associated data channel and the second control information comprises at least transmission format information for the associated data channel, wherein the associated data channel comprises periodic or aperiodic data traffic.

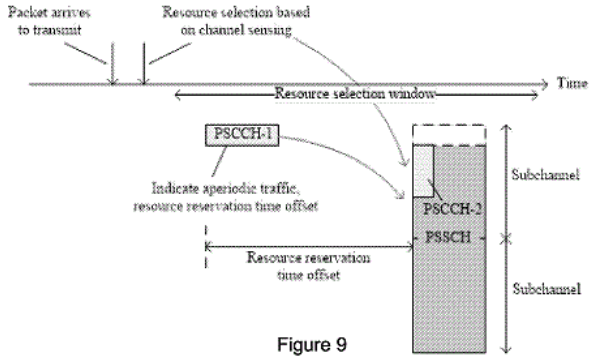


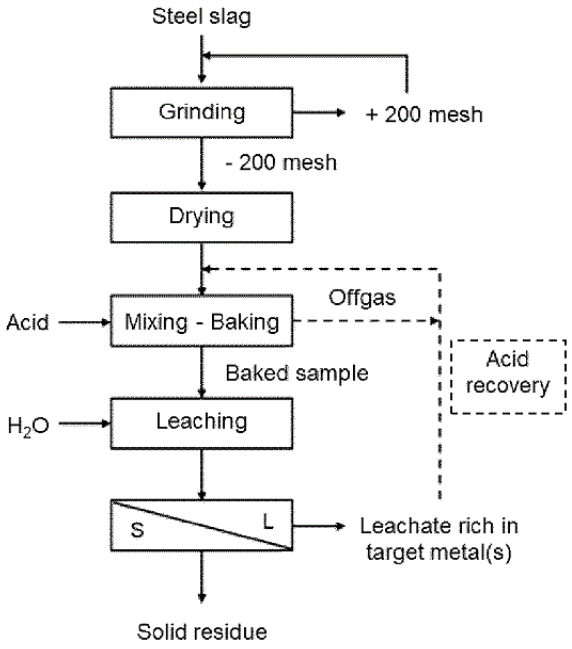
Figure 9

21: 2021/03171. 22: 2021/05/11. 43: 2026/02/02
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 62/792,542 32: 2019-01-15
54: SOIL ANALYSIS COMPOSITIONS AND METHODS
00: -
Compositions for testing soil to measure one or more of the following properties of soil: pH, buffer pH, potassium, phosphorus, calcium, and/or magnesium. Test methods for testing soil to measure one or more of the following properties of soil: pH, buffer pH, potassium, phosphorus, calcium, and/or magnesium. A multichamber cartridge containing two or more of the compositions in separate chambers.

21: 2021/04157. 22: 2021/06/17. 43: 2025/12/05
51: A61K
71: Sumitomo Pharma Co., Ltd.

72: ONITA, Maiko
33: JP 31: 2018-242614 32: 2018-12-26
54: PREPARATION INCLUDING VACCINE ADJUVANT
00: -
Provided is a composition that is useful as a vaccine adjuvant and has excellent storage stability and immunostimulatory activity. Specifically provided is a freeze-dried preparation that has high storage stability, said preparation containing a (4E, 8E, 12E, 16E, 20E)-N-{2-[{4-[(2-amino-4-{[(3S)-1-hydroxyhexane-3-yl]amino}-6-methylpyrimidine-5-yl)methyl]benzyl}(methyl)amino]ethyl}-4,8,12,17,21,25-hexamethylhexacosa-4,8,12,16,20,24-hexaenamide, squalane, a hydrophilic surfactant, and an oleophilic surfactant, and being characterized by containing an ascorbic acid-based antioxidant and an excipient.

21: 2021/08035. 22: 2021/10/20. 43: 2025/11/27
51: C21B; C22B
71: THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, TENOVA GOODFELLOW INC
72: AZAMI, Gisele, KIM, Jihye, SCIPOLO, Vittorio, MALFA, Enrico
33: US 31: 62/824,588 32: 2019-03-27
54: METHODS FOR RECOVERING A TARGET METAL FROM IRON OR STEEL SLAG USING AT LEAST ONE OF A CARBOTHERMIC REDUCTION PROCESS AND A PYRO-HYDROMETALLURGICAL PROCESS
00: -
Pyro-hydrometallurgical methods are described to economically and environmentally recover a target metal from iron slag or steel slag. For instance, the method can enable subjecting an iron or steel slag feed to acid-baking with an acid to produce a dried mixture comprising at least one soluble metal salts, then subjecting the dried mixture to water leaching to an aqueous solution comprising an aqueous leachate rich in said target metal and solid residues and subsequently separating the aqueous leachate rich in said target metal from the solid residues. This acid-baking water-leaching method facilitates efficient recovery of target metal compared to conventional methods.



21: 2021/08306. 22: 2021/10/27. 43: 2025/12/05
51: A61K; C07K; C12N; A61P
71: TARGIMMUNE THERAPEUTICS AG
72: BROKA, Derrick, COLECCHIA, David, D'AMICO, Lucia, KITAS, Eric, LEVITZKI, Alexander, POMBO-VILLAR, Esteban, SHIR, Alexei, ZIGLER, Maya, BAJIC, Davor, JARZEBINSKA, Anita
33: EP 31: 19167141.1 32: 2019-04-03
54: IMMUNOTHERAPY FOR THE TREATMENT OF CANCER
00: -
The present invention relates to a kit-of-parts comprising and a composition comprising a polyplex comprising a double stranded RNA (dsRNA) and a polymeric conjugate comprising a polyethyleneimine (PEI), one or more polyethylene glycol (PEG) moieties and one or more targeting moieties, and wherein each of said one or more targeting moieties is capable of binding to a cancer antigen; and at least one antibody, wherein said at least one antibody is capable of modulating an immune checkpoint protein. Further the invention relates to this composition or kit-of-parts for use in the treatment of cancer.

21: 2021/10876. 22: 2021/12/23. 43: 2025/12/02
51: B29C
71: Moxietec, LLC
72: MINNICH, Jason, BIGGS, Travis J., RHOADES, Alicyn M., DUBIN, Olivia K.

33: US 31: 62/867,516 32: 2019-06-27
54: POLYMER FOAM ARTICLES AND METHODS OF MAKING POLYMER FOAMS
00: -
Molded polymer foam articles are described as having a novel a foam structure. The polymer foam articles include a continuous polymer matrix defining a plurality of pneumatoceles therein which is present throughout the entirety of the article, including in the surface region extending 500 microns beneath the surface of the article. The surface region is further characterized as having compressed pneumatoceles. The novel foam structure is achieved even when molding polymer foam articles comprising a thickness of more than 2 cm, a volume of more than 1000 cm3; or both a volume of more than 1000 cm3 and a thickness of more than 2 cm. Methods of making the molded polymer foam articles are also described.

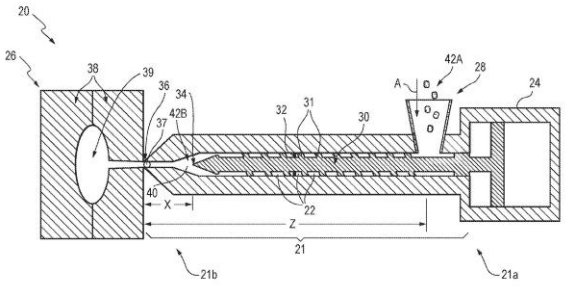


FIG. 1A

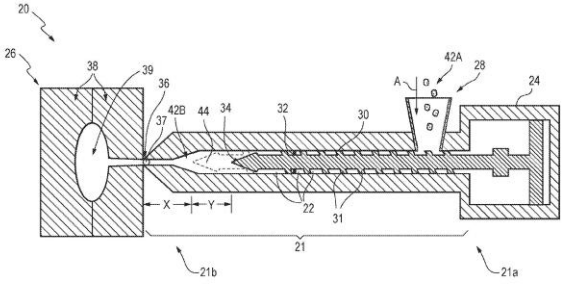
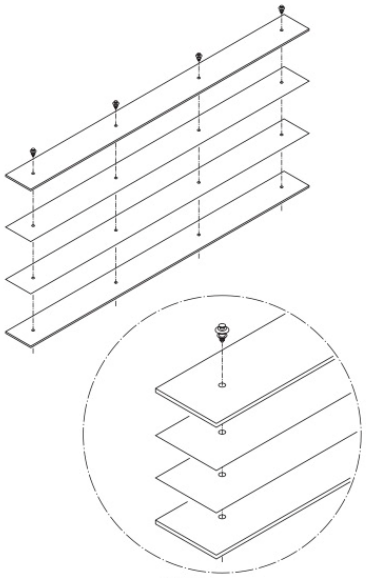


FIG. 1B

21: 2022/03363. 22: 2022/03/22. 43: 2025/12/04
51: A61K
71: GlaxoSmithKline Biologicals SA
72: DEVOS, Nathalie Isabelle, SIJMONS, Steven Clement
33: EP(BE) 31: 19200878.7 32: 2019-10-01
54: IMMUNOGENIC COMPOSITIONS
00: -
The invention relates to bacterial strains, particularly for use in the field of vaccines, in particular to the field of the prevention or treatment of infections caused by bacterium of the Bordetella genus.

21: 2022/05419. 22: 2022/05/17. 43: 2022/11/17
51: E04C
71: THEUNIS JACOBUS NEL
72: THEUNIS JACOBUS NEL
54: A SLIP JOINT
00: -
The invention relates to a slip joint and more particularly to a slip joint which are preassembled to facilitate correct installation.



21: 2022/05545. 22: 2022/05/19. 43: 2025/11/27
51: B01J
71: Rhodia Operations
72: HERNANDEZ, Julien, HARLE, Virginie, YAGLIDERE, Oguzhan, ALLERTON, Andrew D.
33: EP(FR) 31: 19315155.2 32: 2019-11-29
33: EP(FR) 31: 19315154.5 32: 2019-11-29
54: ALUMINA HAVING A SPECIFIC PORE PROFILE
00: -
The present invention relates to an alumina having a specific pore profile and good thermal stability. Said alumina is also characterised by the fact that it has a high bulk density. After calcination in air at 1100°C for 5 hours, the alumina has: - a pore volume, in the pores with a size of between 5 nm and 100 nm, which is between 0.50 and 0.75 mL/g, more particularly between 0.50 and 0.70 mL/g; and a pore volume, in the pores with a size of between 100 nm and 1000 nm, which is less than or equal to 0.20

mL/g, more particularly less than or equal to 0.15 mL/g, or even less than or equal to 0.10 mL/g.

21: 2022/09558. 22: 2022/08/26. 43: 2025/12/02
51: A01H; A01N
71: Sumitomo Chemical Company, Limited
72: LIU, Xiaomeng, DUAN, Xiaonan, WEI, Alice
33: US 31: 62/588,919 32: 2017-11-21
54: LIQUID CLOTHIANIDIN COMPOSITIONS AND METHODS OF THEIR USE
00: -
The present invention is directed to agricultural compositions containing clothianidin, at least one dispersant selected from the group consisting of sodium alkyl naphthalene sulfonate condensate, alkyl polyglycoside and a mixture thereof, an inorganic compound selected from the group consisting of attapulgite, magnesium aluminum silicate, silicon dioxide and aluminum oxide and glycerol. The present invention is further directed to a method of protecting crop plants by mixing a composition containing clothianidin, at least one dispersant selected from the group consisting of sodium alkyl naphthalene sulfonate condensate, alkyl polyglycoside and a mixture thereof, an inorganic compound selected from the group consisting of attapulgite, magnesium aluminum silicate, silicon dioxide and aluminum oxide and glycerol with at least one liquid fertilizer and applying the mixture to the plant, an area where the plant is growing or an area where the plant is intended to grow.

21: 2022/10839. 22: 2022/09/30. 43: 2026/01/26
51: A61K; C07K
71: THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, FORTY SEVEN, LLC
72: MAJETI, RAVINDRA, WEISSMAN, IRVING L., NGUYEN, PHUONG
33: US 31: 63/005,755 32: 2022-04-06
54: ANTIBODY FORMULATION
00: -
Formulations of anti-CD47 antibodies having a pharmacologically acceptable concentration and stable shelf life are provided.

21: 2022/11086. 22: 2022/10/10. 43: 2025/11/28
51: A61K; A61P
71: MONASH UNIVERSITY, MELBOURNE HEALTH
72: WAGSTAFF, Kylie, JANS, David, CALY, Leon
33: AU 31: 2020900778 32: 2020-03-13
33: AU 31: 2020901549 32: 2020-05-14
54: VIRAL INHIBITION
00: -
The technology relates to the use of at least macrocyclic lactone such as ivermectin or moxidectin to inhibit a coronavirus in a subject in order to treat, prevent or reduce the risk of infection by the coronavirus.

21: 2022/12839. 22: 2022/11/25. 43: 2025/12/05
51: A01M; A01N
71: Shin-Etsu Chemical Co., Ltd.
72: SAGUCHI, Ryuichi
33: JP 31: 2021-192044 32: 2021-11-26
54: SUSTAINED-RELEASE PHEROMONE PREPARATION
00: -
Provided is a sustained-release pheromone preparation that can be easily installed and stably retained in an installation location. A sustained-release pheromone preparation 10 is comprised of at least one pheromone substance 3-containing polymer tube with both ends 2 sealed or pheromone substance 3-containing polymer rod, wherein(a) a closed space 6 is formed in a front view by bending in an arc and crossing the polymer tube or polymer rod, and the sustained-release pheromone preparation 10 is not crossed in a side view;(b) a curvature radius R established by bending in an arc and crossing the polymer tube or polymer rod is 4 to 17 mm;(c) a linear distance D from a top point 7 of an arc formed by bending the polymer tube or polymer rod in an arc to a crossover point 5 is 25 to 70 mm; and(d) a repelling force when opening the crossover point 5 to establish a clearance G of 20 mm in the front view is 0.5 N or larger.

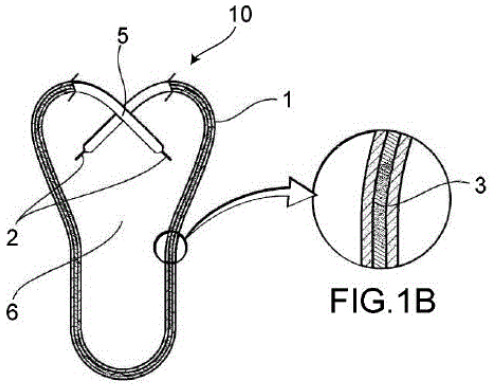


FIG.1A

21: 2022/12840. 22: 2022/11/25. 43: 2025/12/05
51: A01M; A01N
71: Shin-Etsu Chemical Co., Ltd.
72: SAGUCHI, Ryuichi
33: JP 31: 2021-192048 32: 2021-11-26

54: SUSTAINED-RELEASE PHEROMONE PREPARATION

00: -

Provided is a sustained-release pheromone preparation that can be easily installed and stably retained in an installation location. A sustained-release pheromone preparation 10 is comprised of at least one pheromone substance 3-containing polymer tube with both ends 2 sealed or pheromone substance 3-containing polymer rod, wherein(a) at least two closed spaces 7 and an opening portion 6 are formed in a front view by bending in an arc and crossing the polymer tube or polymer rod, and the sustained-release pheromone preparation 10 is not crossed in a side view;(b) a curvature radius R established by bending in an arc and crossing the polymer tube or polymer rod is 4 to 15 mm;(c) a linear distance D from a top point 8 of an arc formed by bending the polymer tube or polymer rod in an arc to a crossover point 5 that is closest to the top point is 10 to 50 mm; and(d) a repelling force when opening the crossover point 5 that is closest to the arc to establish a clearance G of 20 mm in the front view is 1.0 N or larger.

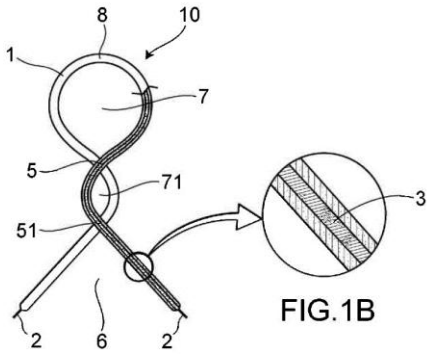


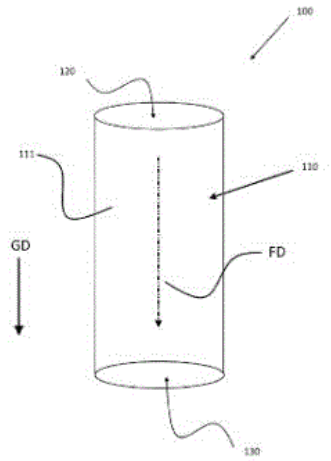
FIG.1A

21: 2023/00363. 22: 2023/01/09. 43: 2026/01/23
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15

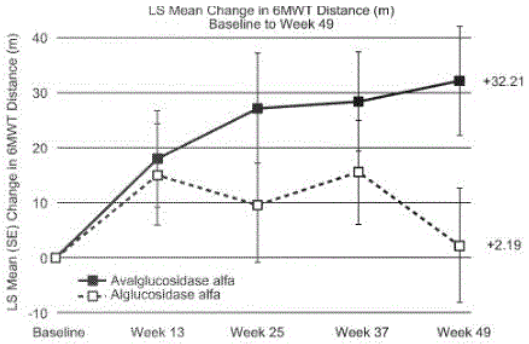
54: SOIL ANALYSIS METHOD

00: -

Described herein is a method of analyzing nutrient content in soil, the method comprising a) obtaining a soil sample, b) adding a liquid to the soil sample to form a soil slurry, c) flowing the soil slurry through a filter, whereby the filter is oriented such that the soil slurry flows downward through the filter at least partially under the effects of gravity, d) blending a reagent composition with the soil slurry to form a soil mixture, and e) measuring an absorbance of the soil mixture.



21: 2023/00544. 22: 2023/01/12. 43: 2026/01/23
51: A61K; A61P
71: GENZYME CORPORATION
72: FINN, Patrick, HAMED, Alaa, AN HAACK, Kristina, WILSON, Catherine
33: US 31: 63/038,857 32: 2020-06-14
33: US 31: 63/076,037 32: 2020-09-09
33: US 31: 63/147,629 32: 2021-02-09
33: US 31: 63/157,490 32: 2021-03-05
54: COMPOSITIONS AND METHODS FOR TREATING LATE-ONSET POMPE DISEASE
00: -
The present application provides methods of treating late-onset Pompe disease (LOPD) using a pharmaceutical composition comprising an oligosaccharide-acid a-glucosidase (GAA) conjugate, such as avalglucosidase alfa.



21: 2023/00545. 22: 2023/01/12. 43: 2026/01/23
51: H01H
71: MASCHINENFABRIK REINHAUSEN GMBH
72: UNTERREINER, Nikolaus, HILTNER, Robert, FELDMEIER, Stefan, MÜNZBERG, Christian, MEYER, Markus
33: DE 31: 10 2020 122 453.2 32: 2020-08-27
54: ON-LOAD TAP CHANGER MODULE
00: -
Described is an on-load tap changer module (1) for an on-load tap changer (9), comprising: - a support (2), - a load transfer switch (20) having a vacuum interrupter (21) and a bridge switch (25), - a selector (10), - a preselector (40), - a drive module (30), wherein: - the load transfer switch (20), the selector (10) and the preselector (40) are actuated centrally by the drive module (30).

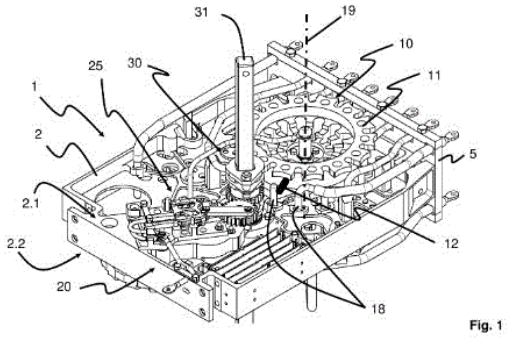
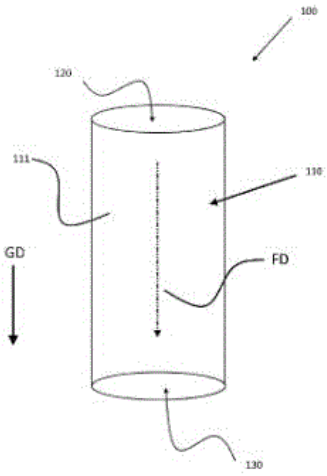
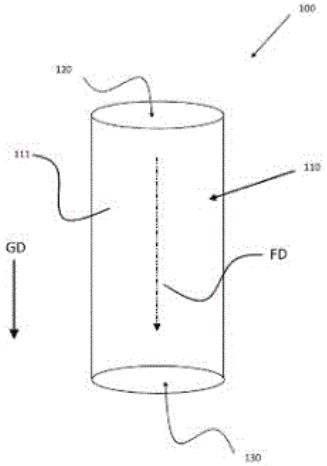


Fig. 1

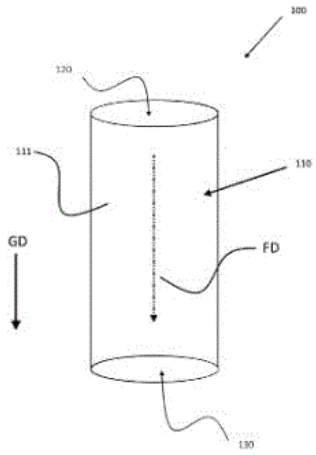
21: 2023/00665. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS METHODS
00: -
Described herein is a method of analyzing nutrient content in soil, the method comprising a) obtaining a soil sample, b) adding a liquid to the soil sample to form a soil slurry, c) flowing the soil slurry through a filter, whereby the filter is oriented such that the soil slurry flows downward through the filter at least partially under the effects of gravity, d) blending a reagent composition with the soil slurry to form a soil mixture, and e) measuring an absorbance of the soil mixture.



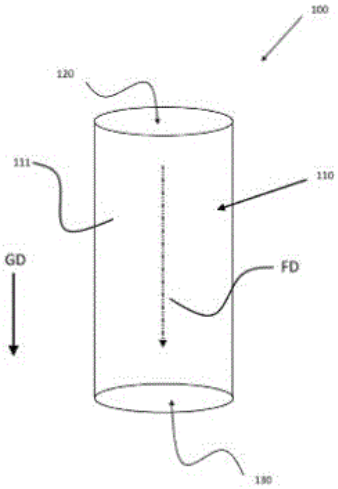
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51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS COMPOSITIONS AND METHODS
00: -
Described herein is a method of analyzing nutrient content in soil, the method comprising a) obtaining a soil sample, b) adding a liquid to the soil sample to form a soil slurry, c) flowing the soil slurry through a filter, whereby the filter is oriented such that the soil slurry flows downward through the filter at least partially under the effects of gravity, d) blending a reagent composition with the soil slurry to form a soil mixture, and e) measuring an absorbance of the soil mixture.



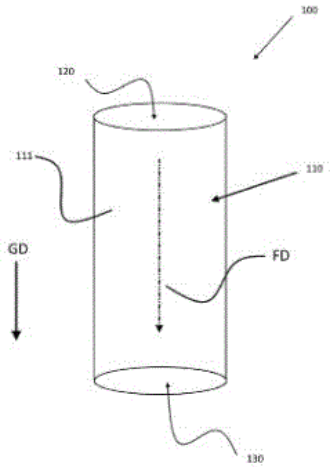
21: 2023/00667. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS COMPOSITIONS AND METHODS
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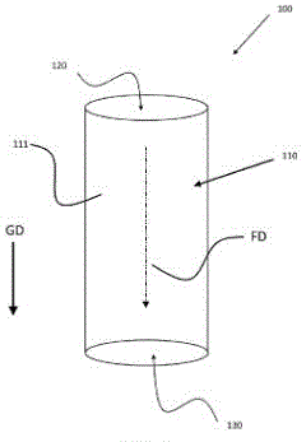
21: 2023/00668. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS METHODS
00: -
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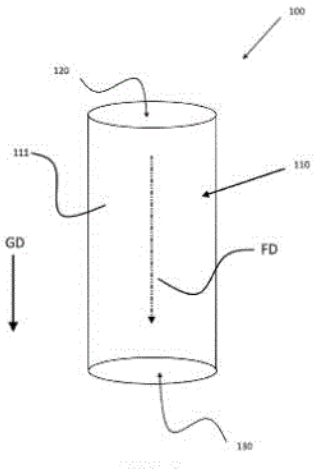
21: 2023/00669. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS COMPOSITIONS AND METHODS
00: -
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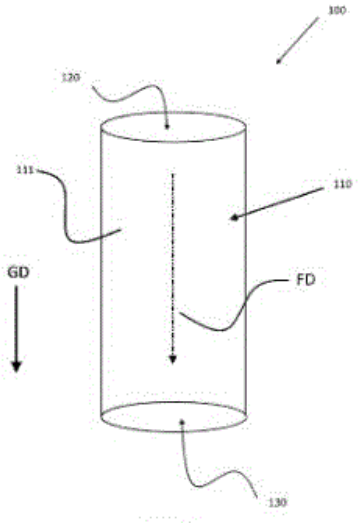
21: 2023/00670. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS METHODS
00: -
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21: 2023/00671. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS COMPOSITIONS AND METHODS
00: -
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21: 2023/00672. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS METHOD
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21: 2023/00673. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
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33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS METHOD
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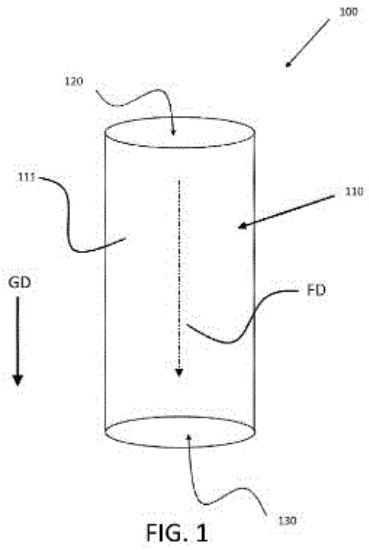
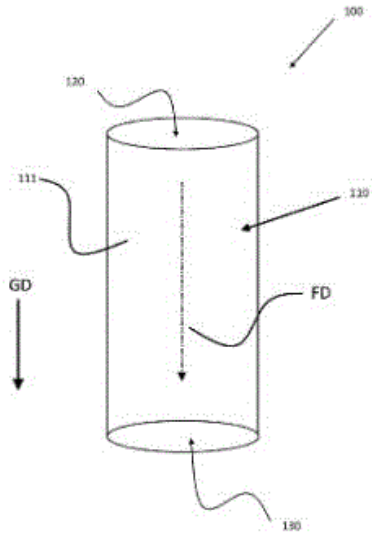


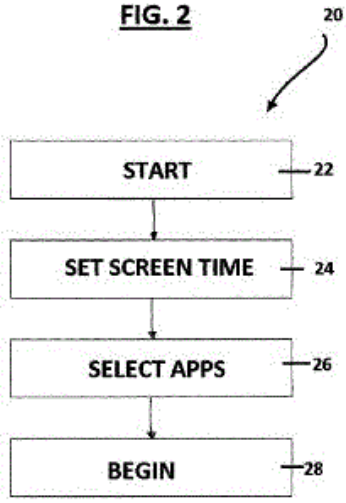
FIG. 1

21: 2023/00674. 22: 2023/01/16. 43: 2026/01/22
51: G01N
71: PRECISION PLANTING LLC
72: PETROSKI, Richard, NELSON, Rachel
33: US 31: 63/052,070 32: 2020-07-15
33: US 31: 63/052,334 32: 2020-07-15
33: US 31: 63/052,341 32: 2020-07-15
33: US 31: 63/052,345 32: 2020-07-15
33: US 31: 63/052,356 32: 2020-07-15
33: US 31: 63/052,395 32: 2020-07-15
54: SOIL ANALYSIS COMPOSITIONS AND METHODS
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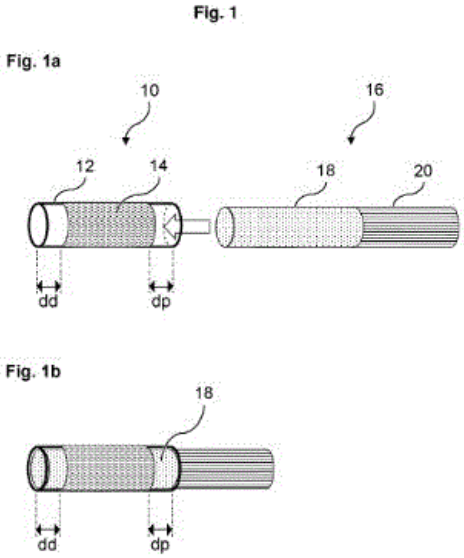


21: 2023/00758. 22: 2023/01/17. 43: 2026/01/22
51: G06F; H04M
71: CARTER, Ashley
72: CARTER, Ashley
33: AU 31: 2020902289 32: 2020-07-03
54: SYSTEM AND METHOD FOR CONTROLLING AMOUNT OF SCREEN TIME OF AN INDIVIDUAL
00: -
A method of controlling access by a user to an electronic device, comprising: identifying one or more software applications accessible on the electronic device to which access by the user is to be limited; setting an allowable time period for the user to access the identified one or more software applications; monitoring a use time for the user accessing the identified one or more software applications; determining when the use time of the user accessing the identified one or more software applications exceeds the allowable time period for accessing the identified one or more software applications; alerting the user that their use time for accessing the identified one or more software applications is to exceed the allowable use time for that user to access the identified one or more software applications and suspending access by the user to the identified one or more software applications on the electronic device; enabling the user to request an extension to the allowable time period to access the identified one or more software applications; providing the user with a task to perform in response to the request for an extension to the allowable time period; assessing the

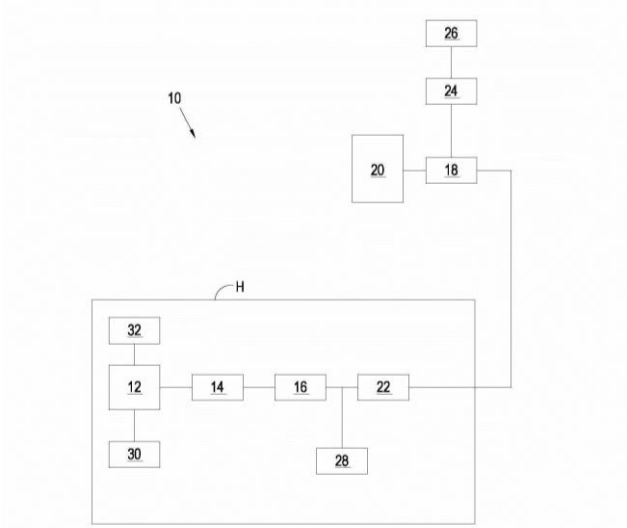
performance of the user in said task; and upon successful completion of said task, extending the allowable time period for the user to access the identified one or more software applications.



21: 2023/00914. 22: 2023/01/20. 43: 2026/02/02
51: A24D; A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: BESSANT, Michel, JARRIAULT, Marine, LAVANCHY, Frédéric, PANTEA, Silviu, Natanael, PIJNENBURG, Johannes, Petrus, Maria, YIM, Jun, Wei, ISCHI, Gregori
33: EP 31: 20204491.3 32: 2020-10-28
54: AEROSOL-GENERATING DEVICE WITH HEATER WITH COLD ZONE
00: -
The invention relates to a heater assembly for an aerosol-generating device. The heater assembly comprises an elongate heating chamber for heating an aerosol-forming substrate. The heater assembly further comprises a heating element arranged around the heating chamber. The heating chamber has a first length and the heating element has a second length. The length of the heating chamber is greater than the length of the heating element, such that there is a proximal distance between a proximal end of the heating chamber and a proximal end of the heating element. The invention further relates to an aerosol-generating device comprising the heater assembly and to an aerosol-generating system comprising the aerosol-generating device and an aerosol-forming substrate.

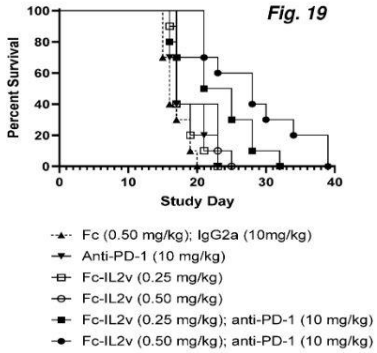


21: 2023/01419. 22: 2023/02/03. 43: 2025/12/10
51: A61M
71: Nelson Mandela University
72: PHILLIPS, Russell, CAWOOD, John Henry
33: GB 31: 2115876.1 32: 2021-11-04
54: A RESPIRATORY ASSISTANCE APPARATUS, AND VALVES FOR RESPIRATORY ASSISTANCE APPARATUSES
00: -
This invention relates to a respiratory assistance apparatus comprising: a blower; a pressure limiting valve (PLV) configured to regulate pressure of air flowing therethrough; a flow limiting valve (FLV) in flow communication with the PLV, wherein the FLV is configured to regulate flow of air therethrough in proportion to a pressure of air received from the PLV; and a shuttle aspiration valve (SAV) in flow communication with the FLV and a suitable user interface device that is configured to sealingly engage with a face of the user so as to cover their nose and mouth, wherein the SAV is configured to be operated between an inhalation configuration and an exhalation configuration to facilitate providing BiPAP ventilation to a user.

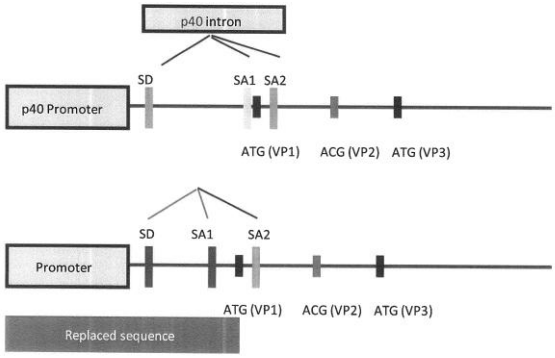


21: 2023/03273. 22: 2023/03/02. 43: 2025/12/05
51: A61K; A61P
71: Chemo Research, S.L.
72: COLLI, Enrico
33: EP(ES) 31: 20382753.0 32: 2020-08-14
54: NEW MODIFIED RELEASE ORAL CONTRACEPTIVE COMPOSITION
00: -
The invention relates to a new modified release oral pharmaceutical form comprising 17a- cyanomethyl-17-ß-hydroxyestra-4,9-dien-3-one (dienogest) and 17aa-ethinylestradiol (ethynyl estradiol), its method of production and its medical and non-medical uses, in particular its use in contraception.

21: 2023/03901. 22: 2023/03/28. 43: 2026/02/04
51: C07K
71: GILEAD SCIENCES, INC.
72: BACA, MANUEL, GILMORE, SARAH A., HUNG, MAGDELEINE S., JAVANBAKHT, HASSAN, KANWAR, MANU, KHAN, SHAHZADA, MUKHERJEE, PRASENJIT K., NAGEL, MARK R., PAPALIA, GIUSEPPE, TAM, DANNY W., THOMAS, MAJLINDA K.
33: US 31: 63/104,376 32: 2020-10-20
33: US 31: 63/181,075 32: 2021-04-28
54: INTERLEUKIN-2-FC FUSION PROTEINS AND METHODS OF USE
00: -
Provided are serum half-life extended-IL-2 variant (IL-2v) heterodimers having reduced binding to the IL2Ra (CD25) subunit. In particular, Fc-IL-2v heterodimers are provided and methods for making and using, e.g. for enhancing an immune response, e.g. in the prevention and treatment of viral infections and cancer.

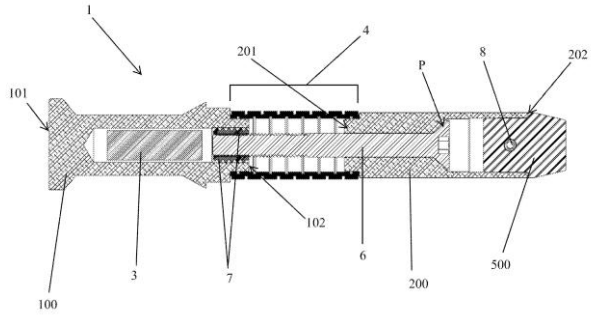


21: 2023/05117. 22: 2023/05/09. 43: 2025/11/28
51: C12N
71: CEVEC PHARMACEUTICALS GMBH
72: HEIN, Kerstin, DO CARMO GIL GONCALVES, Ines, WISSING, Silke; Steinweg, HUDJETZ, Ben
33: EP 31: 20215905.9 32: 2020-12-21
54: PRODUCER CELL HAVING LOW LEVELS OF VA-RNA
00: -
The present invention relates to host cells comprising a nucleic acid encoding an Adeno-associated virus (AAV) capsid protein, wherein the protein kinase R (PKR) activating sequence surrounding the start codon of AAV capsid protein VP1 is inactivated, while maintaining functional expression of the AAV capsid proteins VP1, VP2, and VP3. The present invention further relates to methods for the production of Adeno-associated virus (AAV), comprising the step of expressing said AAV in the host cells of the present invention.

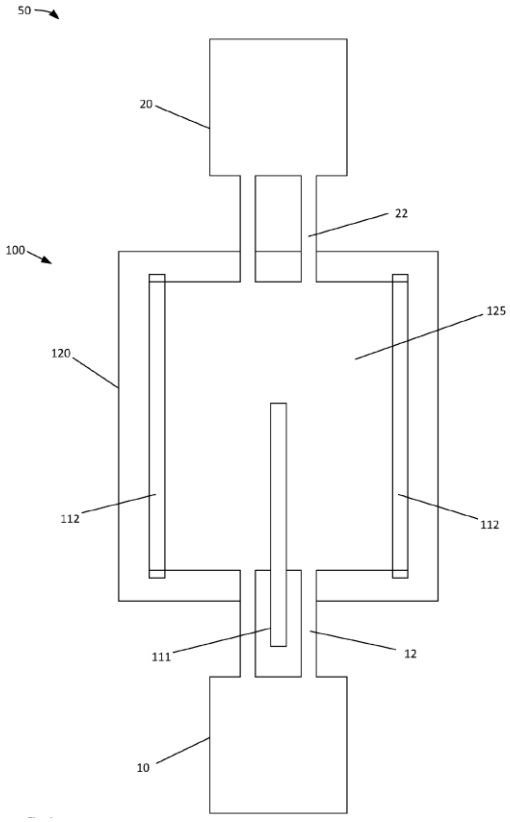


21: 2023/05820. 22: 2023/05/30. 43: 2026/01/06
51: F16F; F41A; F41C

71: HILL, Robert Duane
72: HILL, Robert Duane
33: US 31: 63/116,307 32: 2020-11-20
54: IMPROVED RECOIL REDUCTION SYSTEM
00: -
An improved recoil reduction system comprises a forward body, a friction spring, a rear body, a bolt, and, optionally, a bumper. When in forward battery, the said friction spring is compressed to a preloaded operating point by the bolt. In embodiments, when a weapon equipped with the improved recoil reduction system is fired, the front body is impacted by the bolt carrier group of the weapon and the rear body moves aft and strikes the rear of the shoulder stock of the weapon, compressing the friction spring. During compression, the tapered mating surfaces of the friction spring generate friction and thereby dissipate the energy generated from firing the weapon in the form of heat, thus reducing the felt recoil of the weapon.

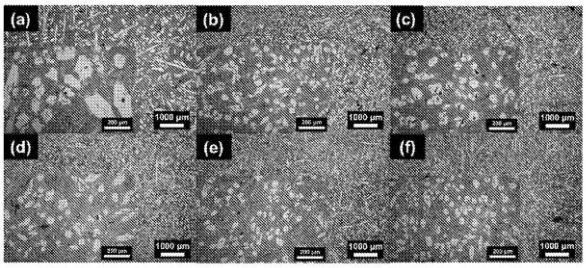


21: 2023/05969. 22: 2023/06/05. 43: 2026/02/13
51: F22B
71: BIACO LIMITED
72: ATKINS, Andrew, COLES, Raymond, DYE, Bob, KEY, Christopher, MALIZIA, Barry, WRIGHT, Robert
33: GB 31: 2102818.8 32: 2021-02-26
54: HEATING SYSTEMS AND METHODS
00: -
A heating system comprising: a liquid supply system; a cell configured to: receive liquid from the liquid supply system, provide heating thereof, and output heated fluid; a work extraction system configured to extract useable work from heated fluid output from the cell; wherein the cell comprises: (i) a housing arranged to define an internal portion for receiving liquid to be heated, and (ii) a plurality of electrodes configured to apply electrical energy to fluid in the internal portion; and wherein the electrodes are configured to apply electrical energy to said fluid in the internal portion to generate one or more bubbles of plasma for releasing energy into said fluid in the internal portion and the housing to provide heating of the fluid in the internal portion.

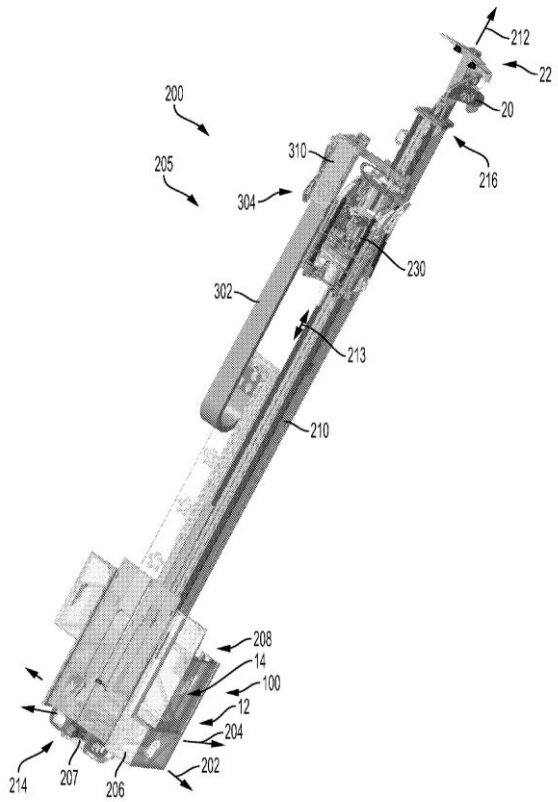


21: 2023/06404. 22: 2023/06/20. 43: 2026/02/03
51: C22C
71: Weir Minerals Australia Ltd
72: ZHANG, Mingxing, CHANG, Haiwei, JAIN, Abhishek, TANG, Xinhu
33: AU 31: 2021900053 32: 2021-01-12
54: PRIMARY CARBIDE REFINEMENT IN HYPEREUTECTIC HIGH CHROMIUM CAST IRONS
00: -
The invention relates to a process for manufacturing a casting of a hypereutectic high chromium cast iron ("HCCI") including: forming a melt of a molten hypereutectic high chromium cast iron and a carbide modifier, and forming a solid casting of the hypereutectic high chromium cast iron. The invention further relates to a carbide-modified hypereutectic high chromium cast iron ("HCCI") that includes a dispersion of a primary carbide phase in a ferrous matrix, with the primary carbide phase including a carbide modifier phase within the primary carbide

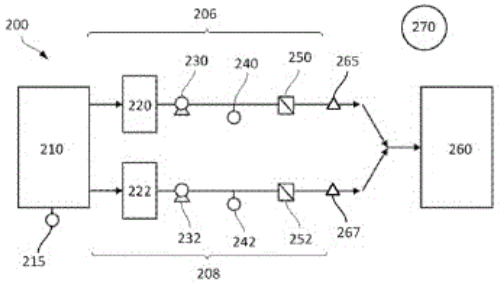
phase that acted as a nucleation agent for the primary carbide phase.



21: 2023/07869. 22: 2023/08/11. 43: 2026/01/13
51: E21B
71: BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
72: KRUSE, Christof, UPMEIER, Thorsten, PRINCE, Shaun Niel
33: US 31: 63/159,241 32: 2021-03-10
54: DEVICES, SYSTEMS, AND METHODS FOR RETRIEVING INNER TUBES
00: -
Devices, systems, and methods for retrieving inner tubes following core sampling are disclosed. Exemplary systems include a drill rig having a drilling axis. The drill rig can have a mast having a longitudinal axis and opposed first and second ends, the first end of the mast being configured for positioning proximate a drilling formation. A drill head can be configured to impart rotation to a drill string. The drill head can be configured for movement about and between a first position in which the drilling axis extends through the drill head; and a second position in which drill head is spaced from the drilling axis.



21: 2023/07938. 22: 2023/08/16. 43: 2026/01/23
51: C12M
71: GENZYME CORPORATION
72: WANG, Jonathan, WALTHER, Jason, LU, Jiuyi, CHEN, Kevin, Victor
33: US 31: 62/667,319 32: 2018-05-04
54: PERFUSION BIOREACTOR WITH FILTRATION SYSTEMS
00: -
The disclosure provides a filtration system for a cell culture apparatus and a method of cell culture. The filtration system comprises a bioreactor vessel and two or more alternating tangential flow (ATF) filters connected in parallel. A failure m either filter is detected by an in-line sensor, and an automated response system functions to sequester the malfunctioning filter by stopping the flow of liquid media through the filter. Media flow through the remaining operable filters can be increased so that the rate of perfusion through the bioreactor remains relatively unchanged. Such a system may prevent issues that arise from ATF filter failures in conventional perfusion bioreactors, thereby improving the long-term viability of cell cultures.

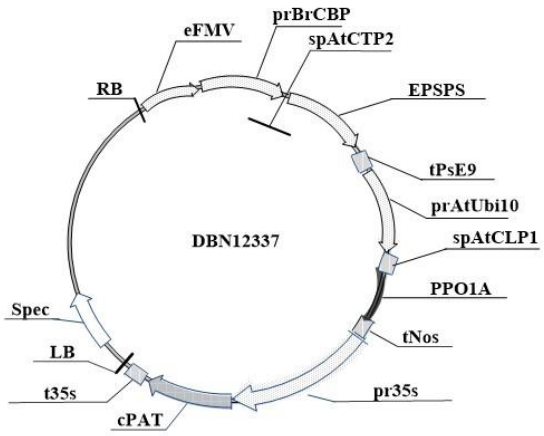


21: 2023/07947. 22: 2023/08/16. 43: 2026/01/23
51: A01H; C12N
71: BEIJING DABEINONG BIOTECHNOLOGY CO., LTD.
72: XIAO, Xiang, SONG, Qingfang, TAO, Qing, YU, Caihong, BAO, Xiaoming
33: CN 31: 202110514749.8 32: 2021-05-12

54: USE OF PROTOPORPHYRINOGEN OXIDASE

00: -

The present invention relates to the use of a protoporphyrinogen oxidase. A method for controlling weeds comprises applying a herbicide containing an effective dose of a PPO inhibitor to a field in which at least one transgenic plant is present, wherein the transgenic plant comprises, in the genome thereof, a polynucleotide sequence encoding protoporphyrinogen oxidase, and the transgenic plant has reduced plant damage and/or has an increased plant yield compared with other plants that do not have a polynucleotide sequence encoding protoporphyrinogen oxidase. The protoporphyrinogen oxidase PPO1-PPO14 of the present invention has a high tolerance to a PPO inhibitor herbicide. In addition, the plants containing the polynucleotide sequence encoding protoporphyrinogen oxidase have a strong tolerance to the PPO-inhibitor herbicide, and show high-resistance tolerance to almost all of 4-fold field concentration of oxyfluorfen, saflufenacil and flumioxazin and 2-fold field concentration of sulfentrazone. Therefore, the protoporphyrinogen oxidase has broad application prospects in plants.

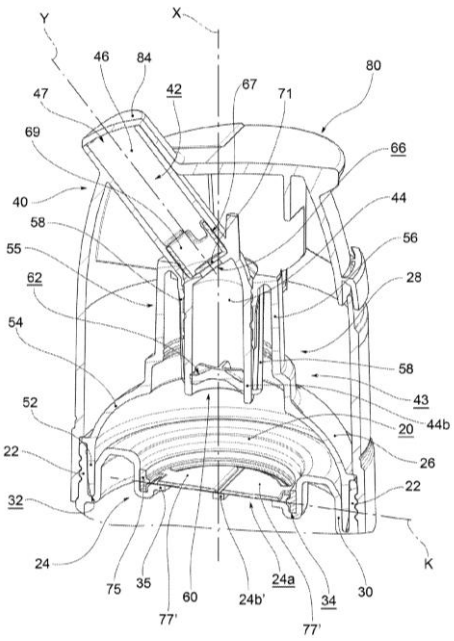


21: 2023/07966. 22: 2023/08/16. 43: 2026/01/23
51: B05B
71: GUALA DISPENSING S.P.A.
72: PIGAZZI, Alessandro
33: IT 31: 102021000007847 32: 2021-03-30

54: A TRIGGER-TYPE DISPENSING HEAD FOR A DISPENSING DEVICE FOR PASTY PRODUCTS SUCH AS TOOTHPASTES

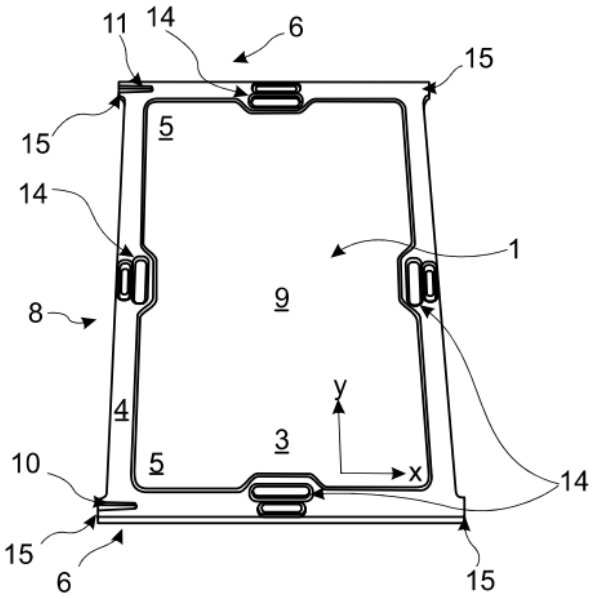
00: -

A dispenser (1) for pasty products such as toothpastes comprises a fixed head (40) having a dispensing duct (42) dispensing the product, a pump (28) with an elastically deformable cap (54), a manually-actuated actuator (80), a separating wall (24) with a suction inlet (24a), and a suction valve that cooperates with the delivery outlet (24a). The suction valve comprises a valve body (73) and a plurality of tabs (77', 77") that bend and open the suction inlet (24a) in the product suction phase, and close the suction inlet (24a) in the product dispensing phase.

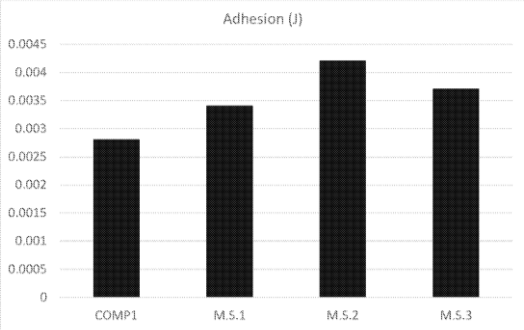


21: 2023/08032. 22: 2023/08/18. 43: 2026/01/13
51: C07K; C12N
71: PAIRWISE PLANTS SERVICES, INC.
72: MILLER, Marisa, MOJICA, Julius, KIM, HaeJin
33: US 31: 63/153,473 32: 2021-02-25
54: METHODS AND COMPOSITIONS FOR MODIFYING ROOT ARCHITECTURE IN PLANTS
00: -
This invention relates to compositions and methods for modifying root architecture in a plant through modification of endogenous DEEPER ROOTING 1 (DRO1) nucleic acids. The invention further relates to plants produced using the methods and compositions of the invention.

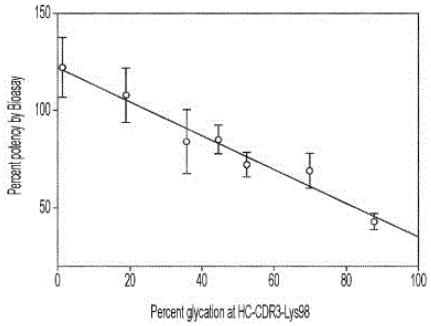
21: 2023/08162. 22: 2023/08/23. 43: 2026/01/15
51: B65D
71: CHEP TECHNOLOGY PTY LIMITED
72: URAN, Daniel Lopez, ASENSIO COTILLAS, Luis
33: GB 31: 2102413.8 32: 2021-02-20
54: REMOVABLE SHELF FOR RIGID CONTAINERS FOR DRY GOODS
00: -
There is disclosed a removable shelf (1) for rigid containers (100) for transporting dry goods, the removable shelf (1) comprising at least one shelf locator (10, 11) usable such that the removable shelf (1) can be attached face-to-face to a wall (101) of the containers (100), or to an intermediate removable shelf (2) attached to said wall (101). In this way, one or more removable shelves (1) can be attached to the wall of a container (100). This is particularly advantageous in the case of collapsible containers (100), whereby the removable shelves (1) can thus be neatly retained and stacked within the collapsed containers (100).



21: 2023/08371. 22: 2023/08/30. 43: 2026/01/23
51: A23J
71: COÖPERATIE KONINKLIJKE AVEBE U.A.
72: STANIŠIC, Nikola, CHEN, Zhenghong, THÜRKOW, Roelfina Willemina Antonia, BHASKARAN, Vani
33: EP 31: 21160302.2 32: 2021-03-02
54: PATATIN-EMULSIFIED BINDER
00: -
The invention provides a method for preparing a meat substitute, comprising a) preparing a binding emulsion comprising water, a lipid, and a binder comprising native patatin; b) combining the binding emulsion with a denatured protein and optional ingredients; and c) shaping the meat substitute, and a meat substitute obtained using the said method. It has been found that by following the present method, meat substitutes with increased adhesion and hardness can be obtained.



21: 2023/08818. 22: 2023/09/18. 43: 2026/01/22
51: G01N
71: REGENERON PHARMACEUTICALS, INC.
72: QIU, Haibo, XU, Xiaobin, KAMEN, Douglas, YANG, Teng-Chieh, GRAHAM, Kenneth
33: US 31: 63/170,330 32: 2021-04-02
54: METHODS FOR PREDICTING AND MODULATING GLYCATION OF A PROTEIN
00: -
Embodiments provide for methods of predicting glycation percentage of an amino acid in a therapeutic biomolecule. In one example, a method of predicting a glycation percentage of an amino acid in a biomolecule includes determining a first set of rates for a de-glycation reaction for a first set of temperatures, inferring a second set of one or more rate(s) for the de- glycation reaction for a second set of temperatures, and using the second set of one or more rate(s) to predict the glycation percentage at any temperature corresponding to the second set of temperatures and over any time duration. Also provided are methods for maintaining a glycation percentage of an amino acid within a predetermined glycation percentage range over a shelf-life of a therapeutic biomolecule, and methods for either reducing or increasing a potency of a therapeutic biomolecule in a subject at a time of administration.



21: 2023/08835. 22: 2023/09/18. 43: 2026/01/22
51: C08B; C08L
71: FUTAMURA CHEMICAL UK LTD
72: COCKROFT, Martin Richard, FISHER, Luke
33: GB 31: 2104273.4 32: 2021-03-26
54: DISSOLUTION METHOD
00: -
The present invention provides a method for creating a solution comprising one or more polysaccharide materials dissolved in an alkali, including the step of subjecting a mixture comprising the one or more polysaccharide materials and the alkali to high-pressure homogenisation.

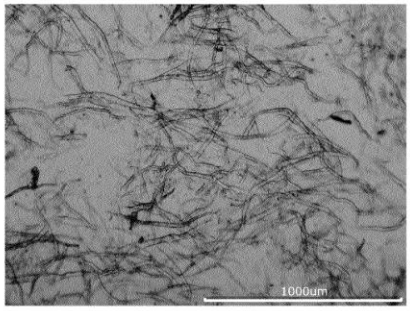


FIGURE 1A

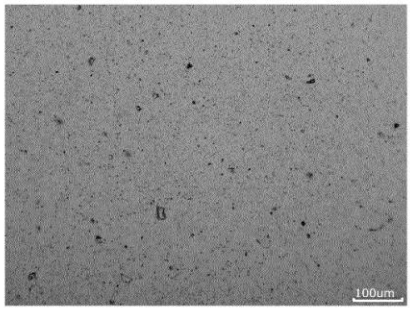
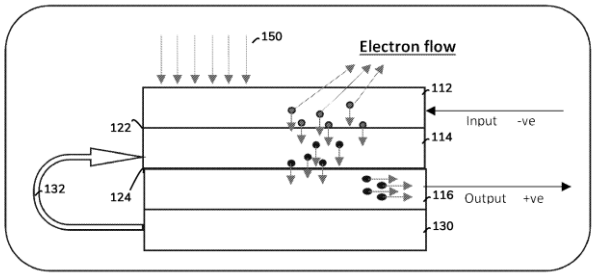


FIGURE 1B

21: 2023/09061. 22: 2023/09/26. 43: 2025/11/28
51: H01L
71: SRI SATYA ACQUISITIONS LLC
72: PRADHAN, Thomas, NOOTIGATTU, Satyanarayana, PASPULLA, Srinivas
33: US 31: 17/186,337 32: 2021-02-26
54: SOLAR ELECTRICITY GENERATION SYSTEM AND METHOD
00: -
A solar electricity generation system is provided for generating electrical current from an improved solar system. The solar electricity generation system may include semiconductor layers, a thermoelectric component, angular configuration, and a monitoring component. A bias current may be applied to amplify the electrical power generated by the semiconductor layers. A method for generating electrical current

from an improved solar system using the solar electricity generation system is also provided.



21: 2023/09136. 22: 2023/09/28. 43: 2026/01/29
51: G06Q
71: MOSITO, Lehlohonolo Pius
72: MOSITO, Lehlohonolo Pius
33: ZA 31: 2022/07130 32: 2022-06-28

54: A SYSTEM AND METHOD FOR MANAGING PROVISION OF GOODS AND SERVICES TO MEMBERS OF SAID SYSTEM

00: -

The invention provides for a system for managing provision of goods and/or services to members of the system. A management module hosted on a server receives, stores and/or updates membership details, details on monetary values received from the member and the provision of goods and/or services relating to said members on a database. An electronic device, in communication with the management module over a mobile network, allows the member to select desired goods and/or services to be provided to the member. Once the goods/services are selected, the system determines and/or adjusts the monetary values for the selected goods and/or services based on the number of members on the system, the monetary values received from members, and/or the timing of said provision of the goods and/or services.

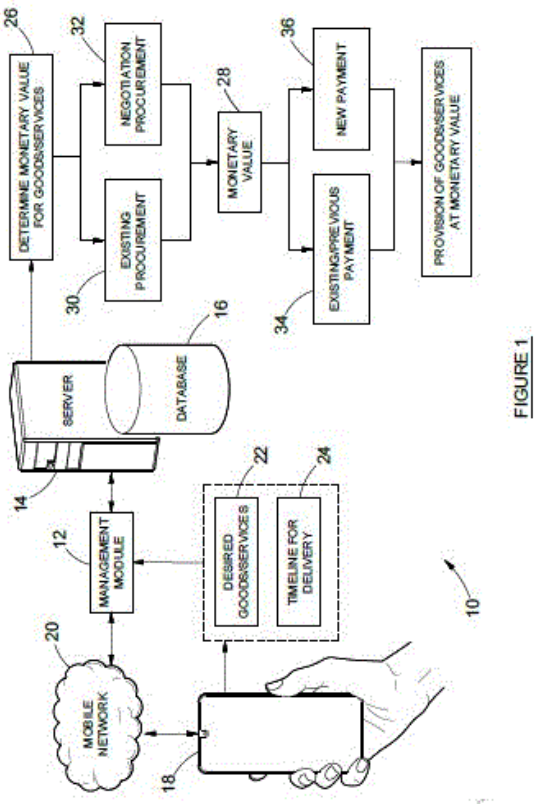


FIGURE 1

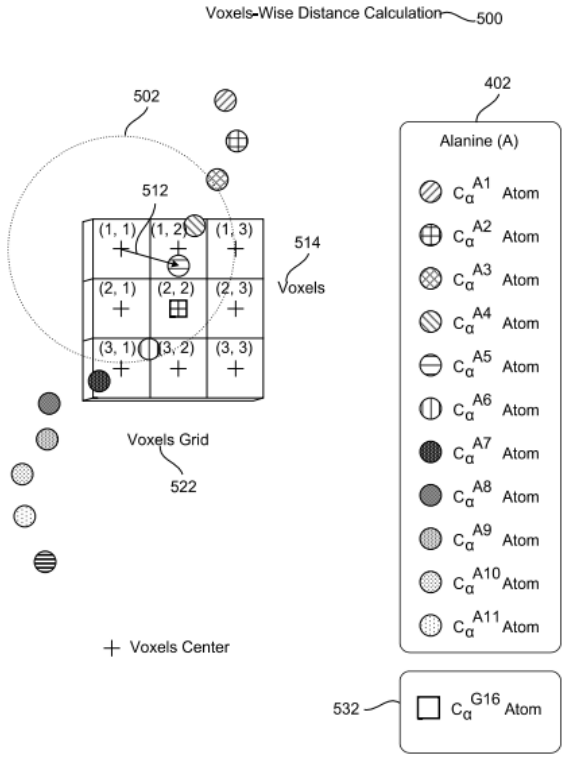
21: 2023/09177. 22: 2023/09/29. 43: 2026/01/29
51: G16B
71: ILLUMINA, INC., ILLUMINA CAMBRIDGE LIMITED
72: HAMP, Tobias, GAO, Hong, FARH, Kai-How
33: US 31: 17/232,056 32: 2021-04-15
33: US 31: 63/175,495 32: 2021-04-15
33: US 31: 63/175,767 32: 2021-04-16
33: US 31: 17/468,411 32: 2021-09-07
33: US 31: 17/703,935 32: 2022-03-24
33: US 31: 17/703,958 32: 2022-03-24

54: DEEP CONVOLUTIONAL NEURAL NETWORKS TO PREDICT VARIANT PATHOGENICITY USING THREE-DIMENSIONAL (3D) PROTEIN STRUCTURES

00: -

The technology disclosed relates to determining pathogenicity of variants. In particular, the technology disclosed relates to generating amino acid-wise distance channels for a plurality of amino acids in a protein. Each of the amino acid-wise distance channels has voxel-wise distance values for voxels in a plurality of voxels. A tensor includes the amino acid-wise distance channels and at least an alternative allele of the protein expressed by a variant. A deep convolutional neural network determines a pathogenicity of the variant based at

least in part on processing the tensor. The technology disclosed further augments the tensor with supplemental information like a reference allele of the protein, evolutionary conservation data about the protein, annotation data about the protein, and structure confidence data about the protein.



21: 2023/09212. 22: 2023/10/02. 43: 2025/12/05
51: F27B; F27D
71: GREYLING, Ruan, GREYLING, Frederik Petrus
72: GREYLING, Ruan, GREYLING, Frederik Petrus
33: NL 31: 2033395 32: 2022-10-25

54: FURNACE WITH STRAY-ARC PROTECTION SYSTEM AND METHOD

00: -

A furnace 12 comprises a protection system 10 against stray arcs in predetermined zones 44, 46 externally of a shell of the furnace. The system comprises an electromagnetic signal imaging device 50 mounted and configured to generate data relating to electromagnetic emissions in the predetermined zones. A controller 52 comprising a processor 54 executing a program is connected to the imaging device 50 to receive the generated data. At least one of the imaging device 50 and the program is configured to mask in data from the zone of interest 46 only, and to mask out or discriminate against data from adjacent regions 48. The processor is configured to: process the generated data into intensity data; compare the intensity data to experimentally or empirically predetermined threshold intensity data which is indicative of a stary-arc forming in the zone; and to generate an output when the intensity data exceeds the threshold intensity data.

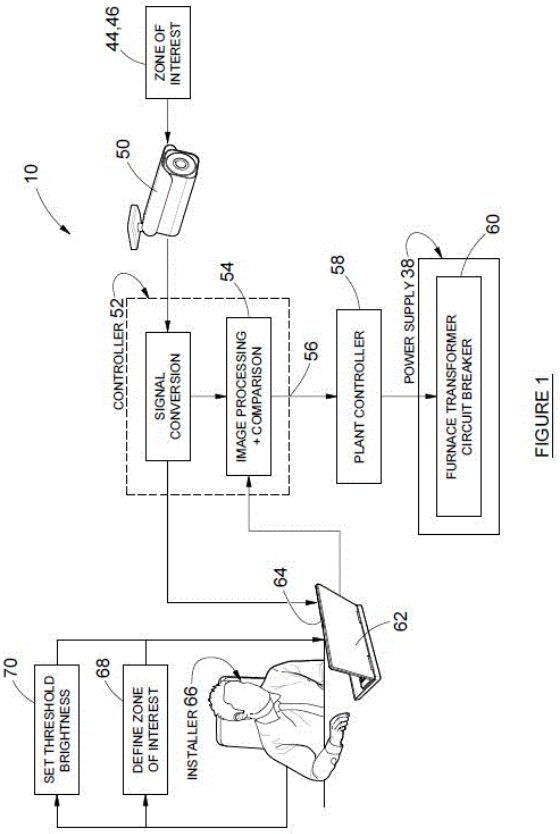


FIGURE 1

21: 2023/09263. 22: 2023/10/03. 43: 2026/01/29
51: A61K; C07K; A61P
71: LONGHORN VACCINES AND DIAGNOSTICS, LLC
72: DAUM, Luke T., FISCHER, Gerald W.
33: US 31: 63/156,645 32: 2021-03-04
33: US 31: 63/246,580 32: 2021-09-21

54: VACCINES FOR THE TREATMENT AND PREVENTION OF ZOONOTIC INFECTIONS

00: -

The invention relates to compositions comprising a nucleic acid that encodes a peptide or a peptide that induces an immune response in an animal or a mammal that is protective against infection by one or more pathogens. In addition, the invention relates to vaccines comprising compositions and to method for

treating and preventing an infection in animals and mammals such as humans.

21: 2023/09429. 22: 2023/10/09. 43: 2025/11/28
51: C10G; F01K; F22B
71: LINDE GMBH
72: ZELLHUBER, Dr. Mathieu, HÖRENZ, Michael, BRUDER, David, HOFSTÄTTER, Martin
33: EP 31: 21161780.8 32: 2021-03-10
54: METHOD AND SYSTEM FOR STEAMCRACKING
00: -
A method of steam cracking using a steam cracking arrangement (2100-2800) including an electric cracking furnace (10) without a convection zone (12) and further including a quench cooling train (20) is proposed, wherein a process gas stream is passed at least through the electric cracking furnace (10) and the quench cooling train (20). It is provided that that the quench cooling train (20) is operated to comprise at least two distinct cooling steps arranged in either order, wherein in a first one of the cooling steps at least a part of the process gas stream withdrawn from the electric cracking furnace (10) is cooled against vaporizing boiler feed water at an absolute pressure level between 30 and 175 bar and wherein in a second one of the cooling steps at least a part of the process gas stream withdrawn from the electric cracking furnace (10) is cooled against a superheated mixture of feed hydrocarbons and process steam used in forming the process gas stream which is thereby heated to a temperature level between 350 and 750°C. A corresponding arrangement (2100-2800) is also part of the present invention.

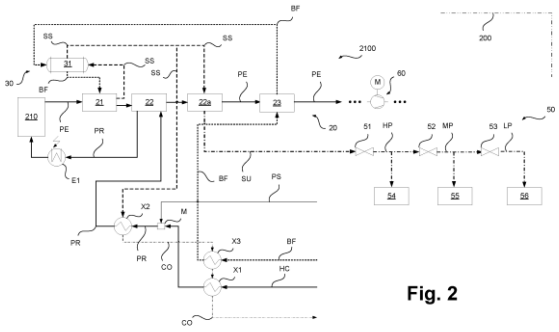
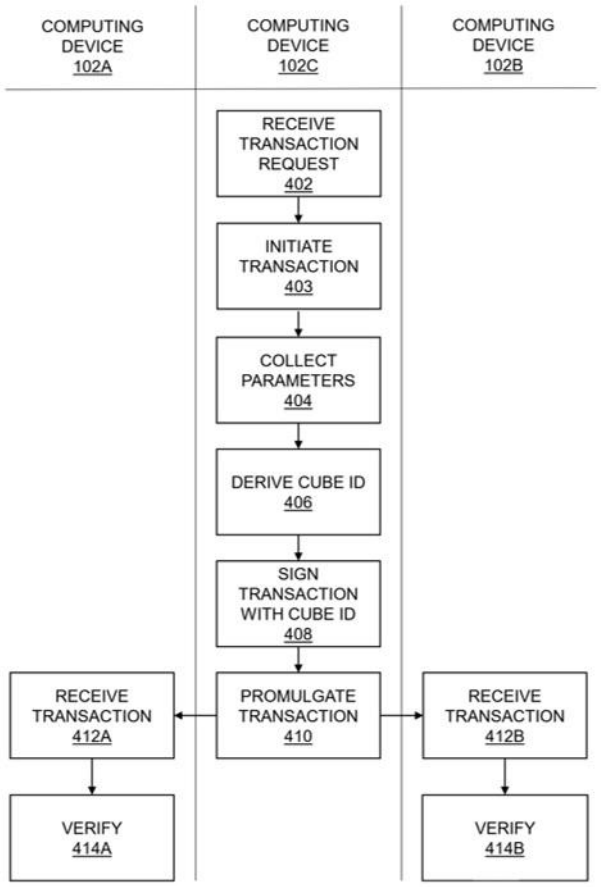


Fig. 2

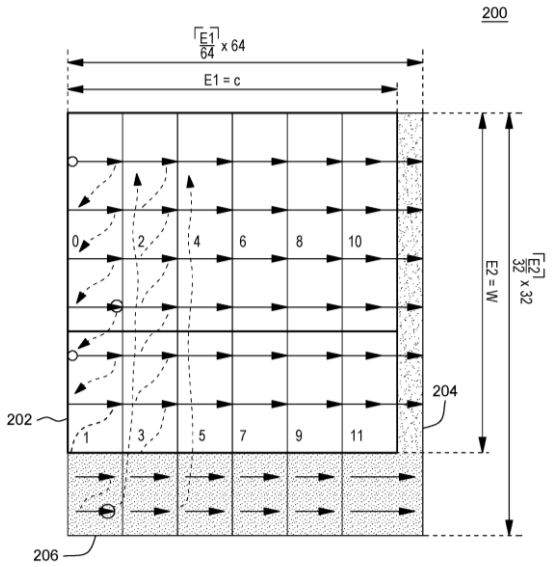
21: 2023/09495. 22: 2023/10/11. 43: 2026/01/23
51: A61K; C07K; C12N; A61P
71: JOINT STOCK COMPANY "BIOCAD"
72: AGEEV, Sergei Andreevich, CHERNYKH, Yulia Sergeevna, KONDINSKAIA, Diana Aleksandrovna, SHIGINA, Valeriia Evgenevna, SAKHAROVA, Dina Khaidarovna, GREFENSHTEIN, Mariia Anatolevna, STOLYAROVA, Alina Konstantinovna, SOLOVYEV, Valery Vladimirovich, IAKOVLEV, Pavel Andreevich, MOROZOV, Dmitry Valentinovich
33: RU 31: 2021107773 32: 2021-03-24
54: MONOCLONAL ANTIBODY THAT SPECIFICALLY BINDS TO GD2
00: -
The present invention relates to the field of biotechnology and medicine, in particular to a monoclonal antibody or anti- gen-binding fragment thereof that specifically binds to GD2 (ganglioside GD2). The invention further relates to nucleic acids encoding said antibody, expression vectors, host cells and methods for producing same, methods for producing the antibodies according to the invention, pharmaceutical compositions comprising the antibody according to the invention, pharmaceutical compositions comprising the antibody according to the invention and other therapeutically active compounds, methods for treating diseases or disorders mediated by GD2, uses of the antibodies or pharmaceutical compositions thereof for treating diseases or disorders mediated by GD2, and uses of the antibodies and other therapeutically active compounds for treating diseases or disorders mediated by GD2.

21: 2023/09670. 22: 2023/10/17. 43: 2026/01/28
51: H04L
71: HEIMDALL (PTY) LTD, MOELLER, Christoph
72: HUXHAM, Horatio Nelson
33: ZA 31: 2022/11368 32: 2022-10-18
33: ZA 31: 2023/09624 32: 2023-10-16
54: SECURITY PROTOCOL SYSTEM AND METHOD
00: -
A security protocol system and method are described, including a system and method for conducting a transaction on a distributed ledger technology-based infrastructure. The method is implemented at a first computing device and includes collecting a number of parameters. At least one parameter is a unique identifier associated with the first computing device. The method includes deriving a first cryptographic key from the collected

parameters according to protocol of a distributed ledger technology-based infrastructure.



21: 2023/09914. 22: 2023/10/24. 43: 2026/01/28
51: G06F
71: INTERNATIONAL BUSINESS MACHINES CORPORATION
72: LICHTENAU, Cedric, GOPALAKRISHNAN, Kailash, SRINIVASAN, Vijayalakshmi, SAPORITO, Anthony, SHUKLA, Sunil, VENKATARAMANI, Swagath
33: US 31: 17/350,528 32: 2021-06-17
54: REFORMATTING OF TENSORS TO PROVIDE SUB-TENSORS
00: -
A tensor of a first select dimension is reformatted to provide one or more sub-tensors of a second select dimension. The reformatting includes determining a number of sub-tensors to be used to represent the tensor. The reformatting further includes creating the number of sub-tensors, in which a sub-tensor is to start on a boundary of a memory unit. Data of the tensor is rearranged to fit within the number of sub-tensors.

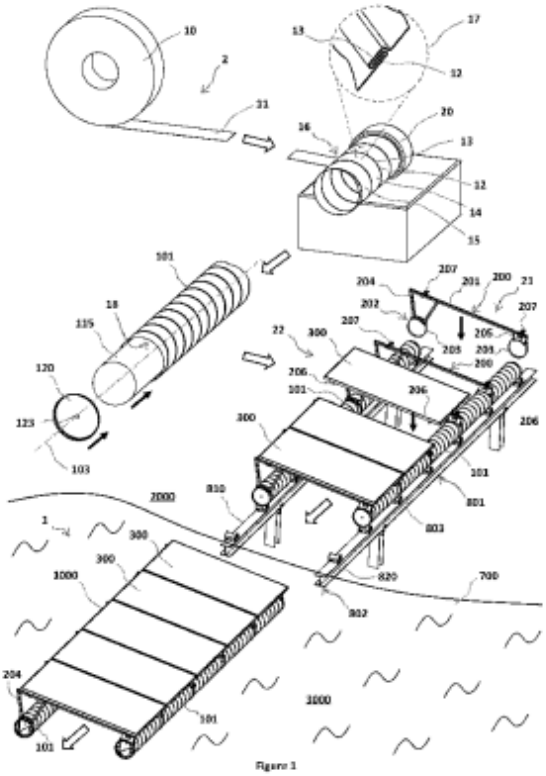


21: 2023/10455. 22: 2023/11/09. 43: 2025/11/28
51: A61K; C07K
71: DR. REDDY'S LABORATORIES LIMITED
72: JAYARAMAN, Murali, VASUDEO PAKHALE, Swapnil, GHOSH, Shrija, R. L., Shri Ranga Priya, SAHA, Ananya, LABALA, Suman, INGALE, Mahesh
33: IN 31: 202141020878 32: 2021-05-07
54: A METHOD OF IMPROVING STABILITY OF AN ANTIBODY FORMULATION
00: -
The present invention discloses a stable formulation of an a4ß7antibody, wherein the formulation comprises a4ß7antibody, amino acid, a mono carboxylic acid or dicarboxylic acid, and surfactant. The disclosed antibody formulations are liquid high concentration formulations that are also suitable for different mode of administration (subcutaneous/intravenous). The disclosed formulations exhibit stability under various accelerated stress conditions.

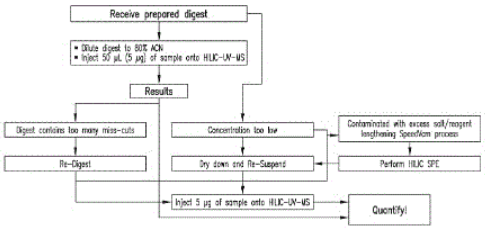
21: 2023/10639. 22: 2023/11/16. 43: 2026/02/03
51: A61K; C07K; A61P
71: CYTUNE PHARMA, SOTIO BIOTECH A.S.
72: Guy Luc Michel DE MARTYNOFF, Irena ADKINS, Ulrich MOEBIUS, David BÉCHARD, Eva NEDVEDOVÁ, Zuzana ANTOSOVÁ, Sárka PECHOUCKOVÁ, Lenka KYRYCH SADILKOVA, Roger Renzo BEERLI, Lukas BAMMERT, Lorenz WALDMEIER, Iva VALENTOVÁ, Simona HOSKOVÁ
33: EP 31: 21181261.5 32: 2021-06-23
54: INTERLEUKIN 15 VARIANTS
00: -

The present invention provides interleukin 15 (IL-15) variants comprising amino acid substitutions for improved homogeneity as well as conjugates and fusion proteins comprising such IL-15 variants. Further, nucleic acids, vectors and host cells for expression of such IL-15 variants as well as pharmaceutical composition comprising such IL-15 variants are provided.

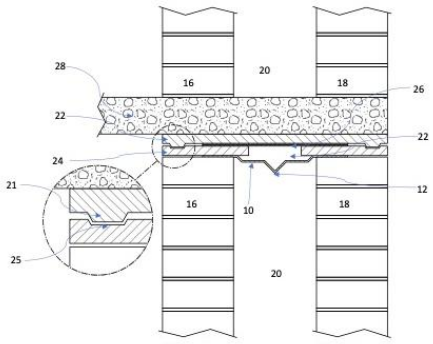
21: 2023/10671. 22: 2023/11/17. 43: 2025/11/28
51: H02S
71: HELIOSLITE, Etienne MENARD
72: MENARD, Etienne
54: METHOD FOR ASSEMBLING A FLOATING SOLAR SYSTEM, AND CORRESPONDING SYSTEM
00: -
This invention mainly proposes a distributed method for fabricating, assembling and launching onto water a floating photovoltaic solar system on a water site, and the corresponding system, said system comprising photovoltaic panels and at least one array of float assemblies, each array of float assemblies comprising at least one float assembly, each float assembly comprising at least one group of at least two floating tube elements for supporting said photovoltaic panels at an inclined angle. The floating tube elements are formed from ribbons or sheets obtained from coils of thin material using a spiral tube forming machine in case of ribbons or a roll-forming machine in case of sheets and mechanically joined together by an array of lightweight frame assemblies.



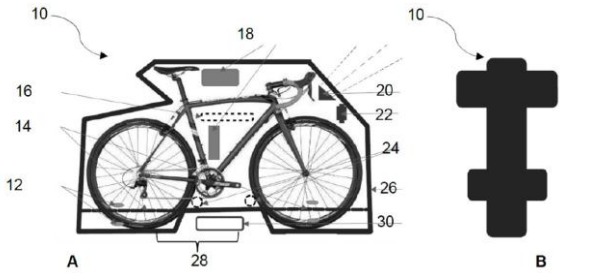
21: 2024/00206. 22: 2024/01/05. 43: 2026/01/23
51: G01N
71: REGENERON PHARMACEUTICALS, INC.
72: ROSENBERG, Avraham Z., SHEN, Biao
33: US 31: 62/697,547 32: 2018-07-13
54: DETECTION AND QUANTIFICATION OF GLYCOSYLATED PEPTIDES
00: -
A method of purification and/or separation of glycopeptides and quantitation of same. The method includes contacting a sample comprising glycopeptides to a hydrophilic enrichment substrate under conditions that permit the glycopeptides to bind to the hydrophilic enrichment substrate. The glycopeptides are eluted from the hydrophilic enrichment substrate with an ammonium formate and acetonitrile (ACN) in water solution to create an enriched glycopeptide sample, which may be subjected to analysis to identify specific glycopeptides.



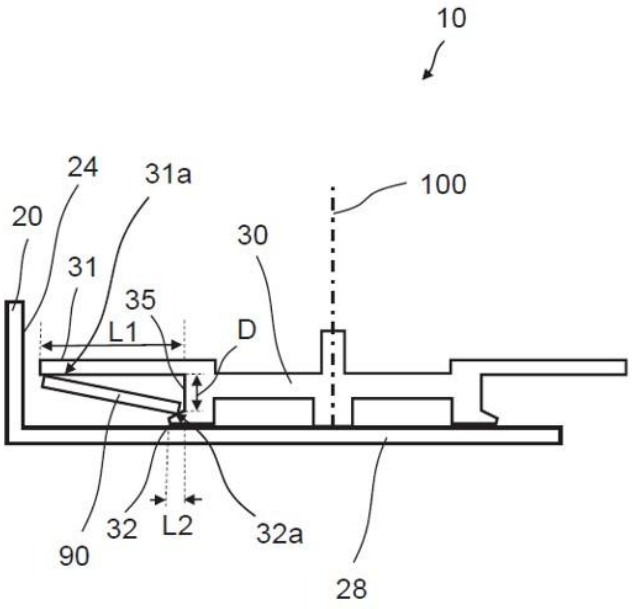
21: 2024/01960. 22: 2024/03/08. 43: 2024/09/19
51: E04C
71: GAP INVENTIONS (PTY) LTD
72: THEUNIS JACOBUS NEL
54: A SLIP JOINT & EXPANSION JOINT
00: -
The present invention relates to an improved slip-joint construction and, more particularly, to a seamless structure having a v-groove for employment as a slip joint which is extendable into an expansion joint, the V-groove terminating in a cavity.



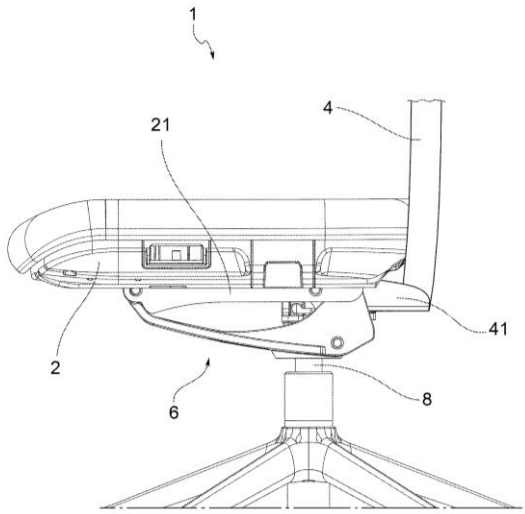
21: 2024/03574. 22: 2024/05/09. 43: 2025/11/28
51: A47C
71: SIANA CONSULTING
72: GELDART, Gregory
33: ZA 31: 2023/03191 32: 2024-03-01
54: BICYCLE COVER
00: -
The present invention relates to a bicycle cover that is sized and shaped to enclose a bicycle therein, the cover comprising a combination of a flexible cover portion and one or more substantially rigid supporting and/or protecting portions.



21: 2024/04323. 22: 2024/06/03. 43: 2026/01/21
51: B65G
71: BIG DUTCHMAN INTERNATIONAL GMBH
72: Leon MANN
33: LU 31: LU504453 32: 2023-06-08
54: DEVICE AND METHOD FOR DEFLECTING A CONVEYOR CHAIN AND ANIMAL FEED TRANSPORT SYSTEM
00: -
The invention relates to a device for deflecting a conveyor chain for transporting animal feed and an animal feed transport system for transporting animal feed. Provided is a device (10) for deflecting a conveyor chain (90) for transporting animal feed, the device (10) comprising a housing (20) with a first housing opening (21) and a second housing opening (22), and a deflection wheel (30), wherein the deflection wheel (30) is arranged within the housing (20) between the first housing opening (21) and the second housing opening (22), and wherein the deflection wheel (30) is mounted rotatably about a, preferably vertical, axis of rotation (100). The deflection wheel (30) has a first conveyor chain guide element (31) which extends radially outwards from an outer circumference (35) of the deflection wheel (30), wherein the first conveyor chain guide element (31) has a first conveyor chain guide section (31a). The deflection wheel (30) further comprises a second conveyor chain guide element (32) which extends radially outwards from the outer circumference (35) of the deflection wheel (30), wherein the second conveyor chain guide element (32) comprises a second conveyor chain guide section (32a).



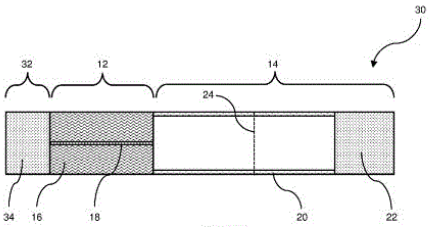
21: 2024/04789. 22: 2024/06/19. 43: 2026/01/22
51: A47C
71: DONATI S.P.A.
72: DONATI, Armando
33: IT 31: 102022000001481 32: 2022-01-28
54: AN OSCILLATION MECHANISM FOR A CHAIR OR AN ARMCHAIR
00: -
The invention relates to an oscillation mechanism (6) for a chair or an armchair (1) comprising a seat (2) and a backrest (4). The oscillation mechanism (6) comprises: i) a functional body (3), hingeable to the seat (2) and/or the backrest (4), having at least one flexible functional portion (15) that is elastically deformable; ii) an adjustment device (5) comprising a movable engagement member (38), and an auxiliary portion (33) connected to the at least one flexible functional portion (15) having a free end (37); The adjustment device (5) may be configured in: - a high- flexibility configuration, in which the auxiliary portion (33) is configured in a cantilever fashion; and - a reduced flexibility configuration, in which the movable engagement member (38) engages the free end (37), so that the auxiliary portion (33) bends elastically, e.g., under flexion, together with the at least one flexible functional portion (15).



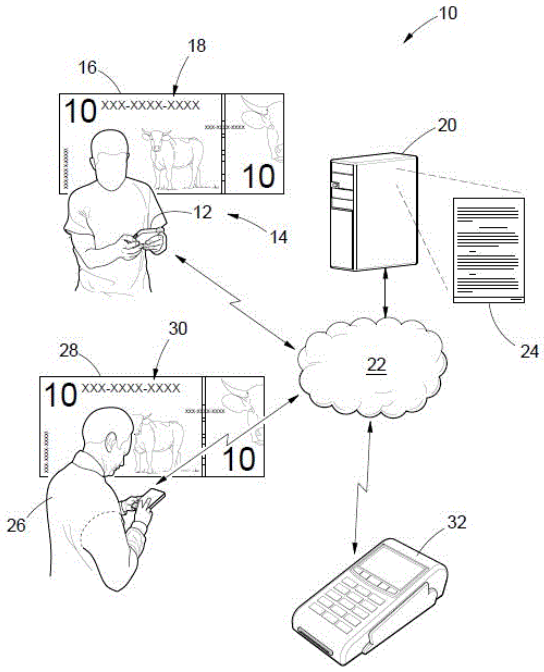
21: 2024/07049. 22: 2024/09/13. 43: 2025/11/28
51: A61K
71: AFT PHARMACEUTICALS LIMITED
72: MURPHY, Maura, CALLAHAN, Matt
33: US 31: 16/287,836 32: 2019-02-27
54: PHARMACEUTICAL COMPOSITION CONTAINING ACETOMINOPHEN AND IBUPROFEN
00: -
Solid oral dosage forms containing 325 mg of acetaminophen and 97.5 mg of ibuprofen or 500 mg of acetaminophen and 150 mg of ibuprofen, wherein the ibuprofen has a [D50] between 1 and 9 μm, are described.

21: 2024/08483. 22: 2024/11/08. 43: 2026/01/30
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: HUANG, Houxue, ZUBER, Gérard
33: EP 31: 22168014.3 32: 2022-04-12
33: EP 31: 22168017.6 32: 2022-04-12
33: EP 31: 22168019.2 32: 2022-04-12
33: EP 31: 22168021.8 32: 2022-04-12
33: EP 31: 22168022.6 32: 2022-04-12
33: EP 31: 22168025.9 32: 2022-04-12
54: AEROSOL-GENERATING ARTICLE AND AEROSOL-GENERATING SYSTEM COMPRISING AN INTERNAL HEATING ELEMENT
00: -
An aerosol-generating article (30) comprising: an aerosol-generating section (12), the aerosol-generating section (12) comprising: an aerosol-generating substrate (16) comprising a plurality of strands of aerosol-generating material, wherein the

aerosol-generating substrate (16) has a density of between 100 milligrams per cubic centimetre and 700 milligrams per cubic centimetre; and an elongate internal heating element (18) located within the aerosol-generating substrate (16) in thermal contact with the plurality of strands of aerosol-generating material, wherein the internal heating element (18) is a susceptor element, wherein a ratio of an average width of the plurality of strands of aerosol-generating material to a width of the internal heating element (18) is between 0.05 and 4.



21: 2024/08691. 22: 2024/11/15. 43: 2026/01/22
51: G07D; G06Q
71: MARUMO, Dineo Valentia
72: MARUMO, Dineo Valentia, MARUMO, Kamogelo Khumo, MARUMO, Remoratile Reitumetse Keabetswe
33: ZA 31: 2023/06158 32: 2023-08-15
33: ZA 31: 2023/09658 32: 2023-10-17
54: FINANCIAL TRANSACTION SYSTEM
00: -
This invention relates generally to a financial transaction system 10. The system 10 comprises at least one user communication device 12 which is operable by a user 14, at least a first physical currency 16 including a unique identifier 18 and a remote transaction processing unit 20 which is in data communication with the communication device 12 by way of one or more data communication networks 22.

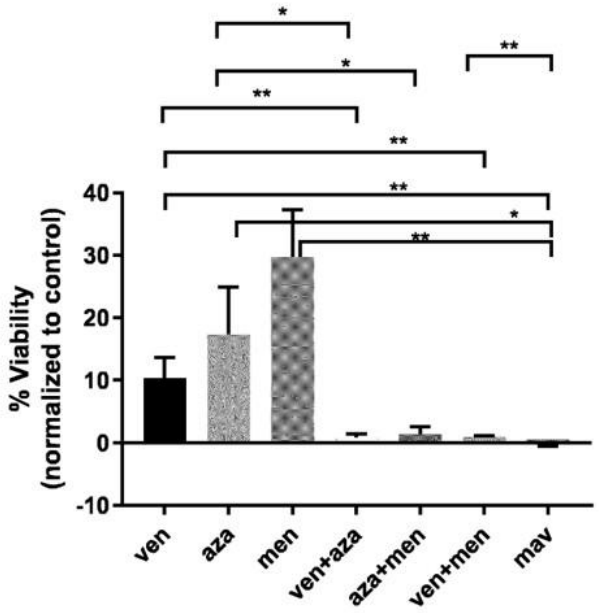


21: 2024/08753. 22: 2024/11/18. 43: 2026/01/21
51: A63H
71: TONIES GMBH
72: Patric FASSBENDER, Marcus STAHL, Christian WILMANNS, Sven VADERS, Roman SALOMON
33: EP 31: 22175526.7 32: 2022-05-25
54: TOYS FOR THE REPRODUCTION OF MUSIC OR A NARRATED STORY
00: -
The invention relates to a toy for the reproduction of music or a narrated story, comprising a loudspeaker or a loudspeaker terminal, a first sensor that can detect, within an area in the surroundings of the sensor, a property or a change in a property of said surroundings, said first sensor being a reader for communicating with a passive RFID-transponder and /or for communicating with an active RFID-transponder, land a control unit that can actuate the loudspeaker or the loudspeaker terminal to play back music or a narrated story when the first sensor senses, within the area in the surroundings of the sensor, a certain property or a certain change in a property of the surroundings or when the control unit detects a certain change in the property sensed by the first sensor, wherein a second sensor can determine the direction of a magnetic field acting on the second sensor with respect to a preferred direction.

21: 2024/08762. 22: 2024/11/18. 43: 2026/02/16
51: C21B; C21C; F27B; F27D
71: ARCELORMITTAL
72: Jean-Christophe HUBER, Mathieu SANCHEZ, Simon Pierre DEPLECHIN
54: A METHOD FOR MANUFACTURING PIG IRON IN AN ELECTRICAL SMELTING FURNACE AND ASSOCIATED ELECTRICAL SMELTING FURNACE
00: -
The invention deals with a method for manufacturing pig iron in a smelting furnace 13 comprising a vessel 20, said method comprising the following successive steps: - loading DRI product in said vessel 20 - melting said DRI product to form a pig iron layer 14 topped by a slag layer 23 and - injecting a carbon containing material directly in said pig iron layer 14. It also deals with the manufacturing of steel from said pig iron and to the associated electrical smelting furnace.

21: 2024/09180. 22: 2024/11/29. 43: 2026/02/03
51: B65G
71: AMOVA GMBH
72: Volker BRÜCK, Bernd BÜDENBENDER
33: DE 31: 10 2022 117 327.5 32: 2022-07-12
54: HIGH-BAY WAREHOUSE FOR EMPTY CONTAINERS
00: -
The invention relates to a high-bay warehouse for storing and retrieving containers, the high-bay warehouse comprising a plurality of separate rack bays which are arranged horizontally next to one another and vertically one above the other, and storage aisles which are arranged between groups of rack bays and extend in parallel with one another and in each of which at least one stacker crane is movable back and forth and is designed to move the containers vertically and horizontally and to move them into and out of the rack bays, the high-bay warehouse comprising, in addition to the separate rack bays, at least one region which is designed and suitable for receiving empty containers which are stacked one on top of the other. The invention further relates to a method for storing and retrieving as well as relocating containers in such a high-bay warehouse.

21: 2024/09504. 22: 2024/12/10. 43: 2026/02/03
51: A61K
71: RYVU THERAPEUTICS S.A., BERLIN-CHEMIE AG
72: Monica BINASCHI, Daniela BELLAROSA, Giuseppe MERLINO, Simone BALDINI, Tomasz RZYMSKI
33: EP 31: 22460034.6 32: 2022-07-29
54: CANCER COMBINATION THERAPY INCLUDING A BCL-2 INHIBITOR
00: -
The present invention is inter alia concerned with a combination of (i) a BCL-2 inhibitor and (ii) SEL24/MEN1703 for use as medicament, preferably for use in the treatment of a patient suffering from cancer. The present invention is also concerned with a kit of dosage forms comprising (i) a dosage form comprising a BCL-2 inhibitor and (ii) a dosage form comprising SEL24/MEN1703; as well as dosage form comprising (i) a BCL-2 inhibitor and (ii) SEL24/MEN1703.



21: 2024/09601. 22: 2024/12/12. 43: 2026/02/03
51: F16H
71: AUMA RIESTER GMBH & CO. KG
72: Tobias WASSER, Dr. Benjamin HOFMANN, Anna WIRTZ
33: DE 31: 10 2022 118 426.9 32: 2022-07-22
54: PLANETARY GEAR ASSEMBLY
00: -
A planetary gear (5) comprising a sun gear (9), a ring gear (6) and a planet carrier (7) having a number, preferably three, planet gears (8), characterized in that the axial position of two

meshing gear parts in relation to each other is defined by magnetic bias.

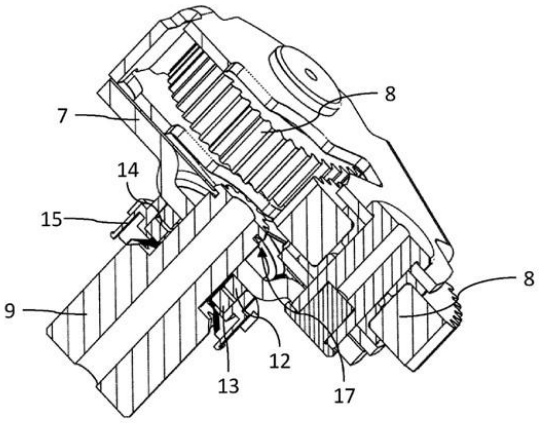
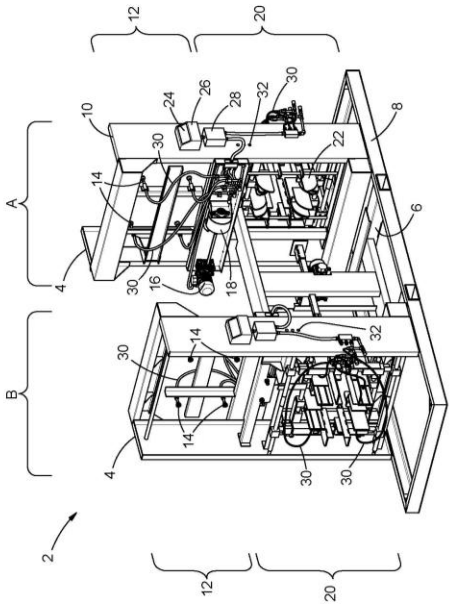


Fig. 3

21: 2024/09865. 22: 2024/12/19. 43: 2026/01/26
51: B31B
71: DE BEER, Stephanus, Petrus
72: DE BEER, Stephanus, Petrus
33: ZA 31: 2022/06770 32: 2022-06-20
54: APPARATUS FOR FOLDING PACKAGING MATERIAL
00: -
The invention relates to a folding apparatus including a plurality of folding sections for receiving packaging material and a displacement member capable, wherein the displacement member displaces the packaging material in order to fold packaging material of different sizes and dimensions.



21: 2025/00406. 22: 2025/01/13. 43: 2026/02/03
51: B32B; E02D
71: NAUE GMBH & CO. KG
72: Henning EHRENBERG, Martin TAZL, Lars VOLLMERT
33: DE 31: 20 2022 103 585.7 32: 2022-06-28
54: BIODEGRADABLE FLOOR SEALING MEMBRANE
00: -
The invention relates to a geosynthetic mat comprising an upper and a lower cover layer and a middle filler layer arranged between the upper cover layer and the lower cover layer and consisting of a filler layer material comprising a swellable material. The invention is characterised in that the top cover layer and/or the bottom cover layer consist of a biodegradable material or comprise a biodegradable material, the peel strength being characterised by a residual peel strength degree at a predetermined point in time after the start of the biodegradation process, which is formed by the square number of a quotient of a reduced peel strength, which the upper and lower cover layer and the connecting structure have at the predetermined point in time, to an initial peel strength, which the upper and lower cover layer and the connecting structure have before the start of a biodegradation process.

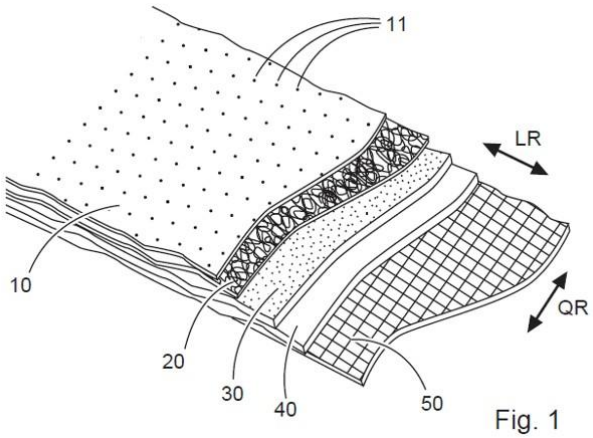
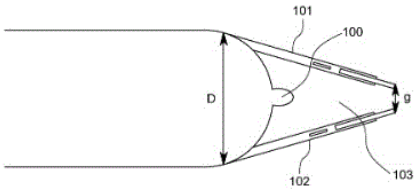


Fig. 1

21: 2025/00598. 22: 2025/01/17. 43: 2026/01/29
51: B63B
71: MORIMOTO, Nobuyoshi
72: MORIMOTO, Nobuyoshi
33: IN 31: 202311012491 32: 2023-02-23
54: A PAIR OF EXTENDED ARMS COUPLED TO A VESSEL
00: -

The present invention provides a vessel (10) comprising: a bow (100) having a port side and a starboard side, a pair of extended arms (101, 102) comprising: a port side extended arm (101) operationally coupled to the port side of the bow (100), and a starboard side extended arm (102) operationally coupled to the starboard side of the bow (100), the pair of extended arms (101, 102) configuring a trapezoidal zone and bifurcating an incoming wave towards the vessel (10) into three directions: towards port side, toward starboard side and a center wave into the trapezoid pool (103), thereby reducing impact of wave resistance on the vessel (10). The trapezoid pool (103) facilities the generation of air bubbles (500) by collisions of the center wave with the bow (100) and the pair of extended arms (101, 102).



21: 2025/00602. 22: 2025/01/17. 43: 2026/02/02
51: E21D
71: MACCAFERRI TUNNELING S.R.L.
72: Cristiano BONOMI
33: IT 31: 102022000015058 32: 2022-07-18
54: TUNNEL CONSTRUCTION METHOD AND MACHINE
00: -
A method for constructing natural tunnels comprises the steps: a) advancing an excavation front (EF) of a tunnel (1) by a predetermined advance length by means of point excavation with one or more self-propelled excavating machines (100); b) removing excavated material from a work region, located between the excavation front (EF) and a final lining front (FLF) of the tunnel (1), by means of one or more dump trucks (500); c) applying a primary lining (2) onto walls exposed by the excavation at the advance length of the excavation front (EF); d) advancing the final lining front (FLF) by a predetermined advance length by creating a final lining (4) on the primary lining (2) applied at the same advance length in a previous advance cycle; e) repeating steps a) to d) until the tunnel (1) is completed. The step d) of advancing the final lining front (FLF) comprises assembling at least one full ring (42') of prefabricated segments (41) and is carried out simultaneously with step a) of advancing the excavation front (EF). Furthermore, the step d) of advancing the final lining front (FLF) is carried out by means of a segment placing machine (200) having a tubular frame (201), and a passage or displacement of operating machines (100), vehicles, or equipment from/to said work region during said steps b) and c) takes place through the tubular frame (201) of the segment placing machine (200). A segment placing machine (200) for use in said method is also described.

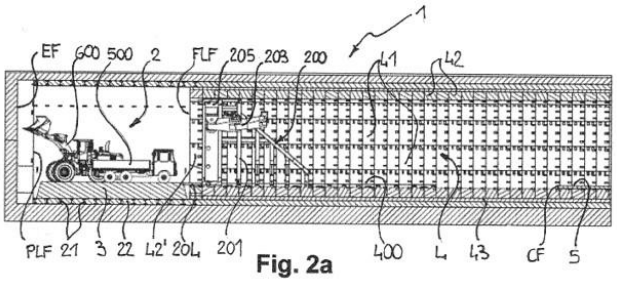
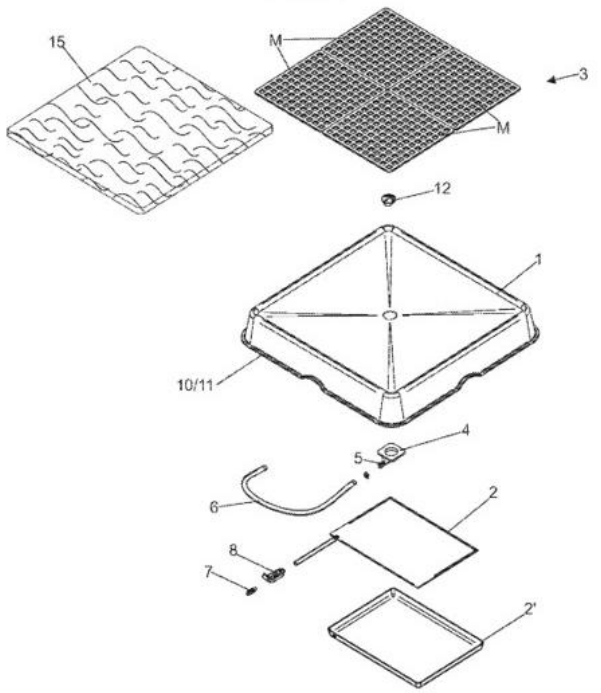


Fig. 2a

21: 2025/00895. 22: 2025/01/22. 43: 2026/02/03
51: A01K
71: Fabio Gaspar DE CARVALHO, Lara Crestani Menezes LORGA, Leinir De Jesus Gaspar De CARVALHO
72: Fabio Gaspar DE CARVALHO, Lara Crestani Menezes LORGA, Leinir De Jesus Gaspar De CARVALHO
33: BR 31: 1020220137080 32: 2022-07-09
54: PET TOILET
00: -
The present invention relates to a novel toilet intended for use by pets, which solution ensures that the toilet or bathroom device for dogs and cats can be installed in any location in the home, a flexible bag for receiving the liquid from the animal being incorporated into the toilet, wherein said bag has a capacity for holding a predetermined volume of urine and can be disposed of as desired. The bag also receives, on top thereof, a rubberized plastic "mat", on which the animal positions itself, where it can relieve itself of urine or faeces, in the latter case for removal by the pet owner using a small bag or the like. Both the bag and the mat area of this assembly can be cleaned. The invention relates to an alternative technological embodiment, which operates by means of a combination of

electromechanical, electronic and wireless communication resources.



21: 2025/00924. 22: 2025/01/28. 43: 2026/02/05
51: B63C
71: JOHNSON OUTDOORS INC.
72: COUZYN, Rhys James
33: ZA 31: 2024/01001 32: 2024-01-31
54: BUOYANCY COMPENSATOR INTEGRATED WEIGHT SYSTEM
00: -
A mechanism for releasably securing a weight-receiving pouch directly onto a buoyancy compensator vest as well as a buoyancy compensation system are provided. The mechanism comprises a first connecting element in the form of a linear rail. A second connecting element comprises a housing defining a slot/channel configured to be slidably received on the linear rail of the first connecting element. One of the first or second connecting elements is located on an external face of the buoyancy compensator vest. The other of the first or second connecting elements is located on/associated with the weight-receiving pouch. The buoyancy compensator system includes the buoyancy compensator vest. The first or second connecting element may be attached to a waist band of the vest.

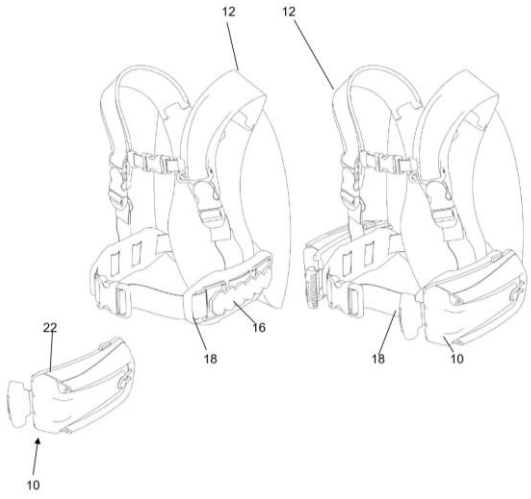
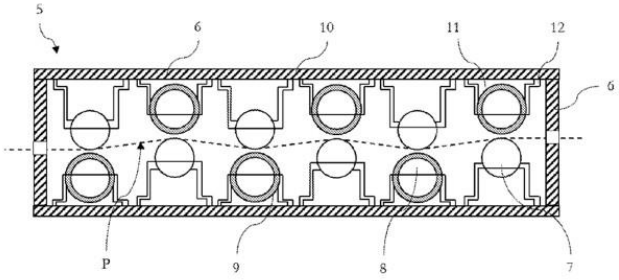


FIGURE 4a FIGURE 4b

21: 2025/00931. 22: 2025/01/28. 43: 2026/02/02
51: C23C
71: ARCELORMITTAL
72: Vincent RUWET, Didier MARNEFFE, Philippe DOSSIN
33: IB 31: PCT/IB2022/058335 32: 2022-09-05
54: SEALING AIRLOCK FOR DEPOSITION CHAMBER
00: -
The invention relates to sealing lock (5) for a vacuum deposition facility of a coating on a running metal strip following a running path (P), comprising walls (6) and at least three pairs of rolls, inside said walls (6), wherein - each pair of rolls of said at least three pairs of rolls - comprises a roll (7) with a metal surface and a roll (8) with an elastomer surface layer (9), having a thickness from 3 to 30 mm, forming a gap from 1 to 11 mm, - the rolls with an elastomer surface layer of two successive pairs of rolls are on opposite sides of said running path (P).

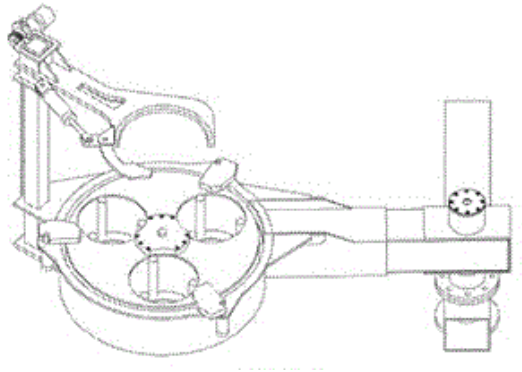


21: 2025/01037. 22: 2025/01/31. 43: 2026/02/16
51: C21D; C22C
71: ARCELORMITTAL

72: Thierry IUNG, Ronan JACOLOT
33: IB 31: PCT/IB2022/058704 32: 2022-09-15
54: HOT ROLLING WITH RESIDUAL ELEMENTS
00: -
A method for hot rolling a steel comprising the steps of i. elaborating a steel composition comprising in weight percent: 0.002 ≤ C ≤ 0.8, 0.1≤ Mn ≤ 3, Si ≤ 2, Al ≤ 2, Cr ≤ 0.5, Nb≤ 0.08, Ti ≤ 0.1 and a balance consisting of Fe, residual elements consisting of Mo, Sn, Sb and As and unavoidable impurities, by smelting steel scraps comprising at least one said residual elements and optionally hot metal coming from a blast furnace and/or direct reduced iron, ii. estimating the liquid steel composition, iii. casting a semi-finished product with said liquid steel, having a theoretical finishing hot rolling temperature THR_TH, iv. defining, TOFFSET, a hot rolling temperature increase able to offset the presence of said residual elements : Mo, Sn, Sb and/or As, on the mean flow stress resulting from the deformation applied during the hot rolling v. hot rolling said semi-finished product at an optimised hot rolling temperature THR being: THR = THR_TH + TOFFSET

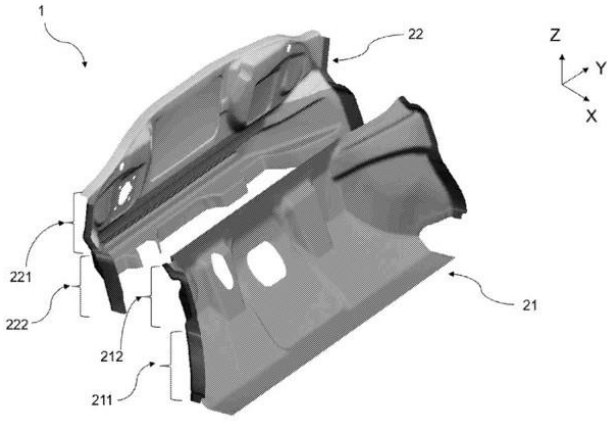
21: 2025/01068. 22: 2025/02/03. 43: 2026/02/16
51: C21D; C22C
71: ARCELORMITTAL
72: Thierry IUNG, Ronan JACOLOT
33: IB 31: PCT/IB2022/058708 32: 2022-09-15
54: HOT ROLLING WITH RESIDUAL ELEMENTS
00: -
A method for hot rolling a steel comprising the steps of i. elaborating, by smelting steel scrap comprising at least one of the following residual elements : Mo, Sn, Sb, As, a steel grade having a theoretical hot rolling temperature THR_TH, by smelting steel scraps comprising at least one of the following residual elements : Mo, Sn, Sb, As, and optionally hot metal coming from a blast furnace and/or direct reduced iron, ii. estimating the liquid steel composition, iii. casting a semi-finished product with said liquid steel, iv. defining, TOFFSET, the smallest hot rolling temperature increase able to offset the presence of said residual elements: Mo, Sn, Sb and/or As, v. hot rolling said semi-finished product at a temperature THR being: THR = THR_TH + TOFFSET

21: 2025/01127. 22: 2025/02/05. 43: 2025/12/09
51: E21B
71: BIZAMA ALMENDRAS, RAUL PATRICIO, IZQUIERDO GONZALEZ, FELIPE
72: BIZAMA ALMENDRAS, RAÚL PATRICIO, IZQUIERDO GONZALEZ, FELIPE
54: DRILLING TOOL CHANGER DEVICE AND A METHOD FOR MAKING THE CHANGE
00: -
A device and a method for changing the drill bits, tricone bits or DTH bits of drill strings on a drilling platform, characterised in that the equipment comprises an arm element that can move in a rotating, vertical or horizontal manner. A post or supporting element is connected to one of the ends of said arm element and it is connected to said arm element in such a way that it moves said element. Fur-thermore, this post or supporting element that serves as a base for the arm element includes a valve system element that allows the arm to retract and extend in a controlled manner. A drill bit storage and receiving element is at the other end of the arm element, and said drill bit storage and receiving element has a rotating surface of the revolving type or other, in addition to having a hydraulic motor or other type of motor to move same.

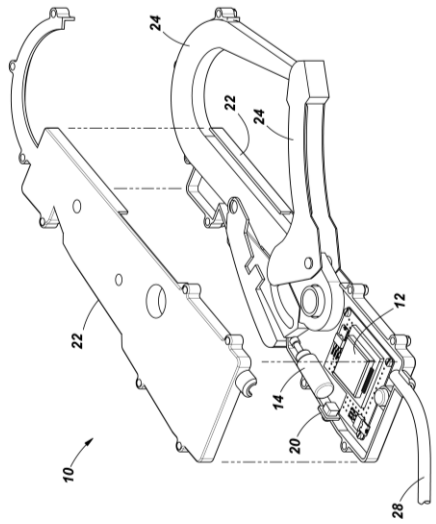


21: 2025/01132. 22: 2025/02/05. 43: 2026/02/16
51: B62D
71: ARCELORMITTAL
72: Dan HASENPOUTH, Joël WILSIUS
33: IB 31: PCT/IB2022/058553 32: 2022-09-12
54: VEHICLE DASH PANEL ASSEMBLY
00: -
Dash panel assembly (1) for an automotive vehicle (100) consisting of a lower dash panel (21) and an upper dash panel (22), such that: -said lower and upper dash panels (21, 22) are each made by forming a single metallic sheet, -said lower dash panel (21) further comprises a lower portion (211) and an overlap portion (212), -said upper dash panel (22) further comprises an upper portion (221) and an overlap portion (222), -once assembled to form the

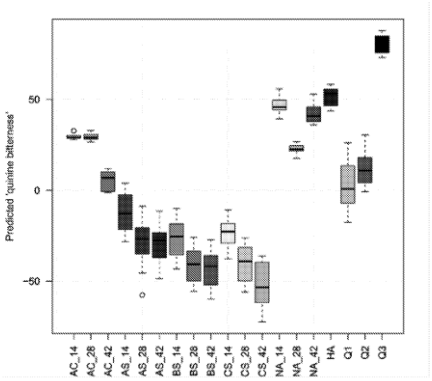
dash panel assembly (1), the dash panel lower and upper (21, 22) overlap each other in their respective overlap portion (212, 222) to form the overlap portion (12) of the dash panel assembly and do not overlap each other in the lower portion of the lower dash panel (211) and the upper portion of the upper dash panel (221).



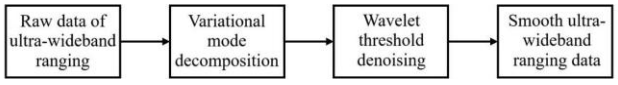
21: 2025/01395. 22: 2025/02/14. 43: 2026/01/30
51: A62B; B66F; F16B
71: SASOL SOUTH AFRICA LIMITED
72: REDELINGHUYS, Anton, LOMBARD, Jacques
33: ZA 31: 2024/01848 32: 2024-03-05
54: FALL ARREST SOLUTION
00: -
A fall arrest assembly for engaging with and controlling opening of a safety hooking mechanism that is for use with or comprises part of a harnessing means, such as a safety harness, and a method of using the fall arrest assembly. The fall arrest assembly comprises a controlling unit in electronic communication with an electromagnet to control opening of the safety hooking mechanism; at least one sensing means to detect engagement of the safety hooking mechanism with a secure position and to transmit the engagement to the controlling unit; a trigger means that is activated in an opening request and transmits the opening request to the controlling unit; and at least one notification means to emit a warning on opening of the safety hooking mechanism.



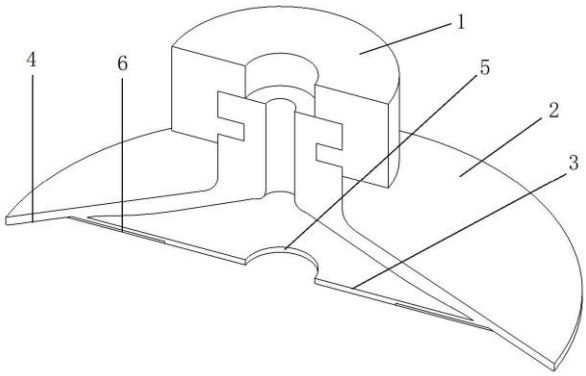
21: 2025/01807. 22: 2025/02/27. 43: 2025/09/03
51: A61K
71: RICHTER GEDEON NYRT.
72: KONTA, Melinda, SZAKONYI, Gergely
33: HU 31: P2200312 32: 2022-08-05
54: ORALLY DISINTEGRATING PHARMACEUTICAL TABLET CONTAINING CARIPRAZINE
00: -
An orally disintegrating pharmaceutical tablet comprising: between 0.1 and 21 wt% of cariprazine or its pharmaceutically acceptable salts, between 0.1 and 15 wt% of a disintegrant, between 0.1 and 5 wt% of colloidal silicon dioxide, between 0.1 and 10 wt% of a taste masking agent, between 0.1 and 5 wt% of a lubricant, and up to 100 wt% of a diluent, the percentage being expressed with regard to the total weight of the pharmaceutical tablet. Said composition for use in the treatment and/or prevention of pathological conditions which require the modulation of dopamine receptors, selected from the group of psychoses, drug abuse, cognitive impairment accompanying schizophrenia, mild-to-moderate cognitive deficits, dementia, psychotic states associated with dementia, eating disorders, attention deficit disorders, hyperactivity disorders in children, psychotic depression, bipolar disorder, paranoid and delusional disorders, dyskinetic disorders, anxiety, sexual dysfunction, sleep disorders, emesis, aggression and autism.



21: 2025/02198. 22: 2025/03/12. 43: 2026/01/30
51: G01S; H04W
71: HARBIN INSTITUTE OF TECHNOLOGY
72: Feng SHEN, Tong WAN, Xiangzun YU, Maosen CHENG, Ninghe YANG
33: CN 31: 2024113810091 32: 2024-09-30
54: METHOD AND SYSTEM FOR SUPPRESSING RANDOM NOISE IN ULTRA-WIDEBAND RANGING
00: -
The present disclosure discloses a method and system for suppressing random noise in ultra-wideband ranging, and relates to the field of ultra-wideband ranging. A problem that in an ultra-wideband positioning process, ultra-wideband ranging values can fluctuate significantly due to environmental influences is solved. The method includes: acquiring raw data of ultra-wideband ranging; performing variational mode decomposition on the raw data of the ultra-wideband ranging; and processing decomposed data using a wavelet threshold denoising method, to acquire smooth ultra-wideband ranging data. The present disclosure is applied to the field of indoor positioning.

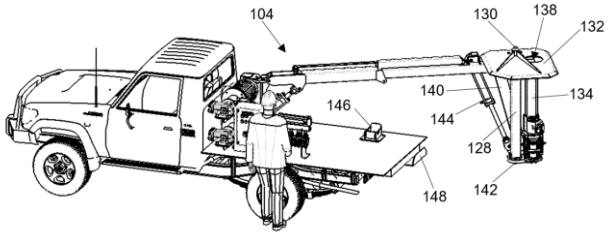


21: 2025/02199. 22: 2025/03/12. 43: 2026/01/27
51: H01H
71: YANCHENG INSTITUTE OF TECHNOLOGY
72: XU, Chi, ZHOU, Linzhen, LU, Qian, ZHANG, Chunwei
33: CN 31: 2025101327911 32: 2025-02-26
54: ADAPTIVE MULTI-SURFACE NON-DESTRUCTIVE ADHESION-DETACHMENT ACTUATOR
00: -
An adaptive multi-surface non-destructive adhesion-detachment actuator is provided, which relates to the technical field of adhesive materials. The actuator comprises a mounting base, an external soft shell and an internal membrane, a top end of the external soft shell is detachably connected to the mounting base, and an edge of the internal membrane is connected to an inner wall of the external soft shell; a skirt is formed between the external soft shell and the internal membrane, and an inner wall of the skirt portion is homogenized to form a uniform thin layer; and a cavity is formed between the internal membrane and the external soft shell, and a central aperture is provided on the internal membrane connected to the cavity. The present invention combines the synergistic effects of multiple adhesion forces and negative pressure suction, ensuring both stable and reliable adhesion performance and excellent surface adaptability with instantaneously controllable detachment response, thereby meeting diverse requirements in complex environments.

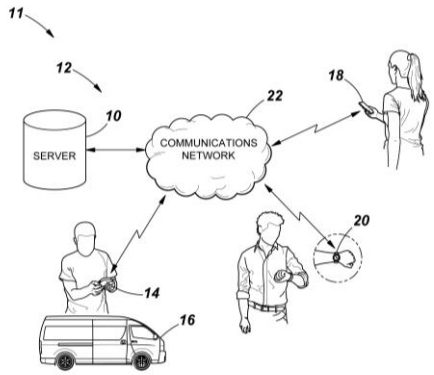


21: 2025/02363. 22: 2025/03/18. 43: 2025/09/22
51: E21B
71: HYDRO POWER EQUIPMENT (PTY) LTD
72: CRONJE, Johan Marthinus
33: ZA 31: 2024/01415 32: 2024-02-16
54: MOBILE ROOF BOLTER
00: -
The invention relates to roof bolter comprising a mobile unit and a roof bolting module. The mobile unit includes a motor, drivetrain, front axle and rear axle of a light duty commercial pick-up vehicle. The roof bolting module has a mounting secured to a load carrying structure. A movable connection is configured for vertical and lateral movement of an extendable and retractable beam relative to the load

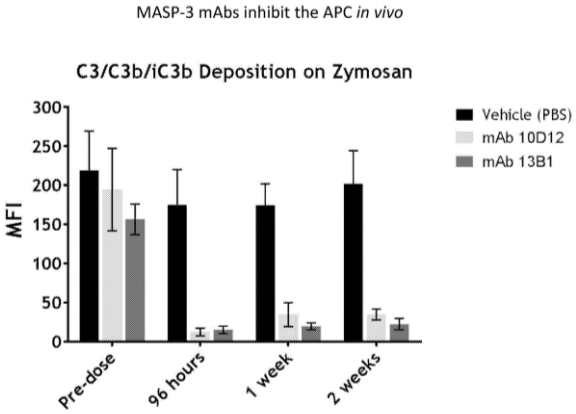
carrying structure. A telescopic prop hingeably connected to an end of the beam has a hanging wall engaging formation, an over-head barrier and a drill boom.



21: 2025/02537. 22: 2025/03/24. 43: 2026/01/28
51: G01P; G01S; G06F; H04W
71: CUBAN TECHNOLOGY CAVE (PTY) LTD
72: SIBISI, Nhlakanipho
33: ZA 31: 2024/02443 32: 2024-03-27
54: PASSENGER MONITORING SYSTEM
00: -
The invention is in the field of passenger monitoring devices employed in transportation vehicles. The monitoring passenger system 11 includes a monitoring server 10, a database that is in communication with the server 10, a primary device 14 that is fitted in a vehicle or arranged to be carried/worn by a driver. The primary device 14 is installed on a dashboard. A secondary device 18 is arranged to be worn/carried by a passenger such as a scholar/child, a tertiary device 20 is associated with a parent of the child/scholar. The monitoring server 10 is in communication with one or more of the database (not shown), primary device 14, secondary device 18 and tertiary device 20 via a communication network 22, and wherein the primary device 14 is physically separated from the secondary device 18 when it's within a predefined distance thereof.



21: 2025/02750. 22: 2025/03/31. 43: 2025/12/05
51: A61K; C07K
71: Omeros Corporation, University of Leicester
72: CUMMINGS, W. Jason, DEMOPULOS, Gregory A., DUDLER, Thomas, SCHWAEBLE, Hans-Wilhelm, TJOELKER, Larry W., WOOD, Christi L., YABUKI, Munehisa
33: US 31: 62/369,674 32: 2016-08-01
54: COMPOSITIONS AND METHODS OF INHIBITING MASP-3 FOR THE TREATMENT OF VARIOUS DISEASES AND DISORDERS
00: -
The present invention relates to MASP-3 inhibitory antibodies and compositions comprising such antibodies for use in inhibiting the adverse effects of MASP-3 dependent complement activation.



21: 2025/02764. 22: 2025/03/31. 43: 2025/12/04
51: E04H; F03D
71: Nordex Energy SE & Co. KG, Nordex Energy Spain, S.A.U.
72: GARCÍA MAESTRE, Iván, GARDUÑO, Aitor, VARELA, Fernando, GONZALEZ, Miguel, RUBIO GUILLEN, Iñigo, ARLABAN, Teresa

33: EP/ES 31: 22382884.9 32: 2022-09-27
33: EP(ES) 31: 22382885.6 32: 2022-09-27
54: TOWER OF A WIND TURBINE
00: -
The object of the invention is a wind turbine tower which reinforces the upper part of the section of the tower of the wind turbine, wherein the tower comprises - at least one first tower section; - an adapter disposed between the at least one first tower section and at least one second tower section or a wind turbine component, wherein the at least one first tower section is a concrete tower section comprising an upper flange comprising an external diameter; and wherein the adapter comprises: - a lower flange configured to join the adapter to the at least one first tower section; wherein the lower flange of the adapter comprises aann external diameter.

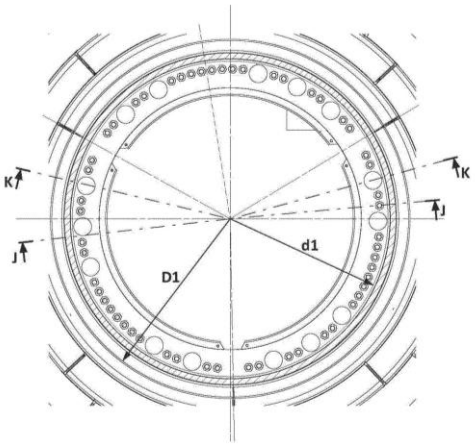
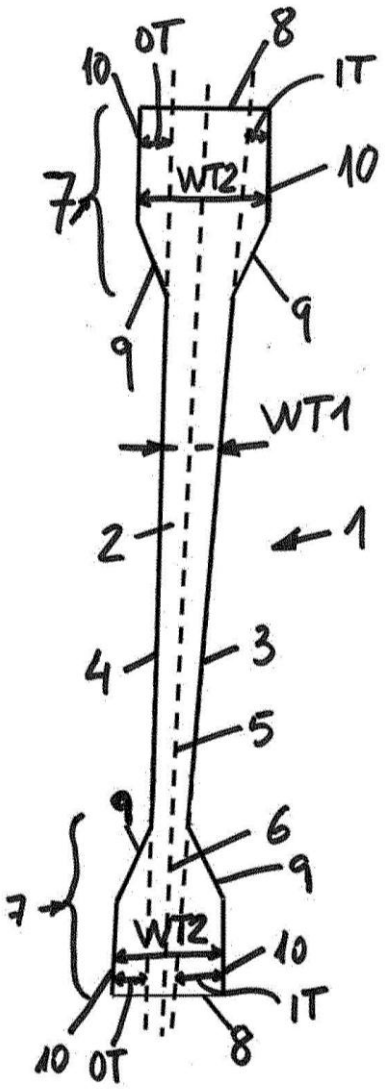


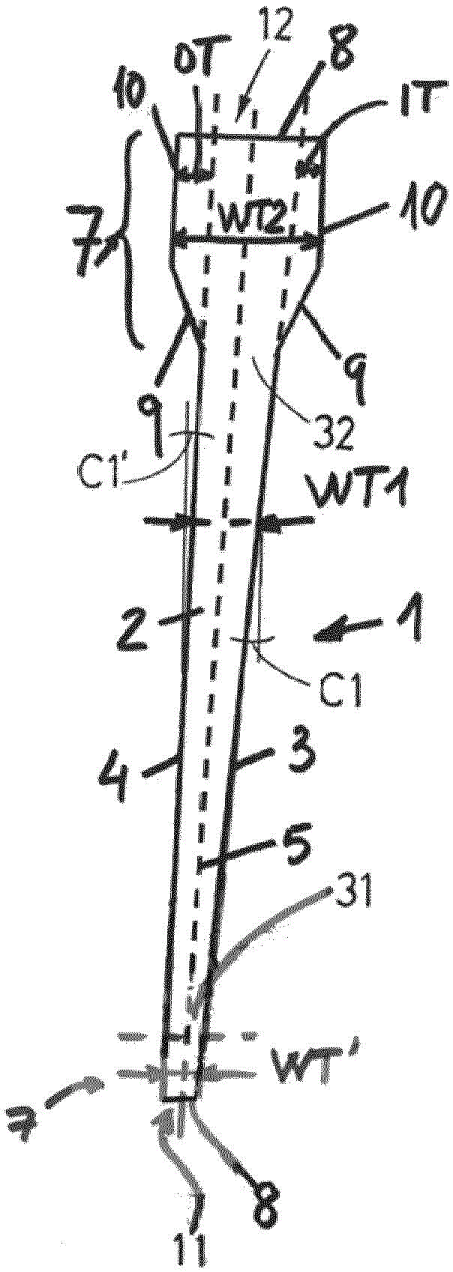
FIG. 2
L-L

21: 2025/02972. 22: 2025/04/08. 43: 2025/12/10
51: E02D; E04H
71: Nordex Energy Spain, S.A.U.
72: GARDUÑO, Aitor
33: EP(ES) 31: 22382883.1 32: 2022-09-26
54: CONCRETE SEGMENT OF A SECTION OF A WIND TURBINE TOWER, MOULD CONFIGURED TO CAST A CONCRETE SEGMENT AND METHOD OF ASSEMBLING A WIND TURBINE
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.



21: 2025/02973. 22: 2025/04/08. 43: 2025/12/10
51: E02D; E04H; F03D
71: Nordex Energy Spain, S.A.U.
72: GARDUÑO, Aitor, GARCÍA MAESTRE, Iván
33: EP(ES) 31: 22382883.1 32: 2022-09-26
54: CONCRETE SEGMENT OF A SECTION OF A WIND TURBINE TOWER AND A MOULD CONFIGURED TO CAST 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 and a mould configured to cast a concrete segment.



21: 2025/02976. 22: 2025/04/08. 43: 2025/12/10
51: E04C; E04H; F03D

71: Nordex Energy Spain, S.A.U., Nordex Energy SE & Co. KG
72: GARCÍA MAESTRE, Iván, RUBIO GUILLEN, Iñigo, ARLABÁN, Teresa
33: EP(ES) 31: 22382884.9 32: 2022-09-27
33: EP (ES) 31: 22382885.6 32: 2022-09-27
54: ADAPTER OF A TOWER OF A WIND TURBINE TOWER AND CONCRETE SECTION OF A TOWER OF A WIND TURBINE
00: -
The object of the invention is an adapter of a tower of a wind turbine, a concrete section of a tower of a wind turbine and a wind turbine comprising a tower which in turn comprises the adapter and/or the concrete section.

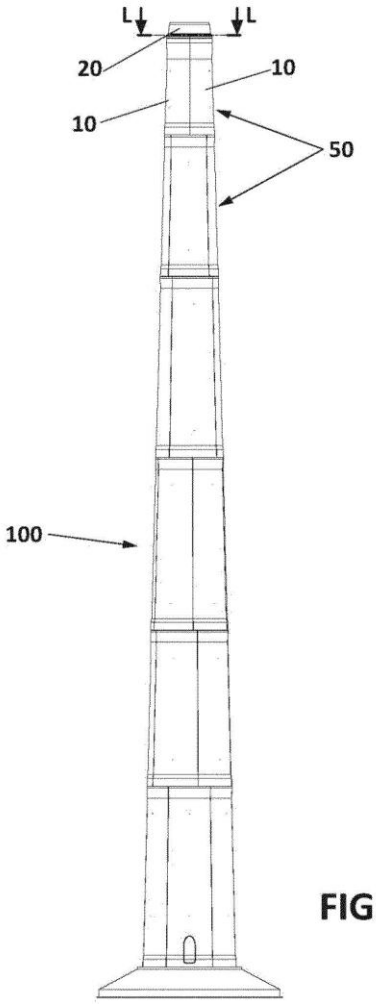


FIG. 2

21: 2025/03051. 22: 2025/04/10. 43: 2025/12/10
51: G01N
71: Baker Consultants Limited

72: BAKER, Andrew, ABRAHAMS, Carlos
33: GB 31: 2214980.1 32: 2022-10-11
54: SOIL MONITORING
00: -
Soil Monitoring Soil testing apparatus (101), for use in determining an indicator of soil health, comprises a probe (102) having a penetrating tip (107) for insertion in soil (100) to be tested, a sensor (106) operatively connected to the probe (102) and configured to provide an output indicative of sensed vibration, and a processing unit (103), operatively connected to the sensor (106), configured to acquire data indicative of vibration sensed in the soil (100) to be tested after the probe (102) has been located in a sensing position in the soil (100), the processing unit (103) configured to receive the output indicative of sensed vibration and store data derived therefrom for processing to determine an indicator of soil health based on the sensed vibration. A soil bioacoustic or ecoacoustic meter that comprises the soil testing apparatus (101). A method of determining an indicator of soil health using the soil testing apparatus (101).

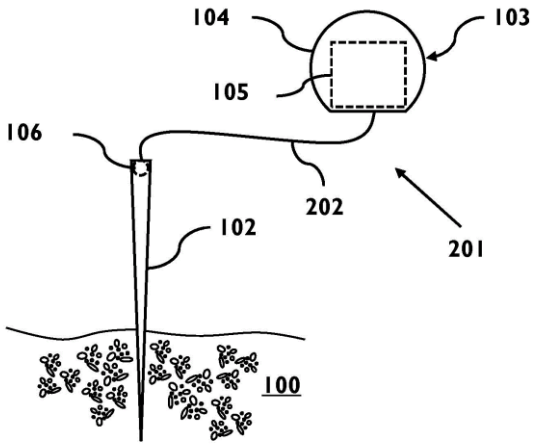


FIGURE 2

21: 2025/03095. 22: 2025/04/11. 43: 2025/12/10
51: E04B; F16B
71: Fortress Iron, LP
72: HORTA, Johnathan, SAWKA, Michael J.
33: US 31: 17/966,421 32: 2022-10-14
54: TOGGLE BOLT CONNECTOR SYSTEM FOR HOLLOW JOIST
00: -
A toggle anchor system includes a toggle anchor having a top surface with a top surface length, a bottom surface with a bottom surface length that is less than the top surface length, a threaded through hole that extends from the top surface to the bottom surface, and a pair of positioning holes that each extends from the top surface to the bottom surface. The system further includes wherein each of the respective positioning holes are positioned on opposing sides of the threaded through hole and a flexible positioning member having a pair of ends and each end of the flexible positioning member extends through each of the respective pair of positioning holes. The system also includes a fastener having a threaded shaft coupled to the threaded through hole.

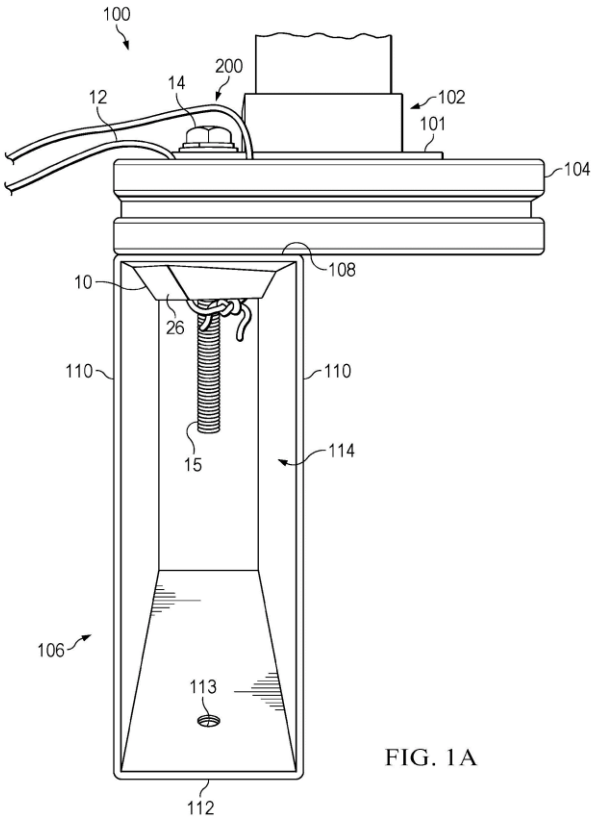


FIG. 1A

21: 2025/03101. 22: 2025/04/11. 43: 2025/12/10
51: H04L
71: MONKEYWAY GmbH
72: HÄRING, Christian, KOCH, Stefan, ADAM, Andreas
33: US 31: 63/377,986 32: 2022-09-30
54: INTERACTIVE VIDEO STREAMING FOR 3D APPLICATIONS
00: -

Systems and methods for video processing generates 3D streaming data via an API may be provided. A 3D streaming session may be delivered at a client device with low latency and high throughput capacity. Upon verification of the client device, a server may be selected to support an encapsulated 3D streaming engine to initiate the session. A library file may be injected into an executable file of the encapsulated 3D streaming engine to generate a digital representation of an interactive 3D environment. The interactive 3D environment may be rendered, encoded, and streamed to the client device via a GPU. The 3D streaming session may be adjusted via the client device, and sustained until terminated at the client device. A number of virtual compute instances of encapsulated 3D streaming engines provided by the server may be dynamically adjusted based on metrics and machine learning predictions of connected client devices.

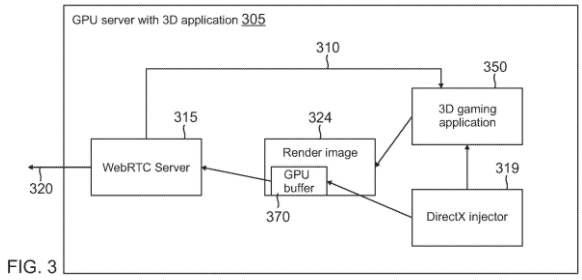
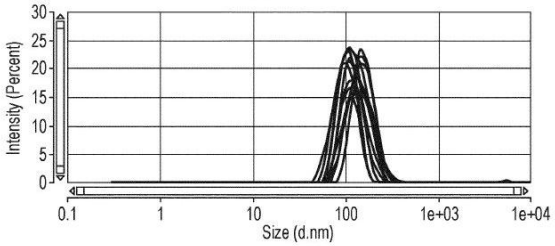


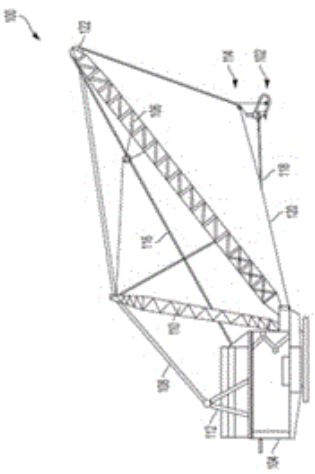
FIG. 3

21: 2025/03105. 22: 2025/04/11. 43: 2025/12/10
51: C07C
71: RIBOPRO B.V.
72: DIEKER, Jürgen, VAN ASBECK, Alexander
33: GB 31: 2215200.3 32: 2022-10-14
54: NOVEL IONIZABLE LIPIDS
00: -
The present invention relates to compounds of formula (I). The invention also extends to micro- or nanoparticles comprising a compound of formula (I). For instance, compounds of formula (I) can be used to produce stable lipid nanoparticles (LNPs). The LNPs have high encapsulation efficiency and can be used to deliver a therapeutic or prophylactic agent to a patient.



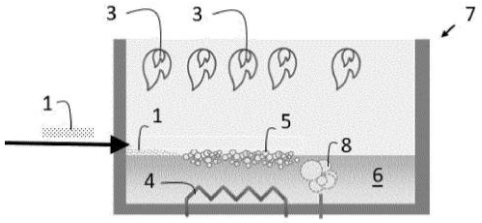
Name	Mean	Standard Deviation	RSD	Minimum	Maximum
Z-Average (nm)	119.8	16.65	13.89	95.29	151.2
Polydispersity Index (PI)	0.06993	0.04803	68.68	0.009831	0.1715
Peak One Mean by Intensity (nm)	128.4	17.99	14.02	101.5	159.9
Peak One Area by Intensity (%)	99.95	0.232	0.2322	98.96	100
Peak Two Mean by Intensity (nm)	5078	-	-	5078	5078
Peak Two Area by Intensity (%)	1.038	-	-	1.038	1.038

21: 2025/03131. 22: 2025/04/14. 43: 2025/12/10
51: E02F
71: CATERPILLAR GLOBAL MINING LLC
72: ANTHIPAGULU, SARAVANAN V, GNANAVEL PANDYAN, THIYAGARAJAN, STOLZ, MICHAEL R, KABIRAJ, KOUSHIK
33: US 31: 18/656,950 32: 2024-05-07
54: ARCH BACK DRAGLINE BUCKET AND WORK MACHINES, SYSTEMS, AND ASSEMBLIES THEREOF
00: -
A dragline bucket (102) can comprise a bottom wall (204); a first sidewall (206) defining a first upper edge (207); a second sidewall (208) opposite the first sidewall (206) defining a second upper edge (209); a first forward-facing projection (216) on a first side of the dragline bucket (102); a second forward-facing projection (216) on a second side of the dragline bucket (102) opposite the first side; a lip assembly (212) at a front of the bottom wall (204); and an arm (250) extending from the first side to the second side of the dragline bucket (102), a distal end of the arm (250) being at a height greater than a height of respective first and second upper edges (207, 209) of the first and second sidewalls (206, 208). In a side elevational view of the dragline bucket (102), the arm (250) is tilted away from the rear wall (210) at an angle of from 17.5 to 22.5 degrees relative to a vertical plane extending through a forward-most edge of the arm (250).



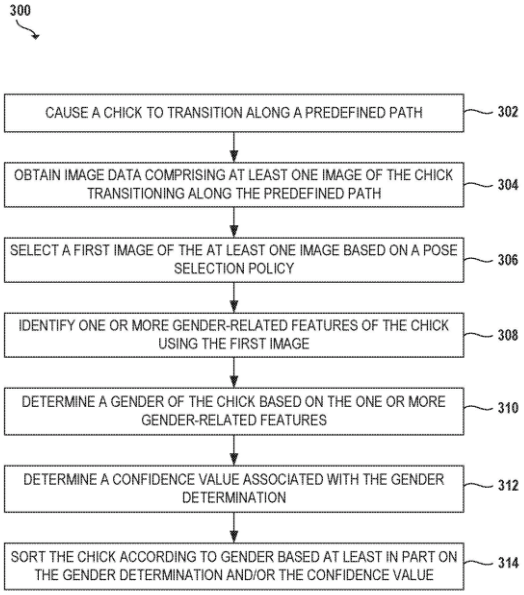
21: 2025/03139. 22: 2025/04/14. 43: 2025/12/10
51: C03C
71: Saint-Gobain Glass France
72: COCHARD, Jean-Patrick, CINTORA GONZALEZ, Octavio
33: FR 31: 2211322 32: 2022-10-28
54: METHOD FOR PRODUCING FLOAT GLASS FROM A MIXTURE OF MINERAL MATERIALS COMPRISING A CALCIUM SILICATE
00: -

The invention relates to a method for producing flat glass, comprising melting a mixture of raw materials constituting a melt bath, the mixture of raw materials comprising a calcium silicate comprising, in percentage by weight, more than 30% of SiO_2 and more than 20% of CaO, preferably at least 25% of CaO, CaO and SiO_2 together representing more than 60%, or even more than 70% or indeed even more than 80% of the total weight of said silicate, and the silicate being introduced into the mixture in the form of a powder, the median grain diameter of which is less than or equal to 400 micrometres.



21: 2025/03143. 22: 2025/04/14. 43: 2025/12/10
51: A01K; A61B; G06Q; G06V
71: Targan, Inc.
72: GOFF, Joshua S., COX, David, RIGGSBEE, Daniel N., ADAMS, Jonathan M.
33: US 31: 63/379,956 32: 2022-10-18
54: GENDER IDENTIFICATION OF CHICKS USING DIGITAL IMAGE ANALYSIS
00: -

Embodiments of the present disclosure provide systems, methods, and computer readable medium with instructions for identifying a gender of a chick. A method includes causing a chick to transition along a path that is associated with a stimulus for provoking an open stance by the chick. The method further includes obtaining one or more images of the chick in the open stance, determining one or more gender-related features of the chick based at least in part on the one or more images, and determining a gender of the chick based at least in part on the one or more gender-related features. One or more portions of the method can include any various machine learning techniques, such as supervised machine learning and/or unsupervised machine learning. For example, a supervised machine learning approach can be employed to train a neural network to identify a pose of a chick, identify gender-related features associated with the chick's wing, and/or assess the gender-related features to make a gender determination.

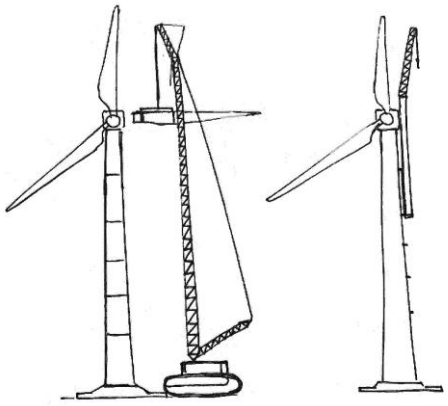


21: 2025/03179. 22: 2025/04/15. 43: 2025/12/10
51: B66C; E04H; F03D
71: Nordex Energy SE & Co. KG, Nordex Energy Spain, S.A.U.
72: GARCÍA MAESTRE, Iván, MALICHEWSKI, Mathias, CALDERóN, Iñigo, ALVAREZ YOLDI, Javier, SOLLA FREIJOMIL, Eugenio Luis, BLANCO DIEGUEZ, José Luis, ÁLVARO GUTIÉRREZ, Pablo, CARRILLO ALONSO, Luis, BIEDMA GARCÍA, Manuel, RUPPEN CAÑÁS, Francisco José
33: EP(ES) 31: 22382885.6 32: 2022-09-27
54: METHOD OF ASSEMBLING A WIND TURBINE AND WIND TURBINE ASSEMBLY SYSTEM, AND

METHOD OF ASSEMBLING A WIND FARM AND WIND FARM ASSEMBLY SYSTEM

00: -

The present invention can be included in the technical field of wind turbine assembly systems and discloses a method of assembling a wind turbine of the present invention proposes an alternative to conventional cranes having a first lifting structure configured to withstand the load of at least one tower section or at least one wind turbine component, and at least one second lifting structure configured to perform the lifting of the first lifting structure with respect to the wind turbine tower. Additional objects of the invention are also a wind turbine assembly system and a method of assembling a wind farm.

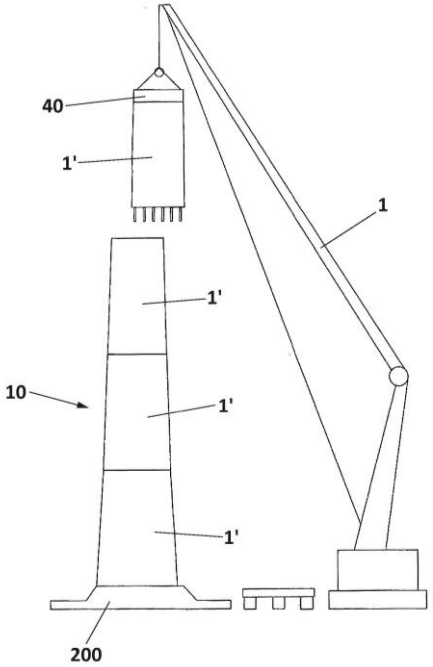


21: 2025/03180. 22: 2025/04/15. 43: 2025/12/10
51: B66C; E04H; F03D
71: Nordex Energy Spain, S.A.U.
72: GARCÍA MAESTRE, Iván, CALDERóN, Iñigo, ALVAREZ YOLDI, Javier, SOLLA FREIJOMIL, Eugenio Luis, BLANCO DIEGUEZ, Jose Luis, ÁLVARO GUTIÉRREZ, Pablo, CARRILLO ALONSO, Luis, BIEDMA GARCÍA, Manuel, RUPPEN CAÑÁS, Francisco José
33: EP(ES) 31: 22382884.9 32: 2022-09-27

54: LIFTING SYSTEM FOR A WIND TURBINE ASSEMBLY SYSTEM AND RELATED LIFTING METHOD

00: -

The present invention can be included in the technical field of lifting systems for a wind turbine assembly system, wherein the lifting system for wind turbine assembly system of the present invention proposes an alternative to lifting systems using climbing cranes that can only be disposed in an upper position once a tower section has been assembled in said upper position. An additional object of the invention is also a lifting method for a wind turbine assembly system.



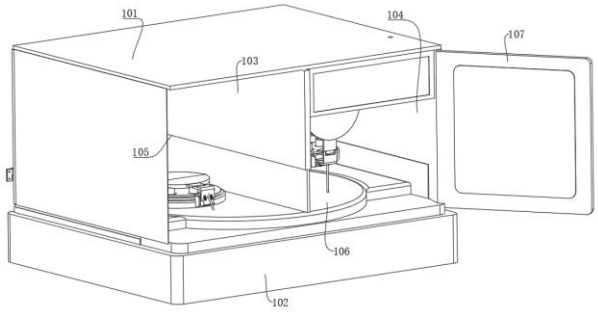
21: 2025/03334. 22: 2025/04/21. 43: 2025/10/30
51: A61B
71: QuZhou People's Hospital (The Central Hospital Of Qu Zhou)
72: Zheng Xiaojin

54: A BODY FLUID CELL COLLECTION AND TESTING DEVICE FOR BODY FLUID ASSAY

00: -

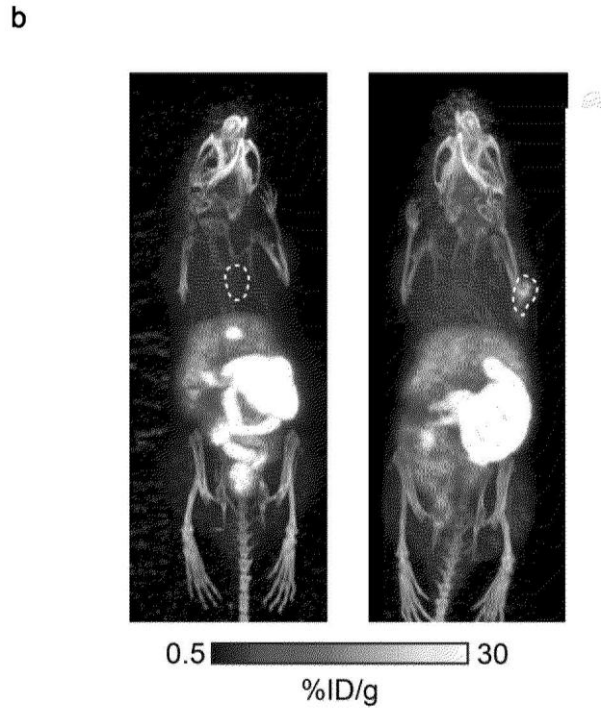
The present invention relates to the technical field of body fluid cell collection and examination, and specifically relates to a body fluid cell collection and examination device for body fluid assay, comprising a base, said base on which a test box body is mounted, and a lift door is mounted in the middle position of said test box body, and a first studio and a second studio are formed between said test box body and the lift door. Said side wall of the main body of the inspection box is symmetrically rotated with a sealing door, said base is rotated with a worktable, said base is provided with a lifting mechanism for driving the worktable to rotate, said lifting mechanism is provided with a centrifugal mechanism, said centrifugal mechanism is provided with a sealing mechanism. The present invention, by setting up a first studio and a second studio, when the first studio carries out centrifugal work for test tubes to be examined, the other studio can start to

place test tubes to be examined, and when the centrifugal work is finished, it automatically unlocks and automatically starts to carry out the centrifugal examination on the other side, which will avoid the intermediate stopping time and improve the efficiency.



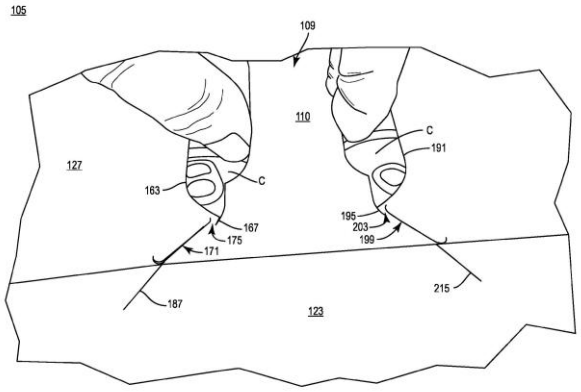
21: 2025/03371. 22: 2025/04/22. 43: 2025/12/10
51: A61K; A61P
71: King's College London
72: TANÇ, Muhammet, WITNEY, Timothy H.
33: GB 31: 2216665.6 32: 2022-11-09
54: COMPOUNDS AND THEIR USE
00: -

The present invention pertains generally to the field of diagnostic and therapeutic compounds. More specifically the present invention pertains to certain radiolabelled compounds, their precursors, and the respective uses. The radiolabelled compounds, inter alia, bind ALDH and emit radiation for detection by molecular imaging or for treatment of a disease mediated by ALDH.



21: 2025/03380. 22: 2025/04/22. 43: 2025/12/10
51: B65D
71: Graphic Packaging International, LLC
72: HOLLEY, Jr., John Murdick
33: US 31: 63/422,603 32: 2022-11-04
54: CARTON FOR CONTAINERS
00: -

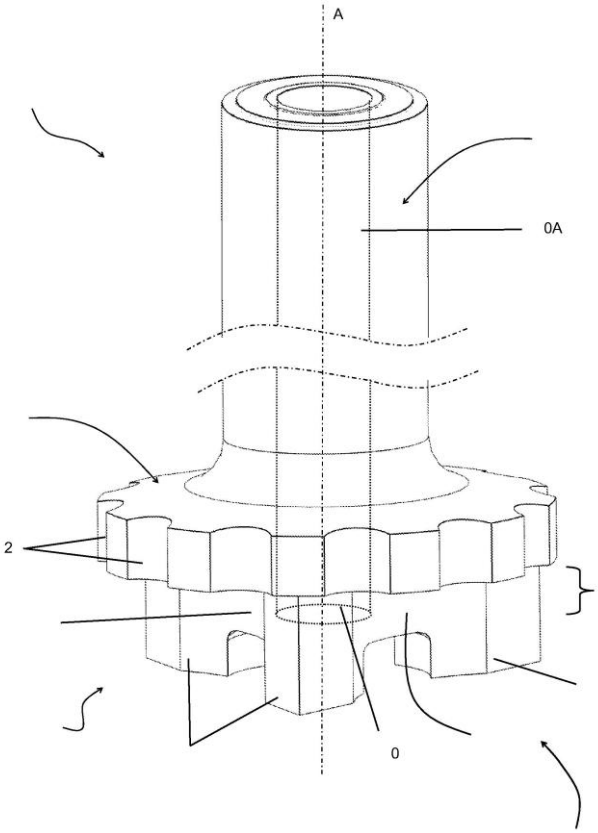
A carton for holding a plurality of containers includes a plurality of panels extending at least partially around an interior of the carton, the plurality of panels including a top panel, a bottom panel, and at least one side panel, a plurality of end flaps foldably connected to a respective panel of the plurality of panels and overlapped to form at least one closed end of the carton, and handle features for facilitating lifting and/or carrying of the carton, the handle features including at least one handle opening in the top panel, a first line of weakening in the top panel extending from the at least one handle opening, and a second line of weakening in the top panel, the first line of weakening and the second line of weakening offset from one another.



21: 2025/03381. 22: 2025/04/22. 43: 2025/12/10
51: B22D; F27D
71: Foseco International Limited
72: SCHMEISSER, Dirk, SIMON, Ronny, BERNDT, Kerstin
33: EP(GB) 31: 22197556.8 32: 2022-09-23
54: ROTARY DEVICE FOR TREATING MOLTEN METAL
00: -

A rotor (11) for use in the treatment of molten metal. The rotor (11) comprises a roof (12) having a central axis (A) and comprising a plurality of peripheral cut-outs (18). An intermediate plate (13) extends axially from the roof (12) and comprises a plurality of sides having arcuate portions (14). A plurality of blades

(15) extend axially from the intermediate plate (13). The rotor is intended for use in casting operations, particularly in the treatment of non-ferrous metals.



21: 2025/03439. 22: 2025/04/23. 43: 2025/12/10
51: B29B
71: FLSmidth A/S
72: LARSEN, Peter Sommer, VENDELBO, Søren Bastholm, RAGHUNATHAN, Rajeesh, PERUMAL, Shanmugam
33: IN 31: 202241061439 32: 2022-10-28
54: METHOD AND APPARATUS FOR RECYCLING COMPOSITE MILL LINERS
00: -
The present invention relates to method and apparatus for recycling composite mill liners. This invention is preferably concerned with an optimized method of recycling worn out composite mill liners by effectively disassembling the composite into metal and rubber parts that can be reused, as well as a mobile apparatus for carrying out the method.

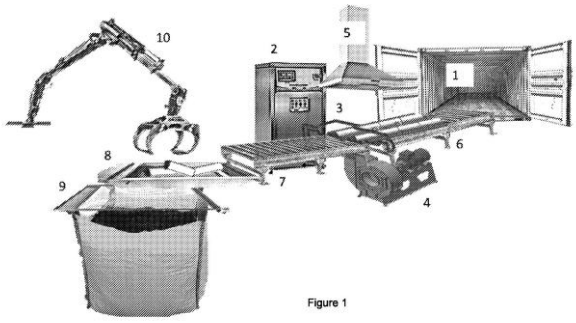
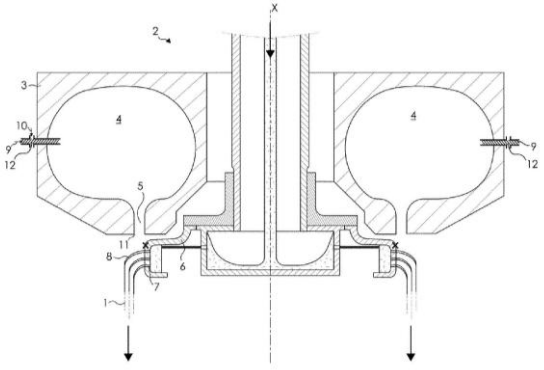


Figure 1

21: 2025/03503. 22: 2025/04/24. 43: 2025/12/10
51: C03B; F23C; F23D
71: Saint-Gobain Isover
72: VERDIER, Antoine, SHARMA, Ayush
33: FR 31: 2211509 32: 2022-11-04
54: METHOD FOR PRODUCING MINERAL FIBERS BY MEANS OF LOW-CARBON-EMISSION CENTRIFUGAL SPINNING
00: -
The present invention relates to a method for producing mineral fibres using an installation comprising an annular burner, the burner comprising a combustion chamber and a nozzle, the nozzle connecting the combustion chamber to the outside of the burner, a fiber spinner suitable for forming filaments by means of centrifugal spinning, the method comprising at least one step of injecting a first fluid into the combustion chamber at a first flow rate, the first fluid comprising a fuel, the fuel comprising dihydrogen, the volume fraction of dihydrogen in the first fluid being greater than 0.05. The pressure in the combustion chamber is between 1961 Pa and 7845 Pa.



21: 2025/03571. 22: 2025/04/25. 43: 2025/12/10
51: H04L
71: Thales

72: LE MARTRET, Christophe, LETURC, Xavier
33: FR 31: 2211186 32: 2022-10-27
54: METHOD FOR PREDICTING THE PACKET ERROR PROBABILITY OF A RADIO LINK USING DEEP NEURAL NETWORKS
00: -

The invention relates to a prediction method for predicting a predicted packet error probability (I) of a radio link (L_R) between a transmitter and a receiver in a wireless communication network for a plurality of modulation and coding schemes (MCS), the prediction method comprising: - a step of receiving a SNR vector (S); - a step of determining a calibration parameter vector (c) from the SNR vector (S), the step of determining the calibration parameter vector (c) being performed using a deep neural network (DNN) architecture; - a step of processing the calibration parameters using a differentiable mathematical function (f (c,S)) to obtain the predicted equivalent signal-to-noise ratio ($\hat{\gamma}$). - a step of Gaussian mapping to determine the predicted packet error probability (I) from the predicted equivalent signal-to-noise ratio ($\hat{\gamma}$).

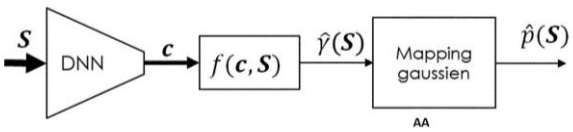


FIG. 3

$\hat{p}$ (I)

AA Gaussian mapping

21: 2025/03578. 22: 2025/04/25. 43: 2025/12/10
51: B09C; B09B
71: Albemarle Corporation
72: ZHANG, Zhaorong, PINGREE, Kim Sehye, MILLER, Jon E., GE, Zhongxin
33: US 31: 63/419,524 32: 2022-10-26
54: PROCESSES FOR REDUCING ENVIRONMENTAL AVAILABILITY OF ENVIRONMENTAL POLLUTANTS
00: -

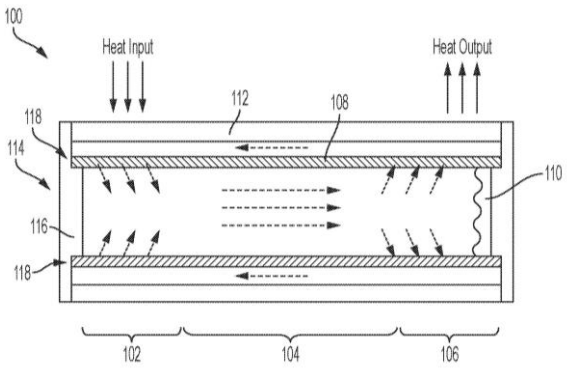
This invention provides processes for reducing the environmental availability of one or more environmental pollutants in solids, liquids, and combinations of solids and liquids.

21: 2025/03659. 22: 2025/04/29. 43: 2025/12/10
51: B02C; B09B; C22B; H01M
71: AGR Lithium Inc.
72: TYAGI, Vipin, NAIK, Amol, CHADHA, Nishchay
33: US 31: 63/420,959 32: 2022-10-31
54: METHOD AND SYSTEM FOR SEPARATING BLACK MASS FROM ELECTRODES OF SPENT LITHIUM ION BATTERIES
00: -

A method for separating black mass from electrodes of spent lithium ion batteries includes separating electrode pieces from remainder of material of a portion of a spent lithium ion battery. The electrode pieces are heated to a temperature in a range from about 200 °C to about 350 °C for a predetermined period of time to obtain pre-heated electrode pieces. The pre-heated electrode pieces are disposed in a neutral liquid to obtain a first suspension. Ultrasound vibrations are applied to the first suspension to separate the black mass and the binder from the metal pieces. Metal pieces, binder material and black mass from the electrode pieces are then segregated to obtain black mass.

21: 2025/03716. 22: 2025/04/30. 43: 2025/12/10
51: B21F; B22F; B23P; F28D; G21C
71: Westinghouse Electric Company LLC
72: LAPRESTI, Michael A., LOJEK III, John, BLUNT, Rory A.F., NESTOR, Christopher M., BRUNER, Brandon H., GROSS, David M.
33: US 31: 63/380,329 32: 2022-10-20
54: MANUFACTURE OF HEAT PIPE WICKS UTILIZING IN-SITU ROLLING AND HYDROFORMING DEVICE
00: -

An in-situ wick rolling and forming assembly configured to roll and form a wick for a heat pipe from a wick mesh. The in-situ wick rolling and forming assembly includes a first forming shell, a slotted mandrel, and an expandable member. The first forming shell is configured to form the wick in-situ after the rolling of the wick mesh. The first forming shell includes a first recess and a first parting surface. A first central axis of the first recess is positioned below the first parting surface. The slotted mandrel is removably positionable in the first recess.

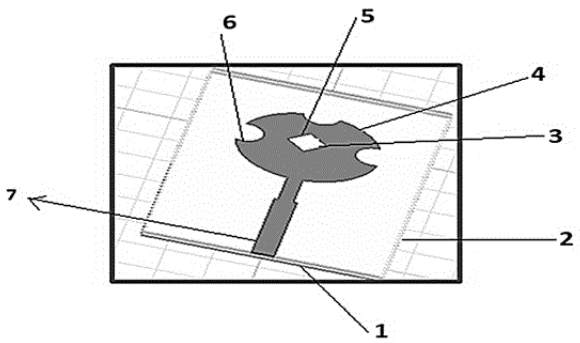


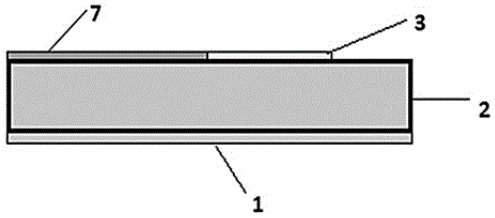
21: 2025/03775. 22: 2025/05/05. 43: 2025/12/08
51: H01Q
71: Dr. Mugdha Anand Kango
72: Dr. Mugdha Anand Kango

54: FLEXIBLE ULTRA-WIDEBAND (UWB) WEARABLE ANTENNA USING POLYTETRAFLUOROETHYLENE (PTFE) SUBSTRATE FOR WIRELESS COMMUNICATION APPLICATIONS

00: -

A flexible ultra-wideband (UWB) antenna for wearable applications is disclosed. The antenna utilizes a polytetrafluoroethylene (PTFE) substrate due to its flexibility, low dielectric constant, low loss tangent, and thermal and moisture resistance. The antenna structure includes a circular radiating patch with a central slot and peripheral modifications to enhance bandwidth and radiation characteristics. It is designed for integration into smart wearables, enabling high-speed short-range wireless communication while ensuring user safety through low SAR values.



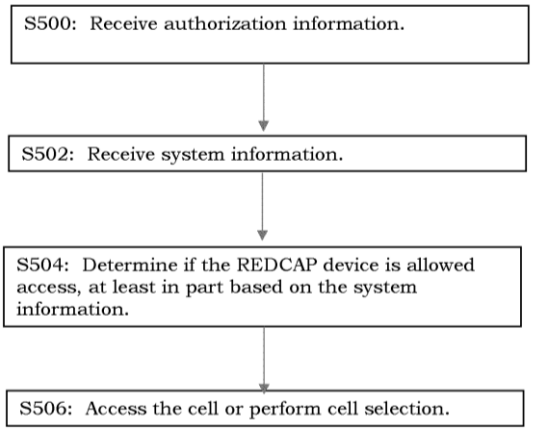


21: 2025/03819. 22: 2025/05/06. 43: 2025/12/08
51: H04W
71: NOKIA TECHNOLOGIES OY
72: KOSKINEN, Jussi-Pekka, TURTINEN, Samuli, Heikki, KAIKKONEN, Jorma, Johannes
33: US 31: 63/021,819 32: 2020-05-08

54: METHOD OF PROVIDING ACCESS FOR REDUCED CAPABILITY DEVICES, USER EQUIPMENT, AND BASE STATION THEREOF

00: -

The method at the user equipment (UE) includes first receiving authorization information, the authorization information including configuration data for reduced capability (REDCAP) devices in the communication network, second receiving system information from at least one first base station serving a first cell, the system information including information specific to a device category associated with the UE, determining access information for the first cell, based at least in part on the system information and the authorization information, and accessing the first cell, or identifying a second cell. The user equipment and the base station are configured to perform the method, thereof.

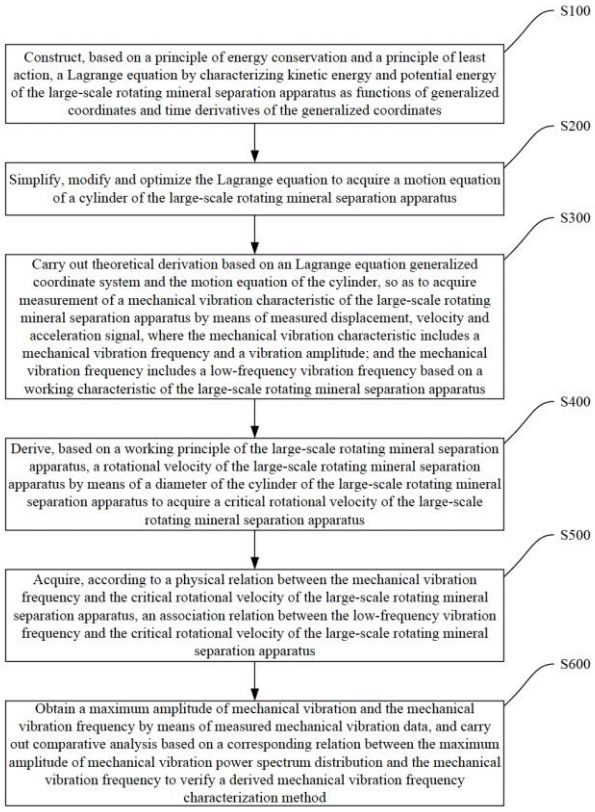


21: 2025/03925. 22: 2025/05/08. 43: 2026/01/26
51: G01M
71: CHINA 15TH METALLURGICAL CONSTRUCLION GROUP CO., LTD., BGRIMM TECHNOLOGY GROUP, NORTHEASTERN UNIVERSITY
72: WANG, Haijun, LIU, Jianbo, XING, Zhihua, ZHAO, Xulin, XU, Xiaochuan, ZHU, Kunlei, XIE, Lianku, JIN, Junchao, ZHU, Zhenguo, ZHU, Binglong, SUN, Guiai, LU, Dong, LIU, Yang, DUAN, Yun
33: CN 31: 202410355014.9 32: 2024-03-27

54: LOW-FREQUENCY MECHANICAL VIBRATION FREQUENCY CHARACTERIZATION METHOD FOR LARGE-SCALE ROTATING MINERAL SEPARATION APPARATUS

00: -

Provided is a low-frequency mechanical vibration frequency characterization method for a large-scale rotating mineral separation apparatus. The method includes: constructing a Lagrange equation; simplifying, modifying and optimizing the Lagrange equation to acquire a motion equation of a cylinder of the large-scale rotating mineral separation apparatus; carrying out theoretical derivation to acquire measurement of a mechanical vibration characteristic of the large-scale rotating mineral separation apparatus by means of measured displacement, velocity and acceleration signal; deriving a rotational velocity of the large-scale rotating mineral separation apparatus by means of a working characteristic and cylinder parameters of the large-scale rotating mineral separation apparatus to acquire a critical rotational velocity of the large-scale rotating mineral separation apparatus; and acquiring, according to a physical relation between the mechanical vibration frequency and the critical rotational velocity, an association relation between the mechanical vibration frequency and the critical rotational velocity of the rotating mineral separation apparatus.



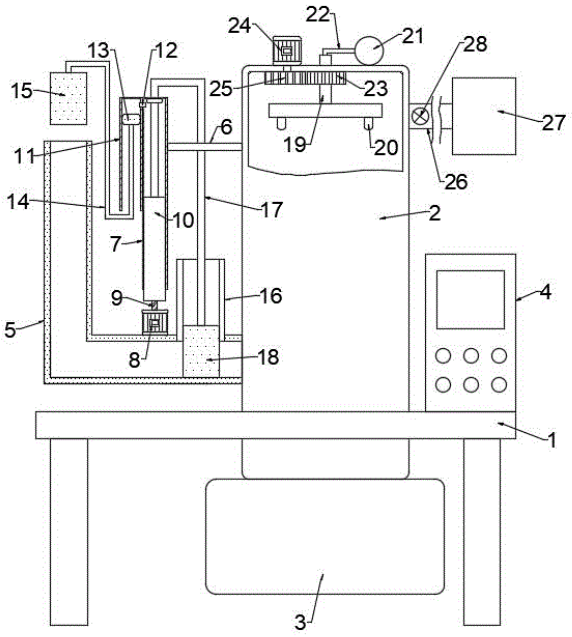
21: 2025/03946. 22: 2025/05/09. 43: 2026/01/26
51: B01D
71: JiangXi RunDa New Materials Co., Ltd.
72: WU Zhonggan

54: FATTY ACID DISTILLATION TOWER WITH SEALING STRUCTURE

00: -

The present invention discloses a fatty acid distillation tower with a sealing structure, comprising a frame. An upper side wall of the frame is fixedly and penetratively provided with a distillation tower body. A top of the distillation tower body is provided with a flow-disturbing mechanism, and a bottom of the distillation tower body is fixedly provided with a steam generator. A side wall of the distillation tower body is fixedly and communicatively provided with a right-angle feed pipe, and the right-angle feed pipe is provided with a sealing mechanism. The sealing mechanism comprises a fixed frame fixedly connected to the side wall of the distillation tower

body, and an end of the fixed frame away from the distillation tower body is fixedly connected to a first fixed cover. By sealing the upper port of the right-angle feed pipe with a first sealing plug, the invention enhances the sealing performance of the device, thereby preventing heat loss inside the tower. Meanwhile, through the synchronous reverse movement of a second sealing plug relative to the first sealing plug, the invention ensures that no high-temperature gas escapes during the feeding process, achieving the objectives of protecting workers and conserving energy. Consequently, the production efficiency of the distillation tower is improved.

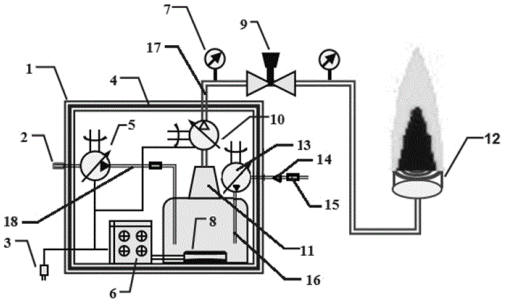


21: 2025/03947. 22: 2025/05/09. 43: 2026/01/26
51: F02M
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, JING 'AN (HENAN) NEW ENERGY TECHNOLOGY DEVELOPMENT CO., LTD
72: LIU Yu, LOU Tong, KONG Youfang, NIU Zhehui, DONG Shanshan, CHENG Shunjing

54: FUEL ATOMIZATION DEVICE BASED ON HIGH-FREQUENCY ULTRASONIC OSCILLATION TECHNOLOGY

00: -

The present invention discloses a fuel atomization device based on high-frequency ultrasonic oscillation technology, belonging to the technical field of fuel combustion assistance. The device includes: a housing, inside which a sealed container is fixedly connected; a resonant plate fixedly connected inside the sealed container; and an ultrasonic drive board fixedly connected inside the housing, where the ultrasonic drive board is electrically connected to the resonant plate to drive its vibration; the sealed container is connected to an oil inlet through an oil inlet pipeline equipped with an oil pump; and to an air inlet through an air inlet pipeline equipped with an air inlet pump. The top of the sealed container communicates with an air outlet pipeline that extends out of the housing and connects to a burner. Through integrated design of high-frequency ultrasonic oscillation technology with a gas-liquid supply system, the invention achieves an efficient and precise fuel atomization process.



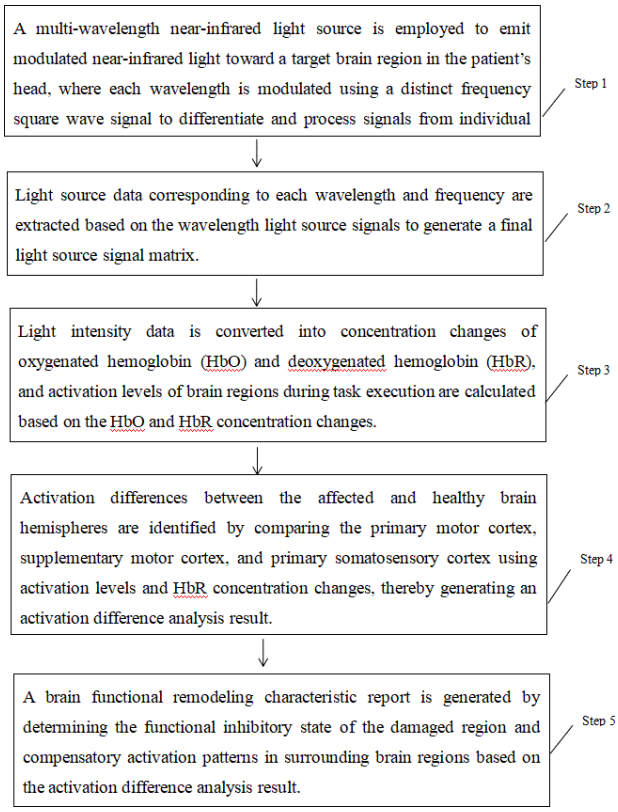
21: 2025/03948. 22: 2025/05/09. 43: 2026/01/26
51: A61B
71: Lishui Second People's Hospital
72: Kunqiang YU, Ri XU, Lixiu WU, Minya ZHOU

54: A METHOD FOR ANALYZING NEAR-INFRARED BRAIN FUNCTIONAL IMAGING DATA

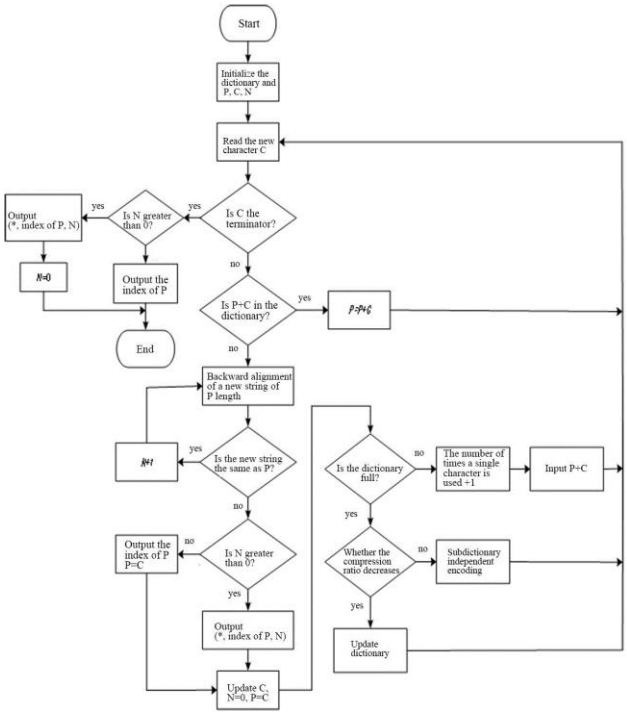
00: -

The present invention provides a near-infrared brain function imaging data analysis method, which relates to the field of neuroscience technology. The method comprises: emitting modulated near-infrared light to the target brain area of the patient's head through a multi-wavelength near-infrared light source , and modulating each wavelength of the light source using a square wave signal of a different frequency, distinguishing and processing the signals from each wavelength light source ; extracting the light intensity data corresponding to each wavelength and frequency according to the signal of the wavelength light source to generate a final light intensity signal

matrix ; converting the light intensity data into the concentration change of oxyhemoglobin and deoxyhemoglobin , and calculating the value of the activation degree of each brain area when performing a task according to the concentration change of oxyhemoglobin and deoxyhemoglobin . The present invention provides strong technical support for the diagnosis of nervous system diseases and the evaluation of rehabilitation effects through the differences in brain area activation and functional remodeling characteristics.

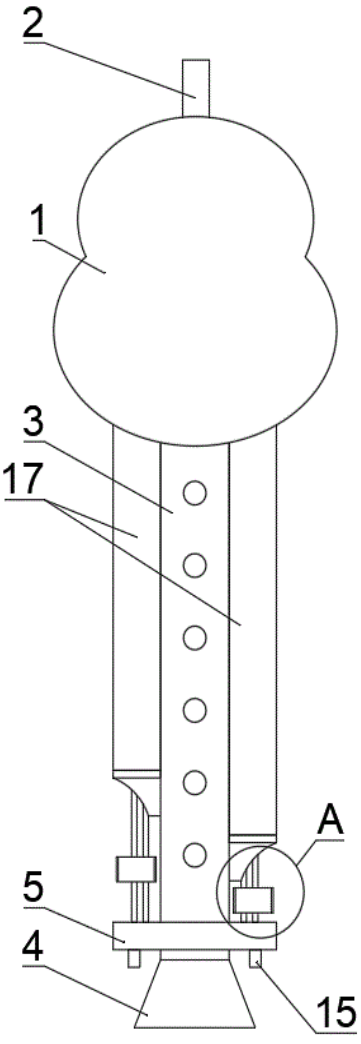


21: 2025/03949. 22: 2025/05/09. 43: 2026/01/26
51: H04L
71: Zhejiang University of Science and Technology
72: Zhenyu Zhang, Chuitao Sun, Yijie Wang, Jian Zhou, Chunxiang Yu, Zibo Jin, Shihui Ni
54: AN OPTIMIZED LZW DATA COMPRESSION ALGORITHM FOR WIRELESS SENSOR NETWORKS
00: -
The invention relates to the technical field of data compression algorithm, in particular to an optimized LZW data compression algorithm for wireless sensor networks. Based on the LZW algorithm, the algorithm optimizes the coding process by maintaining three variables: prefix character P, new single character C to be compressed and number of repetition N, so as to improve the compression efficiency and compression rate. The advantages are as follows: the optimized LZW data compression algorithm for wireless sensor network is proposed by optimizing the coding mode and introducing the double dictionary mechanism to optimize the LZW algorithm, so as to effectively improve the compression rate and reduce the generation of redundant entries in the dictionary.



21: 2025/03950. 22: 2025/05/09. 43: 2026/01/26
51: G10D
71: Henan University of Urban Construction, Pingdingshan University
72: LIU Peipei, TAN Yuan, LI Xi, ZHU Chenrui, GUO Yixian
54: ADJUSTABLE-PITCH CUCURBIT FLUTE
00: -
The present invention relates to the field of gourd silk technology and discloses an adjustable-pitch cucurbit flute, which includes a gourd body, with a mouthpiece arranged at the top of the gourd body, a main sound pipe fixedly connected to the bottom of the gourd body, and an inlay head fixedly connected to the bottom of the main sound pipe; a pitch adjustment assembly, including two auxiliary sound pipes and two adjusting members; the two auxiliary

sound pipes are fixedly connected to the gourd body and located on both sides of the main sound pipe; the two adjusting members are arranged inside the two auxiliary sound pipes, respectively; a support assembly, including two support frames and two connecting members; the two support frames are spliced into a frame structure via the two connecting members; the frame structure is installed at the bottom of the main sound pipe, and the two adjusting members are installed at both ends of the frame structure; a sealing assembly, including two sealing members, arranged on the two adjusting members, respectively. The invention has a simple structure, convenient installation, and achieves convenient and stable adjustment of the cucurbit flute, ensuring its performance.



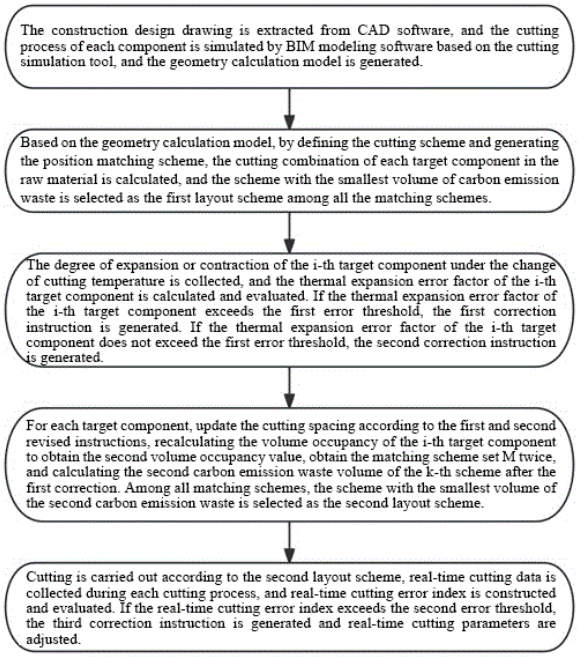
21: 2025/03951. 22: 2025/05/09. 43: 2026/01/26
51: G06Q

71: China Railway First Group Construction Installation Engineering Co., Ltd., China Railway First Group Co., Ltd., Kunming Metallurgy College
72: Wei Liu, Shouben Wang, Pan Zhang, Xiong Gao, Binnan Yang, Yan Li, Baijing Yan, Guang Li, Liwei Liang, Yansheng Wu, Xiaowei Liu, Yansong Zhao, Wei Gao, Yinxi Zhou, Wenchun Li, Zhong Yang
33: CN 31: 202411626909.8 32: 2024-11-14

54: A CARBON EMISSION OPTIMIZATION METHOD FOR BUILDING CONSTRUCTION BASED ON BIM DATA

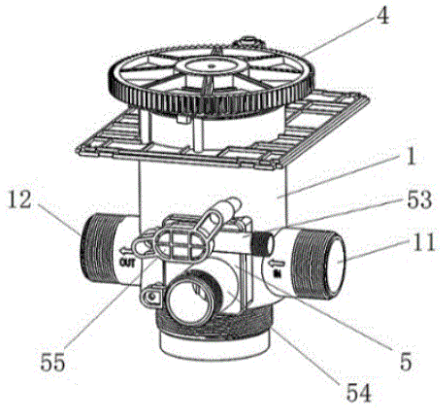
00: -

The invention discloses a carbon emission optimization method for building construction based on BIM data, which pertains to the technical field of building construction management. This method, driven by BIM data, precisely calculates and simulates the cutting process of each target component, selects the optimal cutting scheme, minimizes the generation of waste, optimizes material utilization, and effectively reduces carbon emissions. Meanwhile, considering the influence of temperature changes on materials during the cutting process, the invention introduces a thermal expansion error factor calculation and its first and second correction instructions to further enhance cutting accuracy. By dynamically adjusting the cutting intervals, not only is the construction accuracy improved, but also the material waste caused by thermal expansion errors is reduced, thereby lowering the related carbon emissions. It includes multiple optimization stages, ensuring the minimization of carbon emissions and waste volume in each cutting process through meticulous cutting scheme design, real-time data monitoring, and error correction.



21: 2025/03958. 22: 2025/05/09. 43: 2026/01/27
51: F16K
71: Zhengzhou Kangrun Fluid Equipment Co., Ltd.
72: Kefeng ZHANG
33: CN 31: 202211611750.3 32: 2022-12-15
33: CN 31: 202223362008.1 32: 2022-12-15
54: MULTIFUNCTIONAL SOFTENER VALVE
00: -

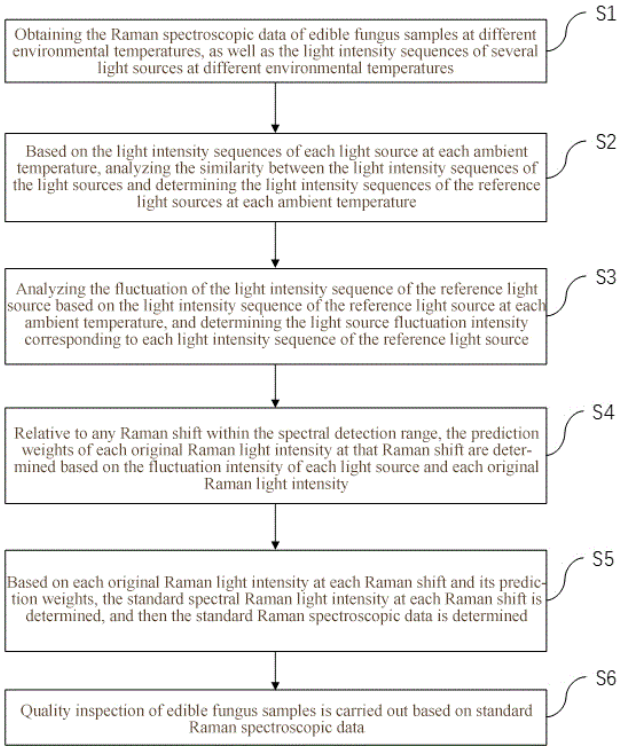
The present invention relates to the technical field of water treatment softener valves, and provides a multifunctional softener valve, comprising a valve body, a movable valve disc, a fixed valve disc, and a driving device. The side wall of the valve body is provided with a water inlet, a water outlet, a drainage port, a water passage port, and a regenerant inlet; the valve body is provided with an inner chamber and an outer chamber; the inner chamber comprises a central drainage cavity, a working cavity, a backwashing cavity, a regeneration cavity, a blind cavity, a forward washing cavity, and a water injection cavity; a water blocking structure is provided at the backwashing cavity or the water outlet; a first filter element interface and a second filter element interface are provided at the bottom of the valve body; the fixed valve disc is provided with a central through hole, a first through hole, a second through hole, a third through hole, a blind plate, a fourth through hole, and a fifth through hole; the movable valve disc is provided with a central blind hole, a water inlet through hole, a first blind hole, a second blind hole, a third blind hole, a fourth blind hole, a fifth blind hole, a drainage blind hole, a sixth blind hole, a seventh blind hole, and an eighth blind hole. The fixed valve disc and the movable valve disc work in conjunction to realize the functions of water production, backwashing, regeneration, forward washing and water injection, so that the softener valve has a more excellent structure and better performance.



21: 2025/03959. 22: 2025/05/09. 43: 2026/01/27
51: G01N
71: Shandong Academy of Agricultural Sciences
72: Wenliang Wang, Yansheng Wang, Zhiqing Gong, Wenjia Cui, Shasha Song, Furong Hou, Fengjuan Jia, Jian Zhang, Junyan Shi
33: CN 31: 202411011354.6 32: 2024-07-26
54: DETECTION METHOD FOR THE QUALITY OF EDIBLE FUNGI BASED ON SPECTRAL CHARACTERISTICS
00: -

The present invention relates to the technical field of analyzing materials by optical means, specifically to a quality detection method for edible fungi based on spectral characteristics, including: obtaining the original Raman spectroscopic data of edible fungi samples at different environmental temperatures and the light intensity sequence of the reference light source, and determining the fluctuation intensity of the light source based on the light intensity sequence of the reference light source; Combining the fluctuation intensity of the light source and the original Raman spectroscopic data at different environmental temperatures, the prediction weights of each original Raman light intensity at each Raman shift are determined. Based on the original Raman

light intensity and its prediction weights, the standard spectral Raman light intensity at each Raman shift is determined, and then the standard Raman spectroscopic data is determined. Quality inspection of edible fungus samples is carried out based on standard Raman spectroscopic data. The present invention improves the detection accuracy of edible fungus quality inspection by reducing the interference of baseline drift effect on the Raman spectral analysis of edible fungus samples.

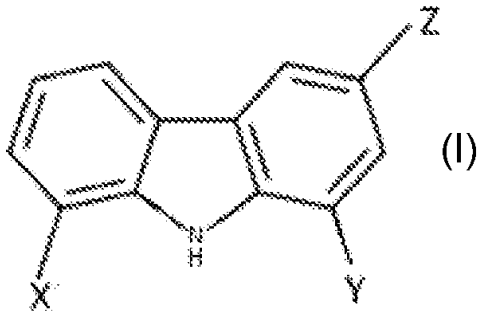


21: 2025/03966. 22: 2025/05/09. 43: 2026/01/27
51: A61K; C07D
71: PILLAI UNIVERSAL LLC
72: PILLAI, Baskaran, M.G., Dinesh
33: IN 31: 202241058962 32: 2022-10-15

54: NOVEL THERAPEUTIC MOLECULE

00: -

The present invention discloses a compound of structural formula (I) or a pharmaceutically acceptable salt thereof; in which Y is selected from group comprising of unsubstituted or substituted 1. linear aliphatic alkoxy group, 2. branched aliphatic alkoxy group, 3. linear aliphatic alkenyl/alkynyl oxy group, 4. branched aliphatic alkenyl/alkynyl oxy group, 5. aryloxy group and 6. heteroaryloxy group; Z is selected from group comprising of unsubstituted or substituted 1. linear aliphatic alkyl hydroxyl group, 2. branched aliphatic alkyl hydroxyl group, 3. linear aliphatic Alkenyl/ Alkynyl hydroxyl group, 4. branched aliphatic Alkenyl/ Alkynyl hydroxyl group, 5. aromatic hydroxyl group and 6. heteroaryl hydroxyl group.



(I)

21: 2025/03971. 22: 2025/05/09. 43: 2026/01/27
51: A01G; A01C
71: XINYANG ACADEMY OF AGRICULTURAL SCIENCES, ZHEJIANG RESEARCH INSTITUTE OF LANDSCAPE PLANTS AND FLOWERS
72: ZHANG, Lixia, ZHONG, Sizhi, SHI, Pengfei, AN, Xia, LIU, Yao, WEI, Yimiao, CHENG, Jie, LV, Yuhu, NIE, Liangpeng, ZHANG, Lin, DING, Li, DU, Guanghui, LI, Mei, CHEN, Yingxia, LING, Jingwei, DING, Yingxin

54: METHOD FOR IMPROVING SOIL WITH CONTINUOUS CROPPING OBSTACLES IN JUTE PLANTING

00: -

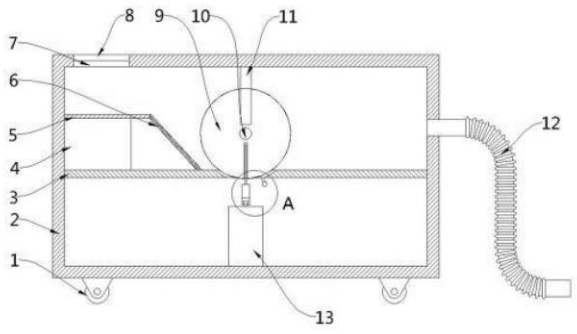
The present invention discloses a method for improving soil with continuous cropping obstacles in jute planting, comprising the following steps: S1. Soil testing and planning: (1) measure soil pH value, organic matter content, nitrogen phosphorus potassium and trace element content in soil, facilitating the clarification of nutrient imbalances; (2) detect pathogen and egg density; S2. Soil pH regulation: (1) spread quicklime or dolomite powder in the jute field, determine the amount according to the pH value, gradually adjust the soil to neutral to regulate acidic soil; (2) irrigation and salt washing, application of humic acid amendments, adsorption of salt and promotion of leaching to regulate saline soil. By implementing the above methods comprehensively, it can gradually repair the soil with continuous cropping obstacles, thereby restoring the yield and quality of jute, and improving the sustainable utilization capacity of the soil.

21: 2025/03973. 22: 2025/05/12. 43: 2026/01/27
51: E01H
71: Tarim University
72: NIU Hao, MA Jiale, CHEN Peiyu, ZHANG Yongcheng, LIU Yang

54: LEAF COLLECTION DEVICE

00: -

The present invention provides a leaf collection device, which belongs to the technical field of sanitation equipment. The device comprises a box body, one side of which is connected to a feed pipe. A partition plate is fixed inside the box body. A negative-pressure fan is arranged on one side of the upper part of the partition plate away from the feed pipe. A first crushing assembly is arranged on the upper part of the partition plate, and a second crushing assembly is arranged on the lower part of the partition plate. The first crushing assembly includes a rotating shaft controlled by an external motor and a plurality of cutting wheel discs fixed on the rotating shaft at intervals. The partition plate is provided with second notches allowing the cutting wheel discs to enter. The bottom end of the partition plate near the feed pipe is provided with an electric push rod, the output end of which is connected to a tray. The tray corresponds to the outlet end of the feed pipe. A plurality of magnet blocks are fixed on the tray. A maintenance opening is formed on the top wall of the box body, corresponding to the tray, and a maintenance door is buckled on the maintenance opening. The invention can significantly improve the crushing and refining degree of leaves, thereby enhancing the crushing effect.



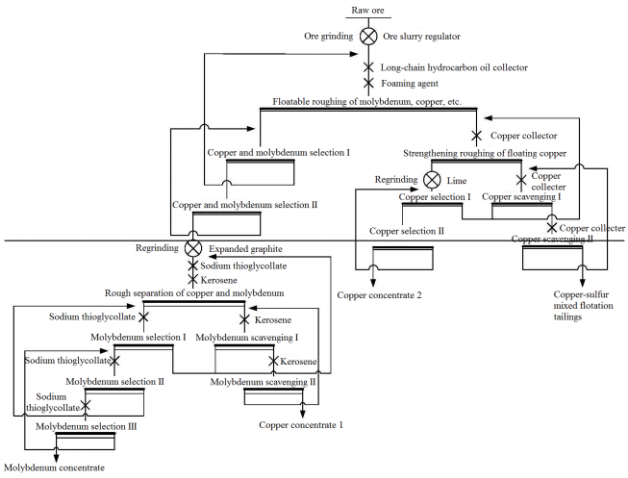
21: 2025/03974. 22: 2025/05/12. 43: 2026/01/27
51: B03D
71: Central South University
72: JIANG Feng, TANG Honghu

33: CN 31: 202411029595.3 32: 2024-07-30

54: METHOD FOR FLOTATION SEPARATION OF COPPER-MOLYBDENUM ORE

00: -

The invention provides a method for flotation separation of copper-molybdenum ore. The method includes following steps: S1, grinding the copper-molybdenum ore to obtain copper-molybdenum ore slurry, and adjusting pH value of the copper-molybdenum ore slurry to 7.5-9.5 by adding ore slurry regulator, and potential is 200-300 mV; S2, adding a collector and a foaming agent into the copper-molybdenum ore slurry for rough flotation to obtain flotation concentrate and flotation tailings; subjecting the flotation concentrate to blank selection to obtain copper-molybdenum mixed concentrate; S3, mixing and grinding the copper-molybdenum mixed concentrate with expanded graphite to obtain copper-molybdenum mixed concentrate slurry, and obtaining molybdenum concentrate and copper concentrate I through primary roughing and multiple cleaning; S4, subjecting the flotation tailings to primary roughing and multiple cleaning to obtain copper concentrate II. The invention can reduce the influence of lime on the recovery of copper and molybdenum, and greatly improve the flotation recovery rate of copper and molybdenum; at the same time, the dosage of copper-molybdenum separation inhibitor can be greatly reduced, and clean and efficient flotation recovery of copper-molybdenum ore can be realized.



21: 2025/03976. 22: 2025/05/12. 43: 2026/01/27
51: G01N
71: Anhui Science and Technology University

72: ZHEN Fengxian, XI Qiuya, SHAO Qingqin, CHENG Bin, YANG Ning

54: METHOD AND SYSTEM FOR MONITORING GROWTH STATUS AND PREDICTING YIELD OF UPLAND RICE BASED ON UNMANNED AERIAL VEHICLE (UAV) MULTISPECTRAL IMAGES

00: -

The present invention provides a method and a system for monitoring growth status and predicting yield of upland rice based on unmanned aerial vehicle (UAV) multispectral images, falling within the technical field of smart agriculture. The present invention acquires canopy images from the tillering stage to the filling stage using a UAV multispectral sensor, combines multi-temporal spectral features with texture features of red-green-blue (RGB) images, and constructs a multi-dimensional dataset integrating spectral-texture features. It employs a random forest algorithm to establish inversion models for leaf area index (LAI), leaf nitrogen content (LNC), and biomass, and realizes yield prediction by integrating features from multiple growth stages via XGBoost. Innovatively introducing red-edge bands and texture analysis, the present invention overcomes the saturation limitation of vegetation indices under high-density populations and supports applications across multiple varieties and nitrogen fertilizer gradients.

21: 2025/03977. 22: 2025/05/12. 43: 2026/01/20

51: G06Q

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: WANKHEDE, Disha Sushant, MARAL, Vikas, KARNIK, Madhuri Prashant, BOGIRI, Nagaraju, MISHRA, Vaishali, GAIKWAD, Vidya Shrimant, KANAKI, Atharva Prashant, LIMBIKAI, Tejas, MAHAJAN, Pranav Vinayak, MALVE, Mohit, PAGRIYA, Om Mayur

54: AN AI ARCHITECTURE BASED PERSONALIZED CLOTHES RECOMMENDATION SYSTEM ON E-COMMERCE

00: -

The present invention is related to an AI architecture based personalized clothes recommendation system on E-commerce. The most fundamental aspect in the way users can be engaged more actively in the contemporary epoch of online shopping is through customization. Considering this, this invention provides a highly optimized clothes recommendation system based on such methods as CNN, ResNet50 and reinforcement learning Deep Q-Network which focuses on providing effective clothing recommendations. Users can use the system through a swipe interface- swipe left to show dislike and right to show like in the item. The DQN algorithm helps users' ratings to recommend other related items in future by allowing the system to learn on users actions such as liking items or avoiding other items due to their suggestions. The CNN and ResNet50 implement separate parts of the AI architecture focusing on the retention of essential features concerning the fashion domain of the items offered in front of the user such as color, pattern, and texture. Using reinforcement learning, DQN adjusts and improves the making of recommendations so that the users are always satisfied and that the system is adapted to their needs. The above-discussed approach has given consumers a more concentrated and dynamic experience, boosting the accuracy of each user's fashion product recommendation.

21: 2025/03978. 22: 2025/05/12. 43: 2026/01/20

51: G06F

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MESHRAM, Revat, KRISHNA, Sachith, SAPNAR, Samiksha, PATIL, Rutuja Rajendra, KULKARNI, Omkaresh Sakharam, SHINDE, Gitanajali Rahul, BOBHATE, Grishma Yadav, DESHPANDE, Yogesh, CHAVHAN, Pranali Gajanan, MAHALLE, Parikshit N.

54: AN INTELLIGENT PREDICTIVE MAINTENANCE SYSTEM FOR ENHANCING LONGEVITY IN ROBOTICS AND AUTOMOTIVE SYSTEMS

00: -

The present invention is related to an intelligent predictive maintenance system for enhancing longevity in robotics and automotive systems. The new system of the invention creates a prediction system for robot and car maintenance. This system utilizes real-time data analytics and IoT sensors with AI-driven predictive algorithms to provide machines with improved operational reliability and lifespan. Parameters such as temperature, vibration, and fluid levels of critical components of robotic and automotive systems, which include motors, sensors, and mechanical parts, are continuously monitored by the system. It predicts probable failures before they

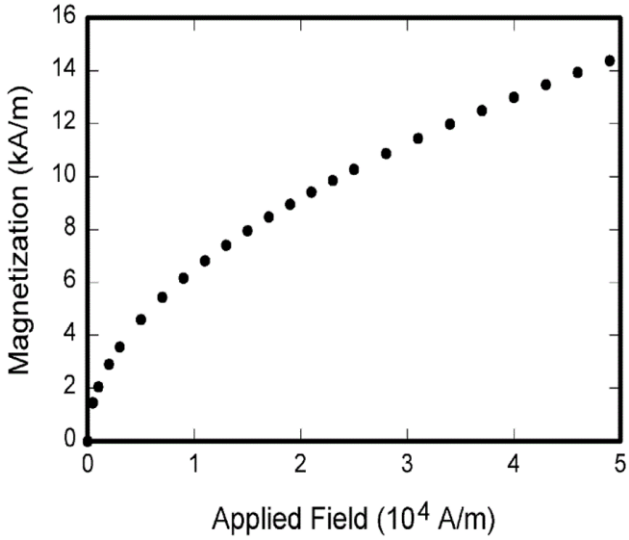
occur. Advanced machine learning techniques can optimize time for maintenance and bring down downtime. This creation also includes the remote monitoring facility with an application on a smartphone so that the user can have real-time updates, diagnostic reports, and even control machines from anywhere. It makes the robot and car fleet management operate rightly because of this scalable cloud architecture of the system. It saves operation expenses largely by using dynamic adaptive scheduling with proactive maintenance. The machine operates for a long time and prevents wasted repair work. This invention provides a much more robust, data-driven predictive maintenance solution that has a highly efficient alternative in the field of managing robots and cars in industrial, commercial, and consumer environments, as opposed to traditional time-based or reactive maintenance practices.

21: 2025/03979. 22: 2025/05/12. 43: 2026/01/20
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAJPUT, Vaishali S., JAIN, Praneel R., PARMAR, Reet V., JAJU, Parikshit H., PARSEWAR, Pranav V., SUPEKAR, Parth N., AMILKANTHWAR, Parth P.

54: AN INTELLIGENT TRANSPORTATION SYSTEM

00: -

The present invention relates to an intelligent transportation system. It integrates an automatic street lighting module, an automated toll gate management module, a speed monitoring module, and real-time vehicle tracking. Utilizing microcontrollers, sensors, and software-based automation, the system optimizes energy efficiency, enhances road safety, and streamlines traffic management. The automatic street lighting module dynamically adjusts brightness based on ambient light conditions. The automated toll gate module reduces congestion by enabling seamless vehicle entry and exit. The speed monitoring module ensures compliance with traffic regulations, while the real-time tracking module provides crucial vehicle data for security and emergency response applications. The invention offers a scalable and efficient solution for modern transportation infrastructure.

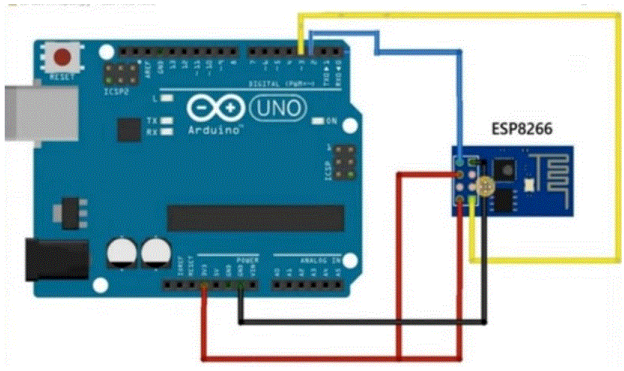


21: 2025/03980. 22: 2025/05/12. 43: 2026/01/20
51: G08G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAJPUT, Vaishali, KAVISHWAR, Adwait, MOMIN, Adnaan, AGIWAL, Yash, AGRAWAL, Vivek, NAGDIVE, Aditya, RATHI, Advay

54: AN AUTOMATIC IOT BASED PARKING LOT

00: -

The present invention relates to an automatic IOT based parking lot. The proposed system utilizing infrared sensors to detect vehicle presence in parking slots in real-time. The system comprises sensor nodes, a central processing unit (e.g., Arduino Uno), a WiFi module, and user interfaces including a mobile application and digital display boards. Infrared sensors monitor each slot, transmitting data to the central unit for processing and updating a database. The WiFi module relays this information to users, reducing search time and traffic congestion. The invention offers energy efficiency, scalability, and high accuracy, enhancing user convenience and parking management in high-traffic areas like shopping malls.



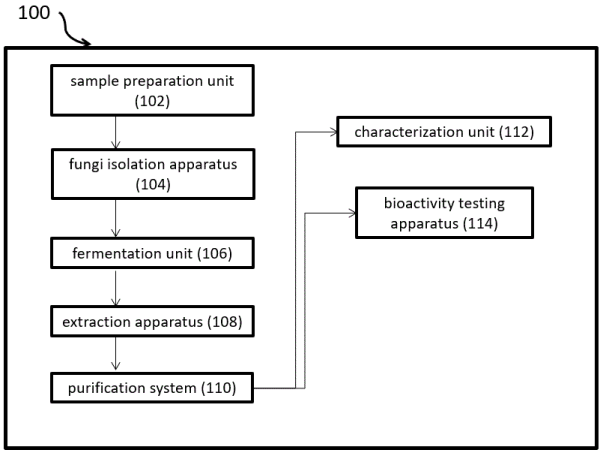
21: 2025/03981. 22: 2025/05/12. 43: 2026/01/27
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESHPANDE, Rupali S., PAGARE, Lokesh, PAGRUT, Kaivalya, PAHADE, Labhesh, PAHARE, Suyash, PAIGUDE, Prathamesh, PAKHARE, Sanika
54: A MACHINE LEARNING-BASED SYSTEM FOR REAL-TIME EMERGENCY VEHICLE DETECTION AND TRAFFIC SIGNAL CONTROL
00: -
The present invention relates to a machine learning-based system for real-time emergency vehicle detection and traffic signal control. The proposed system utilizes machine learning for real-time emergency vehicle detection and dynamic traffic signal control. By leveraging the YOLOv8 deep learning model, the system identifies ambulances in live traffic footage and autonomously modifies traffic signals to prioritize emergency response. The invention integrates real-time video processing, a Python-based control mechanism, and a Tkinter graphical user interface to ensure seamless and efficient traffic signal adjustments. The proposed solution significantly reduces emergency response delays and enhances urban road safety.



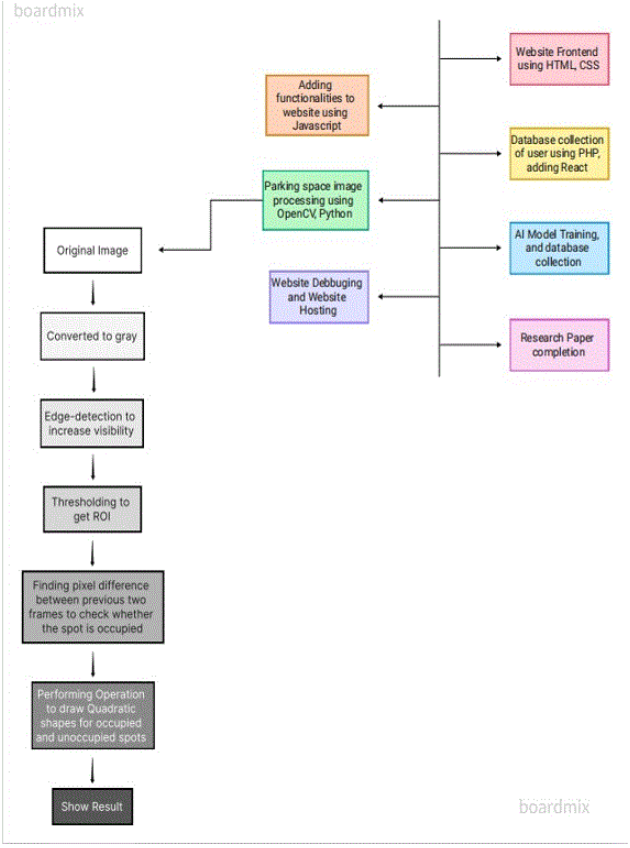
21: 2025/03982. 22: 2025/05/12. 43: 2026/01/27
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BOOTWALA, Ebrahim Aliasgar, KATHURIA, Kartik Pratap, ARGULWAR, Mayuresh Vishwanath, MALI, Aadit Pravin, BHOITE, Sonali Prashant, MOKASHI, Mandar Krishnarao
54: A STREAMLINED PARKING MANAGEMENT SYSTEMS TO OPTIMISE PARKING SPACES FOR USERS AND CARETAKERS
00: -
The present invention is related to a streamlined parking management systems to optimise parking spaces for users and caretakers. The parking management system is mobile solution designed to simulate the optimization of parking spaces for two-wheelers and four-wheelers. It provides users with simulated real-time availability through an interactive map, while caretakers manage parking statuses via an admin interface. The system incorporates user notifications and feedback mechanisms to demonstrate how a fully developed system could enhance parking conditions and user experience.

21: 2025/03983. 22: 2025/05/12. 43: 2026/01/27
51: A61P
71: Dr. Fazilath Uzma, Prof. Srinivas Chowdappa
72: Dr. Fazilath Uzma, Prof. Srinivas Chowdappa
54: GC-MS-GUIDED BIOACTIVE SECONDARY METABOLITES FROM ENDOPHYTIC FUSARIUM SOLANI OF TINOSPORA CORDIFOLIA FOR ANTIMICROBIAL AND THERAPEUTIC APPLICATIONS
00: -
The present invention relates to a system for isolation, extraction, and characterization of bioactive metabolites from endophytic fungi of Tinospora cordifolia. The system synthesized GC-MS-Guided Bioactive Secondary Metabolites from Endophytic Fusarium solani of Tinospora cordifolia for Antimicrobial and Therapeutic Applications. The system comprises specialized units for sample preparation, fungal isolation, solid-state fermentation, solvent-based extraction, chromatographic purification, and advanced spectroscopic characterization. It employs unpolished red rice as a fermentation medium and uses ethyl acetate-based extraction followed by GC-MS, FTIR, and HR-ESI-MS for compound identification. The extracted metabolites undergo antimicrobial and cytotoxicity testing using resazurin

and MTT assays. This integrated approach facilitates the discovery of novel bioactive compounds with pharmaceutical potential, addressing the demand for new antimicrobial and anticancer agents.



21: 2025/03984. 22: 2025/05/12. 43: 2026/01/27
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MORE, Kiran, MOHINKAR, Vishruti, MISAL, Soham, MOGAL, Shubham, MISHAL, Shivam, GANDHE, Mithilesh, MITTAL, Mayank
54: A WEB-BASED PARKING SLOT LOCATOR SYSTEM FOR URBAN AREAS
00: -
The present invention is related to a web-based parking slot locator system for urban areas. This invention address the challenge of finding parking in urban areas. The system leverages computer vision to analyze live video feeds from strategically placed cameras. It detects occupied and vacant parking spaces, displaying them in real-time on a user-friendly web interface built. Users can search for parking availability at their desired location, with green spaces indicating available spots and red spaces signifying occupied ones. Beyond user convenience, the system offers valuable insights into parking patterns for urban mobility optimization and congestion reduction. The commitment to continuous improvement through features like predictive analytic and user feedback mechanisms ensures the solution caters to the evolving needs of both drivers and city planners.



21: 2025/03985. 22: 2025/05/12. 43: 2026/01/27
51: G09B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANKHEDE, Disha Sushant, MISHRA, Vaishali, PANDIT, Dipti, MARAL, Vikas, NARSUGADE, Priya P., BEDAGE, Rutuja R., PHADATARE, Gayatri M.
54: AN AR/VR POWERED REAL-TIME COACHING SYSTEM FOR LIVE REHEARSALS WITH PERFORMANCE ANALYTICS
00: -
The present invention is related to an AR/VR powered real-time coaching system for live rehearsals with performance analytics. The invention is an AR/VR based live rehearsal system which provides real-time feedback in the form of spoken words and on-screen suggestions on the vocal, physical, and emotional aspects of a performance. Using speech recognition, emotion analysis and gesture detection, it provides an artist performing with instant suggestions for improvement. It also comes with AR for immersive stage simulation capture of performance metrics with personalized coaching. The system enhances the efficiency of a

rehearsal and reduces reliance on the human coach by using automated, data-driven feedback.

21: 2025/03986. 22: 2025/05/12. 43: 2026/01/27
51: G01C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESHPANDE, Rupali, PAGAR, Raj, OSWAL, Rakshit, JADHAV, Onkar, PADALWAR, Shiv Kumar, PADHYE, Suchita, PADOLE, Ajinkya

54: A NAVIGATION ASSISTING DEVICE

00: -

The present invention relates to a navigation assisting device. The proposed device enhances safety and convenience through integrated navigation assistance. Featuring an Arduino Uno microcontroller, HC-05 Bluetooth module, and OLED display mounted on a custom arm, the helmet connects wirelessly to a custom Android application. The app, utilizing the Bing Maps API, provides real-time navigation instructions displayed via a heads-up system using a magnifying glass and mirror. Safety is further ensured by IR and gas sensors, which verify helmet usage and detect alcohol consumption, disabling the motorcycle if conditions are unmet. This cost-effective solution reduces distractions, improves situational awareness, and promotes safer riding practices.

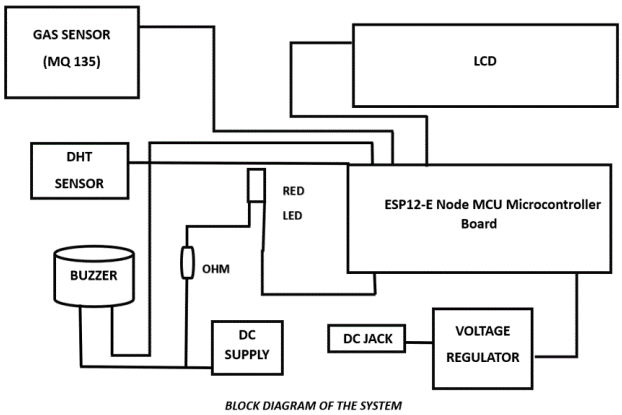


21: 2025/03987. 22: 2025/05/12. 43: 2026/01/27
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DANDAVATE, Prajkta P., BAHETI, Venugopal S., BAGDE, Arhant A., BAGAD, Archit J., BAGADE, Pranav P., BAGAL, Ritesh B., BAGUL, Jineshwari A.

54: AN ENERGY METER MONITORING SYSTEM USING IOT

00: -

The present invention relates to an energy meter monitoring system using IoT. The proposed system enables real-time tracking of electricity consumption, automated billing, and remote accessibility. The system consists of a microcontroller (NodeMCU ESP8266), voltage and current sensors, a Wi-Fi/GSM module, a relay, and an LCD display. It transmits energy consumption data to a cloud-based server, allowing consumers and utility providers to monitor usage via a mobile or web application. The system enhances efficiency, reduces manual intervention, and promotes energy conservation through real-time alerts and appliance control. It provides a cost-effective and scalable solution for modern energy management.



BLOCK DIAGRAM OF THE SYSTEM

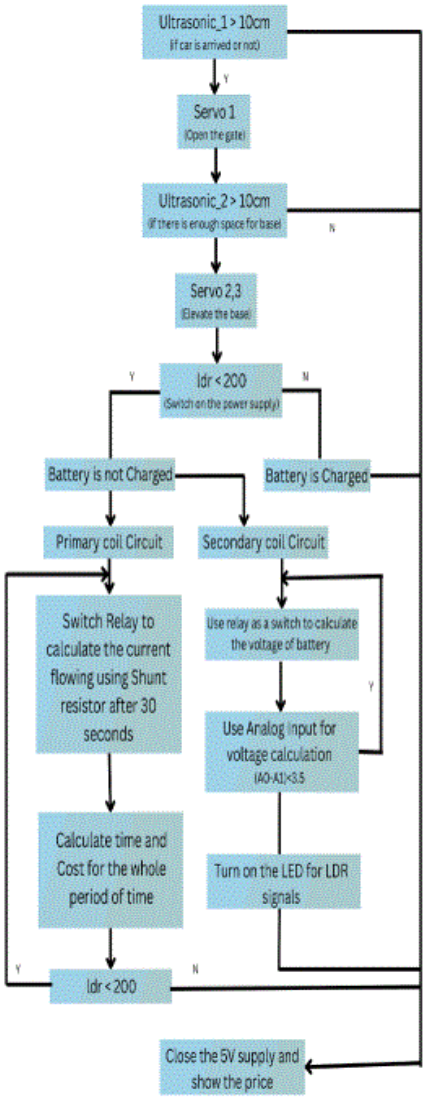
21: 2025/03988. 22: 2025/05/12. 43: 2026/01/27
51: B60L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PATEL, Jaykumar R., PATEL, Riddhi J., DESHMUKH, Parth R., CHALLAWAR, Parth R., TOMAR, Pratham, PARVE, Sayali G.

54: A WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLES WITH BATTERY REGULATION

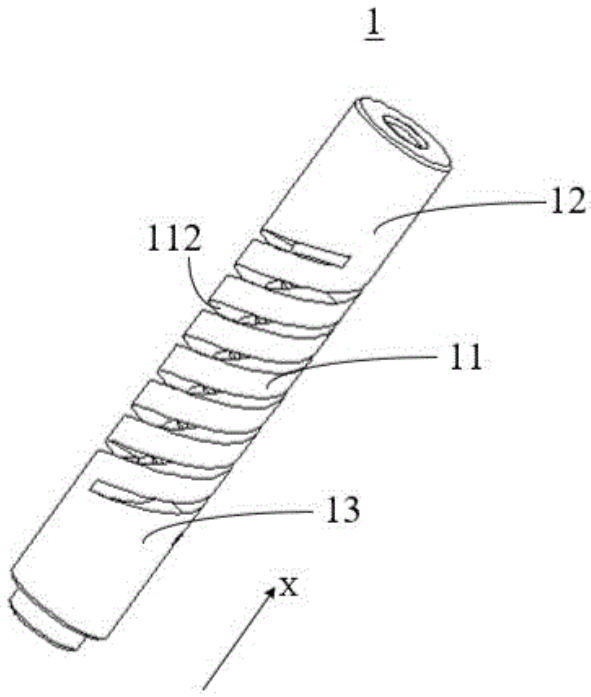
00: -

The present invention relates to a wireless charging system for electric vehicles with battery regulation. Further, the proposed system provides a wireless charging system for electric vehicles using inductive coupling, controlled by an Arduino microcontroller. A transmitter coil in the charging station and a receiver coil on the EV enable efficient power transfer, with features like automatic alignment via sensors, full-

wave rectification, and safety mechanisms to limit flux interference. The system enhances convenience, reduces wear, and supports scalable EV charging infrastructure.

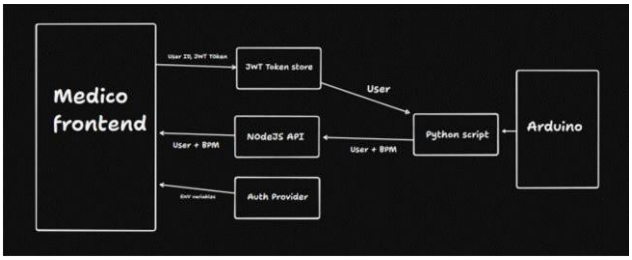


21: 2025/03989. 22: 2025/05/12. 43: 2026/01/27
51: H01R
71: Zhejiang HRV Electric Co., Ltd
72: LI Jinchang, JIN Zhou, YANG Sen, CHENG Yuanyuan, LU Gang, ZHANG Jinghong
33: CN 31: 2025206068073 32: 2025-04-01
54: BOARD-TO-BOARD CONNECTION TERMINAL, ELECTRONIC DEVICE
00: -
The present invention provides a board-to-board connection terminal, comprising a terminal body. The terminal body includes an adjustment part, a first connecting part and a second connecting part. The adjustment part is internally disposed with an inner hole penetrating through the adjustment part along a first direction, an outer wall surface of the adjustment part is disposed with spiral grooves, the spiral grooves are spirally disposed along a circumferential direction of the adjustment part and the first direction, and communicate with the inner hole; the first connecting part is arranged at a first end of the adjustment part along the first direction, and used for connecting a first circuit board; and the second connecting part is arranged at a second end of the adjustment part along the first direction, and used for connecting a second circuit board. In the present invention, the displacement between the circuit boards can be effectively compensated, and the connection terminals can maintain stable electrical contact under the action of displacement and ensure the stability of electrical contact.



21: 2025/03990. 22: 2025/05/12. 43: 2026/01/27
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAJPUT, Vaishali S., BHATTACHARYA, Aditya, ADHYAPAK, Varad, GROVER, Aditya, KARAD, Aditya, MAHAJAN, Aditya, JAIN, Aditya
54: A WIRELESS STETHOSCOPE SYSTEM
00: -

The present invention relates to a wireless stethoscope system. Further, the proposed invention discloses a WiFi-enabled wireless stethoscope with digital feedback, designed for remote cardiac monitoring and enhanced auscultation. The system includes a stethoscope unit that captures heart sounds, converts them into digital signals, and transmits them via WiFi to a mobile application. Advanced signal processing filters noise and amplifies rhythms, while the app provides real-time visualization, appointment booking, and healthcare network integration. Offering superior sound quality and telemedicine capabilities, the invention overcomes limitations of traditional stethoscopes, improving diagnostic accuracy and accessibility in diverse clinical settings.

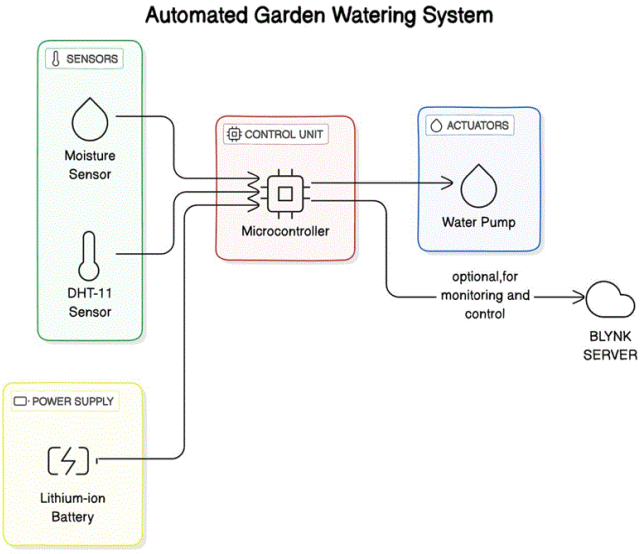


21: 2025/03991. 22: 2025/05/12. 43: 2026/01/27
51: A01G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MORE, Kiran, MOREY, Uttkarsh, MOTADE, Pruthviraj, MOTEWAR, Sanket, NIKALJE, Mrunal, MUCHANDI, Atharv, MUKKAWAR, Ketan

54: AN INNOVATIVE SYSTEM FOR WATER CONSERVATION AND GARDEN IRRIGATION

00: -

The present invention is related to an innovative system for water conservation and garden irrigation. In a world where the problem of water scarcity is getting more urgent, the importance of innovative water conservation solutions is crucial. This is especially clear in gardens and fields, where the struggle of keeping a healthy garden in regions with scarce water resources is highlighted by issues such as poor water management and inconsistent water supply affecting plant growth and health significantly. Creating garden irrigation systems represents a significant shift from conventional gardening methods. This system is more than just a mechanical answer, it is a comprehensive strategy for both water conservation and park management. The system uses advanced technology and smart principles to enhance water efficiency, maintain reliable water supply, decrease alcohol exposure, and offer accessible information and alerts to users. This not only results in the wastage of precious water but also puts the plant's health and strength at risk. Moreover, gardeners face even more difficulties due to erratic weather, which makes it hard to consistently water plants. The advanced garden watering systems rely on high-tech sensors, processors, and devices. These characteristics collaborate to oversee live soil moisture levels, temperature, humidity, sunlight exposure, and other environmental factors. By utilizing sophisticated algorithms and machine learning, the system is able to predict the varying water needs of different plant species throughout various growing seasons with precision. Furthermore, the system offers users instant updates and notifications through a user-friendly interface, along with automated fluids. Gardeners have the ability to check soil moisture levels, weather predictions, and irrigation schedules on their mobile devices. This enables users to remain updated and modify their garden maintenance as required, even when they are not at home. Moreover, through promoting water efficiency, the system also helps in achieving the wider objective of environmental protection and preservation.



21: 2025/03992. 22: 2025/05/12. 43: 2026/01/27
51: G06Q

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DANDAVATE, Prajkta P., DUTTA, Atharva A., JOSHI, Atharva P., ATKARI, Darshan R., KULKARNI, Atharva A., RAUT, Atharva A., AUTI, Sakshi R.

54: A CONTACT TRACING SYSTEM TO MONITOR AND MITIGATE RISK OF EXPOSURE TO CONTAGIOUS ILLNESSES

00: -

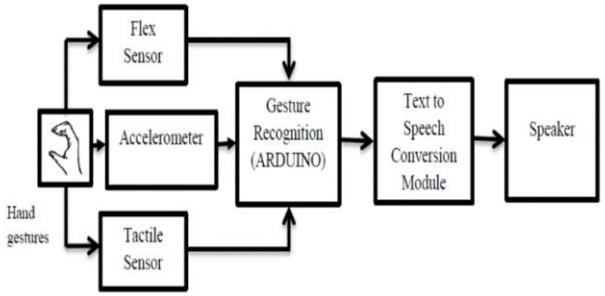
The present invention is related to a contact tracing system to monitor and mitigate risk of exposure to contagious illnesses. In today's fast-paced, interconnected world, effective healthcare solutions and proactive disease management are crucial. This invention addresses this need by leveraging advanced contact tracing technology to help users monitor and mitigate their risk of exposure to contagious illnesses. The invention provides real-time notifications when an infected person is nearby, enabling early identification and prevention of potential infections and communicable diseases. This includes features such as health questionnaire for symptom detection, secure health status updates, and anonymous alerts for potential exposure. During pandemics, timely information from the invention can significantly reduce disease spread. Additionally, this invention offers online consultations with licensed medical professionals and emergency helpline access. It promotes a proactive and technologically advanced approach to disease management and overall well-being, empowering individuals to take control of their health from the comfort of their own homes.

21: 2025/03993. 22: 2025/05/12. 43: 2026/01/27
51: G09B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESHPANDE, Rupali, GARG, Om Kumar, DAPKE, Om, NOGJA, Srushti, GUPTA, Ojal, DHAMGUNDE, Omkar, KANNAWAR, Onkar

54: A GESTURE-BASED COMMUNICATION GLOVE FOR TRANSLATING SIGN LANGUAGE INTO TEXT AND SPEECH

00: -

The present invention relates to a gesture-based communication glove for translating sign language into text and speech. The proposed system translates American Sign Language (ASL) gestures into text and speech for deaf-mute individuals. Equipped with five flex sensors, tactile sensors, and an accelerometer, the glove captures hand movements, processed by an Arduino microcontroller. It features a training mode for user calibration and an operational mode for real-time translation. A text-to-speech module, comprising a TTS256 encoder and SpeakJet synthesizer, converts recognized text into voice output via a speaker. This portable, accurate, and adaptable system bridges the communication gap between deaf-mute and hearing individuals, enabling word formation and offering a user-friendly solution to enhance accessibility.

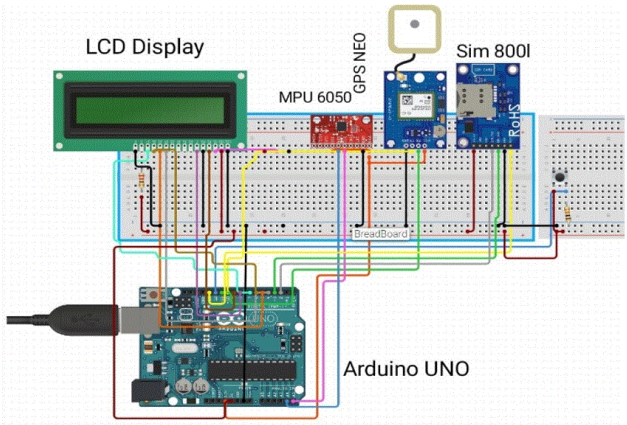


21: 2025/03994. 22: 2025/05/12. 43: 2026/01/27
51: G08G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MORE, Kiran, MEHENDALE, Yash, MEHARE, Yashashree, MEHTA, Harsh, MESHRAM, Akshan, KHAN, MD Waqass, MEHTA, Deep

54: AN ACCIDENT ALERT SYSTEM

00: -

The present invention relates to an accident alert system. The proposed system integrates an accelerometer, GPS module, GSM module, and Arduino UNO to detect vehicular accidents and notify emergency services automatically. Upon sensing a crash via sudden movement changes, the system fetches location data and sends an SMS with a Google Maps link and a phone call to pre-configured numbers. A push button allows users to cancel false alarms within 30 seconds, ensuring reliability. Operating on the GSM network, it functions without internet connectivity, making it accessible in remote areas. This invention reduces emergency response times, enhances road safety, and improves survival rates through precise, automated accident reporting.

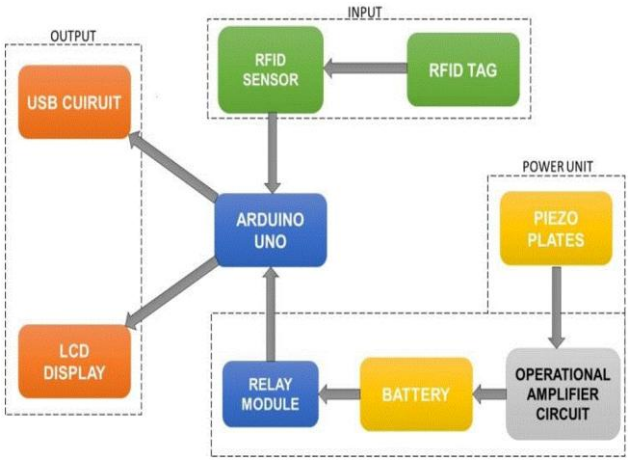


21: 2025/03995. 22: 2025/05/12. 43: 2026/01/27
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESHPANDE, Arati V., CHIKTE, Abhay S., CHINTAWAR, Pratham P., CHITNIS, Varad S., CHIMBALKAR, Anvay M., CHITUPE, Madhura D., CHINTAWAR, Rajeshwar V.

54: A BLOCKCHAIN BASED SYSTEM FOR COUNTERFEIT PRODUCT IDENTIFICATION

00: -

The present invention relates to a blockchain-based system for counterfeit product identification. Each product is assigned a unique QR code or barcode linked to an immutable record on a blockchain database. Consumers can scan the identifier using a device, such as a smartphone, which verifies the product's authenticity by querying the blockchain. If a counterfeit is detected, the system can notify the brand or authorities, optionally including the purchase location with user consent. This invention offers a reliable, scalable, and cost-effective solution to combat counterfeiting, enhancing consumer confidence and protecting brand reputation by leveraging blockchain's tamper-resistant properties.



21: 2025/03996. 22: 2025/05/12. 43: 2026/01/27
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GAMBHIRE, Gajanan, KELKAR, Nikhil, KUMAR, Nikhil, NIKAM, Vedant, SHARMA, Neharika, MAJETI, Nayana, NAWGARE, Jairaj

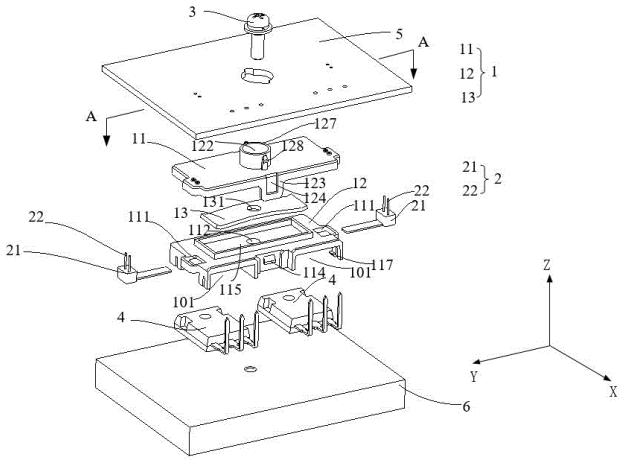
54: AN AUGMENTED AND VIRTUAL REALITY SYSTEM FOR DIGITAL SANCTUARIES TO CREATE ENVIRONMENTAL AWARENESS

00: -

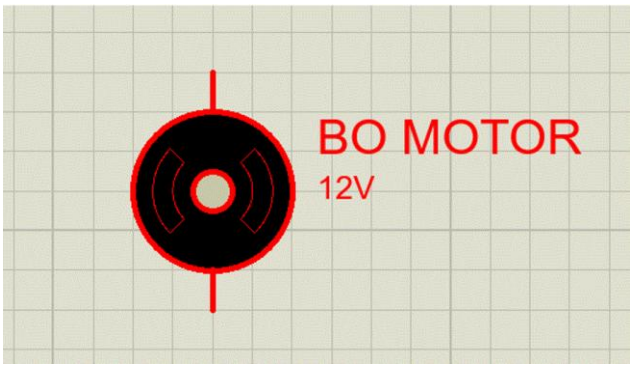
The present invention is related to an augmented and virtual reality system for digital sanctuaries to create environmental awareness. This invention discusses and explores how augmented reality (AR) and virtual reality (VR) technologies can be used to create an interactive and immersive virtual zoo that promotes environmental awareness and animal conservation. Using Blender, a snowy environment (biome) is created that is similar to arctic life, including 3D models of penguins and snow bears. These animations, controlled through a native behavior tree, allow users to interact with the animal and observe its movements over time. Integration with Unity improves the user experience by allowing you to use your phone's gyroscope to precisely adjust the camera. In addition, the Boids simulation algorithm is implemented to simulate the real behavior of fish, enhancing the interaction and educational value of the virtual animal. The aim of this invention is to provide a flexible and accessible way for users to learn about biodiversity, the dynamics of animal migration and the importance of animal conservation. These immersive experiences that showcase the behavior and existence of unique and diverse species, including those at risk of

extinction, can inspire action in animal conservation and opportunities for scientific research through data on animal behavior and ecology.

21: 2025/03997. 22: 2025/05/12. 43: 2026/01/27
51: C22C
71: Zhejiang HRV Electric Co., Ltd
72: LI Jinchang, JIN Zhou, YANG Sen, CHENG Yuanyuan, LU Gang, ZHANG Jinghong
33: CN 31: 2025206073279 32: 2025-04-01
54: INTEGRATED PACKAGING APPARATUS FOR POWER SEMICONDUCTOR DEVICES AND POWER ELECTRONIC EQUIPMENT
00: -
The present invention provides an integrated packaging apparatus for power semiconductor devices and power electronic equipment. The integrated packaging apparatus for power semiconductor devices includes: a cover plate assembly, the cover plate assembly enclosing to form power semiconductor device positioning cavities and detection device positioning cavities, the power semiconductor device positioning cavities being used for accommodating and positioning power semiconductor devices, the detection device positioning cavity being arranged on one side of the power semiconductor device positioning cavity, and the detection device positioning cavities being used for accommodating and positioning temperature detection assemblies; the temperature detection assemblies, at least partially embedded in the detection device positioning cavities, and detection ends of the temperature detection assemblies being in contact with the power semiconductor devices; and a fastener, used for applying clamping force to the cover plate assembly, fixing the power semiconductor devices and the temperature detection assembly. According to the present application, efficient detection of the temperature of the power semiconductor devices is realized, improving the reliability and stability of mounting the power semiconductor devices.

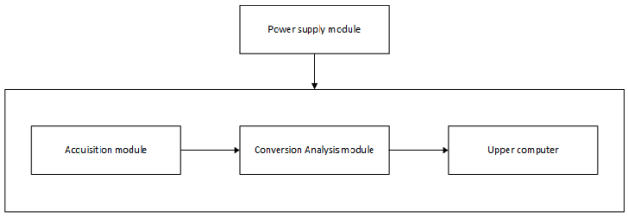


21: 2025/03998. 22: 2025/05/12. 43: 2026/01/27
51: F41H
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MATHUR, Aashi, ABHANG, Tejas, BHARATE, Abhijeet, KOLHE, Abhijeet, PATHAK, Adarsh, ADHANE, Rudraksh
54: A MULTI-UTILITY ROVER WITH ELECTROMAGNETIC LANDMINE DETECTION AND SURVEILLANCE SYSTEM
00: -
The present invention relates to a multi-utility rover with electromagnetic landmine detection and surveillance system. The rover features a 4x4 wheel system powered by BO motors, an electromagnetic detection unit with a copper coil and capacitor for identifying metallic landmines, and an ESP32-CAM module for Wi-Fi-enabled video streaming. An ultrasonic sensor ensures obstacle avoidance, while a buzzer signals detection risks. Powered by a 12V battery, the lightweight rover navigates rugged terrains remotely, reducing human exposure to minefields. This system enhances safety, accuracy, and situational awareness for military and humanitarian applications, offering a cost-effective solution to a global challenge.



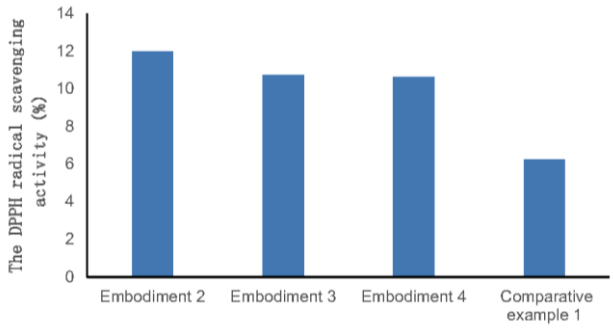
21: 2025/03999. 22: 2025/05/12. 43: 2026/01/27
51: G01B
71: DALIAN UNIVERSITY
72: ZHAO, Jie, WANG, Qiang, SUN, Weiyi
54: A SLOPE ANCHOR MONITORING AND EARLY WARNING SYSTEM BASED ON LABVIEW
00: -

The present invention discloses a slope anchor bolt monitoring and early warning system based on LabVIEW. Relating to the technical field of slope support monitoring. Including: acquisition module, conversion analysis module, upper computer and power supply module; The acquisition module collects the strain signal of the anchor bolt tension to generate the wavelength drift change signal, preprocesses the drift change signal, and transmits the preprocessed signal to the conversion analysis module; The conversion analysis module converts the preprocessed signal into an electrical signal and transmits it to the host computer; The upper computer converts the electrical signal into an strain, compares the converted strain with the warning threshold, and displays the warning. The power module is connected to the acquisition module, the conversion analysis module and the upper computer respectively, and supplies power to them. The system can display the monitoring timeline curve, data storage and graphic display in real time, and can modify the early warning threshold to achieve high matching and strong applicability; It can alert different levels of monitoring objects that exceed the alarm threshold in real time.



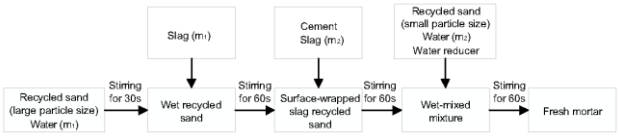
21: 2025/04000. 22: 2025/05/12. 43: 2026/01/27
51: A23L
71: ZHANGYE WATER SAVING AGRICULTURAL EXPERIMENTAL STATION, GANSU ACADEMY OF AGRICULTURAL SCIENCES
72: LI, Xing, CAI, Ziwen, ZHAO, Zepu, CHAI, Xuejun, JU, Xueyang, HE, Wenjing, ZHAO, Shuoyang, PENG, Haihong
33: CN 31: 2025104128445 32: 2025-04-02
54: A METHOD FOR MAILLARD REACTION-BASED MODIFICATION OF WHEY PROTEIN
00: -

The present invention provides a Maillard reaction-based modification method for whey protein, belonging to the field of dairy processing technology. By combining folic acid-modified inulin with whey protein, this invention significantly enhances the stability of the Maillard reaction-modified whey protein products, achieving a stability level substantially higher than conventional inulin-whey protein conjugates prepared via Maillard reaction. The technical scheme employs a defined method for folic acid modification of inulin, which not only increases folic acid stability to prevent its decomposition during subsequent Maillard reactions, but also ensures food safety through dialysis treatment to remove harmful substances. This approach demonstrates simplicity in operation, minimal additive usage, and remarkable enhancement of whey protein stability without compromising human health.

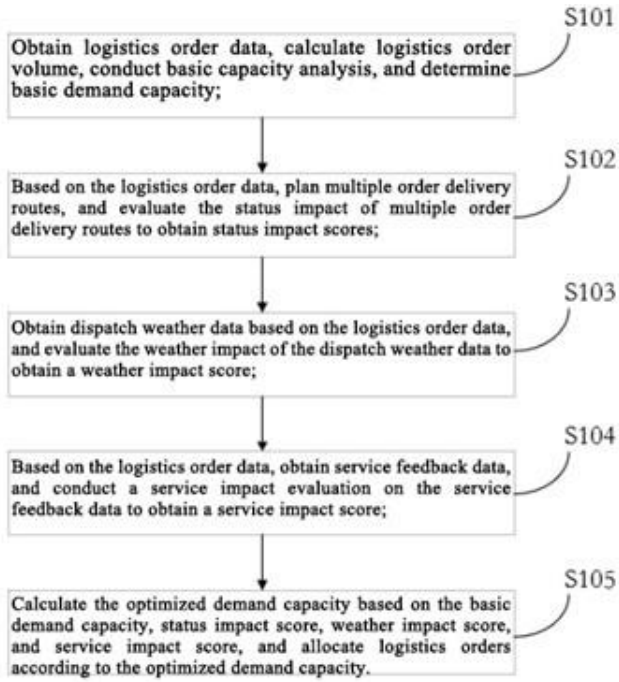


21: 2025/04001. 22: 2025/05/12. 43: 2026/01/27

51: C04B
71: ZHEJIANG UNIVERSITY OF SCIENCE TECHNOLOGY
72: WANG, Qiannan, CHEN, Liang, CHENG, Renjie, TONG, Yunyun, ZENG, Wei, WANG, Fengzhi, JIANG,Yuhang
33: CN 31: 202411753088.4 32: 2024-12-02
54: METHOD FOR STRENGTHENING SLAG CEMENT-BASED RECYCLED MORTAR
00: -
The present invention relates to a method for strengthening slag cement-based recycled mortar, in which firstly dividing recycled sand into two parts of large particle size and small particle size according to a particle size, wherein a demarcation point of the particle size is set to be 0.63-2.5 mm; then stirring in stages to form a uniform recycled mortar mixture, and pouring test blocks; wherein a mass ratio of cement, slag, the recycled sand, water, and water reducer is 0.1-0.9:0.1-0.9:2.0-4.0:0.7-1.1:0-0.0125. According to the present invention, a strength of the recycled sand, a recycled sand-cement slurry interface, and cement slurry can be improved at the same time by changing a stirring process, thereby obviously improving a compressive strength of the slag cement-based recycled mortar; through innovative steps and precise control of the present invention, not only a mechanical property of the slag cement-based recycled mortar is improved, but also an effective technical approach is provided for resource utilization of construction waste.

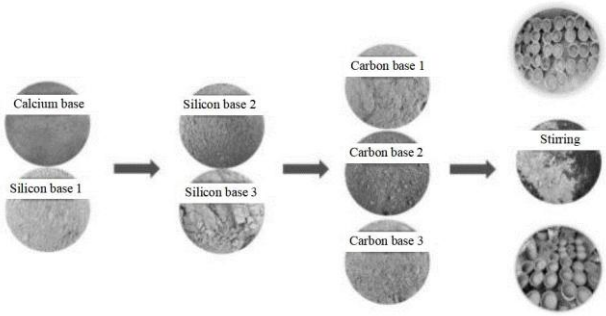


21: 2025/04006. 22: 2025/05/09. 43: 2026/01/27
51: G06Q
71: JI'AN COLLEGE
72: XIAO, Shifei, HUANG, Wenqun, LIU, Liling, CHEN, Yang, HE, Bobo, WAN, Zhiyu, KANG, Ting, SHANG, Xianchun, HAN, Le, DONG, Xinxin
33: CN 31: 2024105932576 32: 2024-05-13
54: LOGISTICS ORDER DISPATCHING METHOD AND SYSTEM BASED ON TRANSPORTATION CAPACITY CALCULATION
00: -
A logistics order dispatching method and system based on transportation capacity calculation. The invention determines the basic demand capacity by obtaining logistics order data; Plan multiple order delivery routes, conduct status impact evaluations, obtain status impact scores; Obtain assigned weather data, conduct weather impact evaluation on the weather data, obtain weather impact scores; Obtain service feedback data, conduct service impact evaluation on the feedback data, obtain service impact scores; Calculate and optimize the demand for transportation capacity, allocate logistics orders based on the optimized demand for transportation capacity. Based on the volume of logistics orders, the basic demand capacity can be determined, route status impact evaluation, weather impact evaluation, service impact evaluation can be conducted to calculate and optimize the demand capacity. According to the demand capacity, logistics order allocation can be carried out to reasonably achieve logistics order allocation based on capacity calculation and ensure timely delivery of orders.



21: 2025/04035. 22: 2025/05/13. 43: 2026/01/28
51: E02D
71: China University of Geosciences, Beijing
72: MEI Zhenran, ZHAO Zhongqiu, SHI Mengchao, YU Hao, BAI Hang, GAO Lin, CHEN Ruixiao, WANG Zheng, TIAN Rui, ZHENG Jiaxin
54: RECONSTRUCTED TOPSOIL FOR ECOLOGICAL RESTORATION OF METAL MINES AND PREPARATION METHOD THEREOF
00: -

The present invention relates to a reconstructed topsoil for ecological restoration of metal mines and a preparation method thereof. The reconstructed topsoil comprises the following components by mass percentage: 10-40% fly ash, 10-35% blast furnace slag, 10-20% desulfurization gypsum, 5-15% sludge, 15-25% straw, 5-10% steel slag, and 1-8% red mud. By fully utilizing the waste properties and resource value of solid wastes, the invention studies the compatibility of different solid waste combinations with native soil in various biological indicators based on the physicochemical properties of the original soil. This enables the development of a novel reconstructed topsoil suitable for plant growth, effectively addressing the shortage of topsoil during soil reconstruction. Additionally, the invention provides a new direction for the resource utilization of bulk solid wastes.



21: 2025/04039. 22: 2025/05/13. 43: 2026/01/28
51: A23L
71: MS ENTERPRISES (PTY) LTD
72: DU PLESSIS, JAN LION CACHET, DU PLESSIS, ADELE

54: AN INSTANT MAIZE MEAL PORRIDGE PRODUCT AND PROCESS

00: -

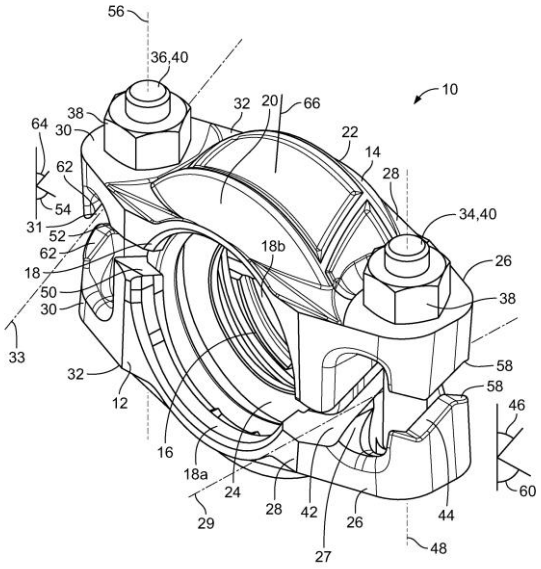
The invention provides for a maize porridge product, consisting of a cooked and dehydrated maize product, such that upon addition of water, the product rehydrates to form prepared maize meal porridge consistent with traditionally prepared maize porridge.

21: 2025/04040. 22: 2025/05/13. 43: 2026/01/28
51: F16B; F16L
71: VICTAULIC COMPANY
72: BOWMAN, Matthew A., NUNNALLY, Thomas
33: US 31: 63/110,433 32: 2020-11-06

54: COUPLING HAVING ROTATION LIMITED SEGMENTS

00: -

A method of installing a coupling for joining pipe elements uses a pipe coupling having two segments with action surfaces in facing relationship. Attachment elements on each segment, in the form of lugs, accommodate adjustable fasteners which draw the segments together when tightened. Support surfaces on the lugs engage one another and react the fastener force. Stop surfaces are positioned on the lugs adjacent to the support surfaces. Engagement between the stop surfaces provides a visual indication that the coupling has been properly installed.



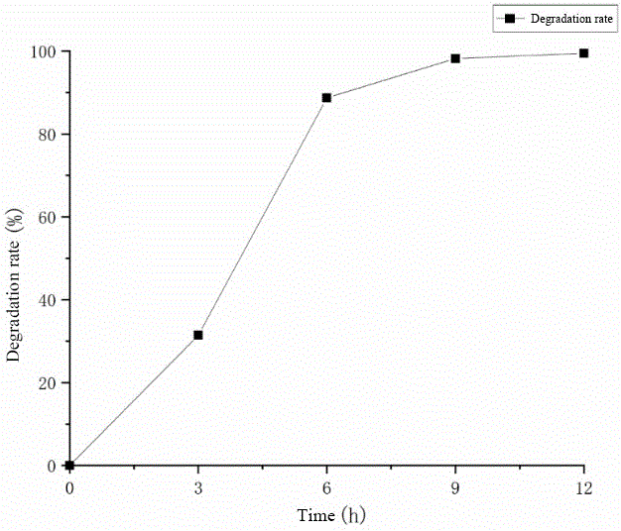
21: 2025/04043. 22: 2025/05/13. 43: 2026/01/28
51: C12N
71: Shihezi University
72: Zhihua Sun, Hongsu He, Hui Zhang, Mengyang Yan, Jing Zhao, Xingmei Deng, Zhen Wang, Xia Zhou, Tuan Guan, Caihong Zhao
33: CN 31: 202410930516.X 32: 2024-07-11

54: CEFTIOFUR SODIUM DEGRADING BACTERIUM AND APPLICATION THEREOF

00: -

The present invention provides a ceftiofur sodium degrading bacterium and application thereof. The ceftiofur sodium degrading bacterium of the present invention is Escherichia coli SF-1, the storage number is CCTCC NO: M 20241311; the present invention adopts modern microbial technology to screen Escherichia coli SF-1, which has a good

degradation effect on ceftiofur sodium in MSM medium. The strain can degrade ceftiofur sodium residue in farm manure in a short time, with a degradation rate of up to 99.21%. This strain is used for the harmless treatment of residual antibiotics in livestock manure, or for the bioremediation of antibiotic contaminated water and soil, reducing the pollution of the environment and the health hazards to animals and humans caused by antibiotic residues. It provides a green, safe, and efficient new antibiotic degradation pathway for related enterprises, while significantly reducing the cost of antibiotic treatment for enterprises.

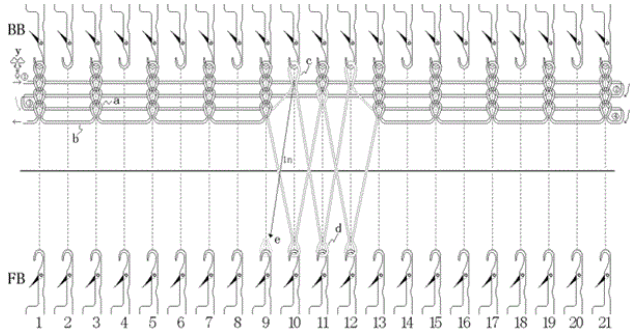


21: 2025/04048. 22: 2025/05/13. 43: 2026/01/28
51: D04B
71: INNER MONGOLIA KING DEER CASHMERE CO., LTD
72: Xinquan WANG, Hongsheng DONG, Shouming ZHANG, Hui DING, Jiancheng QIAO, Hongmei XIAO
33: CN 31: 2024108686361 32: 2024-07-01

54: 3D-EMBOSSED KNITTED FABRIC AND KNITTING METHOD

00: -

The present invention discloses a knitting method for a 3D-embossed knitted fabric, including: setting both front and back beds at an initial needle position of L0.5, knitting a base structure on the back bed in a 1×1 needle skip-stitch pattern, and establishing starting-point loops for a 3D-embossed structure at target locations on the base structure; and knitting knit stitches on the front bed and purl stitches on the back bed respectively via short rowing at skipped stitch positions of the purl stitches, with no loop transfer between the two beds, to form the 3D-embossed structure. The present invention further discloses a 3D-embossed knitted fabric. The present invention can create a knitted structure with a spatially 3D-embossed effect on a surface of the fabric.

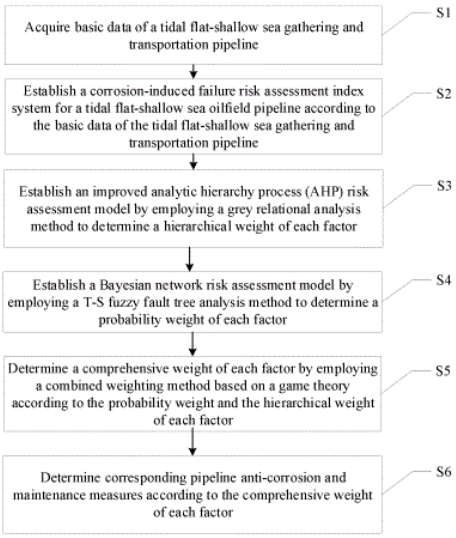


21: 2025/04075. 22: 2025/05/14. 43: 2026/01/28
51: G06N
71: China University of Petroleum (East China), Shengli Oilfield Special Equipment Inspection Center
72: WANG, Wenbin, YANG, Chao, YU, Xin, CUI, Gan, WANG, Shuaihua, LIU, Jianguo, XING, Xiao, JIANG, Shibin
33: CN 31: 202510302223.1 32: 2025-03-14

54: CORROSION RISK ASSESSMENT METHOD FOR TIDAL FLAT-SHALLOW SEA GATHERING AND TRANSPORTATION PIPELINE

00: -

Disclosed is a corrosion risk assessment method for a tidal flat-shallow sea gathering and transportation pipeline. The method includes: acquiring basic data of the tidal flat-shallow sea gathering and transportation pipeline; establishing a corrosion-induced failure risk assessment index system for a tidal flat-shallow sea oilfield pipeline; determining a hierarchical weight of each factor by employing an improved analytic hierarchy process (AHP) risk assessment model constructed based on the grey relational analysis method; determining a probability weight of each of the factors by employing a Bayesian network risk assessment model constructed based on a T-S fuzzy fault tree analysis method; determining a comprehensive weight of each factor by employing a combined weighting method based on a game theory according to the probability weight and the hierarchical weight of each factor; and determining corresponding pipeline anti-corrosion and maintenance measures according to the comprehensive weight of each factor.

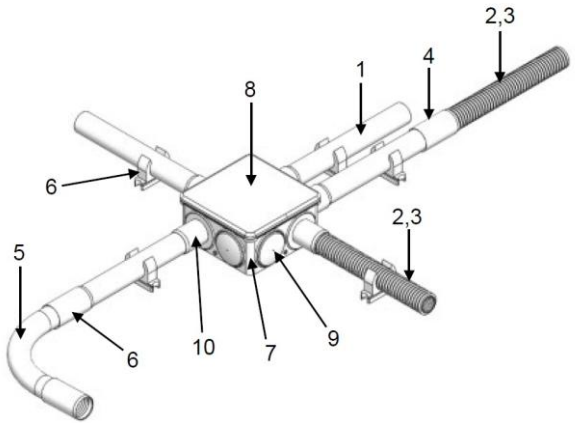


21: 2025/04076. 22: 2025/05/14. 43: 2026/01/28
51: H01B; H02G
71: EMM. KOUVIDIS SA
72: KOUVIDIS, Konstantinos
33: GR 31: 20250100308 32: 2025-04-25

54: SYSTEM OF PLASTIC CONDUITS, JUNCTION BOXES AND FITTINGS FOR ELECTRICAL INSTALLATIONS WITH HYDROPHOBIC PROPERTIES

00: -

This invention concerns a plastic conduits system that consists of conduits, junction boxes and fittings intended to protect cables in above-ground and underground electrical installations where the thermoplastic composition of the materials from which it is made is hydrophobic, thereby reducing the concentration of water drops on the surface. The water drops on the surface of the system may accelerate the ageing of the material and pose a risk to the safety of the installation. To date, in the field of electrical installations there is no integrated plastic conduit system that includes all the necessary parts, which provide hydrophobic protection which in their entirety. To make the surfaces of the plastic conduit system hydrophobic, a compatible additive containing one or more agents is incorporated in the composition of each polymer.

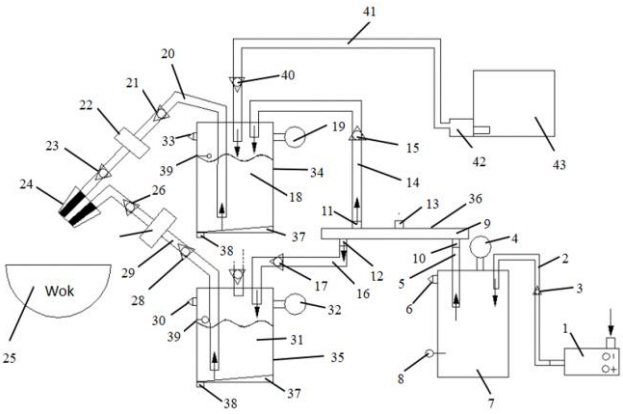


21: 2025/04077. 22: 2025/05/14. 43: 2026/01/28
51: A47J
71: Lingnan Normal University
72: Li Yelong, Yang Juan, Zhang Guiyuan, Zhou Weijing

54: PNEUMATIC LIQUID SEASONING ADDING SYSTEM FOR INTELLIGENT COOKING MACHINE

00: -

A pneumatic liquid seasoning adding system for an intelligent cooking machine, comprising an air pump, an air storage tank, a pneumatic distributor, a first liquid seasoning tank and a liquid outlet integrator; The air pump is connected with the gas storage tank through a first gas transmission pipe; The gas storage tank is connected with the first distribution head of the air pressure distributor through a second gas pipeline; The second distribution head of the pneumatic distributor is connected with the first liquid seasoning tank through a third gas pipeline, and the port of the third gas pipeline in the first liquid seasoning tank is located above the liquid level of the first liquid seasoning; A first electromagnetic valve is arranged on the fifth gas transmission pipe.



21: 2025/04084. 22: 2025/05/14. 43: 2026/01/28
51: C08F; C08K; C08L
71: LUMMUS NOVOLEN TECHNOLOGY, GMBH
72: RÄNTZSCH, Volker Andreas, JÖRRES, Volker Heinrich
33: EP 31: 22216447.7 32: 2022-12-23
33: EP 31: 22216571.4 32: 2022-12-23
54: POLYMER BLENDS COMPRISING RECYCLED POLYMERS WITH ENHANCED PROPERTIES
00: -
The present disclosure relates to a polymer blend comprising a composition comprising one or more polypropylene-based polymers and one or more additives and having selected properties, and at least one recycled polymer. Moreover, the present disclosure relates to a method of preparing the polymer blend, to a composition as defined above, to uses of the composition in a polymer blend, and to an article comprising the composition or the polymer blend.

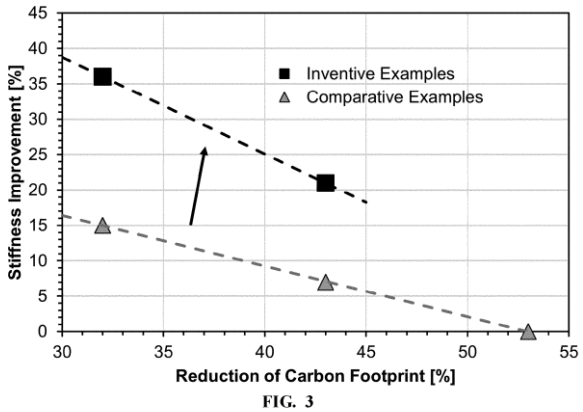
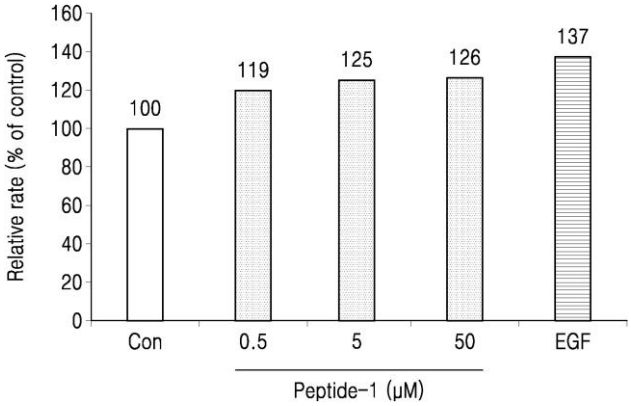


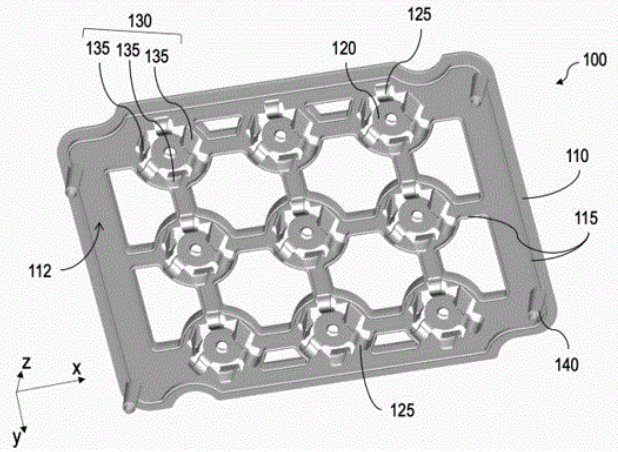
FIG. 3

21: 2025/04096. 22: 2025/05/14. 43: 2026/01/28
51: A61K; C07K; A61P; A61Q
71: CAREGEN CO., LTD.
72: CHUNG, Yong Ji, KIM, Eun Mi
33: KR 31: 10-2022-0155815 32: 2022-11-18
54: PEPTIDE HAVING ACTIVITIES TO PROMOTE HAIR GROWTH AND AMELIORATE DAMAGED HAIR, AND USE THEREOF
00: -
The present application relates to a peptide having activities to promote hair growth and ameliorate damaged hair, and use thereof and provides a peptide consisting of an amino acid sequence denoted by Arg-Cys-Cys-Gly or Glu-Glu, a cosmetic composition for ameliorating damaged hair, comprising the peptide, a cosmetic composition for ameliorating hair loss or promoting hair growth, comprising the peptide, and a pharmaceutical composition for preventing or treating hair loss, comprising the peptide.

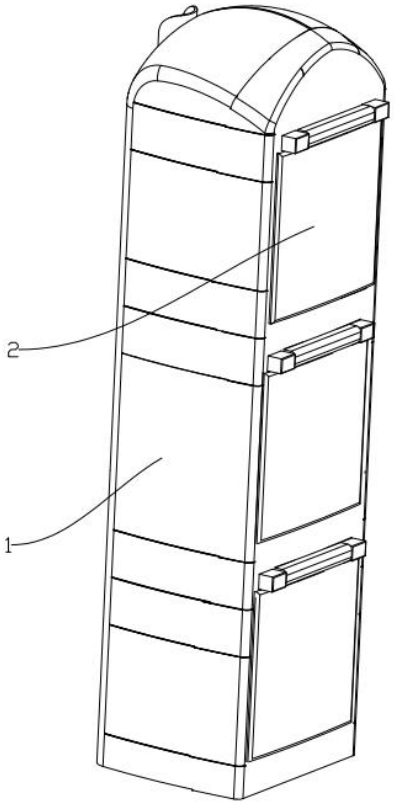


21: 2025/04100. 22: 2025/05/15. 43: 2025/11/27
51: B65D
71: A. RAYMOND ET CIE
72: HAMADENE, Sofien, GUERIN, Thierry
33: FR 31: FR2405389 32: 2024-05-27
54: PACKAGING TRAY FOR CAPS INTENDED TO SEAL BOTTLES FOR PHARMACEUTICAL USE
00: -
The invention relates to a packaging tray (100) for caps comprising: - a generally plate-shaped base (110), with an upper face and a lower face (112) which extend along a main plane (x,y), - a plurality of abutments (120), each abutment (120) being intended to be in contact with a cap when a plurality of caps is held on the side of the lower face (112) of the base (110), - a plurality of fastening systems (130), each fastening system (130) being associated with an abutment (120) and being configured to hold a cap against said abutment (120). The packaging tray (100) is characterized in that each abutment

(120) is connected to the base (110) by flexible bridges (125), enabling said abutment (110) to move perpendicularly to the main plane (x,y).



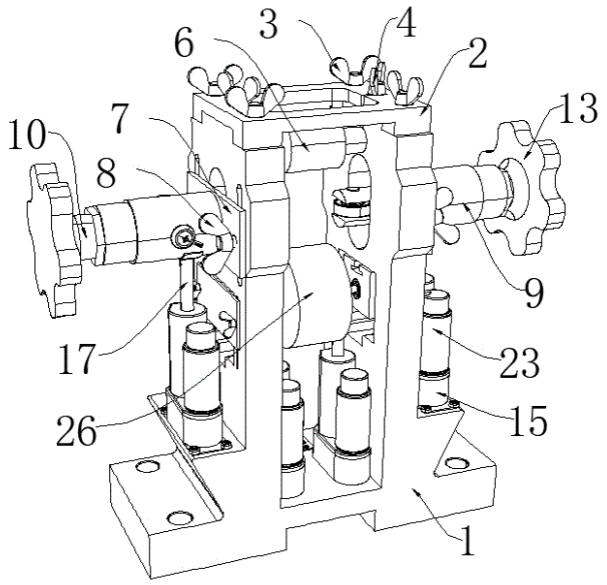
21: 2025/04101. 22: 2025/05/15. 43: 2026/01/28
51: B64C
71: XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD
72: XIE, Cong, DUAN, Zhizhuang, HUANG, Ruiyang, HUANG, Yuyun, ZHU, Jun, BEI, Yichen
54: UNMANNED AERIAL VEHICLE CHARGING CABINET CAPABLE OF ALLOWING UNMANNED AERIAL VEHICLES TO TAKE OFF AND LAND QUICKLY
00: -
Disclosed is an unmanned aerial vehicle (UAV) charging cabinet capable of allowing UAVs to take off and land quickly, including a charging cabinet body. A surface of the charging cabinet body has a plurality of takeoff and landing entrances, the surface of the body is rotatably connected to sealed door assemblies, opening and closing of the doors open or close the entrances, an inner part of the body is arranged with a plurality of landing supports and telescopic driving assemblies, the landing supports are configured to extend to outside through the entrances, and to allow UAVs to land on surfaces of the landing supports, the surfaces of the landing supports are arranged with UAV limiting assemblies. The entrances on the surface of the charging cabinet body enable each of the UAVs to take off or land without affecting each other.



21: 2025/04103. 22: 2025/05/15. 43: 2026/01/28
51: C01F
71: South China University of Technology
72: Liu Weizhen, Huang Xingzhong, Lin Zhang, Li Xiaoqin, Yan Congqi
33: CN 31: 2025104729983 32: 2025-04-16
54: A DIGESTION METHOD FOR HIGH-IRON MONOHYDRATE BAUXITE
00: -
The invention relates to the field of non-ferrous metallurgy technology and discloses a digestion method for high-iron monohydratebauxite. The method comprises the following steps: (1) Preparing a mixed slurry from high-iron monohydrate bauxite, sodium aluminate circulating mother liquor, and additives; the additives are a mixture of one or more selected from organic alkalis, carboxylic acids, and amino acids; (2) Heating to 190–280°C to carry out the digestion reaction, thereby obtaining digestion slurry and digestion residue, and performing magnetic separation on the digestion residue to recover iron concentrate; the method of the present invention solves the problem of difficulty in separating iron minerals caused by silicate minerals during the digestion process of high-iron

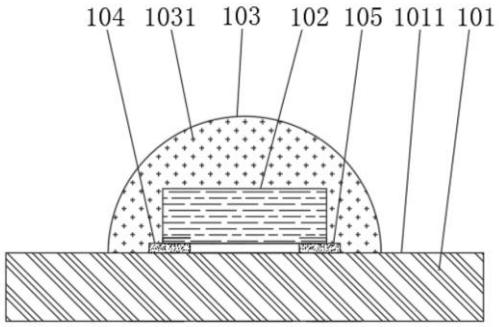
monohydrate bauxite. The method has a simple process, low production cost, low equipment requirements, and good industrial application prospects.

21: 2025/04104. 22: 2025/05/15. 43: 2026/01/28
51: G01N
71: HENAN POLYTECHNIC UNIVERSITY
72: GONG Jian, WANG Shuren, WANG Wen, XIA Yuhao, QIU Wei, KONG Minjie, LIU Jiajia
54: ADJUSTABLE FIXTURE FOR ELECTROMAGNETICALLY DRIVEN HOPKINSON BAR
00: -
The present invention relates to the field of dynamic mechanical testing fixtures and discloses an adjustable fixture for an electromagnetically driven Hopkinson bar. The fixture includes a frame, with a fixed assembly installed at the top of the frame, both sides of the top of the frame are provided with top mounting slots, and a top roller is arranged between the two top mounting slots, both sides of the frame are equipped with side adjustment assemblies, and the middle part of the frame is equipped with a bottom adjustment assembly, the outer walls of both sides of the frame are equipped with lifting assemblies, and the inner bottom walls of both sides of the frame are also equipped with lifting assemblies, the side adjustment assembly includes a side plate, the side plate is fixed to the side wall of the frame via two fixing bolts. The invention allows the height of the bottom roller to be adjusted using the two inner lifting assemblies, ensuring that the four sides of the bar are positioned between the top roller, bottom roller, and two guide wheels, thereby completing the adaptive adjustment of the fixture. This eliminates the need for frequent fixture replacements to accommodate different bars, significantly improving the efficiency of material mechanical property testing.



21: 2025/04105. 22: 2025/05/15. 43: 2026/01/28
51: H01L
71: Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, Huazhong University of Science and Technology
72: DAI Jiangnan, LUO Lin, PENG Yang, ZHENG Gang
33: CN 31: 202510240906.9 32: 2025-03-03
33: CN 31: 202510257195.6 32: 2025-03-05
54: LIGHT-EMITTING STRUCTURE, ELECTRONIC APPARATUS, AND METHOD FOR PREPARING LIGHT-EMITTING STRUCTURE
00: -
The disclosure discloses a light-emitting structure, an electronic apparatus and a method for preparing the light-emitting structure. The light-emitting structure includes; a substrate provided with a first electrode and a second electrode; a light-emitting chip provided on a first surface of the substrate, a first pin of the light-emitting chip being electrically connected to the first electrode, a second pin of the light-emitting chip being electrically connected to the second electrode; a packaging layer provided on a side of the light-emitting chip away from the substrate and wrapping a surface and side of the light-emitting chip. First nanoparticles are distributed in the packaging layer. The light-emitting structure, electronic apparatus and method for preparing the light-emitting structure according to the disclosure use a material doped with nanoparticles for the packaging layer, to be capable of improving a

thermal conduction capability of the packaging layer and reduce a junction temperature, thereby reducing a heat accumulation when the light-emitting chip is working.

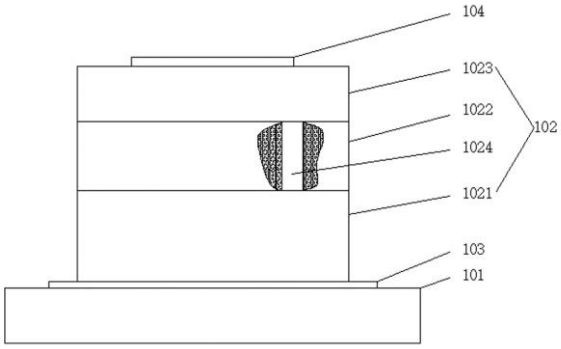


21: 2025/04106. 22: 2025/05/15. 43: 2026/01/28
51: H01S
71: Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, Huazhong University of Science and Technology
72: DAI Jiangnan, LIANG Zhengang, WU Feng, ZHENG Gang, PENG Yang, CHEN Changqing
33: CN 31: 202510135451.4 32: 2025-02-07

54: SEMICONDUCTOR LASER AND METHOD THEREFOR

00: -

A semiconductor laser and a preparation method thereof are disclosed according to an embodiment of the disclosure. The semiconductor laser includes: a substrate layer; a whispering gallery microcavity disposed on a side of the substrate layer, wherein the whispering gallery microcavity comprises a first confinement layer, an active layer, and a second confinement layer which are sequentially stacked on the substrate layer; wherein the active layer is provided with N first through holes along a direction perpendicular to the substrate layer, where N is a positive integer greater than or equal to 1, a geometric center point of an orthographic projection region of the active layer on the substrate layer being a first center point, a geometric center point of an orthographic projection region of the first through hole on the substrate layer is a second center point; wherein When N is equal to 1, the first center point and the second center point do not overlap with each other; When N is greater than or equal to 2, the second center points corresponding to any two first through holes are disposed asymmetrically with respect to the first center point; a first electrode being in ohmic contact with the first confinement layer; and a second electrode being in ohmic contact with the second confinement layer. The semiconductor laser provided by the disclosure can realize unidirectional laser emission.



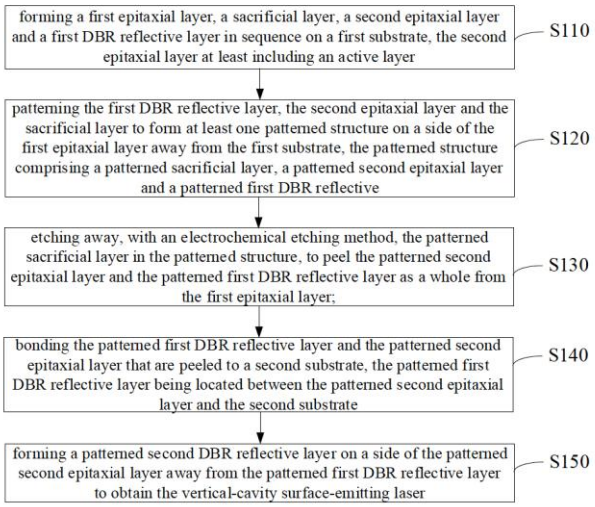
21: 2025/04107. 22: 2025/05/15. 43: 2026/01/28
51: H01S
71: Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, Huazhong University of Science and Technology
72: DAI Jiangnan, ZHAO Yongming, WU Feng, ZHENG Gang, PENG Yang, CHEN Changqing
33: CN 31: 202510147220.5 32: 2025-02-11

54: VERTICAL-CAVITY SURFACE-EMITTING LASER AND METHOD THEREFOR

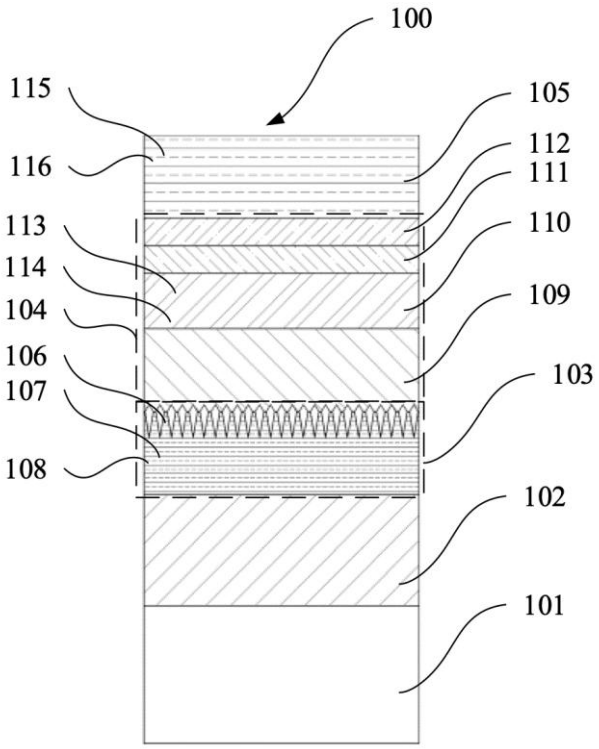
00: -

A vertical-cavity surface-emitting laser and a method for preparing the same is disclosed according to an embodiment of the disclosure. The method includes: forming a first epitaxial layer, a sacrificial layer, a second epitaxial layer and a first DBR reflective layer in sequence on a first substrate, the second epitaxial layer at least comprising an active layer; patterning the first DBR reflective layer, the second epitaxial layer and the sacrificial layer; etching away, with an electrochemical etching method, the patterned sacrificial layer, to peel the patterned second epitaxial layer and the patterned first DBR reflective layer as a whole from the first epitaxial layer; bonding the patterned first DBR reflective layer and the patterned second epitaxial layer that are peeled to the second substrate; forming a patterned second DBR reflective layer on a side of the patterned second epitaxial layer away from the patterned first DBR reflective layer to obtain the VCSEL. By providing a sacrificial layer in cooperation with electrochemical etching, a smoothness of a surface of a peeled epitaxial layer can be improved, thereby

improving a luminous efficiency and stability of the VCSEL.

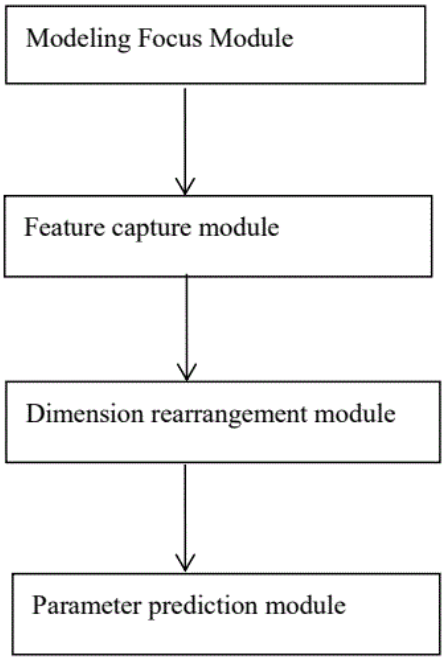


21: 2025/04108. 22: 2025/05/15. 43: 2026/01/28
51: H01S
71: Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, Huazhong University of Science and Technology
72: DAI Jiangnan, WEI Yufan, GAO Zhiwei, ZHAO Yongming, LIANG Zhengang, ZHENG Gang, PENG Yang, CHEN Changqing
33: CN 31: 202510123953.5 32: 2025-01-26
54: DEEP ULTRAVIOLET PHOTONIC CRYSTAL SURFACE-EMITTING LASER
00: -
A deep ultraviolet photonic crystal surface-emitting laser is disclosed, which relates to the field of semiconductor optoelectronic technology. The deep ultraviolet photonic crystal surface-emitting laser includes: a substrate layer, an aluminum nitride template layer, a first Bragg reflection layer, an epitaxial structure and a second Bragg reflection layer. The aluminum nitride template layer is disposed between the first Bragg reflection layer and the substrate layer. The epitaxial structure is disposed between the second Bragg reflection layer and the first Bragg reflection layer. The first Bragg reflection layer includes periodically arranged air-hole photonic crystal structures, a plurality of first sub-layers and a plurality of second sub-layers. The first sub-layer includes an Alx1Ga1 x1N material, the second sub-layer includes an Alx2Ga1 x2N material, 0.3 less than or equal to x1 less than or equal to 0.4, 0.45 less than or equal to x2 less than or equal to 0.55. According to the deep ultraviolet photonic crystal surface-emitting laser in this embodiment, the lasing threshold of the deep ultraviolet photonic crystal surface-emitting laser can be reduced and the lasing power of the deep ultraviolet photonic crystal surface-emitting laser can be improved.

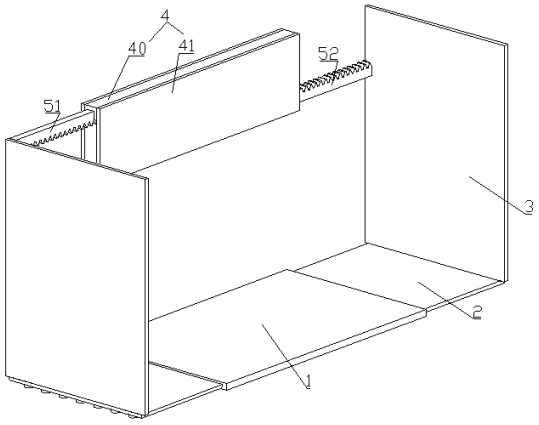


21: 2025/04109. 22: 2025/05/15. 43: 2026/01/28
51: G06T
71: Zhejiang University of Science and Technology
72: ZENG, Jie, YUN, Bensheng, XU, Xiaohan, DAI, Qiaoling, HE, Qiyang, HE, Jing
54: IMPROVED BREAST ULTRASOUND IMAGE DETECTION SYSTEM BASED ON YOLOV8
00: -
The present invention discloses a breast ultrasound image detection system based on YOLOv8 improvement, belonging to the field of breast ultrasound technology, comprising: a modeling focusing module for localized modeling and precise focusing of lesion areas; Feature capture module, used to combine local features with global contextual information to capture subtle features of tumor edges; Dimension rearrangement module, used to rearrange spatial dimensions to reduce information loss; Parameter prediction module, used to predict dynamic kernel parameters to guide feature rearrangement and upsampling operations,

preserving key details in ultrasound images. The invention solves the problem of difficulty in early screening and diagnosis of breast cancer. The present invention can achieve precise focusing on the lesion area and improve the accuracy of model detection.

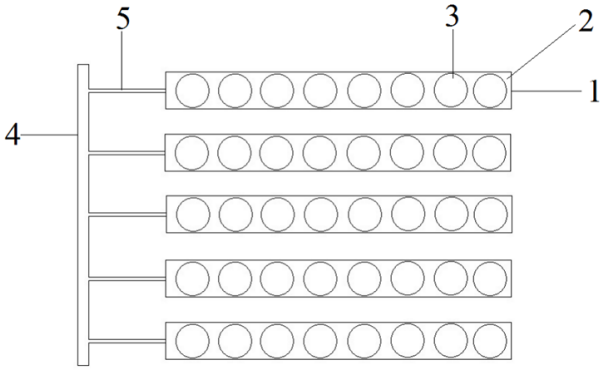


21: 2025/04110. 22: 2025/05/15. 43: 2026/01/28
51: A47B
71: Zixu ZHAO
72: Zixu ZHAO
33: CN 31: 2024221527983 32: 2024-09-03
54: PORTABLE BOOK HOLDER WITH RETRACTABLE VOLUME
00: -
The present invention belongs to the technical field of student tools, and provides a portable book holder with a retractable volume, comprising a support plate, a sliding plate slidably connected to both ends of the support plate, and a baffle connected to the upper surfaces of the two sliding plates, characterized in that a fixing frame is provided between the two baffles, and an adjustment mechanism is provided on the fixing frame, and the adjustment mechanism is used to adjust the distance between the two baffles. The present invention adopts a baffle design with adjustable spacing, which effectively solves the problem of the lack of flexibility of traditional bookends in use. When the number of books is small, the spacing between the two baffles can be adjusted to avoid the phenomenon of books slipping, messing, deformation and curling, and keep the books neat and beautiful. The volume of the entire device can be adaptively adjusted. When the length of the desk is limited or needs to be carried, the volume of the bookend can be easily shrunk to save space and improve the convenience of carrying.

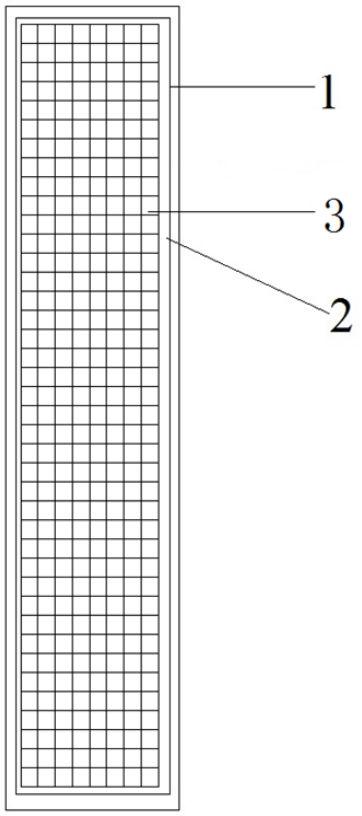


21: 2025/04111. 22: 2025/05/15. 43: 2026/01/28
51: A01G
71: CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE
72: HUANG, Xiu, KE, Fuzhi, CUI, Changjiang, SUN, Lifang, WANG, Luoyun, NIE, Zhenpeng, YANG, Yi
54: METHOD FOR CULTIVATING CITRUS VIRUS-FREE SEEDLINGS IN ROOT-LIMITING CONTAINERS
00: -
Discloses is a method for cultivating citrus virus-free seedlings in root-limiting containers. In an greenhouse, a plurality of long-strip water retention pools are dug into a ground, bottoms of the water retention pools are flat, and a width of the pools is greater than bottom diameters of the root-limiting containers. A one-piece molded waterproofing membrane is laid on the bottoms, inner walls and on the ground at edges of the water retention pools, a plurality of root-limiting containers are evenly placed in the pools, a culture soil is loaded into the root-limiting containers, then saplings are planted in the root-limiting containers, a soil in the root-limiting containers is thoroughly watered with a first watering, and water is subsequently watered and released into the water retention pools; and the root-limiting containers are cylindrical barrel bodies, the

barrel bodies include mesh side walls, and mesh holes have apertures of 1-3 mm.

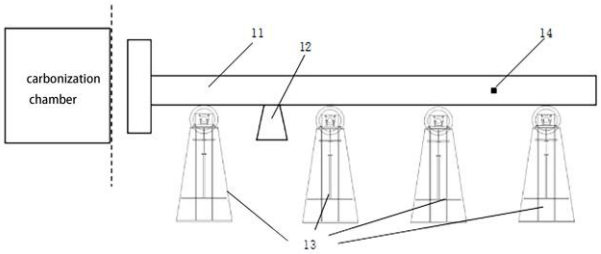


21: 2025/04112. 22: 2025/05/15. 43: 2026/01/28
51: A01G
71: CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE
72: HUANG, Xiu, KE, Fuzhi, WANG, Luoyun, SUN, Lifang, CUI, Changjiang, NIE, Zhenpeng, YANG, Yi
54: METHOD FOR CULTIVATING CITRUS VIRUS-FREE ROOTSTOCK SEEDLINGS IN NUTRIENT POTS
00: -
Discloses is a method for cultivating citrus virus-free rootstock seedlings in nutrient pots, including following steps: digging, in an greenhouse, a flat bottomed long strip water retention pool on a ground, laying a one-piece moulded waterproofing membrane on the bottom and an inner wall of the pool and on the ground at an edge of the pool, loading a mixed cultivation soil into the nutrient pots, planting citrus virus-free rootstock seedlings in the nutrient pots, evenly placing seedlings of a plurality of pots in the water retention pool, watering the cultivation soil in the pots thoroughly and releasing water into the pool. Shapes of the nutrient pots are regular quadrangular frustums with an opening at a top, lower parts of the side walls of the nutrient pots and bottoms of the nutrient pots are each provided with a circular through hole.



21: 2025/04113. 22: 2025/05/15. 43: 2026/01/28
51: G01D; G01H
71: JINZHONG UNIVERSITY
72: XIANG, Jin, XIE, Jihong, LIU, Gang, CAI, Wenan
54: VIBRATION SIGNAL ACQUISITION SYSTEM FOR COKE PUSHING DEVICE
00: -
Disclosed is a vibration signal acquisition system for a coke pushing device including a vibration sensor installed and arranged at a predetermined position on the coke pushing rod for sensing the vibration signal of the coke pushing rod during the pushing process; Data acquisition device, used for collecting and managing data information characterized by vibration signals; the predetermined position is determined in advance based on the following methods: obtaining temperature distribution data of the coke pushing rod during the pushing process; Based on the temperature distribution data and the upper limit of the working temperature of the vibration sensor, determine the predetermined position on the coke pushing rod that meets the normal operation of the sensor. The present disclosure achieves direct acquisition of vibration signals during the signal acquisition process, thereby

effectively obtaining the signal to be analyzed, improving the signal-to-noise ratio, and facilitating subsequent fault analysis.

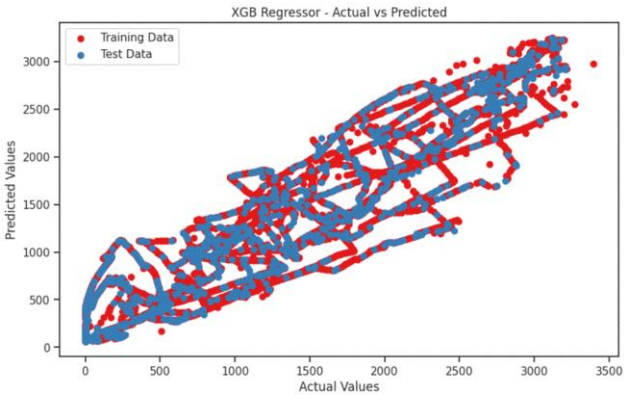


21: 2025/04115. 22: 2025/05/15. 43: 2026/01/28
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya S., PAWAR, Angha N., PAWAR, Aditi D., PAWAR, Asmita A., PAWAR, Aaradhya S., PAWAR, Chinmay D., PAWAR, Aditya D.

54: A SYSTEM FOR PREDICTING GROUNDWATER LEVELS USING MACHINE LEARNING

00: -

The present invention relates to a system for predicting groundwater levels using machine learning. Historical data from 2004 to 2019 is collected and preprocessed to train XGBoost Regressor, Linear Regressor, and K-Nearest Neighbors models. Performance evaluation selects the best model, with XGBoost achieving 97.96% accuracy in an exemplary case. The invention improves accuracy over traditional methods, leveraging extensive data and model comparison for scalable, reliable forecasts. It enhances water resource management by supporting sustainable planning and decision-making.

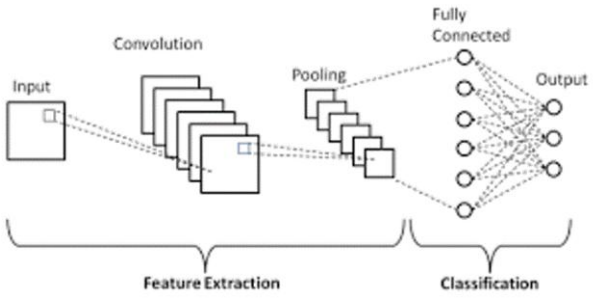


21: 2025/04116. 22: 2025/05/15. 43: 2026/01/28
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya, PATIL, Riya, PATIL, Rohan, PATIL, Sanjeevani, PATIL, Shraddha, PATIL, Shreya, PATIL, Swaraj

54: A FACIAL EMOTION DETECTION SYSTEM UTILIZING A CONVOLUTIONAL NEURAL NETWORK (CNN)

00: -

The present invention relates to a facial emotion detection system utilizing a convolutional neural network (CNN). The proposed system system leveraging Convolutional Neural Networks (CNN) to classify four distinct human emotions—crying, laughter, frustration, and shame. The system utilizes a custom-developed dataset of 1760 labeled facial images and incorporates preprocessing techniques such as grayscale conversion, cropping, and normalization. The CNN architecture consists of multiple convolutional layers, batch normalization, pooling layers, dropout regularization, and fully connected layers optimized for accurate emotion recognition. With a classification accuracy of 96.88%, the invention enhances real-time emotion recognition for applications in human-computer interaction, healthcare, and security.



21: 2025/04117. 22: 2025/05/15. 43: 2026/01/28
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya, PIMPARWAR, Aditya, PIMPALKAR, Palak, PIDADI, Mrunmayi, PIMPARKAR, Sanskruti, PIMPLE, Dipankar, PISAL, Yashraj

54: A MACHINE LEARNING BASED SYSTEM FOR EARLY DETECTION OF DENGUE OUTBREAKS

00: -

The present invention is related to a machine learning based system for early detection of dengue outbreaks. Machine learning algorithms (ML) are

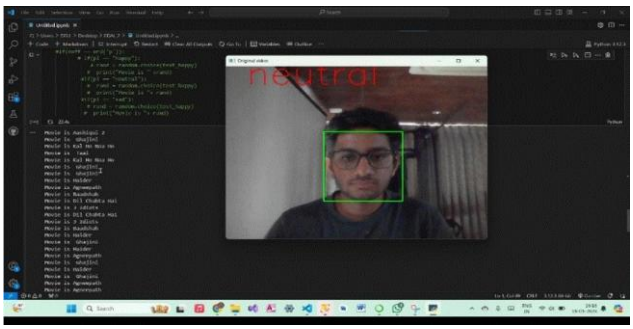
receiving a lot of attention in the development of predictive models for predicting a person being a dengue patient. Dengue fever remains a significant public health challenge worldwide, with its incidence escalating in recent years. Early detection and prediction of dengue outbreaks are imperative for effective disease management and resource allocation. This invention presents a comprehensive study on the application of machine learning techniques for dengue prediction on the basis of health factors and symptoms. Leveraging historical epidemiological data and various machine learning models including K-Nearest Neighbors, Support Vector Machine, decision trees Classification, Kernel SVM Random Forest Classification and naïve bees are trained and evaluated. Comparative analyses are conducted to assess the predictive performance and robustness of these models. The results demonstrate the efficacy of machine learning approaches in accurately forecasting dengue outbreaks, thereby facilitating proactive public health interventions. This invention contributes to the advancement of predictive analytics in infectious disease epidemiology and underscores the potential of machine learning in mitigating the burden of dengue fever on global health systems.

21: 2025/04118. 22: 2025/05/15. 43: 2026/01/28
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya S., PHAND, Manasi S., PHADKE, Aditya A., PHADKE, Arnav U., PHADKE, Tushar M., PHUTANE, Vedant K., PICHARE, Prathavita G.

54: A SYSTEM FOR RECOMMENDING VISUAL ENTERTAINMENT BASED ON REAL-TIME EMOTION DETECTION

00: -

The present invention relates to a system for recommending visual entertainment based on real-time emotion detection. The proposed system suggests movies aligned with a user's current emotional state. Using a webcam to capture facial expressions, the system employs OpenCV for face detection and DeepFace for emotion analysis, identifying states like happiness or sadness. A recommendation engine then selects tailored content from predefined lists, enhancing personalization and engagement. This invention offers real-time adaptability and an empathetic user experience, surpassing traditional systems reliant on historical data.

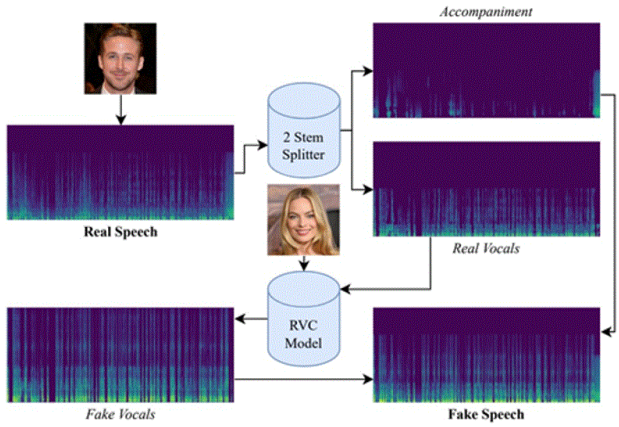


21: 2025/04119. 22: 2025/05/15. 43: 2026/01/29
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya, PAWAR, Darshan, PAWAR, Prachi, PAWAR, Krushna, PAWAR, Harish, PAWAR, Pratik

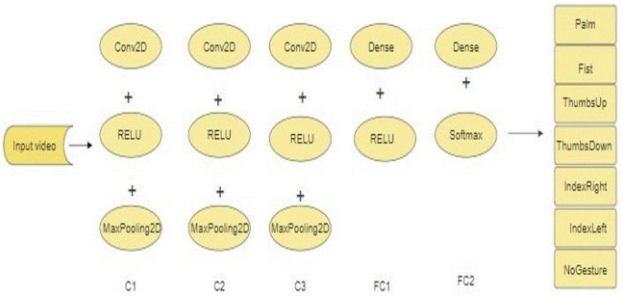
54: A SYSTEM FOR DETECTING AI-GENERATED SPEECH

00: -

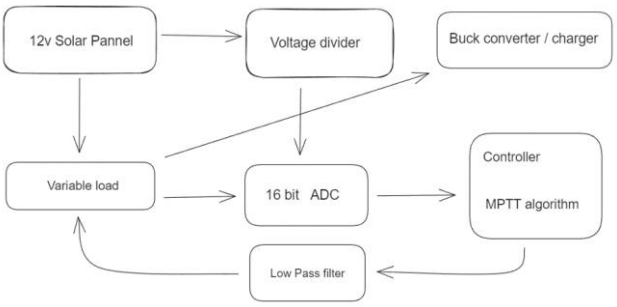
The present invention relates to a system for detecting AI-generated speech. Further, the proposed system discloses a real-time detection system for AI-generated speech, targeting deepfake voice conversions. Utilizing an Extreme Gradient Boosting model, the system achieves 99.3% accuracy in classifying speech as real or AI-generated, processing one second of audio in 0.004 milliseconds. It extracts a comprehensive set of audio features using the Librosa library and operates on a dataset of real and synthetic speech from notable figures. Designed for applications like phone calls and conference calls, the invention offers rapid, accurate detection, enhancing audio security and outperforming prior methods in speed and precision.



21: 2025/04120. 22: 2025/05/15. 43: 2026/01/29
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya, PETARE, Dhanashree S., PAWAR, Vaishnavi, PAWAR, Swapnil, PENDHARKAR, Jeyeshtha, PENDOR, Harshal, PAWAR, Vedant
54: A GESTURE-CONTROLLED MEDIA PLAYER SYSTEM
00: -
The present invention relates to a gesture-controlled media player system. The proposed system enabls multimedia playback management via hand gestures. It includes an image acquisition module using a webcam, a gesture recognition module with a convolutional neural network (CNN) trained on seven gestures, a media control module employing PyAutoGUI for action mapping, and a Streamlit-based user interface. The system ensures high accuracy, real-time performance, and adaptability, addressing limitations in existing solutions by enhancing precision and customization. It offers a cost-effective, user-friendly alternative for intuitive multimedia interaction.

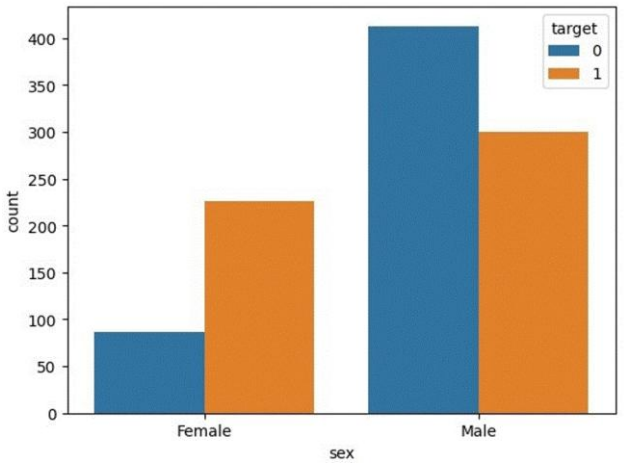


21: 2025/04121. 22: 2025/05/15. 43: 2026/01/29
51: H02S
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MAHAJAN, Chandrashekhar, PATIL, Manthan, PATIL, Mandar, PATIL, Nikhil, MAHAPATRA, Sagnik, PANDITA, Rohit, SINGH, Jagdeep
54: A COST-EFFECTIVE MPPT TRACKING CIRCUIT FOR SOLAR PV SYSTEMS
00: -
The present invention relates to a cost-effective MPPT tracking circuit for solar PV systems. The proposed system utilizing a microcontroller to optimize energy extraction. By integrating analog components—such as an operational amplifier, MOSFET, and high-resolution ADC—with an Arduino-based platform, the system dynamically tracks the maximum power point using the Perturb and Observe algorithm. It addresses inefficiencies caused by variable environmental conditions, offering improved power output, reduced costs, and scalability. The hybrid design ensures reliability and simplicity, making it ideal for widespread adoption in renewable energy applications.



21: 2025/04122. 22: 2025/05/15. 43: 2026/01/29
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya, POKALE, Tanvi, POSUGADE, Anagha, PATWAL, Pradyot, SHIRODE, Prachi, POPADE, Om
54: A HEART DISEASE PREDICTION SYSTEM USING MACHINE LEARNING
00: -
The present invention relates to a heart disease prediction system using machine learning. Machine learning models, including Random Forest, K-Nearest Neighbors, Decision Tree, and Logistic Regression, are evaluated with Random Forest achieving 100% accuracy. The system addresses limitations of traditional diagnostic methods, enabling timely interventions and reducing healthcare

burdens by overcoming issues of misdiagnosis and delayed detection. Its robust performance demonstrates potential for real-time clinical applications, making it a valuable tool in mitigating the global impact of cardiovascular diseases and enhancing patient outcomes through reliable, scalable predictions. This innovative approach offers significantly remarkable improvements over conventional methods in healthcare.

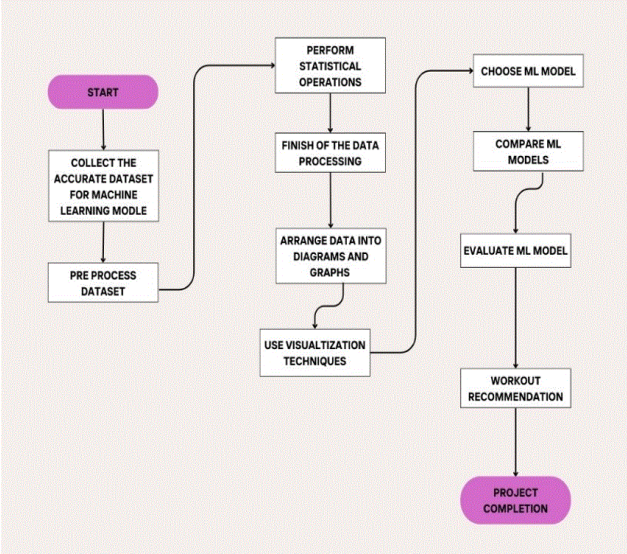


21: 2025/04123. 22: 2025/05/15. 43: 2026/01/29
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya, PATWARDHAN, Atharva M., PATIL, Vedika A., PAWALE, Kshitija S., PATIL, Vrushali T., PATLE, Manthan D., PATNI, Laher L.

54: A MACHINE LEARNING-BASED CALORIE BURN PREDICTION AND WORKOUT RECOMMENDATION SYSTEM

00: -

The present invention relates to a machine learning-based calorie burn prediction and workout recommendation system. Further, the present invention, utilizing the XGBoost regressor, it analyzes inputs such as age, gender, height, weight, exercise duration, heart rate, and body temperature to achieve a 98% accuracy in calorie burn predictions. A recommendation module further enhances utility by suggesting workouts tailored to the user's fitness goals, based on predicted calorie expenditure. This system surpasses traditional methods by offering precise, individualized insights and actionable guidance, promoting effective health and fitness management.



21: 2025/04124. 22: 2025/05/15. 43: 2026/01/29
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya, SAWALE, Prutha, PUJARI, Vaibhav, PUJARI, Sumit, PUNGALE, Aryan, DUBEWAR, Rahi, SHENDRE, Rahul

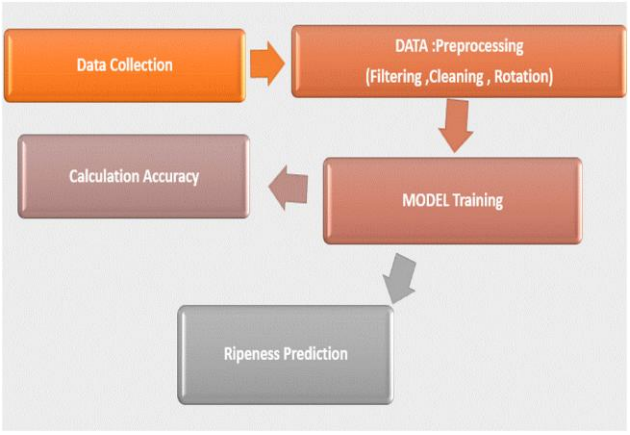
54: A MACHINE LEARNING BASED CLOUDBURST PREDICTION SYSTEM FOR NATURAL DISASTERS MANAGEMENT

00: -

The present invention is related to a machine learning based cloudburst prediction system for natural disasters management. Cloudbursts are intense rainfall activity occurs suddenly which leads to various disasters and significant damage to environment and loss of life. So that predicting these events with high accuracy plays crucial role during such events. This invention presents systematic study on the development and implementation of cloudburst prediction system utilizing a binary classification model. Primary aim of the invention is to enhance the predictive accuracy and reliability. In the cloudburst prediction model various methods leverages to predict cloudburst events in various location. Data across India related to cloudburst have been collected. Experiment were conducted using Support Vector machine(SVM), Decision tree classifier and Logistic Regression etc. models of machine learning. The performance of model has been discussed in terms of graphical result with comparison. For the real-time prediction, the system integrates with a weather API which up-to-date meteorological data such as temperature, humidity,

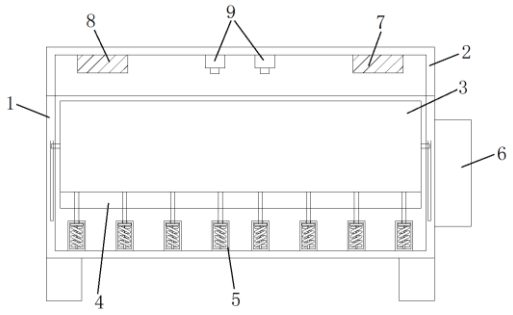
sea level pressure, dew point, cloud coverage and wind speed. The results are then presented through a web based user interface which provide platform for user to interact with the prediction system.

21: 2025/04125. 22: 2025/05/15. 43: 2026/01/29
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya S., RAJPUROHIT, Nitesh S., RAJPUT, Nikita R., SINGH, Rajroushan A., RAJGURU, Abhijeet B., KUMAR, Harsh N., KARANDE, Raj V., RAJE, Samarjeet P.
54: AN AUTOMATED FRUIT RIPENESS DETECTION AND HARVESTING TIME ESTIMATION SYSTEM
00: -
The present invention relates to an automated fruit ripeness detection and harvesting time estimation system. Using machine learning and computer vision, it analyzes fruit images to classify ripeness stages and predicts optimal harvest timing by integrating environmental data like temperature and humidity. Trained on diverse fruit datasets, the system offers a user-friendly, accurate solution for farmers, distributors, and consumers. It reduces errors, optimizes harvest schedules, and minimizes waste, enhancing agricultural efficiency and sustainability.

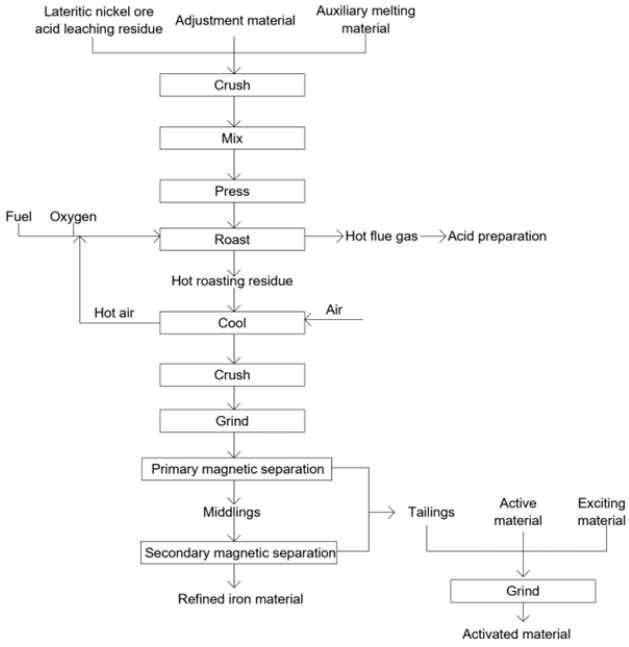


21: 2025/04126. 22: 2025/05/15. 43: 2026/01/29
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MAHAJAN, Chandrashekhar, PATIL, Aditya Dinkar, PATIL, Aditya Sandip, PATIL, Ashay, PATIL, Aashna, PATEL, Tilak, PATIL, Adwait
54: A SYSTEM FOR PLANT DISEASE DETECTION USING MACHINE LEARNING
00: -
The present invention relates to a system for plant disease detection using machine learning. The system employs a Convolutional Neural Network (CNN) to analyze plant leaf images, achieving high accuracy in disease identification. It includes data collection, preprocessing, model training, evaluation, and prediction modules. Preprocessing techniques such as resizing, normalization, and data augmentation enhance data quality. The CNN features convolutional, pooling, and dense layers with softmax activation for classification. Deployable on mobile or IoT devices, the system offers real-time detection, scalability, and accessibility. It addresses the need for accurate, timely disease detection, reducing crop losses and enhancing agricultural productivity.

21: 2025/04127. 22: 2025/05/15. 43: 2026/01/29
51: B65G
71: JI'AN COLLEGE
72: XIAO, Xixiang
54: A SMART STORAGE DEVICE FOR JINGGANG POMELOS
00: -
This invention presents a smart storage device for Jinggang pomelos, featuring a storage chamber with a sealed lid on top, a refrigeration module, a humidifier, temperature and humidity sensors, a quantum generator module, placement compartments, a buffering mechanism, a precision rotation mechanism, and a data processing center module. The data processing center module collects environmental parameter data from the temperature and humidity sensors, processes it using an organizational genetic algorithm to determine the optimal storage conditions for the pomelos. Then, the smart storage device adjusts the internal environment via the refrigeration module, quantum generator module, and humidifier. The precision rotation mechanism fine-tunes the position of the pomelos in the placement compartments to prevent surface bruising or rot from prolonged pressure on a single side, thereby preserving the original quality of the pomelos.



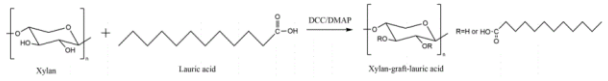
21: 2025/04131. 22: 2025/05/15. 43: 2026/01/29
51: C04B; C22B
71: CHINA ENFI ENGINEERING CORPORATION, CHINA ENFI ENGINEERING CO., LTD.
72: DAI, Wenbin, CHEN, Kuiyuan, CHEN, Xi, QI, Yongfeng, WANG, Shuxiao, CHEN, Xuegang, PEI, Zhongye
33: CN 31: 202311717499.3 32: 2023-12-14
54: METHOD FOR TREATING LATERITIC NICKEL ORE ACID LEACHING RESIDUE, AND ACTIVATED MATERIAL
00: -
Provided is a method for treating a lateritic nickel ore acid leaching residue, and an activated material. The method includes the following steps: S1, mixing a lateritic nickel ore acid leaching residue, an adjustment material, an auxiliary melting material, and a reducing agent for pressing, so as to obtain a preformed product; S2, roasting the preformed product to obtain a hot roasting residue and hot flue gas, where the hot flue gas is used for acid preparation; S3, performing magnetic separation on the hot roasting residue to obtain a refined iron material and tailings; and S4, mixing the tailings, an active material, and an exciting material for grinding, so as to obtain an activated material. The treatment method of the present application has the characteristics of being large in solid waste consumption, various in generated product, high in product output value, low in comprehensive production cost, high in resource utilization, etc., and provides a more effective solution for full recycling of valuable components of the lateritic nickel ore acid leaching residue and resource utilization of all components.



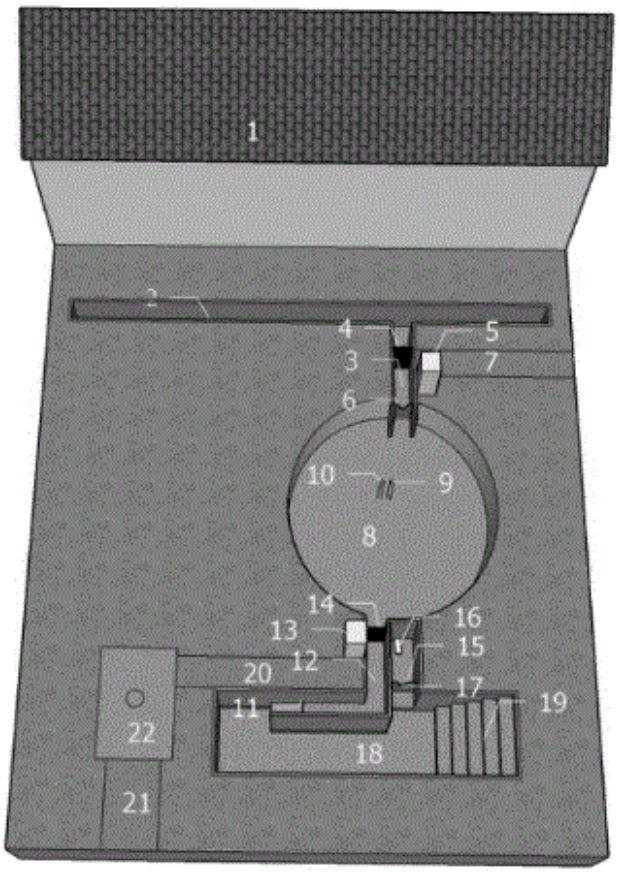
21: 2025/04156. 22: 2025/05/16. 43: 2026/01/29
51: A01N
71: Plant Protection Research Institute,Guangdong Academy of Agricultural Sciences, Huizhou Yinnong Technology Co., LTD, South China University of Technology, China National Tobacco Corporation Guangdong Company, Guangdong Tobacco Meizhou Co., LTD
72: YANG Qiyun, LIN Birun, LIN Zhengming, SHEN Huifang, TAN Kui, MO Junrui, QIAN Yixi, LIAO Lianan, WANG Xiaohui, TIAN Juntong, PU Xiaoming, ZHANG Jingxin, SUN Dayuan, LIU Pingping, LI Wencai, YANG Faheng, CHEN Zepeng
54: A DRY SUSPENDING AGENT OF BACILLUS VELEZENSIS AND ITS PREPARATION METHOD
00: -
The present invention pertains to the domain of biotechnology. It furnishes a dry suspension of Bacillus velezensis, which encompasses bacterial cells harvested via centrifugation subsequent to the fermentation of Bacillus velezensis, a wetting agent, a dispersant, a disintegrant, and a carrier. Notably, the wetting agent is an organic polymer sulfonate.The Bacillus velezensis dry suspension presented by the present invention exhibits an optimal wetting time, suspension rate, and spore content. Moreover, under ultraviolet irradiation conditions, it is capable of sustaining a relatively high spore survival rate. Simultaneously, the present invention also proffers a preparation method for the Bacillus velezensis dry suspension. Through

judicious parameter selection and coordination, a higher spore content can be preserved.

21: 2025/04157. 22: 2025/05/16. 43: 2026/01/29
51: C08F
71: Plant Protection Research Institute,Guangdong Academy of Agricultural Sciences, South China University of Technology, Guangzhou Yingchuang Technology Co., Ltd., Guangdong Branch of China National Tobacco Corporation, Guangdong Tobacco Meizhou Co., LTD
72: YANG Qiyun, LIN Birun, WANG Xiaohui, LIN Zhengming, SHEN Huifang, PU Xiaoming, ZHANG Jingxin, SUN Dayuan, LIU Pingping, ZHAO Chenghai, DU Guitao, CHEN Zhenlu, TIAN Juntong
54: AN AMPHIPHILIC XYLAN POLYMER, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF IN PESTICIDE
00: -
The present invention discloses an amphiphilic xylan polymer, a preparation and an application thereof in pesticide preparations. The preparation method for the amphiphilic xylan polymer comprises the following steps: dissolving a xylan and lauric acid in dimethyl sulfoxide, adding a coupling agent N,N'-dicyclohexylcarbodiimide and a catalyst 4-dimethylaminopyridine, reacting in a protective gas atmosphere, centrifuging to remove a reaction byproduct N-N'- dicyclohexylurea, washing with absolute ethyl alcohol, and extracting and purifying with a mixed solution of acetone and isopropanol, and drying in vacuum to obtain a xylan grafted lauric acid polymer, namely the amphiphilic xylan polymer. The amphiphilic xylan polymer prepared by the method is used as a pesticide carrier for preparing an emulsion in water containing avermectin, so that the storage stability and the wettability can be improved, and an effective way is provided for the development of green pesticide preparations.

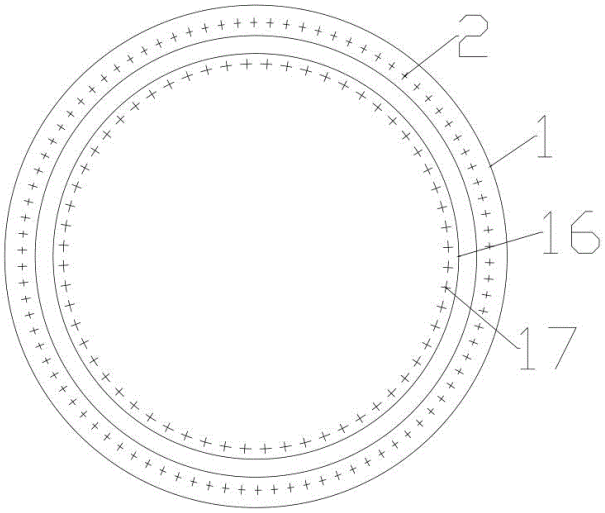


21: 2025/04158. 22: 2025/05/16. 43: 2026/01/29
51: G06Q
71: Jiangsu Ocean University
72: Qing XU, Ankang LIU, Wenjin ZHU, Lijie KUANG, Shuang LYU, Lin CHEN, Zhangjie LU, Xinyue TANG
33: CN 31: 2024111511926 32: 2024-08-21
54: AUTOMATIC MONITORING RAIN GARDEN SYSTEM AND ITS CONSTRUCTION AND EXPERIMENTAL METHODS
00: -
An automatic monitoring rain garden system and its construction and experimental methods are disclosed. The system achieves real-time monitoring of rain harvesting, storage, discharge and water quality changes by mounting the automatic water quality sampling device, automatic water suction pump, weir plate, velocity meter, drainage pipe, reservoir and other devices. The rain garden is connected to the reservoir through the inflow channel and the overflow channel, the weir plate is used to adjust the water flow, and the perforated drainage pipe is used to control the water level, so as to optimize the infiltration and discharge process of rain. A multi-layer filtration system is arranged in the soil layer, including the planting soil layer, biological filter layer, gravel layer and fine sand medium layer, which can effectively remove pollutants in water. Through hydrological monitoring and automatic control technology, the system can collect water samples in real-time, control water levels, etc., and provide scientific management to optimize rain management and reduce runoff pollutants.



21: 2025/04159. 22: 2025/05/16. 43: 2026/01/29
51: H02K
71: Jinlong Zhang
72: Jinlong Zhang
54: POWER GENERATION DEVICE UTILIZING GRAVITY INERTIA
00: -

The invention relates to the technical field of power generation devices, and in particular to a power generation device utilizing gravity inertia. The telescopic columns are evenly provided along a central ring line between inner and outer sides of the circular track, and two adjacent telescopic columns are connected by chains; the gears are connected to the power shafts with sliding keys; the gears rotate in coordination with the chains; the sliding wheels are located at four corners of the power generation vehicles and are on the circular track; first flywheels of the same structure are symmetrically provided at both ends of the power shafts, and the first flywheels are connected to the power shafts through ratchets; the AC generators are double-ended shaft generators; second flywheels with planetary gears are respectively provided on the shafts at both ends of the AC generators; the first flywheels and the second flywheels are differentially connected by belts. The invention uses the alternating arrangement of the telescopic columns to make the chains move up and down, driving the gears on the generator vehicles to rotate, and then using the gravitational potential energy to convert into kinetic energy, combined with the inertia of the flywheels, the kinetic energy is efficiently transmitted to the AC generator, achieving full utilization of gravity and inertia, and improving energy conversion efficiency.

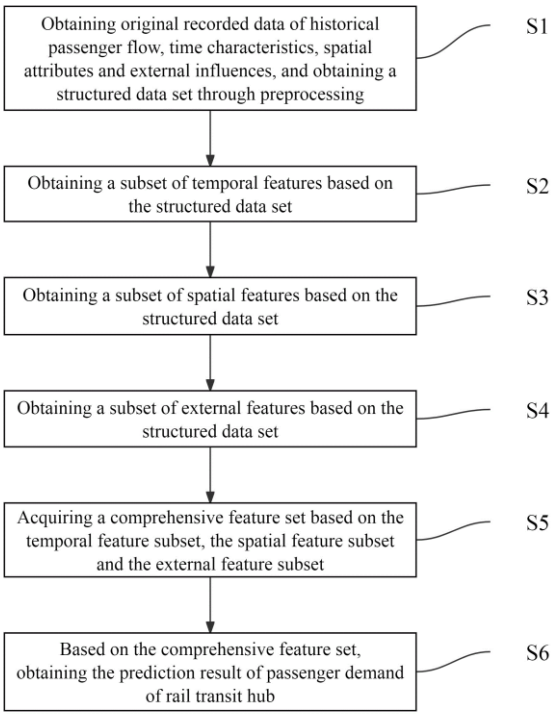


21: 2025/04160. 22: 2025/05/16. 43: 2026/01/29
51: A61K
71: Jie Lv
72: Changchun Li, Jinliang Li, Yang Yang, Jinxin Li, Xiayi Li, Jie Lv, Haochen Li
33: CN 31: 2025101953101 32: 2025-02-21
54: TRADITIONAL CHINESE MEDICINAL SPRAY FOR TREATING SKIN DISEASES
00: -

Existing means of treatment for skin diseases is mainly through hormone drugs and some skin care products type of cream and Chinese medicine prescription, the disadvantage is that the treatment time is long, slow results, and high cost, bringing pain and economic burden to the patient, and can not play a rapid therapeutic effect; in order to solve the above technical problems, the present invention discloses a traditional Chinese medicinal spray for treating skin diseases, the traditional Chinese medicinal spray is composed of the following components in parts by weight: 5-10 parts of

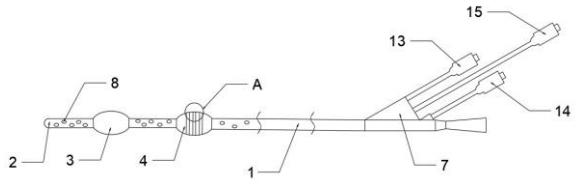
Ipomoea cairica, 4-9 parts of Dioscorea nipponica Makino, 6-11 parts of Periostracum Serpentis, 3-9 parts of Clerodendrum thomsoniae, 4-11 parts of Solanum nigrum, and 4-7 parts of ginseng; the preparation method of said traditional Chinese medicine spray comprises the steps of raw material preparation, washing and drying, crushing and mixing, soaking and extraction, and filtration and filling, and so forth; the traditional Chinese medicinal spray has the efficacy of clearing away heat and detoxification, dispersing blood stasis and eliminating swellings, sterilizing and anti-inflammation, and relieving pain and itch, and the components of the Chinese herbal medicines are able to play a synergistic effect and jointly treat the skin disease, with short time and quick effect.

21: 2025/04161. 22: 2025/05/16. 43: 2026/01/29
51: G06Q
71: JIAXING NANYANG POLYTECHNIC INSTITUTE
72: LI Qingyu, XIE Chuanzhi
33: CN 31: 2025105065123 32: 2025-04-22
54: METHOD AND SYSTEM FOR PREDICTING PASSENGER DEMAND AT RAIL TRANSIT HUBS BASED ON DATA ANALYSIS
00: -
The present invention belongs to the field of information technology, and specifically relates to a method and system for predicting passenger demand at rail transit hubs based on data analysis. The method includes: acquiring raw recorded data on historical passenger flow, temporal characteristics, spatial attributes, and external influences, and obtaining a structured dataset through preprocessing; extracting a temporal feature subset based on the structured dataset; extracting a spatial feature subset based on the structured dataset; extracting an external feature subset based on the structured dataset; generating a comprehensive feature set by integrating the temporal feature subset, spatial feature subset, and external feature subset; and obtaining predicted passenger demand results for the rail transit hub based on the comprehensive feature set. The invention comprehensively considers feature vectors incorporating historical passenger flow, temporal characteristics, spatial attributes, and external influences, thereby improving the accuracy of passenger demand prediction for rail transit hubs.

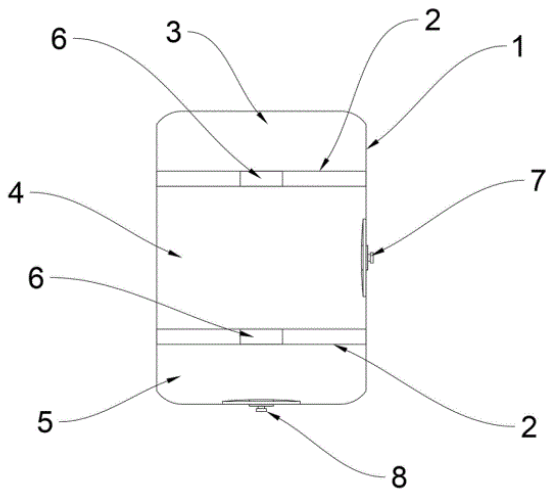


21: 2025/04162. 22: 2025/05/16. 43: 2026/01/29
51: A61M
71: SHANGHAI UNIVERSITY OF MEDICINE & HEALTH SCIENCES, HOU Liying
72: HOU Liying, SHI Tianqi, KE Yufei
54: NOVEL INTESTINAL OBSTRUCTION CATHETER
00: -
The present invention relates to the technical field of medical devices and discloses a novel intestinal obstruction catheter including: a catheter, a guide head, a bifurcation, a front balloon and a rear balloon. The outer wall of the catheter is coated with a lubricating layer, the inner wall is coated with an antibacterial layer, and the outer wall of the rear balloon is provided with multiple flanges that conform to and seal against the intestinal wall when the rear balloon is inflated. The catheter contains a nutrition delivery channel connected to a nutrition delivery valve installed on the bifurcation. The front end of the catheter is provided with side holes for gastric decompression. In this device, the lubricating coating on the outer wall facilitates insertion into the patient's intestinal tract, the antibacterial coating on the inner wall prevents bacterial infection, the

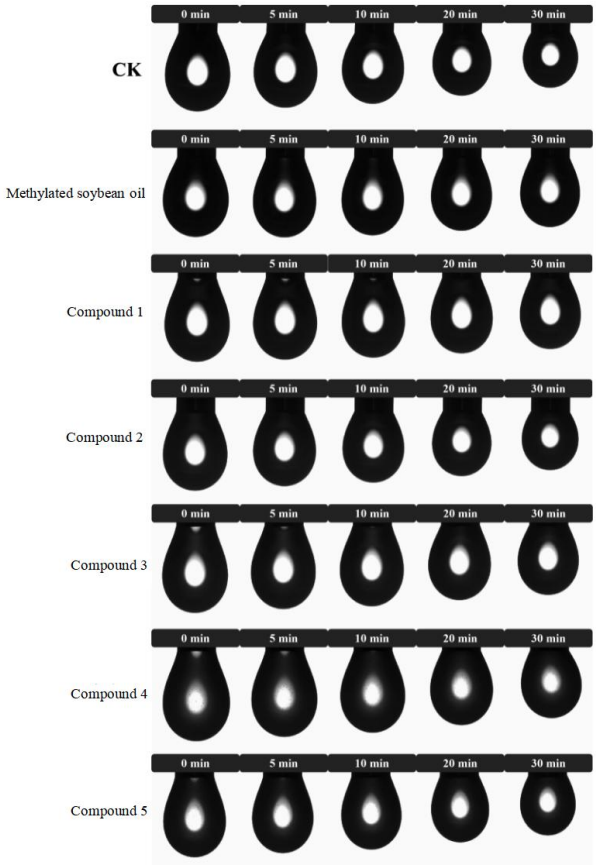
flanges on the rear balloon increase contact pressure with the intestinal wall to enhance fixation, and the nutrition delivery channel enables direct nutrient supply to the intestines.



21: 2025/04163. 22: 2025/05/16. 43: 2026/01/29
51: A61M
71: AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY
72: Ye Cui, Yuanli Jiang, Qili Cao, Xiang Li, Jie Li, Xiaoli Yuan
33: CN 31: 2025104367520 32: 2025-04-09
54: ANTI-EXTRAVASATION INFUSION DEVICE WITH SEALING FUNCTION
00: -
An anti-extravasation infusion device with a sealing function, comprising a bag body, partition seals are arranged inside the bag body, and space inside the bag body is divided into an upper bag, a middle bag, and a lower bag, and a switch handle is arranged on each partition seal; an input connector is arranged on one side of the middle bag, and an output connector is arranged at a bottom of the lower bag; connections between the input connector and the bag body, the output connector and the bag body are provided with grooves, bottoms of the input connector and the output connector are fixedly sealed and connected with the flexible films of bottoms of the grooves. This invention features grooves designed at the connection between the input connector and the bag body, and the connection between the output connector and the bag body, accompanied by peelable sealing strips. After the infusion process is completed, the connectors are pressed into the grooves and sealed with the sealing strips, preventing the residual liquid medicine inside the bag body from easily coming into contact with the connectors. This significantly reduces the risk of residual liquid leakage, effectively prevents drug extravasation problems, ensures medical safety, and also reduces the environmental pollution caused by drugs, demonstrating significant clinical application value.



21: 2025/04164. 22: 2025/05/16. 43: 2026/01/29
51: A61K; A61Q
71: CHENGDU HANOVA BIOSCIENCES CO., LTD
72: Tingzhuo CHEN, Jiayu LIU, Quan SHI
33: CN 31: 202510450020.7 32: 2025-04-10
54: A METHOD FOR INHIBITING WATER EVAPORATION AND AN APPLICATION OF AN ANTI-EVAPORATION AGENT
00: -
The present invention relates to the technical field of agricultural chemistry, in particular to a method for inhibiting water evaporation and an application of an anti-evaporation agent; by applying the sulfite ester compounds, the water evaporation rate is significantly reduced, which is adaptable to the application methods such as foliar spraying, and trickle irrigation, etc. The method of the present invention has the advantages of easy operation, environmental friendliness, and controllable cost, and is suitable for agricultural water-saving and precision pesticide application in arid regions.



21: 2025/04165. 22: 2025/05/16. 43: 2026/01/29
51: A61K; A61P
71: LANZHOU UNIVERSITY, ZHANGYE WATER SAVING AGRICULTURAL EXPERIMENTAL STATION, GANSU ACADEMY OF AGRICULTURAL SCIENCES
72: LIU, Diru, LI, Xing, JU, Qi, JU, Xueyang, CHAI, Xuejun, ZHAO, Weilin, DING, Liangliang, PEI, Liangqi
33: CN 31: 2025104127955 32: 2025-04-02

54: A NOVEL WHEY PROTEIN ISOLATE-INULIN (WPI-IN) COMPLEX WITH ANTIOXIDANT CAPACITY AND IMMUNOMODULATORY ACTIVITY

00: -

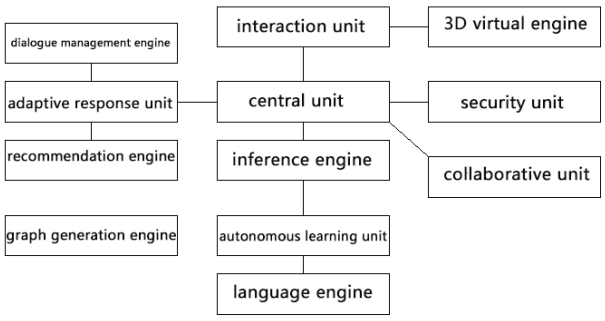
The present invention relates to a novel whey protein isolate-inulin (WPI-In) complex with antioxidant capacity and immunomodulatory activity, belonging to the technical field of food processing. The whey protein-inulin composite of this invention comprises the following components by mass ratio: 10–20 parts whey protein isolate, 35–65 parts inulin, 3–7 parts plant-derived gum, and 150–250 parts water. The WPI-In composite of the invention is capable of: Promoting the growth and development of immune organs and the secretion/accumulation of immunoglobulins; Improving cytokine levels and immune function; Significantly enhancing systemic antioxidant capacity, anti-inflammatory activity, and immunocompetence; Effectively alleviating inflammatory responses and reducing oxidative stress damage, while inducing no toxic or adverse effects on the organism.

21: 2025/04166. 22: 2025/05/16. 43: 2026/01/29
51: G06N
71: ZHENGZHOU UNIVERSITY OF AERONAUTICS
72: HE, Linlin, HE, Jiayue, WANG, Sheng, MA, Rongchen, HAO, Yidong, XU, Yangming

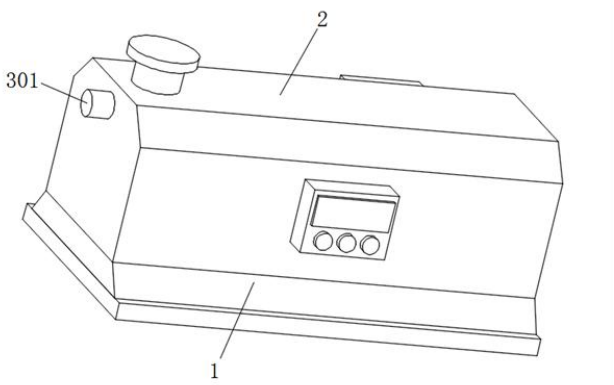
54: HUMAN-MACHINE INTERACTION SYSTEM BASED ON AI LARGE MODEL

00: -

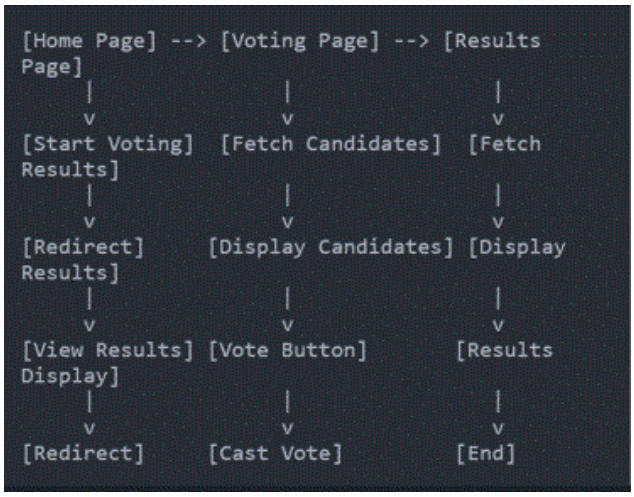
A human-machine interaction system based on AI large model, comprising a central unit. The interaction unit is used to fuse multiple input methods such as text, voice, image, video, micro expressions, eye tracking trajectory, and gesture, and generate interactive information to be transmitted to the central unit, so that the system understands and responds to user inputs in different forms. The adaptive response unit uses an AI large model for sentiment analysis, identifies the user's emotional state, and adjusts the system's response method according to the emotional state. It can provide personalized responses based on the conversation history, context, and sentiment analysis, continuously track the user's needs changes in multiple rounds of conversations, ensure that the conversation content is highly consistent with the user's expectations, and at the same time, through deep learning and large models, AI systems can extract information from different input forms and perform cross modal inference.



21: 2025/04167. 22: 2025/05/16. 43: 2026/01/29
51: F26B
71: HUAIYIN INSTITUTE OF TECHNOLOGY, NANJING FORESTRY UNIVERSITY
72: LI, Yanjiao, LI, Deqi, JIANG, Heng, HONG, Kun, SUN, Hao, KONG, Yazhou, WANG, Jinquan
54: VIBRATING FLUIDIZED BED DRYING DEVICE
00: -
The present invention discloses a vibrating fluidized bed drying device comprising a base connected to a housing. The top of the inner cavity of the housing is provided with a flipping mechanism, and the surface of the flipping mechanism is provided with a drying mechanism. The flipping mechanism comprises a servo motor, which is fixedly installed on the top of the left side of the housing. The present invention facilitates the drying treatment of materials by setting the housing. By setting the servo motor, threaded rod, threaded sleeve, crossbar, and flipping cone, the material inside the housing can be flipped, and the material at the bottom can be flipped to the top to improve the drying efficiency of the material. To evenly dry the material, a drying mechanism is set up, It can transport hot air to the interior of materials for drying, which has high drying efficiency.



21: 2025/04168. 22: 2025/05/16. 43: 2026/01/29
51: G07C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WAIKER, Rahul, SRIVASTAVA, Tanmay, JADHAV, Tanishkka, TAWALE, Sujal, PANDITA, Rahul, BAJAD, Tanmay, SINGH, Tanmay
54: A DECENTRALIZED VOTING SYSTEM USING BLOCKCHAIN
00: -
The present invention relates to a decentralized voting system using blockchain. It leveraging blockchain technology, built with React JS for an intuitive frontend and Solidity for robust smart contracts. It ensures secure, transparent, and tamper-proof voting by utilizing blockchain's immutability and decentralization. The React JS interface enhances usability, allowing voters to register, cast votes, and view results effortlessly, while Solidity smart contracts manage the voting process securely on a blockchain network like Ethereum or Volta. This invention addresses the flaws of traditional voting systems, offering a trustworthy and accessible solution that fosters greater participation and confidence in democratic processes.

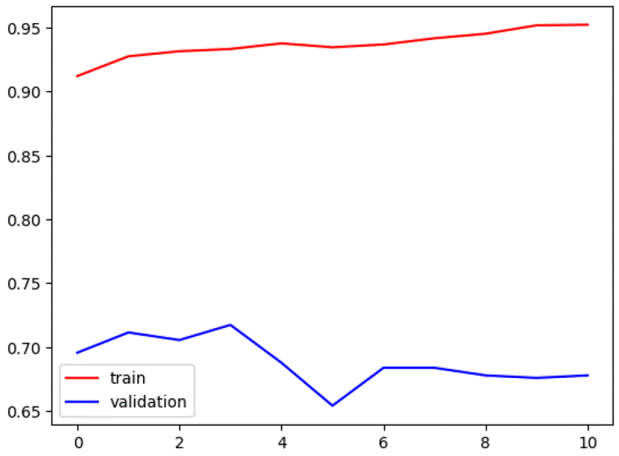


21: 2025/04169. 22: 2025/05/16. 43: 2026/01/29
51: G09B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DOMBALE, Anita, GUJRATHI, Sharan, SHAHA, Omkar, DANGE, Shantanu, SHELAR, Anjali, SHIKALGAR, Adil
54: AN AI-BASED SIGN LANGUAGE TO TEXT AND TEXT TO SIGN INTERPRETER SYSTEM
00: -
The present invention relates to an AI-based sign language to text and text to sign interpreter system. translates sign language into text and spoken language while also converting text into sign language using an animated avatar. The system employs computer vision and deep learning techniques, including convolutional and recurrent neural networks, to recognize hand gestures and process continuous sign sequences. It operates on standard laptop hardware, eliminating the need for specialized devices. The invention provides a cost-

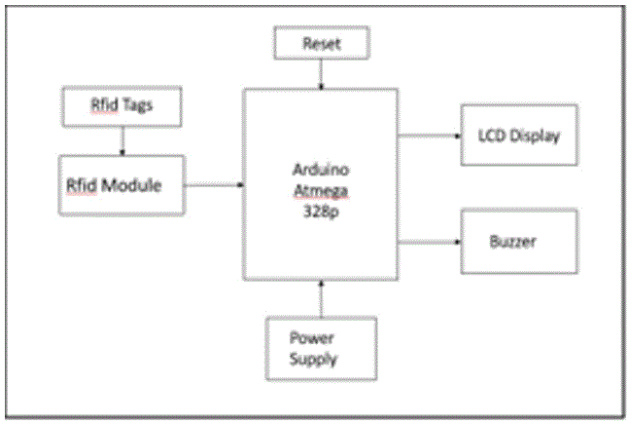
effective and accessible solution for communication between hearing-impaired individuals and non-sign language users.

21: 2025/04170. 22: 2025/05/16. 43: 2026/01/29
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TAJNE, Ketan, JHA, Swastik, PATIL, Swaraj, KANOJE, Swayam, TALE, Mangesh, TAKALE, Abhjeet, WAIKAR, Rahul
54: A SYSTEM FOR MANAGING TOWING SERVICES ONLINE
00: -
The present invention relates to a system for managing towing services online. It integrating a user-friendly web platform with advanced technologies. Built with JavaScript, HTML, CSS, XAMPP, PHP, and MySQL (via phpMyAdmin), it enables users to request towing services, track progress in real-time, and access service history. Service providers benefit from efficient fleet management and data analytics. The system addresses industry challenges by offering seamless service delivery, operational scalability, and enhanced user experience, surpassing traditional methods with its comprehensive, technology-driven approach.

21: 2025/04171. 22: 2025/05/16. 43: 2026/01/29
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JOSHI, Anita, VANIYA, Pallav, BHATT, Vansh, THORAT, Ved, PATIL, Vedant, MALI, Vedika, VEER, Abhishek
54: A SYSTEM FOR EVALUATING EDGE DETECTION ALGORITHMS FOR OBJECT CLASSIFICATION IN CONVOLUTIONAL NEURAL NETWORKS
00: -
The present invention relates to a system for evaluating edge detection algorithms for object classification in convolutional neural networks. It introduces a systematic benchmarking methodology that assesses the impact of different edge detection techniques on classification performance. The invention further incorporates an intelligent selection mechanism that dynamically recommends the optimal preprocessing strategy based on dataset-specific requirements. By integrating these advancements, the invention enhances classification accuracy and computational efficiency, making it an essential tool for computer vision applications.



21: 2025/04172. 22: 2025/05/16. 43: 2026/01/29
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: THUSE, Tanishq, THORVE, Prashant, THAKUR, Raj, THOTE, Anshul, THAKUR, Isha, THAKUR, Shatananda
54: A HY-TECH SHOPPING CART SYSTEM USING OBJECT DETECTION AND HUMAN FOLLOWING TECHNOLOGY
00: -
The present invention relates to a Hy-Tech shopping cart system using object detection and human following technology. It enhances the retail experience using object detection and human following technology. Equipped with a camera, depth sensors, and a microcontroller, it employs convolutional neural networks to accurately track items and advanced algorithms to follow shoppers autonomously. This hands-free solution reduces physical effort, improves store efficiency, and integrates with management systems for real-time updates, offering a seamless and personalized shopping experience.

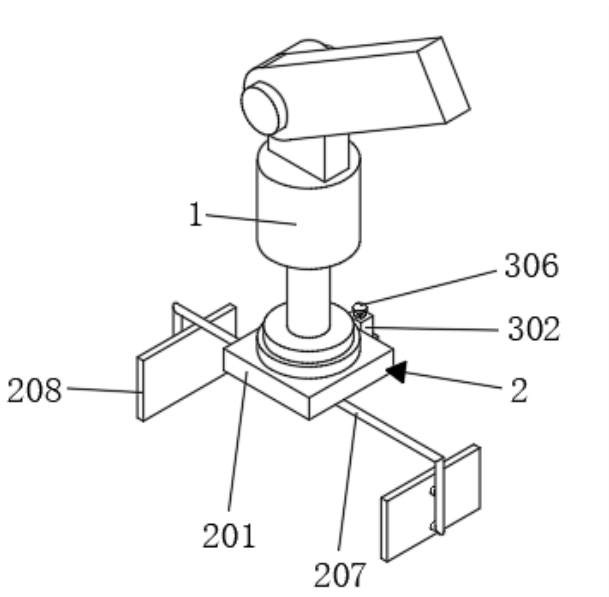


21: 2025/04173. 22: 2025/05/16. 43: 2026/01/29
51: B25J
71: SHANDONG INSTITUTE OF PETROLEUM AND CHEMICAL TECHNOLOGy
72: LIU, Shanzeng, LIU, Jiaming, LIU, Xiaojun, ZHANG, Zhujun, LIU, Lihong

54: MICRO - DISTANCE RECOGNITION MANIPULATOR FOR MANUFACTURING ROBOTS

00: -

The present invention relates to the field of mechanical manufacturing technology and discloses a micro - distance recognition manipulator for manufacturing robots, comprising a mechanical arm body. The bottom of the mechanical arm body is provided with a clamping component, which includes a positioning plate fixedly connected to the mechanical arm body. The present invention can clamp objects by setting a clamping component. By setting a recognition component, the limited position plug-in rod can be detached from the plug-in block by pulling the lifting head, which facilitates the disassembly of the limit position card board and intelligent recognition camera. Releasing the lifting head can make the limit card board and intelligent recognition camera stable.

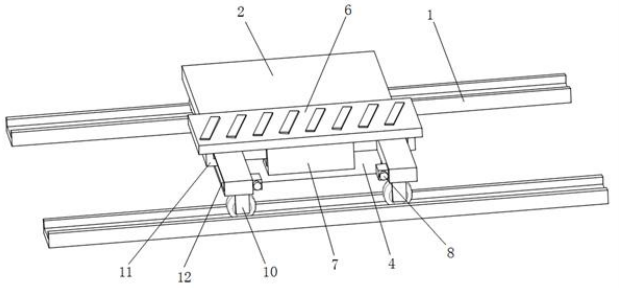


21: 2025/04174. 22: 2025/05/16. 43: 2026/01/29
51: B61B
71: HUAINAN NORMAL UNIVERSITy
72: LI, Shujuan, WANG, Shiwei, LI, Zhirong, SONG, Yuhan, ZHU, Xiaoyue, ZHU, Zhixiang

54: ANTI GAP TELESCOPIC DEVICE FOR RAIL TRANSIT

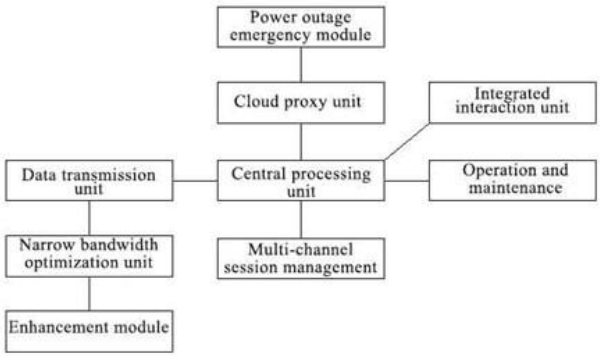
00: -

The present invention discloses an anti gap telescopic device for rail transit. It improves positioning accuracy and the risk of objects falling off at the gaps of the platform due to incomplete fit with the platform. The device includes a line track and a base, with two tracks. A driving mechanism is provided at the rear position of the base bottom. The invention facilitates the movement of the base by setting up a line track and a driving mechanism. By setting up a laser rangefinder, the distance between the device and vehicle body is measured, the position of the device can be calibrated based on this data to ensure accurate docking with the car door. By setting up a first motor, threaded rod, threaded sleeve, and push plate, the pedal can be moved forward to fill the gap, avoiding passengers from stepping on it and preventing items from falling off.



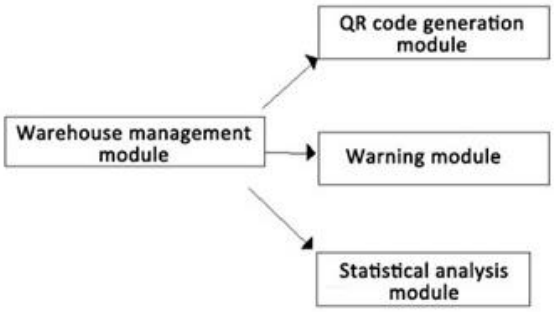
21: 2025/04179. 22: 2025/05/16. 43: 2026/01/28
51: G05B
71: INNER MONGOLIA LONGYUAN MENGDONG NEW ENERGY CO., LTD
72: WANG, Junping, CHEN, Fangqiu, HU, Jiaqi, BAI, Wenhao, XU, Mingxing, WANG, Yanli
54: INTELLIGENT WIND FARM EQUIPMENT MANAGEMENT SYSTEM AND MANAGEMENT METHOD
00: -

The present invention relates to wind farm management technology and discloses an intelligent wind farm equipment management system and method. The system comprises a central processing unit, a cloud proxy unit deployed on front-end machines at each wind farm, and employs layered encoding to compress configuration interfaces and voice data in real time. A narrow bandwidth optimization unit connects to a data transmission unit, while an operation and maintenance management unit interfaces with the central processor. An integrated interaction unit enables user interaction and supports device, sensor, and system integration. Remote control and scheduling of wind farm equipment are achieved via a remote operation platform. A centralized control center connects in real time to 16 wind farms through narrowband, long-distance network channels using cloud desktop protocol technology. This enables remote diagnostics, configuration access, and voice alarm transmission, ensuring accurate, real-time alerts and efficient monitoring across all connected wind farms.



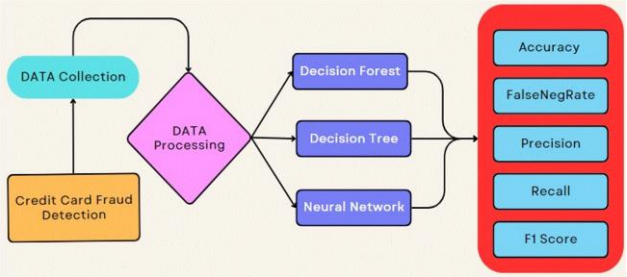
21: 2025/04180. 22: 2025/05/16. 43: 2026/01/28
51: G06Q
71: INNER MONGOLIA LONGYUAN MENGDONG NEW ENERGY CO., LTD
72: ZHANG, Zhili, YU, Chongyang, HU, Jiaqi, ZHANG, Rui, LI, Penghuan
54: INTELLIGENT PRODUCTION OPERATION MANAGEMENT SYSTEM AND METHOD FOR WIND FARM
00: -

An intelligent production operation management system and method for wind farms, including warehouse management module, QR code generation module, warning module, and statistical analysis module; the warehouse management module is used to build a full lifecycle management network for spare parts, which covers electronic processes such as plan application, procurement approval, inbound registration, outbound verification, loan circulation, and maintenance tracking; the QR code generation module generates a unique QR code for each spare part based on item coding rules, the QR code is associated with and stores technical parameters, inventory location, and circulation record information; the warning module triggers zero inventory, safety stock, and obsolete material warning signals by real-time comparison of inventory levels with preset thresholds; the statistical analysis module establishes a demand forecasting model based on historical consumption data and generates multidimensional inventory analysis charts.

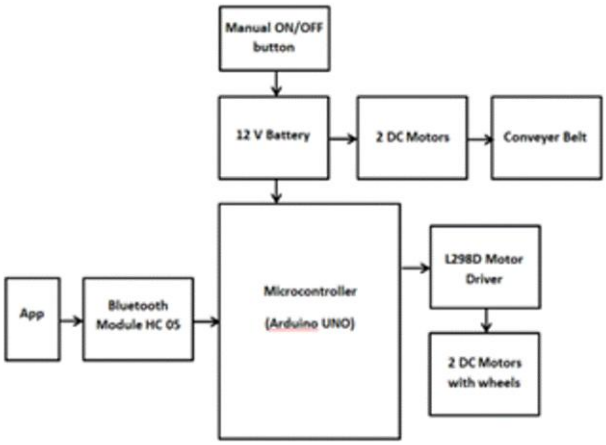


21: 2025/04181. 22: 2025/05/16. 43: 2026/01/23
51: G10L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JANOKAR, Sagar Gajanan, SRIVASTAVA, Ayush Sunil, SHINDE, Sudhakar, THAKUR, Sujal, SULTANE, Nikhil, MALODE, Sumedh, SUPE, Jagruti
54: AN INSTANT TEXT COMPREHENSION AND SPEECH INTERFACE SYSTEM
00: -
The present invention relates to an instant text comprehension and speech interface system. Users select text on a webpage to retrieve definitions from external sources, which are displayed in a popup and can be audibly rendered via integrated text-to-speech functionality. The system minimizes manual interventions, offering seamless, real-time access to supplementary content, thereby enhancing web accessibility and user learning. This invention significantly improves the browsing experience by combining text lookup and auditory output within a unified interface.

21: 2025/04182. 22: 2025/05/16. 43: 2026/01/23
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SONWANE, Vishnu R., ZANJE, Siddika, YENPURE, Siddhant, GUNJAL, Yash, KULKARNI, Yash, YEOLE, Rohit
54: A MACHINE LEARNING-BASED CREDIT CARD FRAUD DETECTION SYSTEM
00: -
The present invention relates to a machine learning-based credit card fraud detection system. It collects and preprocesses transaction data, engineers features, and utilizes algorithms like decision trees, random forests, and neural networks to identify fraudulent patterns. A real-time detection engine predicts fraud likelihood, while a model updating mechanism ensures adaptability to new threats. Compared to traditional methods, the system offers enhanced security, higher accuracy, cost-efficiency, and scalability, addressing the critical need for robust fraud prevention in digital finance.



21: 2025/04183. 22: 2025/05/16. 43: 2026/01/23
51: G05D
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SONWANE, Vishnu R., WANWE, Shreya V., WARADE, Soniya P., WARALE, Krupal V., WASNIK, Siddhant S., WATHURKAR, Vineet V.
54: A BLUETOOTH CONTROLLED RIVER CLEANING ROVER SYSTEM
00: -
The present invention relates to a bluetooth controlled river cleaning rover system. It is a remote-operated rover designed to efficiently remove floating solid waste from river surfaces. Controlled via a mobile application using Bluetooth technology, the apparatus features a conveyor belt mechanism for debris collection, powered by a 12V battery. Key components include the HC-05 Bluetooth module, Arduino UNO microcontroller, L298D motor driver, and BO gear DC motors. This innovative solution offers a cost-effective, environmentally friendly, and labor-saving alternative to traditional river cleaning methods, addressing the urgent need for improved water pollution control.

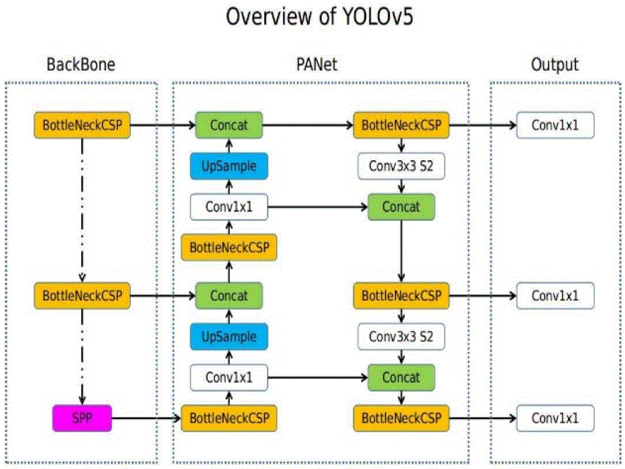


21: 2025/04184. 22: 2025/05/16. 43: 2026/01/23
51: G01V
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NANDESHWAR, Vikas, SHENDE, Vishwatej, SHINDE, Arya, SHENDRE, Rishi, SHENGOLKAR, Lokesh, SHETE, Anish, SHINDE, Darshan

54: AN AUTOMATED SPIT DETECTION AND ALERT SYSTEM USING OBJECT DETECTION

00: -

The present invention relates to an automated spit detection and alert system using object detection. Utilizing surveillance cameras to capture video footage, the system employs a processing unit running a YOLOv5 object detection model trained on a custom dataset of spitting images. Upon detecting a spitting action, an alert mechanism sends notifications to authorities via Telegram. Designed for efficiency and accuracy, the system integrates with existing surveillance infrastructure, offering high detection precision (F1 score of 0.80), scalability, and cost-effectiveness. It addresses public spitting by enhancing health safety and regulatory enforcement.

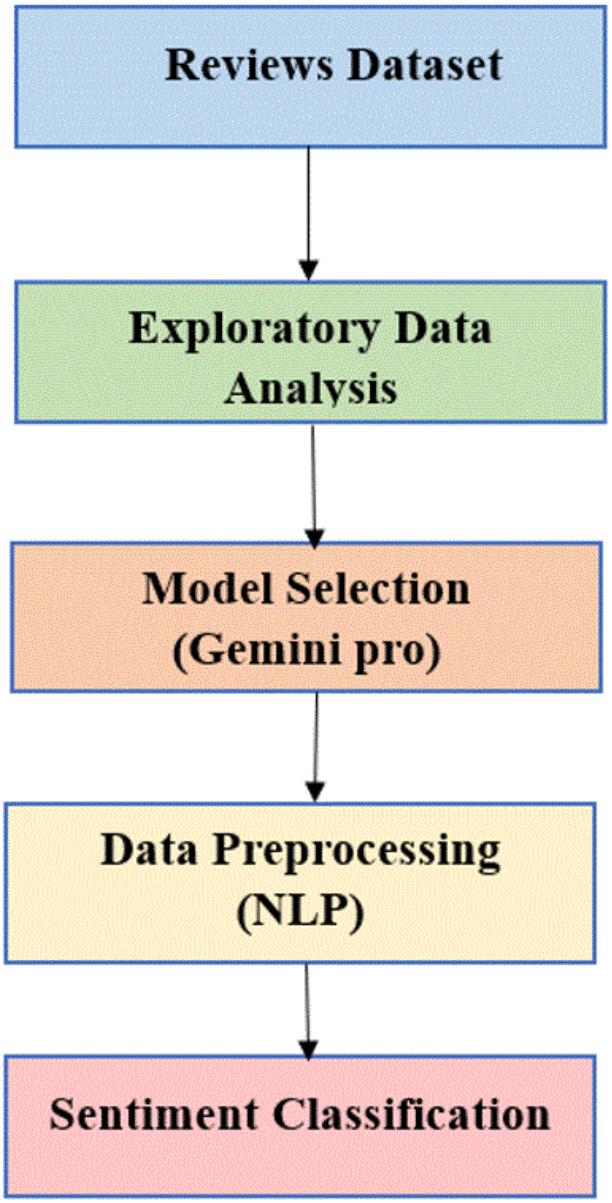


21: 2025/04185. 22: 2025/05/16. 43: 2026/01/23
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SONWANE, Vishnu, WAGHMODE, Prerna, WAMAN, Radha, WAKCHAURE, Ishwari, WAKLE, Prajwal, WALIKAR, Amey, WANKHEDE, Dhanashri

54: A DATA ANALYZER TOOL SYSTEM

00: -

The present invention relates to a data analyzer tool system. It is designed for automated data processing, statistical analysis, and visualization. The tool integrates data from multiple sources, applies machine learning algorithms for insights, and generates interactive visual reports. It features an intuitive interface, real-time collaboration, and flexible customization, making it a valuable solution for business intelligence, scientific research, and other data-driven industries. The invention enhances efficiency, accuracy, and accessibility in data analysis, addressing the limitations of conventional methods.



21: 2025/04186. 22: 2025/05/16. 43: 2026/01/23
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BHAWARTHI, Amruta, KOLI, Swapnil, KOSHATWAR, Prasad, KOTHARI, Pranit, KSHIRSAGAR, Dattatray, KSHIRSAGAR, Manas, KSHIRSAGAR, Tanishka
54: AN IOT BASED SMART LOCK SYSTEM FOR ENHANCED SECURITY
00: -
The present invention is related to an IOT based smart lock system for enhanced security. The rapid advancement of Internet of Things (IoT) technologies has significantly transformed traditional security mechanisms, leading to the development of smart lock systems. This invention explores the design, implementation, and security implications of smart lock systems, highlighting their advantages over conventional locking mechanisms. Smart locks integrate wireless communication, encryption protocols, and user authentication techniques to offer enhanced security and convenience. Through a comprehensive review of current technologies, including Bluetooth, Wi-Fi, and Zigbee, this study evaluates the effectiveness, reliability, and potential vulnerabilities of these systems. Experimental results from a prototype implementation demonstrate the practicality and robustness of smart locks in real-world applications. The findings suggest that while smart lock systems provide significant improvements in accessibility and user control, they also introduce new challenges in cybersecurity and privacy that must be addressed to ensure widespread adoption. Future research directions are proposed to enhance the resilience and user trust in smart lock.

21: 2025/04187. 22: 2025/05/16. 43: 2026/01/23
51: G08G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JANOKAR, Sagar, KATOLE, Sneha, SINGH, Tanishka, MANJARE, Siddhesh, TAMBE, Siddhesh, PHATANGARE, Sneha, YERAWAR, Siddhi
54: A SYSTEM FOR ACCIDENT PREVENTION ON GHAT ROADS USING IMAGE PROCESSING
00: -
The present invention relates to a system for accident prevention on ghat roads using image processing. Utilizing the YOLOv8 algorithm for object detection and OpenCV for lane detection, the system identifies hazards such as animals, pedestrians, and vehicles, while providing accurate lane guidance. A camera module captures road images, processed by a unit that triggers immediate alerts and displays navigational cues via an integrated interface. Designed to operate in diverse environmental conditions, the invention reduces accident risks by offering proactive hazard detection and driver assistance. Its adaptability and integration with existing vehicle systems make it a robust solution for mountainous terrains.

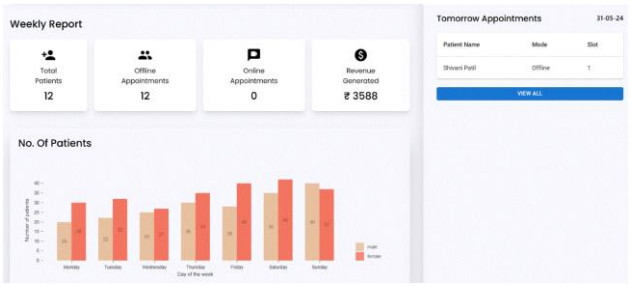


21: 2025/04188. 22: 2025/05/16. 43: 2026/01/23
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANJALE, Pooja, JAMBHULKAR, Shreyash V., ANAND, Ridham, ANAND, Arnav, GUPTA, Akshat, MUTHA, Shreyash, BENDE, Shrikar

54: A HEALTHCARE APPOINTMENT AND RECORD MANAGEMENT SYSTEM

00: -

The present invention relates to a healthcare appointment and record management system. The proposed system is a web-based platform that streamlines healthcare management through seamless appointment scheduling and medical record management. Featuring a patient portal for booking appointments and managing reports, a doctor dashboard for practice oversight, and a backend powered by Node.js, MongoDB, and React, it ensures real-time updates and secure cloud storage. Patients benefit from simplified booking and automated notifications, while doctors gain efficient tools for managing appointments and records. BookWellCare enhances accessibility, efficiency, and satisfaction, modernizing healthcare delivery.



21: 2025/04189. 22: 2025/05/16. 43: 2026/01/23
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANJALE, Pooja, BAM, Shlok, CHULLIYAN, Shreyas, SONAWANE, Shreya, SHIVSHETTE, Anjali, RAI, Shrey, NYAYAPATHI, Shreekar

54: A COMPREHENSIVE WILDLIFE PROTECTION SYSTEM USING YOLO

00: -

The present invention relates to a comprehensive wildlife protection system using YOLO. The proposed system employs the YOLO real-time object detection algorithm to identify human presence in restricted wildlife areas. Using surveillance cameras and an alert mechanism, it detects humans and instantly notifies authorities via a communication network, enabling rapid response to potential poaching. Enhanced by the Transformer Encoder Block and data augmentation, the system ensures high accuracy and adaptability in diverse environments. It offers real-time monitoring, scalability, and cost-effectiveness, significantly enhancing anti-poaching efforts and wildlife conservation.



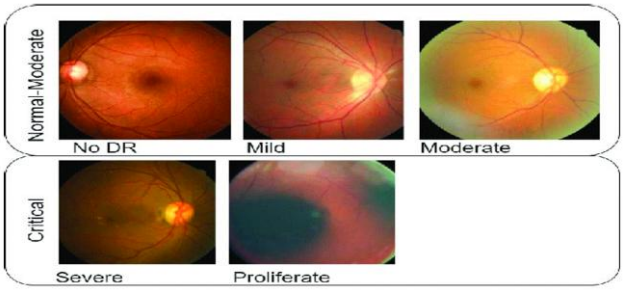
21: 2025/04190. 22: 2025/05/16. 43: 2026/01/23
51: G06T
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JANOKAR, Sagar, MUNDHADA, Suraj, SURWASE, Hariom, SURYAWANSHI, Avishkar, SURYAWANSHI, Ketakee, SUTAR, Aryan

54: A METHOD FOR AUTOMATED DETECTION OF DIABETIC RETINOPATHY USING DEEP LEARNING TECHNIQUES

00: -

The present invention relates to a method for automated detection of diabetic retinopathy using deep learning techniques. It processes retinal images from the EyePACS dataset, employing preprocessing (cropping, resizing) and data

augmentation (mirroring, rotation) to address class imbalance. The system classifies DR into five stages with approximately 81% accuracy, eliminating manual examination needs. It offers a cost-effective, scalable solution, enhancing early detection and accessibility, especially in underserved areas, with technical advantages over traditional methods through automation and robust performance metrics.

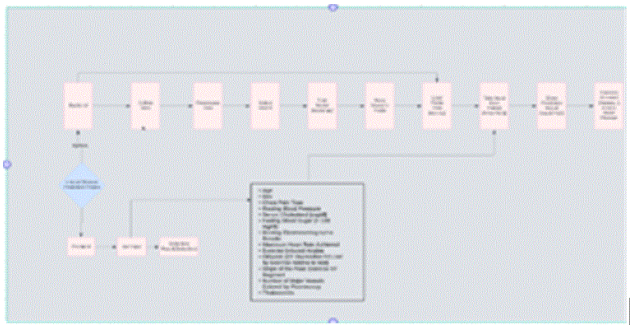


21: 2025/04191. 22: 2025/05/16. 43: 2026/01/23
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JANOKAR, Sagar Gajanan, SOWALE, Arnav, SONNE, Kunal, SONTAKKE, Swaraj, SONWANE, Ganesh, MAYKAR, Soyam, MUNNALURI, Sri Sai Preethi

54: A MACHINE LEARNING BASED HEART DISEASE DETECTION SYSTEM

00: -

The present invention relates to a machine learning based heart disease detection system. It utilizes advance algorithms like Random Forest to analyze clinical and demographic data from the "heart.csv" dataset. Addressing the limitations of invasive and slow traditional diagnostics, the system offers a non-invasive, rapid, and accurate (90.16%) solution. It processes features such as age, cholesterol, and heart rate to predict disease presence, enabling timely intervention. Benefits include improved patient outcomes, scalability, and healthcare efficiency, marking a significant advancement in preventive cardiology.

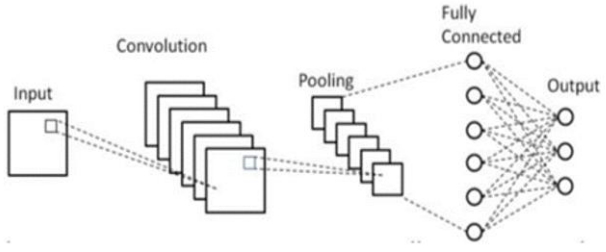


21: 2025/04192. 22: 2025/05/16. 43: 2026/01/23
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JANOKAR, Sagar, SOMANI, Nimish, SOLANKI, Purvi, SOLANKE, Samiksha, SOLUNKE, Aditya, SOMAN, Ishan

54: A VITAMIN DEFICIENCY DETECTION SYSTEM USING IMAGE PROCESSING AND MACHINE LEARNING

00: -

The present invention relates to a vitamin deficiency detection system using image processing and machine learning. It utilizes image processing and machine learning to identify nutritional deficiencies from visual cues. The system captures images of body parts such as skin, eyes, tongue, lips, and nails, preprocesses these images to enhance quality, and isolates regions indicative of vitamin deficiency symptoms. A convolutional neural network (CNN) then extracts relevant features that are classified to diagnose deficiencies non-invasively. This approach offers a cost-effective, rapid, and accurate alternative to traditional diagnostic methods, particularly benefiting areas with limited access to healthcare.



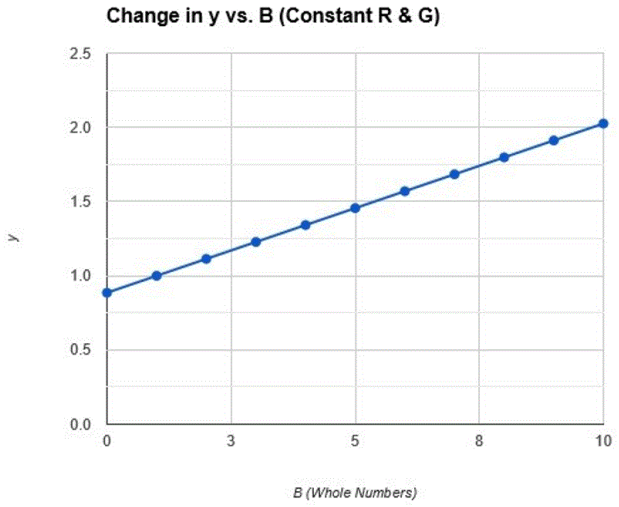
21: 2025/04193. 22: 2025/05/16. 43: 2026/01/23
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JANOKAR, Sagar, SOMWANSHI, Urvesh, SONAWANE, Rupesh, SONADKAR, Abhishek,

SONDE, Anushka, SONI, Abhishek, SONDAWALE, Rounak

54: A CHARACTER RECOGNITION SYSTEM

00: -

The present invention relates to a character recognition system. It is designed to assist visually impaired individuals by detecting and reading documents. It comprises a Raspberry Pi, a camera module, and image processing software that captures document images, extracts text using grayscaling, edge detection, and contour analysis, and converts it into speech via a text-to-speech module supporting multiple languages. This system offers real-time processing, handles complex backgrounds, and enhances accessibility, providing an efficient, portable solution that overcomes the limitations of existing technologies and empowers visually impaired users with independence.



21: 2025/04194. 22: 2025/05/16. 43: 2026/01/23

51: G06F

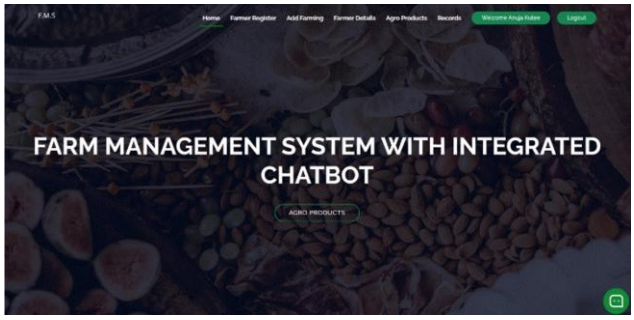
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: BHAWARTHI, Amruta, KUTE, Anuja, KHULLAR, Lav, LAGAD, Digvijay, LAKHOTIYA, Tanisha, LAWALE, Ketan, LAWANDE, Chaitanya

54: A FARMER MANAGEMENT SYSTEM USING INTEGRATED CHATBOT

00: -

The present invention relates to a farmer management system using integrated chatbot. It is designed to enhance farm management efficiency. It integrates a chatbot for real-time assistance and information, enabling farmers to manage profiles, share best practices, sell products online, and purchase tools and seeds directly from sellers. The system facilitates communication between farmers and buyers via email redirection, aiming to improve productivity and profitability. Its user-friendly platform offers a streamlined solution for agricultural management.



21: 2025/04195. 22: 2025/05/16. 43: 2026/01/23

51: G06F

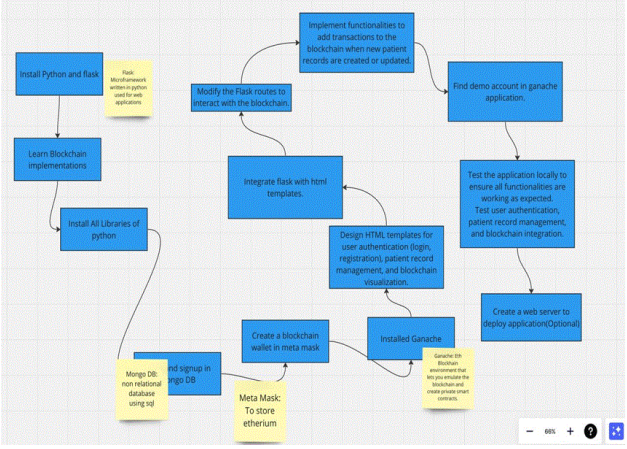
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: JANOKAR, Sagar G., KARANJKAR, Soham M., PAWAR, Soham, KUMBHAR, Snehal, SOLANKE, Rutuja, SOLANKE, Rahul, PARDESHI, Soham

54: A HEALTH RECORD MANAGEMENT USING BLOCKCHAIN

00: -

The present invention relates to a health record management using blockchain. The invention employs a decentralized ledger to secure patient data, combined with smart contracts that manage access permissions and enforce encryption protocols. A web-based user interface provides tailored dashboards for doctors, patients, and administrators, ensuring secure, real-time access and an immutable audit trail. This system improves data security, enhances interoperability, and complies with healthcare regulations while mitigating risks associated with centralized data storage.

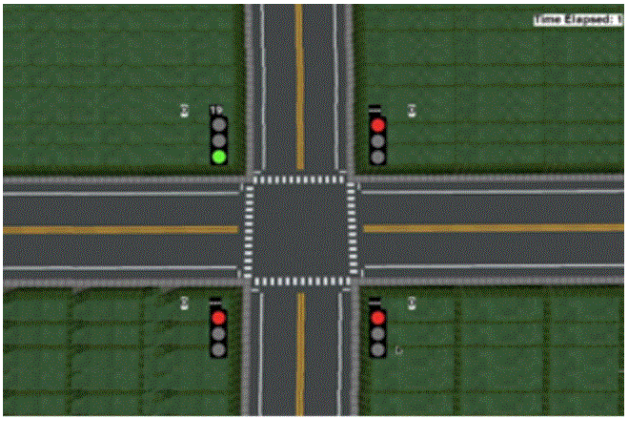


21: 2025/04196. 22: 2025/05/16. 43: 2026/01/23
51: G08G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TELSANG, Supriya S., RANADIVE, Ishan P., RANE, Chinmay D., MALVE, Taneesha V., BAGUL, Manas M., RAKSHIT, Bhawana D., RAJURKAR, Shantanu P., RAMTEKE, Shwet B.

54: A TRAFFIC MANAGEMENT SYSTEM WITH MACHINE LEARNING-BASED SIGNAL OPTIMIZATION

00: -

The present invention relates to a traffic management system with machine learning-based signal optimization. The proposed system utilizing machine learning to optimize traffic signal control and prioritize emergency vehicles. Real-time video from CCTV cameras is analyzed using the YOLOv8 model to detect vehicles and assess traffic density. The system dynamically adjusts signal timings to improve flow and reduce congestion, while expediting emergency vehicle passage through prioritized signal changes. A pygame-based simulation validates its effectiveness. Results show a 25% reduction in wait times and 20% faster emergency responses, enhancing urban traffic efficiency and safety.

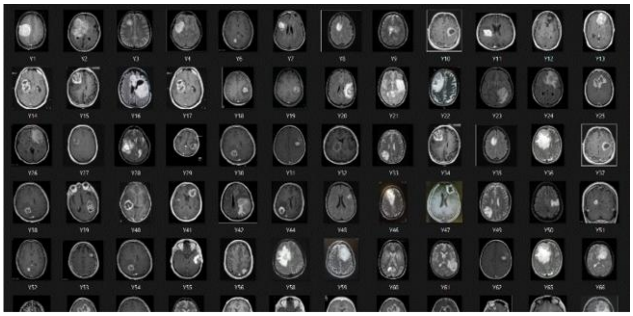


21: 2025/04197. 22: 2025/05/16. 43: 2026/01/23
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SUTAR, Ruturaj, SWAMI, Samarth, YERAWAR, Swara, SWAMI, Kanchan, SUTAR, Supriya, BHAVALKAR, Suyash, WAIKAR, Rahul. A.

54: A BRAIN TUMOR DETECTION SYSTEM

00: -

The present invention relates to a brain tumor detection system. It employs deep convolutional neural networks to detect brain tumors from MRI scans with high accuracy. It features modules for data collection, preprocessing, and analysis, integrated into a Django-based web application. Clinicians can upload scans and receive detailed results, including highlighted tumor regions, facilitating early diagnosis. Validated at 99.74% accuracy, the system reduces diagnostic time and enhances precision, offering a reliable, user-friendly tool for medical professionals.

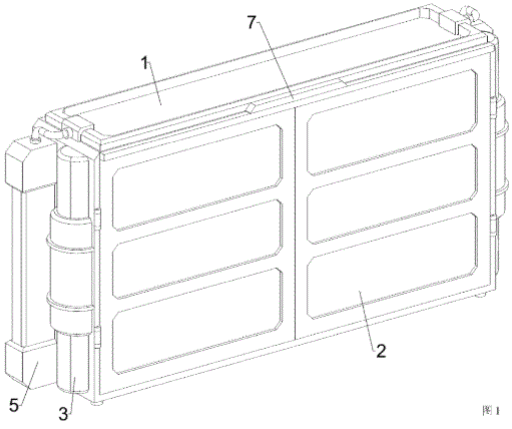


21: 2025/04205. 22: 2025/05/16. 43: 2026/01/29
51: A47B; A61L; B65D
71: Jiangxi Yuanjin Science & Technology Group Co., Ltd.
72: FU RUNHUA
33: CN 31: 2023101851486 32: 2023-03-01

54: INTELLIGENT CULTURAL RELIC SHELF HAVING PROTECTION FUNCTIONALITY

00: -

The present invention relates to the technical field of cultural relic shelves, and in particular to an intelligent cultural relic shelf having protection functionality. The intelligent cultural relic shelf having protection functionality can prevent harmful substances such as microbes and bacteria from damaging cultural relics. The intelligent cultural relic shelf having protection functionality comprises a storage shelf and cabinet doors, the cabinet doors being rotatably connected to the left side and the right side of the front portion of the storage shelf. The intelligent cultural relic shelf also comprises antibacterial mechanisms and a drying mechanism, the antibacterial mechanisms for protecting cultural relics are disposed at the front portions of the left side and the right side of the storage shelf, and the drying mechanism for preventing the cultural relics from being affected by moisture being disposed in the middle in the storage shelf. A cultural relic is placed on a carrier plate, and the cultural relic on the carrier plate is damped using a damping spring. A drying device ensures dryness in the storage shelf, preventing the cultural relic from being affected by moisture. Nitrogen in a gas storage tank enters the storage shelf by means of a connecting pipeline, such that the growth of microorganisms can be inhibited by nitrogen, thereby achieving the purpose of protecting the cultural relic.

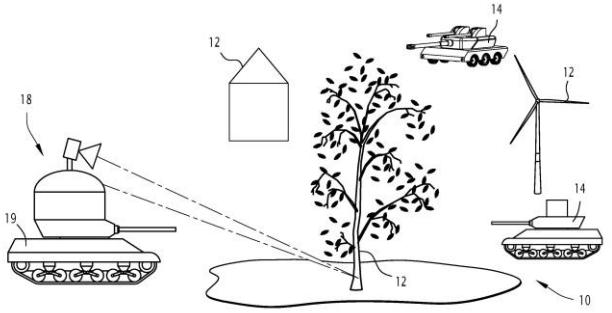


21: 2025/04207. 22: 2025/05/16. 43: 2026/01/29
51: G01C; G01S; G06T
71: THALES
72: LE MEUR, Alain, SIMON, Alain, CALLET, François, DEVAUX, Jean-Clément, JEROT, Pascal, BECHE, Arnaud
33: FR 31: FR2212082 32: 2022-11-21

54: METHOD FOR DETERMINING, USING AN OPTRONIC SYSTEM, POSITIONS AND ORIENTATIONS IN A SCENE, AND ASSOCIATED OPTRONIC SYSTEM AND VEHICLE

00: -

The present invention relates to a method for determining, using an optronic system (18), at least one position and at least one orientation in a scene (10), the scene (10) comprising reference elements (12) of known geographical coordinates, the method comprising an initialization phase that comprises the following steps: - acquiring, using an omnidirectional imager, a panoramic datum in relation to the scene (10), - displaying the panoramic datum on a display element, - collecting reference data for at least three reference elements (12) in the scene (10), and - determining a position and orientation, referred to as close-up position and close-up orientation, of the optronic system (18) on the basis of the reference data stored for the at least three reference elements (12).



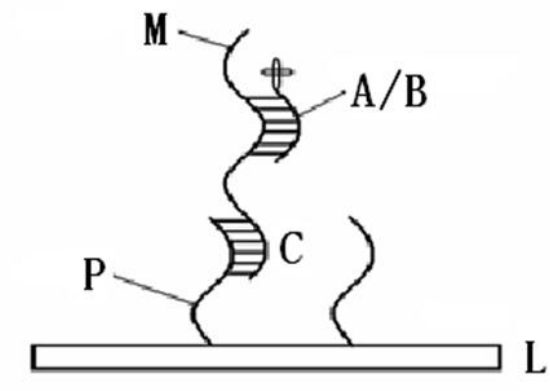
21: 2025/04225. 22: 2025/05/19. 43: 2026/01/29
51: C12Q; G01N
71: XINJIANG ACADEMY OF AGRICULTURAL AND RECLAMATION SCIENCE, NORTHEAST AGRICULTURAL UNIVERSITY
72: YANG, Hua, YU, Qian, WANG, Zhipeng, ZHOU, Huaqian, YANG, Yonglin, ZHANG, Wenzhe, CHEN, Yan, CHENG, Ruiqi

54: POLYMORPHISM DETECTION KIT AND DETECTION METHOD FOR SHEEP BMPR-1B GENE A746G

00: -

The present application relates to gene analysis detection products, and more particularly to a polymorphism detection kit and detection method

suitable for sheep BMPR-1B gene A746G. The polymorphism detection kit for sheep BMPR-1B gene A746G is disclosed, mainly including amplification solutions, at least one gene chip, hybridization buffers I and II, a pre-hybridization solution, Taq enzyme and a hybridization chromogenic reagent. In addition, method steps of using the kit for detection are disclosed: preparing chromosomal DNA of a plurality of sheep for standby; assembling the kit; amplifying by a PCR method; denaturing treatment; pre-hybridizing and hybridizing; and detecting hybridization signals. The kit is highly sensitive, simple to operate and highly accurate, can effectively improve work efficiency, and is economical and practical suitable for detecting polymorphism of sheep BMPR-1B gene A746G. The methods can be implemented on a scale for detection, are simple and practical, and greatly improve work efficiency.

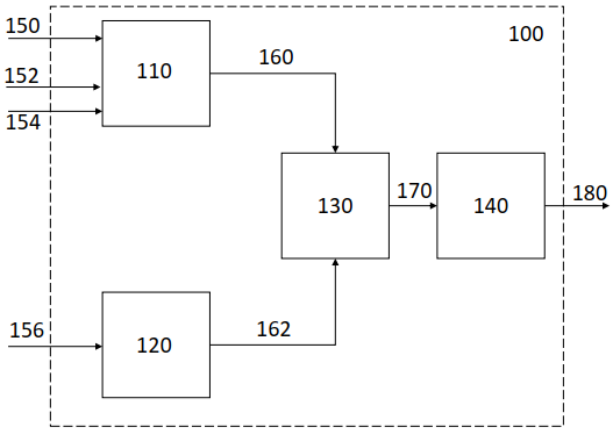


21: 2025/04226. 22: 2025/05/19. 43: 2026/01/29
51: H04L; H04W
71: VODAFONE GROUP SERVICES LIMITED
72: MOHAMED-WAHEED, Mohamed, GABER, Aymen
33: GB 31: 2407619.2 32: 2024-05-29

54: A COMPUTER-IMPLEMENTED METHOD AND A SYSTEM FOR PREDICTING USER THROUGHPUT IN A TELECOMMUNICATIONS NETWORK

00: -

Methods and a system for predicting user throughput in a telecommunications network are provided as well as a method of training a multimodal machine learning model to predict user throughput in a telecommunications network. Training the multimodal machine learning model comprises receiving training images of different areas and receiving numerical training data. The numerical data comprises, for each area: network KPIs relating to telecommunications network(s) at least partially covering the area; base station configuration data associated with at least one base station and associated with the telecommunications network, and a geographical location of a user throughput measurement. A numerical data feature extractor of a numerical data module of the multimodal machine learning model and a user throughput predictor module of the multimodal machine learning model are trained using the set of training images and the set of numerical training data.



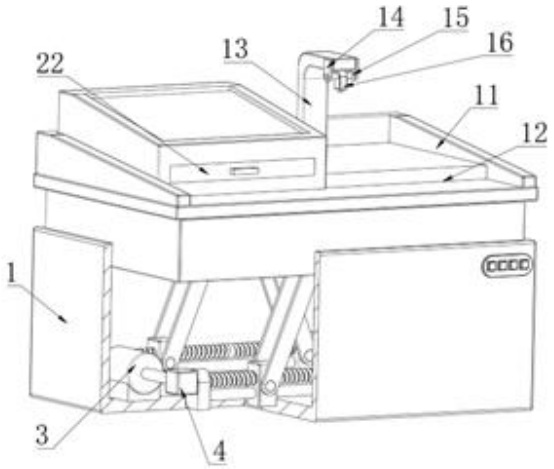
21: 2025/04227. 22: 2025/05/19. 43: 2026/01/29
51: G09B
71: XINYU UNIVERSITY
72: WU, Suting, LI, Qi

54: MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION IN NURSING COURSES

00: -

The present invention belongs to the field of teaching device technology, and particularly relates to a multimedia teaching device for ideological and political education in nursing courses, comprising a device housing and a control panel installed on the front of the device housing, and a teaching device is installed inside the device housing, the teaching device comprising an adjusting unit and an auxiliary unit, the adjusting unit is installed inside the device housing, and the auxiliary unit is installed inside the device housing; This teaching device, by installing auxiliary units, teachers' lesson plans can be reminded through computer housings. Furthermore,

by activating the electric telescopic rod, the second connecting component can be pushed by the electric telescopic rod, allowing the display screen component to flip inside the computer housing. This can adjust the viewing angle of the display screen component, further reminding teachers of teaching content and ensuring teaching quality.



21: 2025/04228. 22: 2025/05/19. 43: 2026/01/29
51: C02F
71: Chongqing Institute of Medicinal Plant Cultivation
72: LEI, Meiyan, TANG, Xingqun, GUO, Yu, FU, Yan, ZHAO, Xiaohong, FENG, Li, LIAO, Weiling, HAN, Liang, XIAO, Bo, WU, Jin

54: CONFIGURATION METHOD OF WATER PURIFICATION PLANTS ASSISTED WITH IMMOBILIZED CHLORELLA VULGARIS

00: -

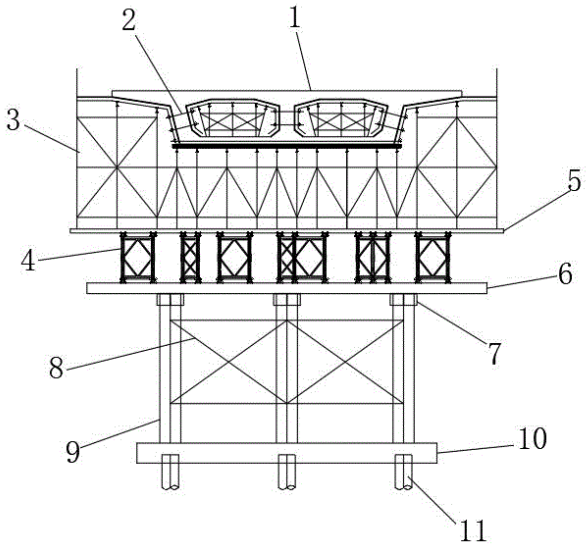
The invention discloses a configuration method of Aquatic Phytoremediation Plants auxiliary with immobilized Chlorella, fully considering the absorption type and absorption amount of each plant and other aspects of the characteristics, maximize the potential of plant repair, realize the maximum benefit of plant repair technology, so that the technology plays an important role in the remediation of polluted water or soil, and makes guidance suggestions for environmental remediation.

21: 2025/04229. 22: 2025/05/19. 43: 2026/01/29
51: E02D
71: China Railway Seventh Group CO., LTD., China Railway Seventh Engineering Bureau Group Guangzhou Engineering CO., LTD.
72: Lu Jia, Junlong Zu, Zhanhu Fu, Hepeng Li, Zhanao Shi, Xu Wu, Wentao Zhi, Miaodi Zhang, Zhiyang Zhang, Kechao Wei, Yuanjian Li, Wenhao Feng, Qiang Wang, Xiaolong Peng
33: CN 31: 202510404072.0 32: 2025-04-01

54: A PLAIN CONCRETE PILE FOUNDATION SUPPORT CAST-IN-PLACE BEAM AND ITS CONSTRUCTION METHOD

00: -

The present invention discloses a plain concrete pile foundation support cast-in-place beam and its construction method, which includes first constructing plain concrete piles and setting up a strip foundation, then constructing a support frame on the strip foundation, setting up a disk buckle scaffold on the support frame, and then setting up the beam formwork and constructing the beam body structure. The present invention, through an overall construction method, It can effectively solve the problem of insufficient bearing capacity of the foundation for cast-in-place bridge construction under deep soft base conditions. Moreover, the construction technology is perfect, and the safety and quality control during the construction process are effective. It can effectively guide the subsequent construction of large-area plain concrete pile support cast-in-place beams. And through the moving mechanism structure, it can be driven to move. When moving. The entire component can be moved as a whole, which makes the movement more efficient and convenient, and can effectively ensure the overall performance, making the subsequent erection and construction more convenient.

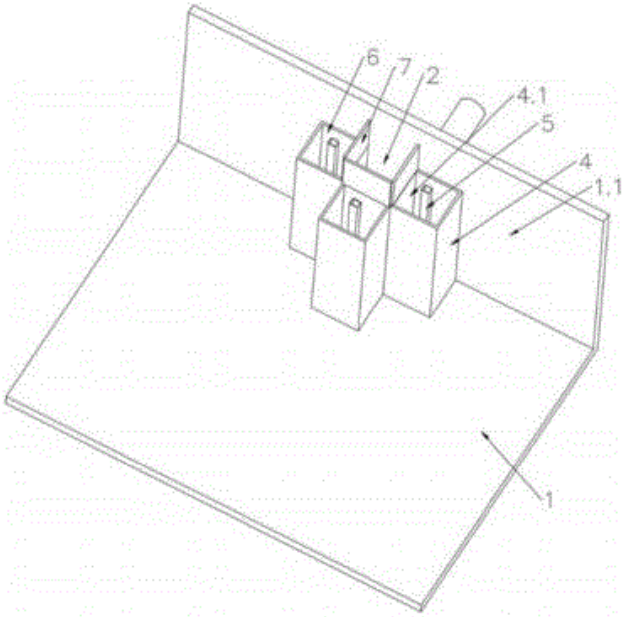


21: 2025/04231. 22: 2025/05/19. 43: 2026/01/29
51: C02F
71: Shanghai Qiangyuan Water Treatment Technology Co., Ltd
72: Shizhao XIE
33: CN 31: 202410724561.X 32: 2024-06-05

54: ZERO-DISCHARGE EQUIPMENT FOR FULL-SCALE TREATMENT OF CIRCULATING WATER VIA MICRO-ELECTROLYSIS IN A CIRCULATING WATER POOL

00: -

An integrated micro-electrolysis water treatment device closely installed in front of the water outlet of the circulating water pool; the water treatment device includes a plurality of micro-electrolysis units; a plurality of micro-electrolysis are sequentially connected and enclose the water outlet of the water pool, communicating with the water outlet of the water pool and the water-using system to form a circulating treatment system. The electrolysis units includes composite electric field formed by a square cathode shell and a polygonal anode column; an upper port of the square cathode shell serves as a water inlet; a side plate of the square cathode shell adjacent to a water outlet channel is an inner side plate, and an upper end of the inner side plate is equipped with a water baffle to ensure that the pool water enters for micro-electrolysis treatment. The integrated device for full-scale treatment of circulating water via micro-electrolysis in a circulating water pool, provided by the present invention has the function of reducing more than 95% of the scaling ions in the circulating water. It solves the problems faced by current bypass-installed micro-electrolysis equipment, chemical treatment methods, reverse osmosis methods, etc., in achieving zero discharge under non-discharge conditions of circulating water. It enables significant water conservation, causes no pollution, meets national standards for circulating water quality indicators, and realizes an ideal that generations have strived for but not achieved.



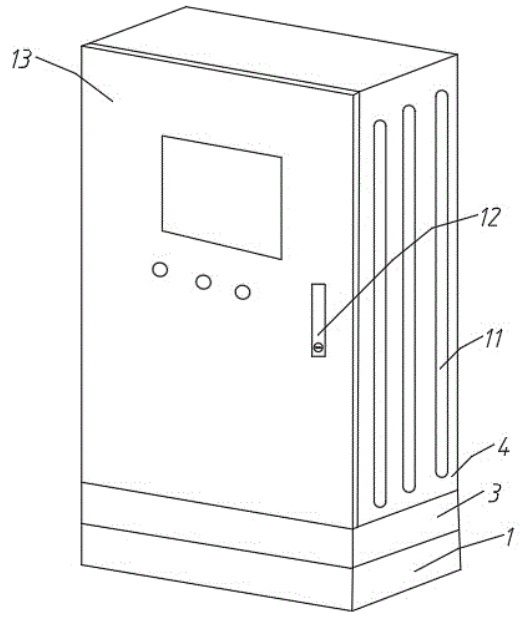
21: 2025/04233. 22: 2025/05/19. 43: 2026/01/29
51: H02B
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, Fujian Yueshan Energy Technology Co., Ltd.
72: NIU Zhehui, PANG Kaige, LOU Tong, DENG Lifeng, DENG Zihan, LEI Zuozhao, ZHONG Zhiguang, PANG Binbin, KONG Youfang, DONG Shanshan

54: POWER CABINET FOR ELECTROMECHANICAL EQUIPMENT IN ELECTROMECHANICAL AND ELECTRICAL ENGINEERING

00: -

The present invention belongs to the technical field of power cabinets, and particularly relates to a power cabinet for electromechanical equipment in electromechanical and electrical engineering, including a cabinet body, one side of the cabinet body being provided with a cabinet door, the cabinet door being provided with a lock body, opposite side walls of the cabinet body each being provided with multiple vertical heat dissipation holes, the vertical heat dissipation holes being provided with filter screens, opposite sides of the cabinet body each being provided with a reciprocating mechanism, the reciprocating mechanism being provided with a cleaning assembly for removing dust from the filter screens, a bottom of the cabinet body being provided with a driving mechanism, the driving mechanism being in transmission cooperation with the reciprocating mechanisms. The present

invention reduces the maintenance cost of the power cabinet while improving its safety during use.

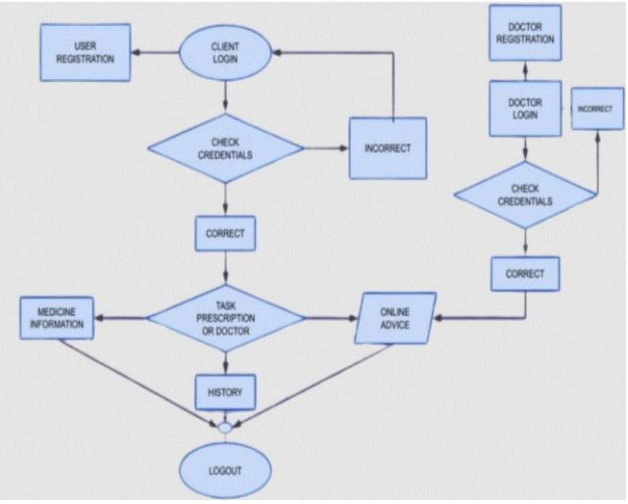


21: 2025/04238. 22: 2025/05/19. 43: 2026/01/23
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MAHAJAN, Chandrashekhar, DUGAD, Pranit, DUBEWAR, Soumya, DOMBLE, Ayush, DONGARE, Aryan, DONGARE, Sudharshana, DOSHI, Harsh

54: A COMPREHENSIVE DELIVERY SYSTEM FOR MEDICINES AND HEALTHCARE DEVICES

00: -

The present invention is related to a comprehensive delivery system for medicines and healthcare devices. The invention is a comprehensive medicine delivery system that aims to transform healthcare by leveraging technology. The system allows users to order a wide range of medical products, including prescription drugs, over-the-counter medicines, healthcare devices, and more, with fast and reliable delivery. Key features of the invention include: secure ordering of prescription medicines with doctor verification to prevent misuse; extensive product catalog covering OTC drugs, Ayurvedic/herbal items, medical equipment, and more; convenient home delivery within 24-48 hours in select cities; ability to maintain electronic medical records and order history; discounts and offers on medicines and healthcare products; seamless integration with diagnostic services for at-home sample collection and test reports. The system is designed to be user-friendly, cost-effective, and accessible for the elderly. It also incorporates measures to reduce the exploitation of pharmaceutical drugs. With its robust architecture and innovative features, the invention is poised to revolutionize the online medicine delivery landscape in India.

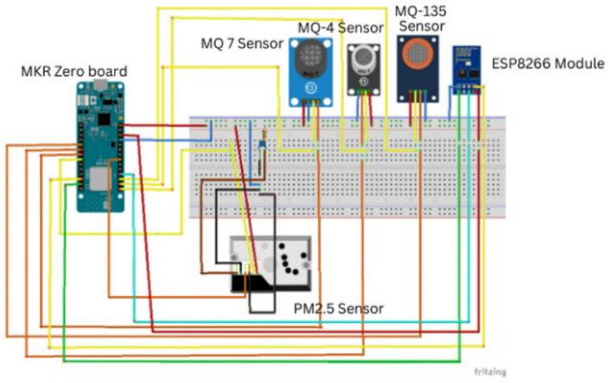


21: 2025/04240. 22: 2025/05/19. 43: 2026/01/20
51: G08B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SAWANT, Sachin S., JIRGALE, Vikram, PAUNIKAR, Jay, DEO, Janhvi, JATKAR, Mithil, JAWALE, Sarvesh, GAUTAM, Jay

54: AN IOT-ENABLED WASTE FIRE DETECTION AND POLLUTION MAPPING SYSTEM

00: -

The present invention relates to an IoT-enabled waste fire detection and pollution mapping system. The system includes sensors for monitoring CO, CO2, CH4, and PM2.5, integrated with an Arduino MKR Zero board and an ESP8266 IoT module. Data is collected, transmitted to a cloud server, and analyzed to predict pollution levels. The system further utilizes ARCGIS software to map the geographical distribution of pollutants, offering a comprehensive solution for environmental monitoring and pollution control.

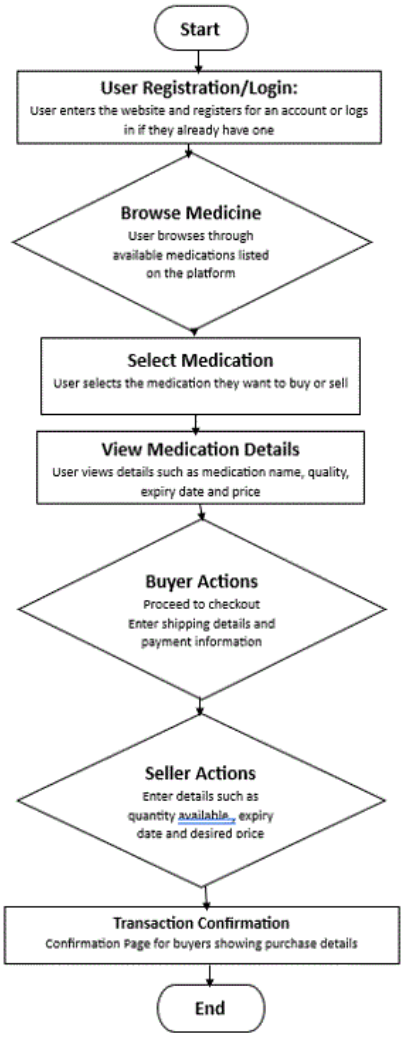


21: 2025/04241. 22: 2025/05/19. 43: 2026/01/20
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NANDESHWAR, Vikas, SHENDE, Parag, SHELKE, Shreya, SHENDE, Manas, SHELKE, Vedant, SHELKE, Rohan, SHELKE, Siddhant

54: A WEB-BASED SYSTEM FOR BUYING AND SELLING UNUSED MEDICINES

00: -

The present invention relates to a web-based system for buying and selling unused medicines. It reduces medication waste by enabling the buying and selling of unused, unexpired medications. Users list surplus medications with photos, descriptions, and expiration dates, while buyers search and purchase them affordably. Featuring secure transactions, regulatory compliance, and an intuitive interface, MediExchange promotes sustainable healthcare by minimizing waste, lowering costs, and improving access to essential medicines for underserved communities.



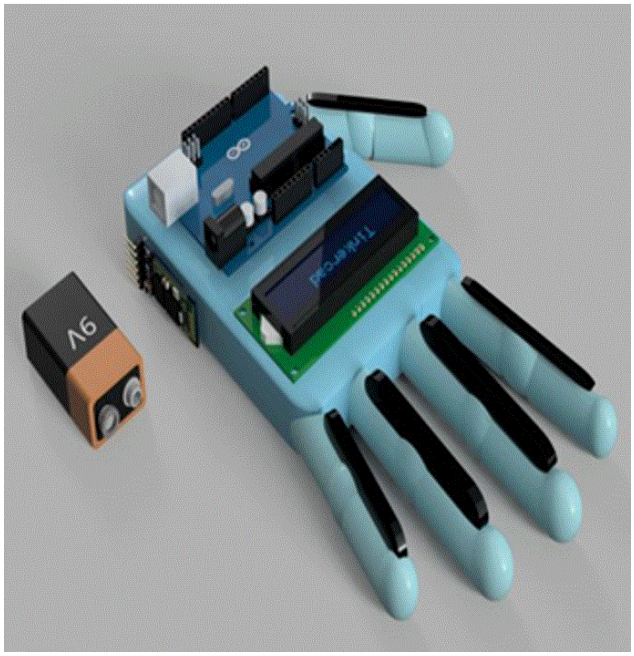
21: 2025/04242. 22: 2025/05/19. 43: 2026/01/20
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SAWANT, Sachin S., KALE, Ninad S., KALBHAIRAV, Chaitanya A., KALE, Ishan K., KALE, Arya A., KALSHETTI, Aishwarya R., KAMBLE, Ayushi M.

54: A GESTURE-BASED COMMUNICATION GLOVE FOR HEALTHCARE SETTINGS

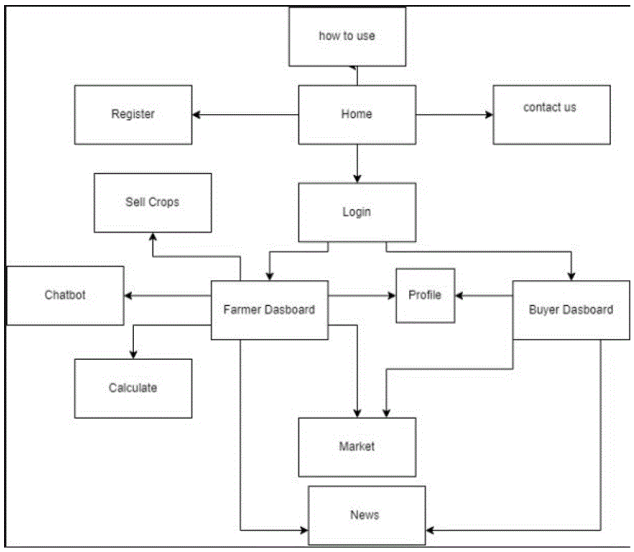
00: -

The present invention relates to a gesture-based communication glove for healthcare settings. The proposed device unable to speak. Flex sensors on each finger detect movements, interpreted by an Arduino Uno into messages like "I want water." These are shown on a 16x2 LCD and sent via Bluetooth to connect devices, ensuring swift responses from providers or relatives. Customizable

for individual needs, the Sign Glove enhances patient autonomy, reduces response times, and integrates affordably into healthcare environments, improving care delivery.

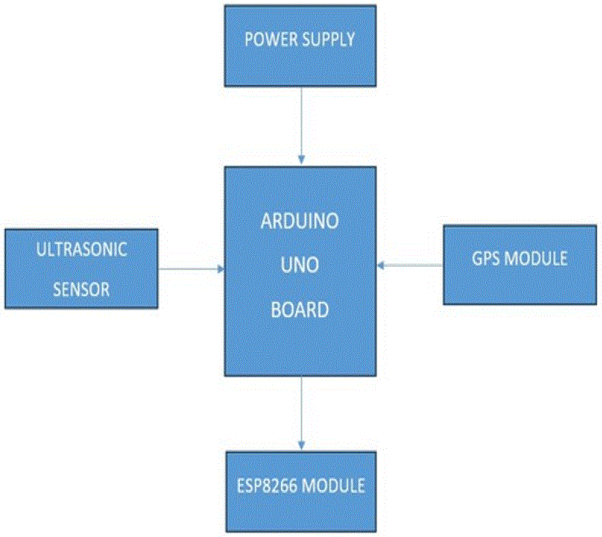


21: 2025/04243. 22: 2025/05/19. 43: 2026/01/20
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KHEDEKAR, Lokesh, DGAMA, Nevan, DANGAT, Sanskar, DANE, Rohit, DEORE, Prem, DAGADE, Radhika, DAHATONDE, Vaibhav
54: AN INTEGRATED AGRICULTURAL MANAGEMENT AND MARKETPLACE SYSTEM FOR FARMERS
00: -
the present invention relates to an integrated agricultural management and marketplace system for farmers. The system features a calculator module for optimizing seeds, fertilizers, and pesticides; a marketplace module with a bidding system for direct farmer-buyer transactions; a chatbot for query assistance; and a news module for real-time agricultural updates. Designed for ease of use and accessibility, it reduces input costs, boosts yields, enhances market access, and empowers farmers with knowledge. Tailored for India's agricultural context, the platform integrates advanced ICT to address excessive input use, marketing inefficiencies, and information gaps, surpassing existing solutions in functionality and user relevance.



21: 2025/04244. 22: 2025/05/19. 43: 2026/01/20
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SAWANT, Sachin S., KARNE, Kaustubh, KASTURI, Saanvi, MEHTA, Kartik, KASETWAR, Ameya, KASTURE, Atharav, KASURDE, Srushti, DESHPANDE, Rupali
54: AN ALGORITHM BASED REAL-TIME POTHOLE DETECTION SYSTEM FOR ROAD SAFETY
00: -
The present invention is related to an algorithm based real-time pothole detection system for road safety. Potholes are a pervasive road hazard, often causing accidents and posing risks to drivers. Early identification and timely repair are critical for accident prevention. However, existing manual methods for detecting potholes are labor-intensive and inefficient. To address this challenge, an innovative approach is invented utilizing the YOLOv9 algorithm, an advanced real-time object detection system. The YOLOv9 algorithm leverages convolutional neural networks (CNNs) to detect and classify potholes in images. Unlike traditional methods, YOLOv9 predicts object classes and bounding boxes simultaneously, enhancing both responsiveness and accuracy. By striking a balance between model complexity and performance, YOLOv9 offers significant reductions in parameters and computations while maintaining high accuracy. The comprehensive dataset comprises over 4,000 pothole images from various sources, including datasets by IIT Goa, Roboflow, research papers,

YouTube videos, and internet-sourced images. Following careful annotation revisions, the consolidated dataset includes 3100 training images (77.25%), 840 validation images (21%), and 70 test images (1.75%). This novel system aims to provide real-time pothole detection, highlighting visual cues for safer road conditions.



21: 2025/04245. 22: 2025/05/19. 43: 2026/01/20
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KHUBCHANDANI, Jyoti, KOTWAL, Imran A., HOL, Sanket, HIWRALE, Aditya, HOLKAR, Amit, HUMBE, Rohan, HUMBE, Vedant V.

54: A BLOCKCHAIN BASED SYSTEM FOR CROWDFUNDING-INVESTMENT ECOSYSTEM

00: -

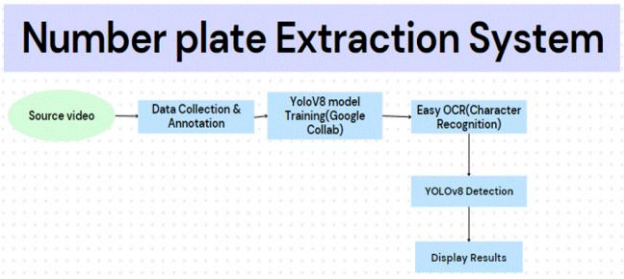
The present invention is related to a blockchain based system for crowdfunding-investment ecosystem. Crowdfunding platforms have emerged as transformative ecosystems, facilitating the convergence of entrepreneurial visionaries, creative innovators, and socially-conscious investors in a dynamic marketplace of ideas and capital. Within this landscape, the interplay between crowdfunding applications and investor engagement represents a pivotal nexus, driving innovation, economic growth, and societal impact. This invention explores the nuanced dynamics of crowdfunding applications from the perspective of investor participation, offering insights into the mechanisms, motivations, and outcomes that shape the crowdfunding-investment ecosystem. Through a comprehensive review of literature and empirical analysis of crowdfunding data, the strategies employed by project creators to attract investor interest and the factors influencing investor decision-making processes. By examining successful case studies and emerging trends, actionable insights is provided for entrepreneurs seeking investment and investors seeking opportunities for impact-driven investments. This invention serves as a foundation resource for stakeholders interested in leveraging crowdfunding applications to catalyze innovation, entrepreneurship, and social change, paving the way towards a more inclusive, resilient, and prosperous future.

21: 2025/04246. 22: 2025/05/19. 43: 2026/01/20
51: G08C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BARHATE, Minal, BARLINGAY, Anvita, BARDE, Anup, BAGAL, Nisha, BAGUL, Deven, BAMANE, Shraddha, BARHATE, Diya

54: A HELMET AND NUMBER PLATE DETECTION SYSTEM

00: -

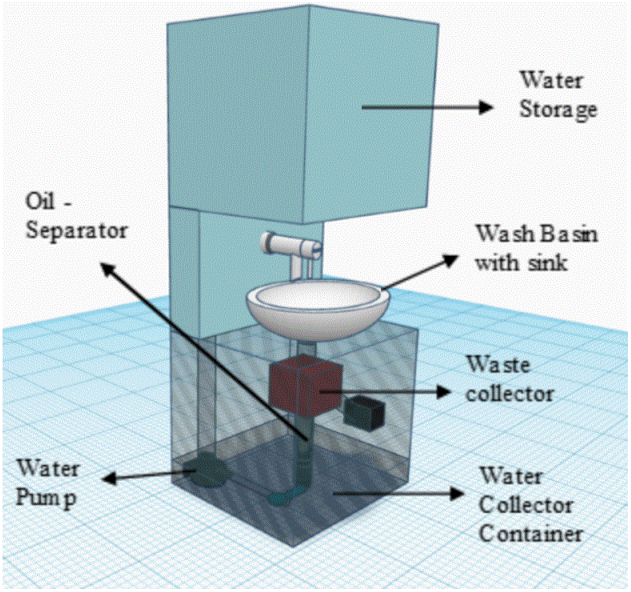
The present invention relates to a helmet and number plate detection system. The proposed system enhances road safety and traffic enforcement by automating the detection of helmet usage among motorcyclists and recognition of vehicle number plates. Utilizing YOLOv8 for real-time object detection and Easy OCR for character recognition, the system processes traffic footage to identify violations such as riders without helmets or vehicles with unreadable plates. It offers high accuracy, rapid processing, and integration with existing infrastructure, making it a scalable, cost-effective solution for traffic management and regulatory compliance.



21: 2025/04247. 22: 2025/05/19. 43: 2026/01/20

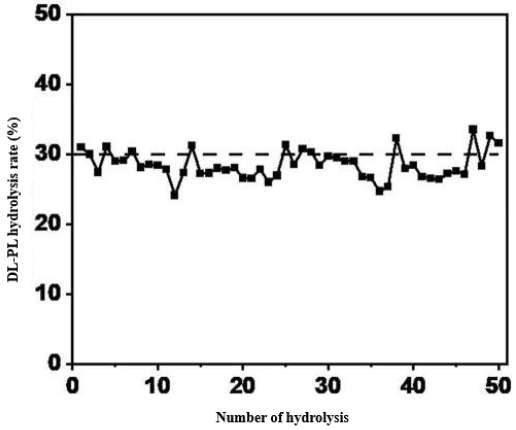
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PATIL, Om, WANKHADE, Himanshu, SHINDE, Sahil, KODMELWAR, Manohar, SUKTE, Chudaman, WANKHADE, Shalini, BHANDARI, Mahesh
54: AN AI-DRIVEN ADAPTIVE LEARNING SYSTEM FOR ENHANCED STUDENT ENGAGEMENT AND PROGRESSION
00: -
The present invention is related to an AI-driven adaptive learning system for enhanced student engagement and progression. The system is an adaptive online learning platform that tailor's educational content to individual user needs, fostering efficient, engaging, and personalized learning experiences. Using advanced artificial intelligence, the system assesses each student's knowledge level—whether beginner, intermediate, or advanced—and curates a learning path that prioritizes areas for improvement and supports learning goals. The platform offers accessibility across multiple devices, providing seamless learning from any location. Real-time feedback guides progress, highlights strengths and weaknesses, and recommends personalized lessons or exercises. Designed for scalability, the system adapts to new content areas, making it suitable for lifelong learners, professionals, and students pursuing skill growth. This innovative approach addresses the growing demand for flexible, customized educational solutions, facilitating better engagement, comprehension, and retention in diverse learning environments.

21: 2025/04248. 22: 2025/05/19. 43: 2026/01/20
51: C02F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SAWANT, Sachin S., KAKADE, Raj, KAKAD, Sahil, KADAM, Pushkar, KADU, Sumiran, KADU, Anish, KALASKAR, Prathmesh
54: A WATER RECYCLING SYSTEM FOR HANDWASHING APPLICATIONS
00: -
The present invention relates to a water recycling system for handwashing applications. It recycles greywater to conserve water in residential and commercial settings. It features a multi-stage filtration process with a waste collector, 5-micron oil separator, and carbon filter, complemented by Mediclor disinfection. IoT sensors and an Arduino microcontroller automate water level monitoring and system operation. Capable of recycling up to 80% of handwashing water, the WRS is cost-effective, easy to maintain, and scalable. It reduces freshwater use and promotes sustainability by integrating affordable materials and efficient technology into a user-friendly design.

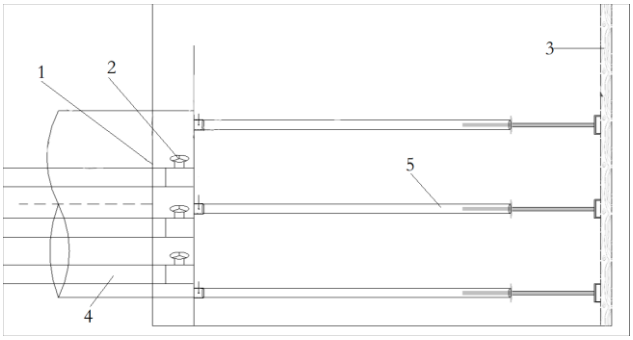


21: 2025/04250. 22: 2025/05/19. 43: 2026/01/29
51: C12N
71: HEFEI UNIVERSITY OF TECHNOLOGY
72: WANG, Huiqing, YUAN, Jiali, TAN, Zhe, WANG, Huan
54: IMMOBILIZED ENZYME, PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
The present invention provides an immobilized enzyme, a preparation method therefor and use thereof, and belongs to the technical field of immobilized enzymes. The method for preparing the immobilized enzyme includes the following steps: (1) dispersing chitin in a mixed solution containing potassium hydroxide, urea and water to form a chitin solution; (2) adding the chitin solution into a mixed solution containing isooctane and Tween 80 to produce purified chitin microspheres; (3) immersing the pured chitin microspheres in a Tris-HCl buffer, followed by the addition of VB5 lactonase for oscillatory adsorption, adding glutaraldehyde solution for cross-linking, immobilizing in an ice water bath, filtering and washing to obtain the

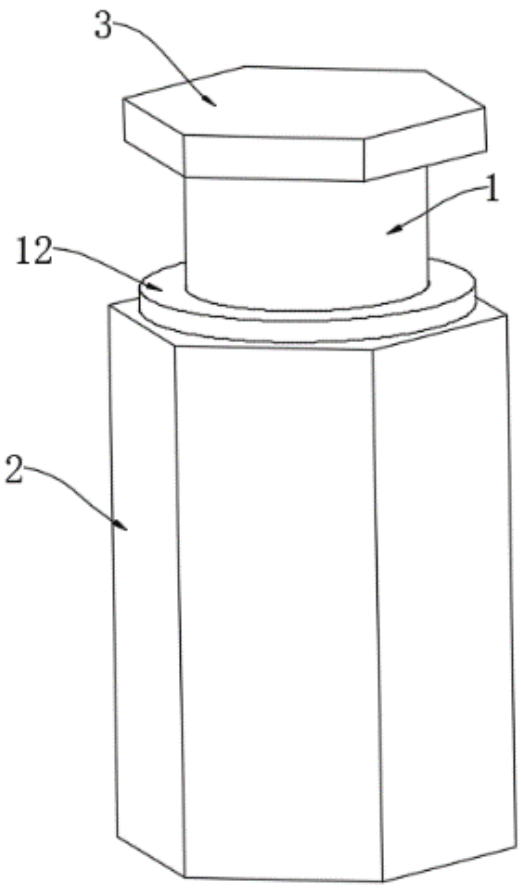
immobilized enzyme. The method for hydrolyzing D-(-)-Pantolactone using the immobilized enzyme prepared by the present invention demonstrates excellent hydrolysis effect and has the advantages of high hydrolysis efficiency and good circulation stability.



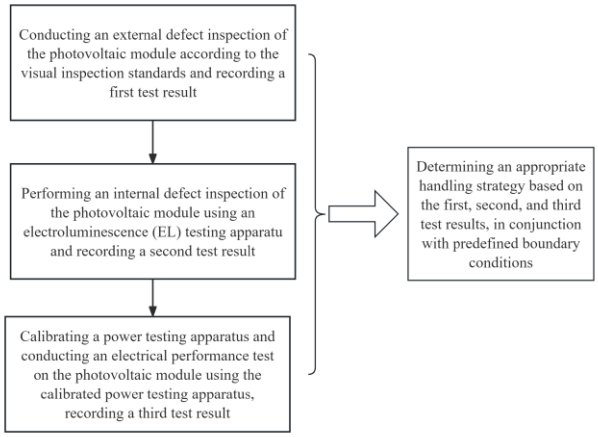
21: 2025/04251. 22: 2025/05/19. 43: 2026/01/29
51: B09B
71: SHANTOU POLYTECHNIC
72: XIE, Jiamin, LIU, Hanqing, ZHUANG, Yan, CHEN,Yan, GE, Zijie
54: LANDFILL COVER LAYER CONSTRUCTED FROM CONSTRUCTION WASTE AND APLLICATION THEREOF
00: -
The present invention discloses a landfill cover layer constructed from construction waste and an application thereof and belongs to the technical field of environmental geotechnical engineering. The landfill cover layer constructed from construction waste is laid on top of the landfill body to be landfilled, or if a gas collection layer is provided on the landfill body, the landfill cover structure is laid on top of the gas collection layer, including in order from bottom to top: a crushed and screened construction waste coarse-grained soil layer; a compacted silt layer; a compacted biochar layer and a mineralized waste-modified silt laye. The landfill cover layer according to the present invention utilizes the capillary barrier principle, exhibits enhanced impermeability, and effectively reduces infiltration of rainwater and external water into the waste mass. Simultaneously, the cover layer is capable of conserving sand and gravel resources, effectively treating construction waste, and utilizing mineralized waste to achieve the recycling of solid waste. Additionally, by placing the oxidation layer on top and incorporating hydrophobic biochar, the oxidation efficiency of methane-oxidizing bacteria is significantly enhanced, thereby effectively reducing methane emissions in an economically viable manner.



21: 2025/04252. 22: 2025/05/19. 43: 2026/01/29
51: F16L
71: CHINA RAILWAY NO.5 ENGINEERING GROUP CO., LTD., HUNAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, HUAQIAO UNIVERSITY, HUNAN CITY UNIVERSITY
72: LI, Yongyi, ZHU, Dongping, ZHANG, Chao, ZHOU, Hao, YU, Jin, XU, Zan, LUO, Wuzhuang, OU, Ke, YAN, Zhenwei, SHI, Kun
54: SPLIT EMBEDED SLEEVE FOR SHIELD TUNNEL SEGMENT
00: -
Provided is a split embedded sleeve for a shield tunnel segment. The split embedded sleeve includes a sleeve main body and a sheath, where the sleeve main body is located inside the sheath. A top end of the sleeve main body is provided with a positioning block, a bottom end of the sleeve main body is provided with a mounting hole, an inner wall of the mounting hole is provided with an internal sleeve thread, and an outer surface of the sleeve main body is provided with an external sleeve thread. An inner wall of the sheath is provided with an internal sheath thread, a bottom inside the sheath is provided with a hollow cylindrical hole with stop, a top end of the sheath is provided with an oil injection hole, and an inner wall of the oil injection hole is connected to an oil injection cavity.



21: 2025/04253. 22: 2025/05/19. 43: 2026/01/29
51: H02S
71: INNER MONGOLIA UNIVERSITY OF TECHNOLOGY
72: LIU, Yuhang
33: CN 31: 202510301983.0 32: 2025-03-14
54: METHOD AND SYSTEM FOR TESTING SOLAR PHOTOVOLTAIC MODULE
00: -
A method and a system for testing a solar photovoltaic module are disclosed by the present invention, which belongs to the field of photovoltaic technology, including the following steps: conducting an external defect inspection of the photovoltaic module according to the visual inspection standards and recording the first test result; performing an internal defect inspection of the photovoltaic module using an electroluminescence (EL) testing apparatu and recording the second test result; calibrating a power testing apparatus and conducting an electrical performance test on the photovoltaic module using the calibrated power testing apparatus, recording the third test result; and determining an appropriate handling strategy based on the first, second, and third test results, in conjunction with predefined boundary conditions. According to the present invention, quality defects of photovoltaic modules may be detected quickly and accurately, corresponding processing strategies may be generated based on the test results, the reliable operation of the power station may be ensured, and unnecessary losses can be reduced.



21: 2025/04271. 22: 2025/05/19. 43: 2026/02/02
51: G21C
71: INTERCONTROLE
72: ARTILLAN, Eric, GARZINO, Geoffrey
33: FR 31: FR2212418 32: 2022-11-28
54: DEVICE FOR INSPECTING A NUCLEAR REACTOR VESSEL
00: -
Disclosed is an inspection device comprising a support unit (12) and an inspection tool (14) mounted on said support unit (12), wherein the inspection tool (14) has a carriage (16) and an inspection head (18), the carriage (16) being mounted on the support unit (12) such as to be mobile in translation along a horizontal axis of translation (C), and the inspection head (18) being configured for insertion into the connecting pipe (8) and carrying one or more probes (38) for performing measurements at the connecting pipe (8), wherein the translation of the carriage (16) permits insertion of the inspection head (18) into the connecting pipe (8). The inspection head (18) is mounted on the carriage (16) via a positioning tool (20) having at least two degrees of freedom, including a translation

along a vertical positioning direction (DZ) and a rotation about a vertical positioning axis (Z).

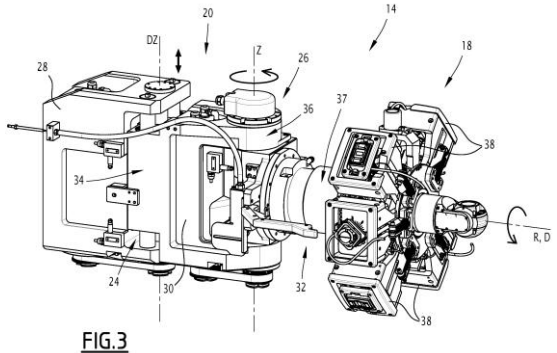


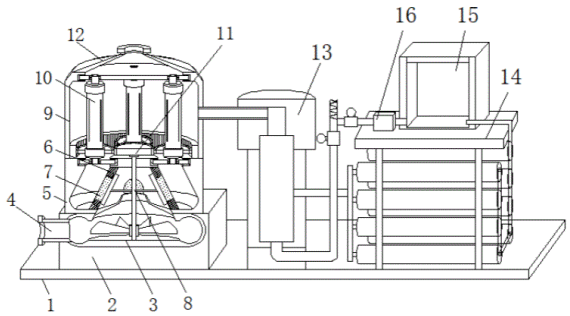
FIG.3

21: 2025/04279. 22: 2025/05/20. 43: 2026/02/02
51: C02F
71: Tianjin Academy of Agricultural Sciences, Tianjin Yapai Lvfei Biotechnology Development Co., Ltd.
72: Hui XIAO, Xianbiao GAO, Di WU, Yan SHI, Yuchen DONG

54: SALINE WATER ION SELECTIVE DESALINATION DEVICE

00: -

The invention discloses a saline water ion selective desalination device, belonging to the technical field of water purification, comprising a bottom plate, a support seat being provided at one end of the top of the bottom plate, a microfiltration box being installed on the top of the support seat, and a volute being provided at the bottom of the microfiltration box. The invention uses a purification device composed of a microfiltration membrane inside the microfiltration box, a hollow fiber ultrafiltration membrane inside the ultrafiltration box, and a nanofiltration device and a reverse osmosis device to give full play to their respective advantages, strengthen the removal of suspended matter, colloids, and inorganic salts in surface water and shallow underground salt water, and ensure high-quality water supply. In addition, during the irrigation process, the wastewater discharge pipe of the nanofiltration device can be mixed with the water in the reverse osmosis water production tank to perform irrigation operations, while ensuring the quality of irrigation water and improving the utilization rate of water resources, as much as possible of nutrients such as calcium and magnesium in the water that are beneficial to crop growth are retained, thereby improving the functionality of the device.

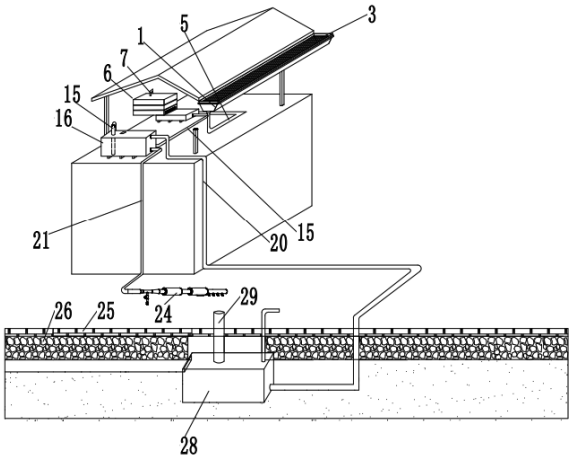


21: 2025/04281. 22: 2025/05/20. 43: 2026/02/02
51: E03F; E04D; A01G
71: TIANJIN COLLEGE, UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING
72: SUN, Jiaqiu, XU, Zhaohe, GU, Xiaoshu, GUO, Jia, SHAO, Li, LI, Min, SHI, Xiaojuan

54: RESIDENTIAL ENERGY-SAVING SYSTEM WITH RAINWATER HARVESTING AND UTILIZATION FOR RURAL AREAS, AND CONTROL METHOD THEREOF

00: -

The present disclosure provides an energy-saving residential system for rainwater harvesting and integrated utilization in rural areas, and the system includes a roof rainwater collection mechanism, a filtration mechanism, a roof water storage mechanism, an integrated water-fertilizer irrigation mechanism, and a courtyard rainwater collection mechanism, wherein the roof rainwater collection mechanism includes a U-shaped water collection channel, and a bottom of the U-shaped water collection channel is provided with a siphon rainwater hopper, and a bottom of the siphon rainwater hopper is provided with a drainage pipe connected to the filtration mechanism. Advantages of the present disclosure: efficient collection and purification: 1.1 Optimized Collection Design: by incorporating a U-shaped water collection channel, the system increases the rainwater catchment area, significantly improving collection efficiency and ensuring more effective utilization of rainfall. 1.2 Multi-Stage Purification Technology: the system employs an anti-leaf screen and a filtration tank to perform multi-stage filtration and purification, effectively removing suspended solids, impurities, and organic matter from the rainwater. This enhances water quality, allowing the collected rainwater to be directly used for various non-potable purposes.

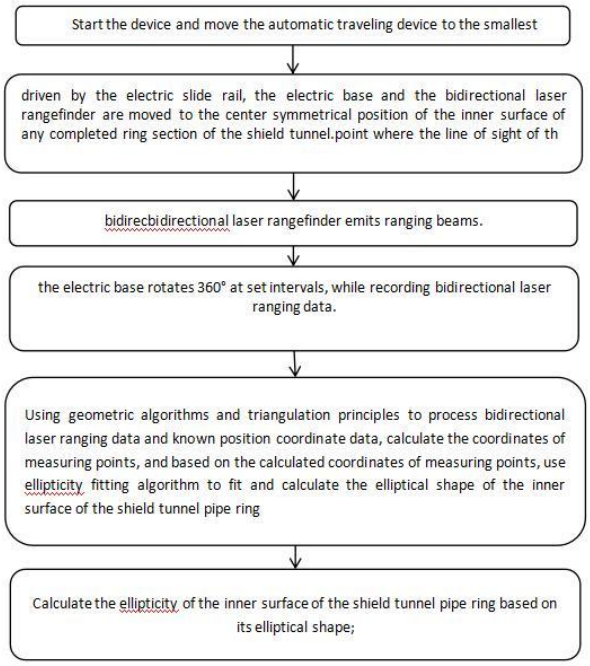


21: 2025/04283. 22: 2025/05/20. 43: 2026/02/02
51: G01B
71: CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO., LTD., THE 2ND ENGINEERING CO., LTD. OF CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP
72: WU Yafei, ZHOU Guannan, XIAO Feizhi, JIN Jianmin, DING Zhiheng, ZHANG Shenglong, LI Junlin, FANG Weitai, AN Weihui
33: CN 31: 202411871641.4 32: 2024-12-18

54: A LASER-BASED METHOD AND DEVICE FOR DETECTING THE ELLIPTICITY OF SHIELD TUNNEL

00: -

The invention belongs to the field of quality inspection technology for shield tunnel construc-tion. The present invention provides a method and device for detecting the ellipticity of shield tun-nel based on laser ranging, including: starting the automatic walking device to move to the position where the laser rangefinder has the minimum line of sight obstruction; accurately controlling the electric sliding rail to move the electric base and the bidirectional laser rangefinder to the center po-sition of the inner surface of the assembled pipe ring in the tunnel; the bidirectional laser range-finder emits a ranging beam; the electric base rotates at intervals and records the ranging data; using geometric algorithms and triangulation principles, combined with ranging data and known coordi-nate data, fitting calculation is performed on the ellipticity of the shield tunnel pipe ring, and then the ellipticity of the inner surface of the shield tunnel pipe ring is obtained; the calculation result is transmitted in real time to the monitoring center by the wireless communication module for con-venient instant analysis. The present invention provides a new and efficient solution for detecting the ellipticity of the pipe ring during the construction of shield tunnel, significantly improving the efficiency and accuracy of detection.

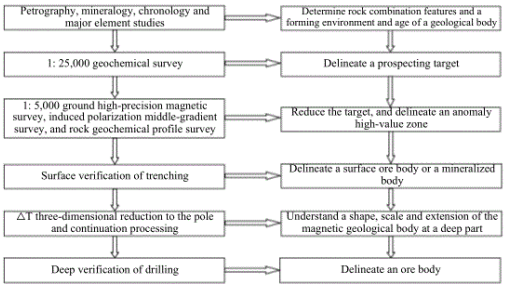


21: 2025/04308. 22: 2025/05/21. 43: 2026/01/20
51: G01V
71: China University of Geosciences (Wuhan), The First Geological Exploration Institute of Qinghai Province
72: WANG, Bin, JIANG, Shaoyong, XIE, Hailin, LIU, Xiufeng, LI, Yulu, CHEN, Sulong, REN, Wenqi, LI, Peigeng, QI, Dong, WANG, Wei, LI, Peng, WANG, Lei, YUAN, Feng, LI, Shaonan, LI, Yulian, XU, Hanbin

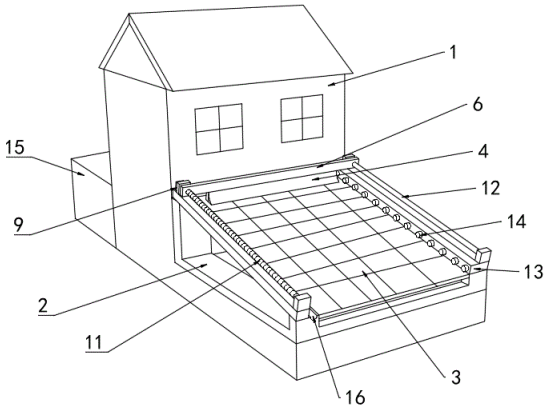
54: EXPLORATION METHOD FOR STRATIFORM CHROMITE IN PLATEAU SECTION

00: -

The present invention belongs to the technical field of geological sciences, and particularly relates to an exploration method for stratiform chromite in a plateau section. The present invention provides the exploration method for stratiform chromite in a plateau section. The present invention features rapid identification of a ore-bearing geological body of the stratiform chromite, provides a basis for trenching and drilling deployment, and can effectively improve exploration efficiency and shorten an exploration period.



21: 2025/04309. 22: 2025/05/21. 43: 2026/01/20
51: E04H
71: Anhui Water Conservancy Technical College
72: DING Lulu, ZHU Bingqing, FANG Huanhuan, ZHU Baosheng, CAO Kangle, YANG Hao, ZHENG Wei, SHI Guangnan
54: GREEN AND ENVIRONMENTALLY FRIENDLY PHOTOVOLTAIC BUILDING
00: -
The present invention relates to the field of photovoltaic building technology and discloses a green and environmentally friendly photovoltaic building, comprising: a house, on which a support frame is fixedly installed. The support frame is fixedly equipped with photovoltaic panels. A cleaning assembly is installed on the support frame and can slide along the photovoltaic panels under the drive of a driving assembly to clean the photovoltaic panels. The driving assembly is installed on the support frame. A spraying assembly is installed on the support frame and corresponds to the surface of the photovoltaic panels, enabling it to spray-clean the photovoltaic panels. In this device, cleaning assembly and spraying assembly are installed on the periphery of the photovoltaic panel. The spraying assembly can spray clean the surface of the photovoltaic panel, and the cleaning assembly slides along the surface of the photovoltaic panel under the drive of the driving assembly, which can thoroughly clean the surface of the photovoltaic panel.



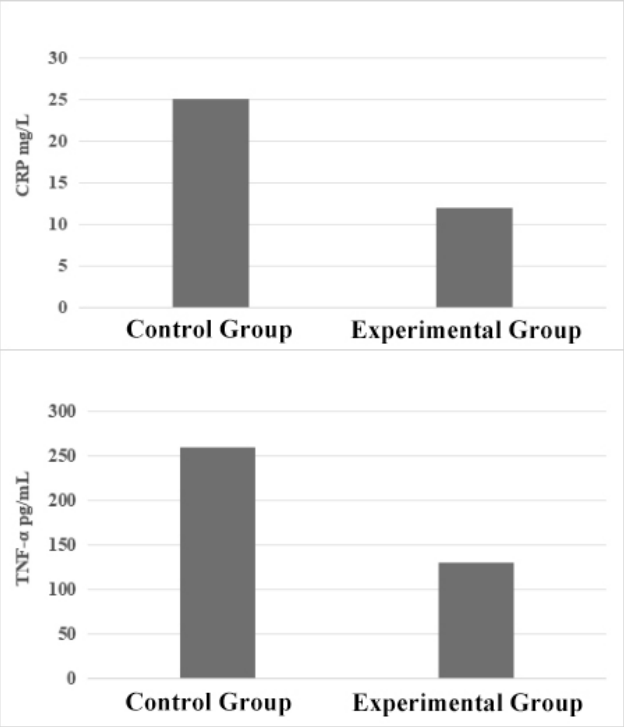
21: 2025/04310. 22: 2025/05/21. 43: 2026/01/20
51: B09C
71: BGRIMM Technology Group, Solid Waste and Chemicals Management Center, MEE
72: Yang Yueqing, Wang Qiong, Wang Yujing, Huang Jiaxin, Lin Xingjie, Miao Yu, Yang Xiaosong, Wu Liangliang, Pan Hanlin, Wu Xinyu, Gong Xuegang, Li Hao, Sun Wei, Wang Fang, Zhang Hua, Wang Jia
33: CN 31: 2025103878567 32: 2025-03-31
54: A MICROBIAL AGENT FOR TREATING HEAVY METALS IN SOIL AND ITS APPLICATIONS
00: -
The present invention discloses a microbial agent for treating heavy metals in soil and its application, belonging to the field of microbial technology. The microbial agent consists of nitrogen-fixing Pseudomonas, boron-accumulating bacteria, and flocculent Bacillus in a ratio of viable bacterial numbers of (110): (15): (1~5). The composite microbial solution achieves a removal rate of 97.1% for lead, 83.5% for arsenic, and 85% for copper. The composite microbial agent provided by the invention can be used for the remediation of heavy metal pollution. It also possesses three plant growth-promoting characteristics: phosphorus solubilization, indoleacetic acid production, and ACC deaminase production, which can promote plant growth.

21: 2025/04315. 22: 2025/05/21. 43: 2026/01/20
51: G01N
71: EXPERIMENTAL CENTER OF TROPICAL FORESTRY CHINESE ACADEMY OF FORESTRY
72: ZHENG Lu, LI Chaoying, LI Zhongguo, LI Hua
54: METHOD FOR DETECTING NITRATE NITROGEN IN SOIL

00: -
The present invention provides a method for detecting nitrate nitrogen in soil, including the following operating steps: (1) adding a pretreated soil sample into a calcium sulfate solution, oscillating and standing the mixture, and taking the supernatant for filtration to obtain a filtrate; (2) taking two equal aliquots of the filtrate obtained in step (1) respectively, adding an oxidant to one aliquot and measuring the absorbance value at a wavelength of 210 nm; adding an oxidant and zinc powder to the other aliquot, heating to perform a reduction reaction, and after cooling, measuring the absorbance value at a wavelength of 210 nm; and calculating the nitrate nitrogen content in soil according to the difference between the two absorbance values. The detection method of the present invention does not require the introduction of a correction factor f, nor consider the influence of factors including soil type and soil organic matter content on the detection results. The measurement process does not require wavelength switching and may complete the determination of soil nitrate nitrogen at a single wavelength of 210 nm. The detection results are accurate, reliable, and highly precise, with simple operation. The method of the present invention is suitable for batch sample detection and offers high detection efficiency.

21: 2025/04316. 22: 2025/05/21. 43: 2026/02/02
51: C05G
71: Jinggangshan University, Soil and Fertilizer & Resource and Environment Research Institute, Jiangxi Academy of Agricultural Sciences
72: LIU Renlu, HE Yuan, QIU Caifei, HONG Zhuping, ZHU Tianfeng, ZOU Shengda
54: A COMPOSITE MICROBIAL FERTILIZER AND ITS PREPARATION METHOD AND APPLICATION
00: -
The present invention belongs to the technical field of composite fertilizers, specifically relating to a composite microbial fertilizer and its preparation method and application. The technical solution of the present invention is a composite microbial fertilizer, the preparation raw materials of which include the following components by weight: 35 parts of apatite, 8–20 parts of biochar, 3–9 parts of diatomaceous earth, 1–11 parts of limestone, 4–17 parts of brown sugar, 5–35 parts of corn starch, and 15–25 parts of composite microbial solution. The composite microbial fertilizer of the present invention uses apatite tailings as the main production raw material, serving as a carrier for the microbial solution to passivate heavy metal cadmium, thereby turning apatite tailings into valuable resources. Meanwhile, the loaded microbial solution can promote the decomposition of soil organic matter and the transformation of nutrients, improve fertilizer utilization, facilitate plant absorption, and inhibit the growth of pathogenic bacteria, thereby achieving the goal of enhancing quality and increasing yield.

21: 2025/04317. 22: 2025/05/21. 43: 2026/01/23
51: A23L
71: LIAONING LIAOFENG BIOTECHNOLOGY CO., LTD, CHEN, Shiliang, DANDONG SWEET AND BEAUTIFUL BREEDING TECHNOLOGY CO., LTD
72: CHEN Shiliang, ZHANG Honghai, HUANG, Yunpeng, SU, Wanting, WANG Linhao
54: COMPOSITE PEPTIDE SOLID BEVERAGE AND PREPARATION METHOD THEREFORE
00: -
The present disclosure provides a composite peptide solid beverage and a preparation method thereof and belongs to the technical field of solid beverages. The composite peptide solid beverage provided by the present disclosure includes the following raw materials: bovine bone collagen peptide powder; chicken bone collagen peptide powder; deep-sea fish bone collagen peptide powder; erythritol; chondroitin sulfate; taurine; astaxanthin; curcumin liposome; Vitamin A; Vitamin B1 (Thiamine); Vitamin B2 (Riboflavin); Vitamin B6 (Pyridoxine); Vitamin D (Cholecalciferol); food flavoring; and hypromellose. The composite peptide solid beverage may effectively supplement proteins, chondroitin, and vitamins required by the human body, significantly enhance immunity in athletic populations, improve microcirculation, promote cartilage regeneration, increase bone mineral density, and reduce exercise-induced wear and joint pain.



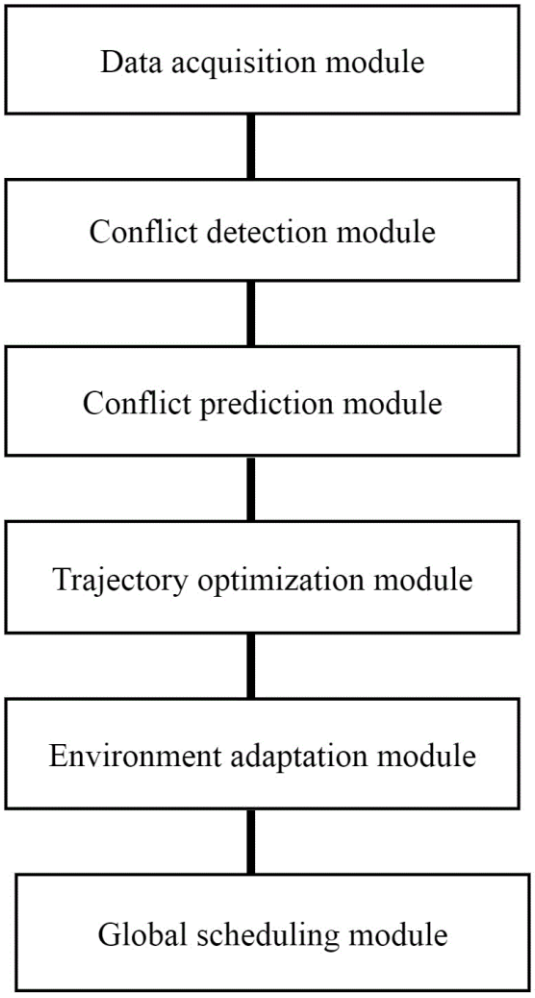
21: 2025/04318. 22: 2025/05/21. 43: 2026/01/23
51: C12N; C12Q
71: TAIZHOU INSTITUTE FOR FOOD AND DRUG CONTROL, CHINA JILIANG UNIVERSITY
72: HONG, Liang, GUAN, Feng, PAN, Yingqiu, XIA, Huili, YANG, Siyu
54: PRIMER SET, DETECTION KIT, AND IDENTIFICATION METHOD FOR DETERMINING SPECIES ORIGIN OF DOE-PRODUCT
00: -
The present invention belongs to the technical field of species identification. A primer set, a detection kit, and an identification method for identifying species origin of doe-derived products are provided. The primer set is composed of an upstream outer primer X428 outF, an upstream inner primer Deer X428 inF, a downstream inner primer Deer X428 inR, and a downstream outer primer X428 outR. Through this primer set, the authenticity and hybrid status of doe-derived products are specifically detected, and their parental origins are determined. The technology is established as a standardized detection method for verifying the authenticity of deer products and identifying hybrid breeds.

21: 2025/04355. 22: 2025/05/22. 43: 2026/01/26
51: C14C
71: Zhongniu Group Co., Ltd.
72: XIA, Haofan, FAN, Changhua, FAN, Enyuan, LI, Shiwei, QIANG, Taotao
54: WATER-SAVING PROCESSING TECHNOLOGY FOR COW HIDE WET-BLUE LEATHER
00: -
Disclosed in the present invention is a water-saving processing technology for cow hide wet-blue leather, which relates to the technical field of leather processing. The water-saving processing technology for cow hide wet-blue leather provided by the present invention includes the following steps: S1. performing pretreatment; S2. performing soaking; S3. performing liming and re-liming; S4. performing deliming and softening; S5. performing chrome tanning; and S6. performing retanning and fatliquoring. According to the present invention, the retanning and fatliquoring treatment is performed on the cow hide wet-blue leather, such that the cow hide wet-blue leather has certain waterproofness and excellent mechanical properties.

21: 2025/04357. 22: 2025/05/22. 43: 2026/01/23
51: A61K
71: Inner Mongolia Minzu University
72: ZHAI Jingbo, WU Yangtao, BAI li, WANG Xingya, WANG Hui, LIU Mingyuan
33: CN 31: 2024107412877 32: 2024-06-07
54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR RELIEVING ARTHRALGIA CAUSED BY BRUCELLA AND PREPARATION METHOD OF TRADITIONAL CHINESE MEDICINE COMPOSITION
00: -
The invention relates to a traditional Chinese medicine composition for relieving arthralgia caused by brucella and a preparation method of the traditional Chinese medicine composition. The traditional Chinese medicine composition comprises the following components in parts by weight: 30-50 parts of astragalus membranaceus; 15 to 20 parts of cortex phellodendri; 15 to 25 parts of radix clematidis; 10 to 20 parts of cassia twig; 16-22 parts of radix salviae miltiorrhizae; 10-18 parts of Chinese magnoliavine fruit; 8-12 parts of sophora flower; 14 to 17 parts of hawthorn; 10 to 15 parts of radix achyranthis bidentatae; 15-25 parts of radix bupleuri; in the traditional Chinese medicine composition, sophora flowers, haws, achyranthes bidentata and radix bupleuri are subjected to low-temperature

enzymolysis treatment and then are used as medicines. The buccal tablet is simple in raw materials, contains sophora flower, hawthorn, achyranthes bidentata and radix bupleuri which are all subjected to low-temperature enzymolysis treatment, ensures release of effective components to the maximum extent, is mild in medicine property, can effectively relieve arthralgia caused by brucella, and is small in side effect after being taken for a long time. The preparation method is simple to operate, comprises operations such as enzymolysis treatment on coarse powder, is safe and harmless, enables internal components of the medicinal materials to be released more easily, and compared with a traditional process, improves the content of effective components in a crude extract, realizes efficient development and utilization of raw materials, and ensures and improves the drug effect.

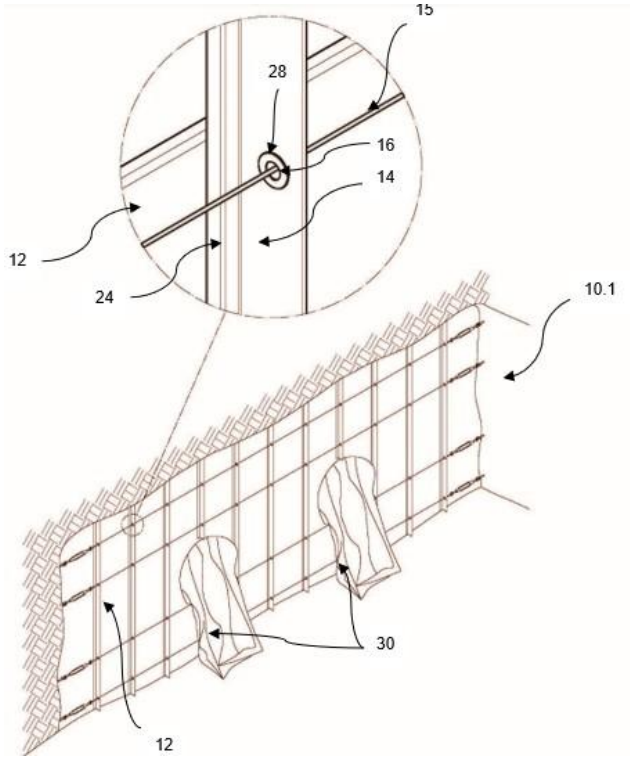
21: 2025/04358. 22: 2025/05/22. 43: 2026/01/23
51: G08G
71: Wenzhou Polytechnic
72: ZHANG Hao
54: UNMANNED AERIAL VEHICLE AIRSPACE COLLABORATIVE SCHEDULING SYSTEM
00: -
The present invention discloses an unmanned aerial vehicle airspace collaborative scheduling system. The system includes: acquiring raw trajectory data of a unmanned aerial vehicle swarm and performing preliminary processing to obtain motion state parameters; based on the motion state parameters, running a lightweight algorithm on distributed edge nodes to generate a conflict risk distribution map; using the conflict risk distribution map, combined with real-time trajectory data, to analyze potential conflict zones with a neural network acceleration model, yielding high-precision conflict prediction results; based on the high-precision conflict prediction results, employing a lightweight algorithm to constrain the trajectory adjustment range for each unmanned aerial vehicle, producing a preliminary trajectory optimization plan; according to the preliminary trajectory optimization plan, updating environmental data in real-time via distributed edge nodes to obtain environment-adapted trajectory correction parameters; and using these parameters to generate a real-time scheduling instruction set that meets millisecond-level decision-making requirements.



21: 2025/04359. 22: 2025/05/22. 43: 2026/01/23
51: A01C; C05F
71: JIANGXI AGRICULTURAL UNIVERSITY
72: LIANG, Feng, HE, Xiaolin, CAI, Zejiang, LIAO, Jianwu, QIN, Zhangjie, DING, Yiqian, LI, Moqi, SHEN, Guoan, CHENG, Yongbao, HUANG, Ruonan, HONG, Sanqing
54: METHOD FOR SOIL ACID MODIFICATION, CARBON SEQUESTRATION AND FERTILIZATION OF SOUTHERN PADDY FIELDS
00: -
Disclosed is a method for soil acid modification, carbon sequestration and fertilization of paddy fields. A comprehensive management technology system centered on applying lime combined with reducing chemical fertilizer and increasing plant organic

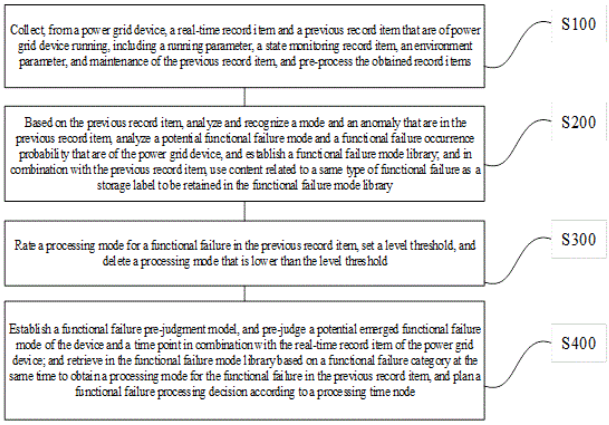
fertilizer in a rice-rice-green manure rotation system is constructed, including rice-rice-green manure rotation, green manure combined with lime deep tilling and returning to the field, chopping rice straw and returning to the field. The green manure combined with lime deep tilling and rice straw returning to the field can effectively improve soil acidity, increase soil organic matter content, improve tillage structure and increase soil nutrients in the soil. Through symbiotic nitrogen fixation, Astragalus sinicus L. can reduce the application of nitrogen fertilizer, thus saving fertilizer while improving the organic matter content of soil, decrease irrational fertilization, reduce production costs, synergistically improve production efficiency, and achieve green, low-carbon and high-quality development of acid control, fertilization and efficiency enhancement.

21: 2025/04360. 22: 2025/05/22. 43: 2026/01/23
51: E21F
71: STOKES, Paul, BOUWER, Barend Jacobus Petrus
72: STOKES, Paul
33: ZA 31: 2024/04636 32: 2024-06-14
54: FLEXIBLE VENTILATION SEAL AND METHOD OF MANUFACTURING SAME
00: -
A ventilation seal for use in an underground mining environment is disclosed, the ventilation seal comprising a generally planar elastic body having a front- and rear side, and being adapted to be vertically secured between a hanging wall and a footwall and horizontally secured between upright underground supports; and a reinforcement structure, connected to said generally planar elastic body, formed with a plurality of apertures through which elongate wiring can be passed to, in use, support the generally planar elastic body when the wiring extends across the generally planar elastic body. The invention extends to a method of manufacturing said ventilation seal and of utilizing a ventilation seal as herein described in to cordon off and create fresh air intake areas and return airway areas to extract warm polluted air from underground levels and stopes.



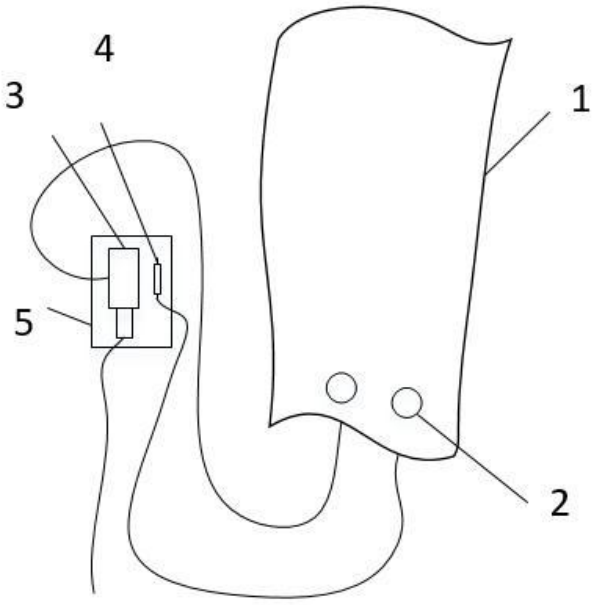
21: 2025/04367. 22: 2025/05/22. 43: 2026/02/02
51: G06Q
71: NANJING VOCATIONAL COLLEGE OF INFORMATION TECHNOLOGY, TAIYUAN POWER SUPPLY COMPANY OF STATE GRID SHANXI ELECTRIC POWER COMPANY, JINLING INSTITUTE OF TECHNOLOGY, TIANJIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: Zhenfei GU, Gang SUN, Fan CHEN, Ben WANG, Wei YAO, Jiming YU, Yiying ZHANG, Dawei WANG, Baohong FENG
33: CN 31: 202411199948.4 32: 2024-08-29
54: POWER GRID MULTI-LEVEL EVALUATION METHOD AND SYSTEM BASED ON POWER GRID DEVICE TRACEABILITY RECORD ITEM
00: -
The present invention is applicable to the field of power system automation and provides a power grid multi-level evaluation method and system based on a power grid device traceability record item. The system includes: a power grid device record item collection processing module, a previous record item analysis and mode recognition module, a processing mode rating and optimization module, and a functional failure pre-judgment and decision support module. Quality of a functional failure processing measure and reliability of a functional failure mode library are significantly improved through detailed functional failure processing record screening,

comprehensive rating rule formulation, and a strict ineffective measure deletion mechanism. This not only helps optimize a future functional failure processing strategy but also effectively reduces an ineffective or inefficient processing measure. By establishing and applying a functional failure pre-judgment model, accuracy and timeliness of pre-judgment of a functional failure of the power grid device are improved, and by planning the processing measure in advance, a potential risk of power grid running is effectively reduced, thereby providing powerful decision support for a power grid operator.



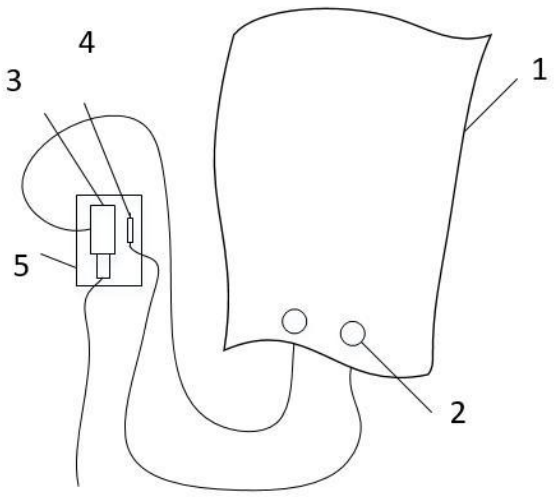
21: 2025/04369. 22: 2025/05/22. 43: 2026/02/02
51: A41D
71: ANHUI POLYTECHNIC UNIVERSITY
72: WANG Zhujun, XING Yingmei, LU Chuanmei
54: SMART ELBOW PROTECTOR AND USING METHOD THEREOF
00: -

The present invention relates to smart wearable device, and in particular to a smart elbow protector and the using method thereof. A pressure sensor is provided in the elbow-pad body and is installed through a metal sheet. The two ends of the metal sheet are divided into two poles by a separation groove and are respectively sewn inside the elbow-pad body by the conductive sewing thread, and then snap fastener is provided. The conductive sewing thread and wires of peripheral circuit are both wound around snap fastener so that evaluation board, resistor and pressure sensor can be connected to form a loop. Therefore, it can accurately, efficiently and conveniently measure the pressure on the human elbow and thus can provide strong technical support for prevention and rehabilitation of elbow joint diseases.



21: 2025/04370. 22: 2025/05/22. 43: 2026/02/02
51: A61B
71: ANHUI POLYTECHNIC UNIVERSITY
72: WANG Zhujun, XING Yingmei, TAO Yubo
54: SMART KNEE PROTECTOR AND USING METHOD THEREOF
00: -

The present invention relates to a smart wearable device, and in particular to a smart knee protector and using method thereof. A pressure sensor is provided in knee-pad body and is installed through metal sheet. Two ends of metal sheet are divided into two poles by separation groove and are respectively sewn inside knee-pad body by conductive sewing thread, and then snap fastener is provided. Conductive sewing thread and wires of peripheral circuit are both wound around snap fastener so that the evaluation board, resistor and pressure sensor can be connected to form a loop. Therefore, it can accurately, efficiently and conveniently measure the pressure on human knee and thus can provide strong technical support for prevention and rehabilitation of knee joint diseases.

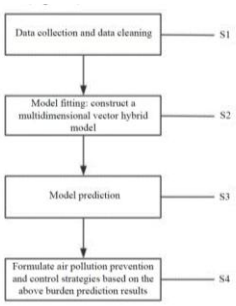


21: 2025/04388. 22: 2025/05/23. 43: 2026/01/23
51: G06N
71: THE THIRD PEOPLE`S HOSPITAL OF CHENGDU
72: SUN, Zhongxin, LIU, Yifeng, WEI, Wen, SUN, Xiaobin, XI, Weidong, ZHOU, Ling, LIU, Li, LI, Jiao, LIU, Li

54: MULTIDIMENSIONAL VECTOR MODEL-BASED PREDICTION AND INTERVENTION METHOD FOR AIR POLLUTANT-INDUCED DISEASE TRENDS

00: -

The present invention discloses a multidimensional vector model-based prediction and intervention method for air pollutant-induced disease trends, including: S1: data collection and data cleaning; S2: model fitting; S3: model prediction; and S4: formulating air pollution prevention and control strategies based on the above burden prediction results. Through machine learning models, this patent further reveals the impact of air pollution on digestive tract tumors and provides a strategic and innovative approach.



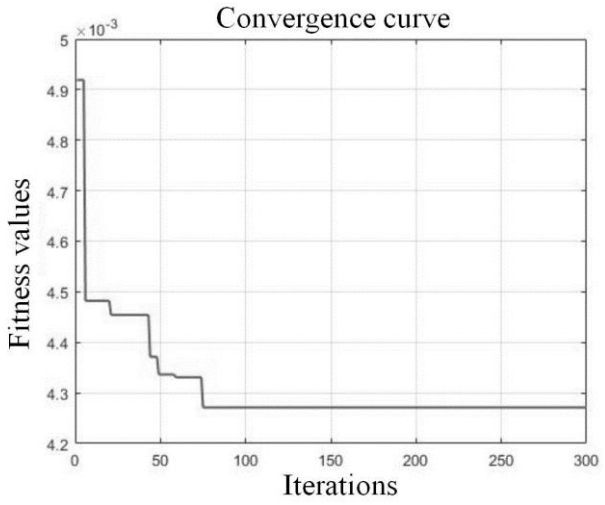
21: 2025/04389. 22: 2025/05/23. 43: 2026/01/23
51: E21C
71: Huainan Normal University, East China University Of Technology
72: BI Yaoshan, HUANG Kaifeng, DOU Zhongsi, LI Dong, KANG Yi, SHAN Ziqiang, LI Fenghui, DOU Litong, LI Zewei, LIU Yaxing, QUAN Quan, ZHANG Xing
33: CN 31: 2025105255240 32: 2025-04-24

54: METHOD FOR PREDICTING THE HEIGHT OF WATER-CONDUCTING FRACTURE ZONE IN COAL MINE ROOF BASED ON SOA-KELM AND SYSTEM THEREOF

00: -

The present invention provides a method for predicting the height of water-conducting fracture zones in coal mine roofs based on SOA-KELM. The method comprises the following steps: identifying the main controlling factors influencing the height of the water-conducting fracture zone in the coal mine roof and collecting corresponding measured data; dividing the collected measured data into training datasets and testing datasets and standardizing the data; initializing the parameters of the Seagull Optimization Algorithm (SOA) and setting the fitness function as the root mean square error (RMSE) between the expected and actual outputs of the Kernel Extreme Learning Machine (KELM) model on the training dataset; optimizing the regularization coefficient and kernel function parameters of the KELM model using the SOA algorithm to obtain the optimal parameter combination; establishing the SOA-KELM prediction model based on the optimal parameter combination; evaluating and validating the performance of the SOA-KELM prediction model using the testing dataset and outputting the predicted height of the water-conducting fracture zone in the coal mine roof. The invention integrates the SOA algorithm to achieve automatic optimization of key parameters in the KELM model, avoiding performance limitations caused by manual

parameter presetting and effectively improving prediction accuracy.

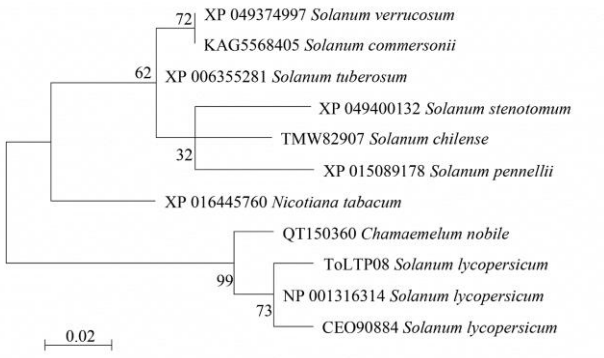


21: 2025/04390. 22: 2025/05/23. 43: 2026/01/23
51: C07K
71: Institute of Vegetables, Hainan Academy of Agricultural Sciences
72: SUN, Xiaodong, PANG, Qiangqiang, ZHOU, Man, CHEN, Yisong, SHI, Guobin

54: ANTIMICROBIAL PEPTIDE COMPOSITION AND APPLICATION THEREOF

00: -

Disclosed are an antimicrobial peptide composition and application thereof. The antimicrobial peptide composition of the present invention includes raw materials in parts by weight: 10-15 parts of antimicrobial peptide, 1-3 parts of cinnamon essential oil and 1-3 parts of V. negundo essential oil. The antimicrobial peptide composition of the present invention has good resistance to R. solanacearum and E. rostratum, and provides a new solution and approach for biological control of plant diseases caused by the two pathogens.

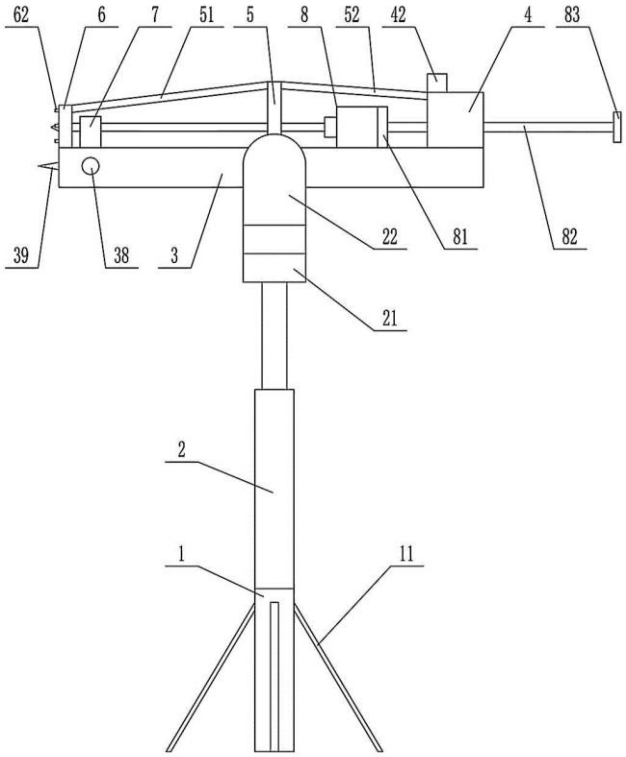


21: 2025/04391. 22: 2025/05/23. 43: 2026/01/23
51: E21B
71: China Coal Xinji Energy CO., LTD., Anhui University of Science and Technology
72: MA Shoulong, JIAO Jinbao, WANG Xiaoping, WANG Haibo, LI Xue, LIU Yujian, WANG Mengxiang

54: PNEUMATIC ANCHOR DRILLING MACHINE FOR COAL MINE ROADWAY SUPPORT

00: -

The invention relates to the technical field of anchor rod support, and in particular to a pneumatic anchor rod drilling machine for coal mine roadway support, including a support component, where the top surface of the support component is fixedly connected with a fixed end of a hydraulic cylinder, the piston end of the hydraulic cylinder is fixedly connected with an adjusting component, one end of the adjusting component far away from the hydraulic cylinder is rotatably connected with a supporting board, the adjusting component is used for adjusting the horizontal angle and the inclination angle of the supporting board, the top surface of the supporting board is connected with a drilling machine body in a sliding way, the drill rod of the drilling machine body is provided with a water spraying component for spraying water on the drilling operation surface and a limiting component for preventing the drill rod of the drilling machine body from jumping and throwing, the pneumatic end of the drilling machine body is provided with a control component for controlling the movement of the drilling machine body. According to the invention, through the limiting component, the drill rod of the drilling machine body can be effectively prevented from jumping and throwing, so that the drill rod of the drilling machine body can continuously and stably work in the process of increasing the rotating speed of the pneumatic motor and improving the anchoring speed.

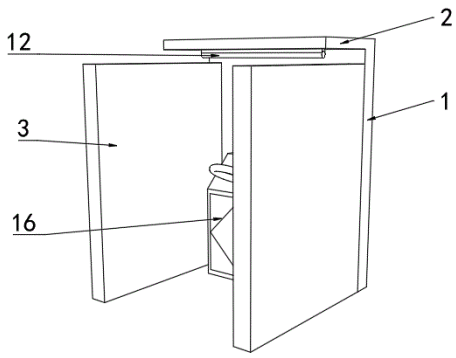


21: 2025/04392. 22: 2025/05/23. 43: 2026/01/23
51: G02B
71: Wenzhou Polytechnic
72: DAI Zhaojue

54: VR GLASSES AUXILIARY DESIGN EXPERIENCE DEVICE

00: -

The invention discloses a VR glasses auxiliary design experience device, comprising a shell and an installation cabinet housed within the shell. The installation cabinet contains a computer host. A protective component is installed at the front of the installation cabinet, and the protective component comprises an electric lifting rod fixed to the front side of the installation cabinet and a protective ring rotatably connected to the electric lifting rod. The protective ring is equipped with a pressure sensor. A controller is housed within the installation cabinet and is electrically connected to the pressure sensor and the electric lifting rod, for adjusting the lifting and locking of the electric lifting rod based on pressure signals. This device is equipped with protective components that can provide protection for different users during the experience, preventing them from getting injured.

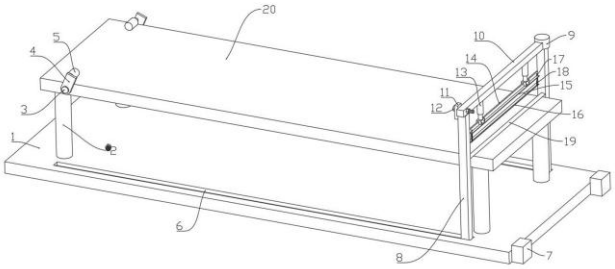


21: 2025/04393. 22: 2025/05/23. 43: 2026/01/23
51: B26D
71: PUYANG LONGFENG PAPER CO., LTD.
72: Wei Wang, Dongwang Feng, Shengjun Li, Jianlun Yu, Xianhua Li, Xia Zhou, Zhangyi Lv, Gangbiao Liu, Wei Du, Jicheng He, Hengzheng Su, Yuwen Ji, Lei Zhang, Longfei Han, Pengfei Li, Zhantao Zhu, Jiahui Li, Yanhe Wei, Guoqing Feng, Liping Sun

54: A PAPER CUTTER SUITABLE FOR A PAPERMAKING PRODUCTION LINE

00: -

The invention relates to the field of papermaking technology, specifically to a paper cutter suitable for use on a papermaking production line. It comprises a lower plate, with an upper plate fixed above it. The upper plate and the lower plate are parallel. A moving frame is slidably arranged on the lower plate along its length direction, and the upper plate is located between the moving frames. A drive device is provided on the lower plate to drive the movement of the moving frame, and a cutting mechanism is arranged on the moving frame.Through the cooperation of the inclined surface of the support rod and the inclined surface of the pressure rod, the invention achieves pre-pressing of the paper before the downward motion of the cutter, thereby preventing paper displacement during the cutting process and ensuring a smooth cut. After the moving frame drives the support rod to move, the pin shaft elastically resets and causes the pressure roller to press the paper tightly, ensuring the stability of the paper. When the moving frame drives the support rod to return, the support rod causes the rotating plate, pressure roller, and pin shaft to rotate, allowing the pressure roller to separate from the upper plate, which facilitates the removal of the cut paper from the upper plate.

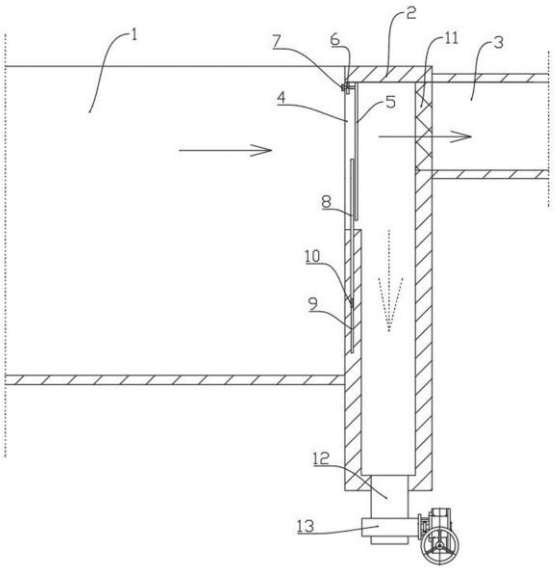


21: 2025/04394. 22: 2025/05/23. 43: 2026/02/02
51: C02F
71: PUYANG LONGFENG PAPER CO., LTD.
72: Wei Wang, Shengjun Li, Gangbiao Liu, Jianlun Yu, Dongwang Feng, Xianhua Li, Xia Zhou, Zhangyi Lv, Wei Du, Jicheng He, Hengzheng Su, Shanfeng Xie, Zhantao Zhu, Jiahui Li, Yanhe Wei, Jiangping Sun

54: A WASTEWATER TREATMENT DEVICE SUITABLE FOR THE PAPERMAKING PROCESS

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The invention relates to the technical field of wastewater treatment, specifically to a wastewater treatment device suitable for the papermaking process. It comprises a sedimentation tank, with a housing fixed to one side of the sedimentation tank. A rectangular inlet hole is provided at the upper part of the housing facing the sedimentation tank. An ear plate is fixed to the upper wall of the inlet hole, and a bolt is threadedly connected to the ear plate. A baffle is slidably arranged in the transverse direction within the inlet hole, with a gap between the lower end of the baffle and the lower wall of the inlet hole. The bolt is threadedly and rotatably connected to the baffle. A vertical slot is formed on the lower wall of the inlet hole, and a vertical telescopic rod is fixed within the vertical slot. A lifting plate is fixed to the upper end of the telescopic rod. An outlet hole is provided at the upper part of the side of the housing away from the sedimentation tank, and a filter screen is fixed within the outlet hole.This invention can dynamically adjust the inlet gap according to the size of floating matter and adjust the interception height based on changes in the thickness of the impurity layer in the sedimentation tank. It can effectively intercept suspended solids of different particle sizes, solving the problems of blockage and poor adaptability of traditional fixed filter screens.

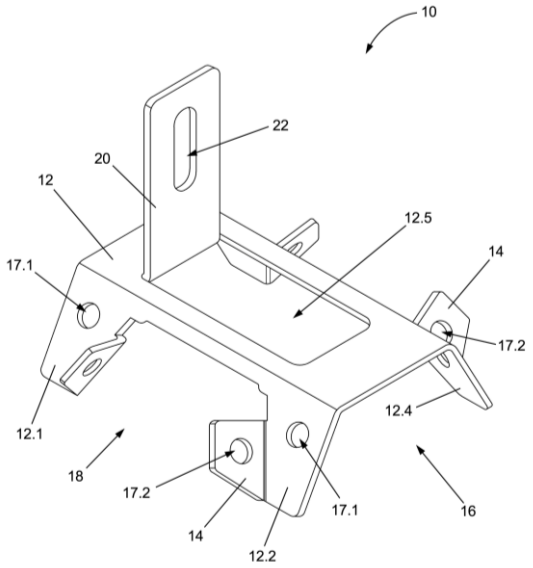


21: 2025/04396. 22: 2025/05/23. 43: 2026/02/02
51: H02S; F24S
71: VAN ROOYEN, Gert Thomas
72: VAN ROOYEN, Gert Thomas
33: ZA 31: 2024/01627 32: 2024-02-26

54: UNIVERSAL MOUNTING BRACKET

00: -

This invention relates to a universal mounting bracket which is used to mount a solar panel to roof sheeting and includes a base that fits over a rib portion of the roof sheeting in a bi-directional manner. The mounting bracket further includes a support member that extends upwardly from the base, which allows for a solar panel or solar panel mounting rail to be attached to and supported by the bracket.

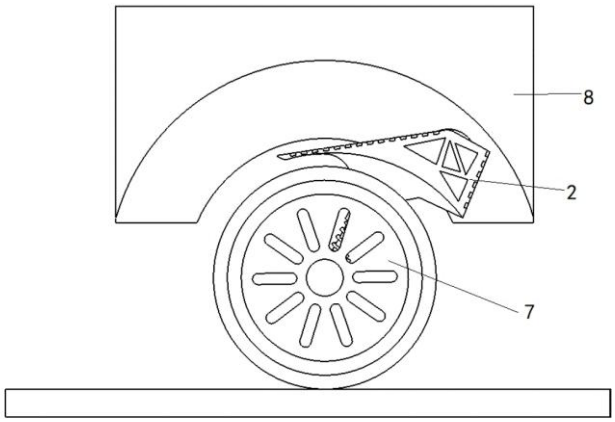


21: 2025/04397. 22: 2025/05/23. 43: 2026/02/02
51: B60B
71: Xinyu University
72: Zhimin Yan, Xiao Chen, Jinbo Li, Xiaoxin Zhang, Chaoyi Li, Jianyang Liu, Chenyu Zhong

54: NOVEL ANTI-SKID ESCAPE WHEEL DEVICE

00: -

The application discloses a novel anti-skid escape wheel device, including an electromagnet module, used for controlling adsorption or separation by power-on/power-off; a mudguard, arranged on the inner side of the wheel, and anti-skid tread patterns are arranged on the surface of the mudguard; a support rod, connected with the mudguard and the vehicle body and used for fixing the position of the anti-skid escape wheel device; a spring, connected with the support rod and the electromagnet module and used for buffering the impact force when the electromagnet is powered off; and a ferromagnetic iron sheet, fixed on the surface of the mudguard and used for cooperating with the electromagnet module to achieve magnetic adsorption. when the electromagnet module is electrified, the electromagnet module is adsorbed on the iron sheet, enabling the mudguard to rotate synchronously with the wheel; when the electromagnet module is powered off, the spring is released, and the mudguard touches the ground to increase the friction.

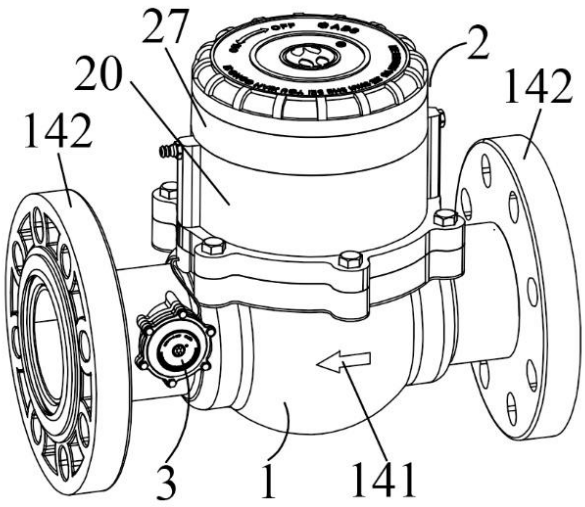


21: 2025/04398. 22: 2025/05/23. 43: 2026/02/02
51: F17D
71: Hebei Renyu Water Saving Equipment Co. Ltd.
72: You Wang, Bo Wang, Jianfeng Wang

54: SELF-POWERED ENERGY-SAVING PIPELINE SWITCH DEVICE

00: -

The present invention provides a self-powered energy-saving pipeline switch device, including: a switch main body, including a main pipe and a switch member; a control module, arranged on the main pipe; and a power generation module, arranged at a water outlet of the main pipe. When irrigation is performed, the flow of water in a water passage cavity is used to impact the power generation module to generate electricity, and a power supply member is charged to maintain the power supply member in a high electricity state. There is no need to replace the power supply member, saving external electric quantity. The service life of the self-powered energy-saving pipeline switch device is prolonged, and the maintenance process is simple.

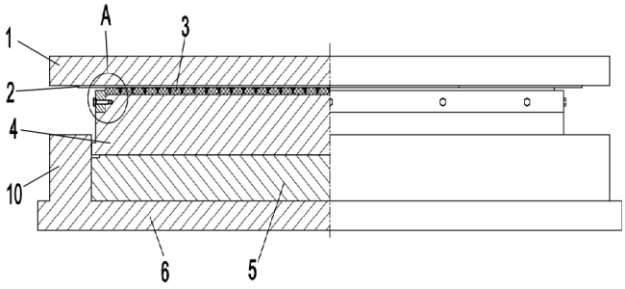


21: 2025/04402. 22: 2025/05/23. 43: 2026/01/26
51: F16C
71: HENGXIANG TECHNOLOGY INC., LTD
72: MA, Meiqin, LIU, Baoquan, JING, Xiaoyan, WANG, Kunkun, GUO, Xiaoce, LI, Rongrong, SONG, Chunxiao, ZHAO, Guangyao, KANG, Tengyao, LIU, Qi

54: LONG-SERVICE-LIFE BEARING STRUCTURE

00: -

A long-service-life bearing structure is provided, which relates to the technical field of bridge engineering. The long-service-life bearing structure, located between an upper portion of a bridge and a lower portion of the bridge, including an upper support plate connected to an upper part of the bridge, a lower support plate connected to a lower part of the bridge, and a stainless steel plate, a wear-resistant plate, and a steel liner plate disposed between the upper support plate and the lower support plate, wherein the steel liner plate is disposed within the lower support plate, the wear-resistant plate is positioned on the upper surface of the steel liner plate, and the stainless steel plate is mounted on the lower surface of the upper support plate and abuts against the wear-resistant plate; and the wear-resistant plate is provided with a lubricating medium thereon, which is configured to lubricate the contact surfaces of both the stainless steel plate and the wear-resistant plate during relative sliding movement therebetween, thereby forming a lubricating interface. According to the present disclosure, the amount of lubricating grease between the stainless steel plate and the wear-resistant plate is increased by providing the grease reservoir and lubrication well arranged on the wear-resistant plate, whereby the wear resistance of the wear-resistant plate is improved and the service life of the support is prolonged; and the wear-resistant plate may be replaced by simply removing the retaining ring, thereby avoiding the need to disassemble the entire bearing to replace the wear-resistant plate and then reassemble it. This results in reduced labor input and saves time and effort.



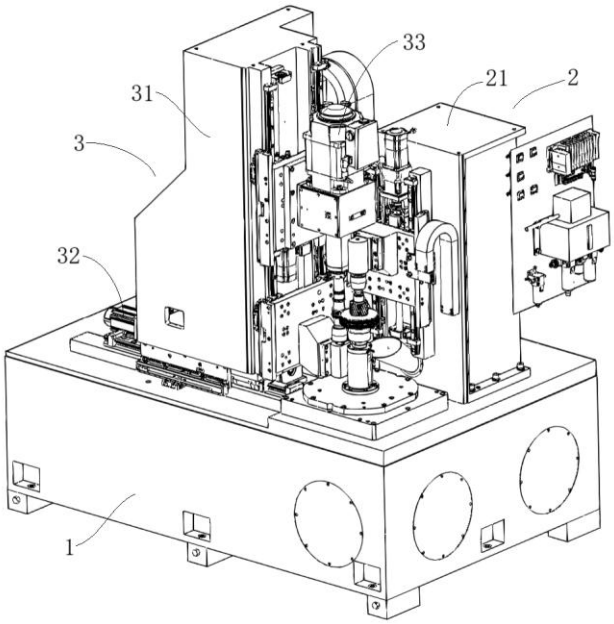
21: 2025/04403. 22: 2025/05/23. 43: 2026/02/02
51: G01M
71: CHONGQING UNIVERSITY OF TECHNOLOGY
72: Dong GUO
33: CN 31: 202411728683.2 32: 2024-11-28

54: PLATFORM FOR DETECTING GHOST FREQUENCY NOISE OF GEAR PAIR

00: -

Disclosed in the present invention is a platform for detecting ghost frequency noise of a gear pair. The platform includes a base, and a first drive loading assembly and a second drive loading assembly that are arranged on the base, where the first drive loading assembly includes a first upright column, a first jacking and clamping mechanism capable of vertically moving is arranged on the first upright column downwards, and a first drive loading mechanism arranged coaxially upwards is arranged below the first jacking and clamping mechanism. The second drive loading assembly includes a second upright column, and the second upright column is movably arranged on the base through a first linear driving mechanism extending towards the first drive loading assembly. The side, facing the first drive loading assembly, of the second upright column is provided with a second drive loading mechanism and a second jacking and clamping mechanism that are arranged coaxially and oppositely in a vertical direction, and the second drive loading mechanism is movably arranged on the second upright column through a vertically arranged

second linear driving mechanism. The present invention has the advantages of being reasonable in design, capable of performing operational simulation on the gear pair, high in clamping efficiency, convenient to operate and use and capable of improving testing accuracy.

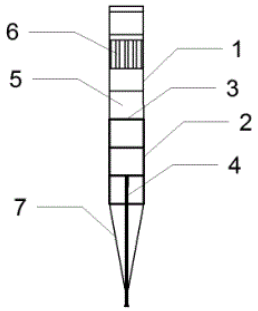


21: 2025/04424. 22: 2025/05/26. 43: 2026/02/09
51: B01L
71: Zhejiang Shuren University
72: FAN, Libo, QIAN, Yaojie, ZHAO, Yezhe, CHEN, Xin, ZHOU, Ying, WANG, Enjun, HU, Lijia, LOU, Xuefei, LU, Yin

54: PIPETTE TIP WITH PS-DVB-GMA AT OA-FE3O4 NANO-CONFINED MAGNETIC FILTER ELEMENT

00: -

The present invention provides a pipette tip with a PS-DVB-GMA at OA-Fe3O4 nano-confined magnetic filter element. The pipette tip with a PS-DVB-GMA at OA-Fe3O4 nano-confined magnetic filter element includes a cylinder body of a pipette tip, where a PS-DVB-GMA at OA-Fe3O4 nano-confined magnetic filter element is fixed on an inner wall of the cylinder body, and a suction tip with a hollow fiber pipe is fixed at a lower end of the cylinder body. The filter element includes cylindrical magnetic filters fixed around a circumference of the cylinder body, a plurality of cake-shaped magnetic filters fixed in the cylindrical magnetic filters, and an absorbent cotton layer covering the PS-DVB-GMA at OA-Fe3O4 nano-confined magnetic cylindrical filter element. The cylindrical magnetic filters and the cake-shaped magnetic filters are made of PS-DVB-GMA at OA-Fe3O4 nanoparticles.

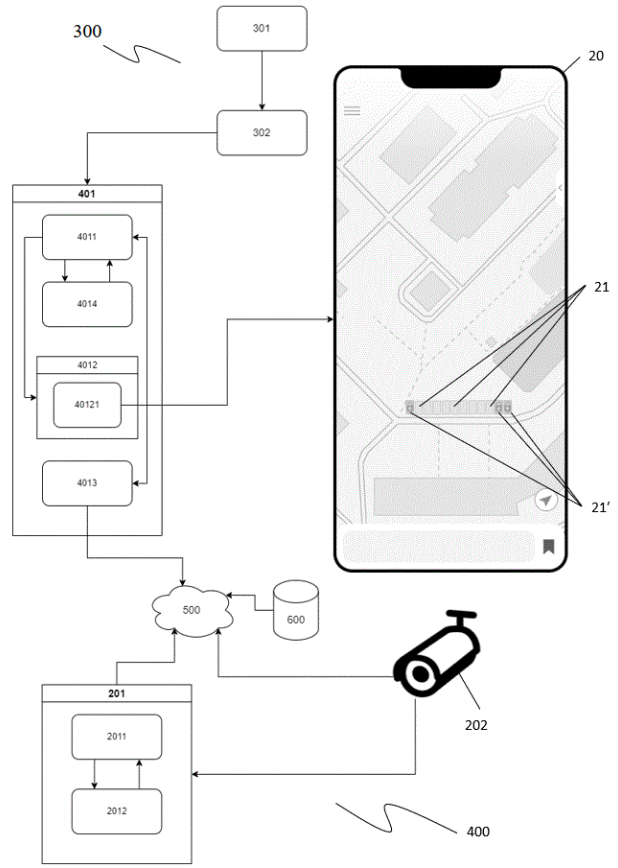


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51: G06F
71: OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PARCORP"
72: VARNIAGA Maksim Olegovich, BELOPUKHOV Maksim Borisovich, ROZHKOVA Elizaveta Aleksandrovna, LARIN Aleksandr Andreevich
33: RU 31: 2024130492 32: 2024-10-10

54: METHOD FOR GENERATING A GRAPHICAL USER INTERFACE FOR A SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY

00: -

The technical solution relates to the field of information technology, more specifically, to methods and techniques for determining the availability of parking spaces. There is a need to simplify the methods, techniques and systems for determining the availability of parking spaces in order to reduce the consumption of computing resources and at the same time ensure accurate and reliable determination of the availability of a parking space. The technical result achieved when implementing the claimed technical solution, in addition to implementing the product and / or method of its purpose, is to increase the reduction of the resources required to determine the availability of a parking space, as well as to increase the accuracy of determining the availability of a parking space while eliminating recognition errors and ensuring the ability to determine the availability of a parking space even if it is occupied by an object not intended for placement in a parking space. In some aspects, another technical result achieved is also an increase in road safety.

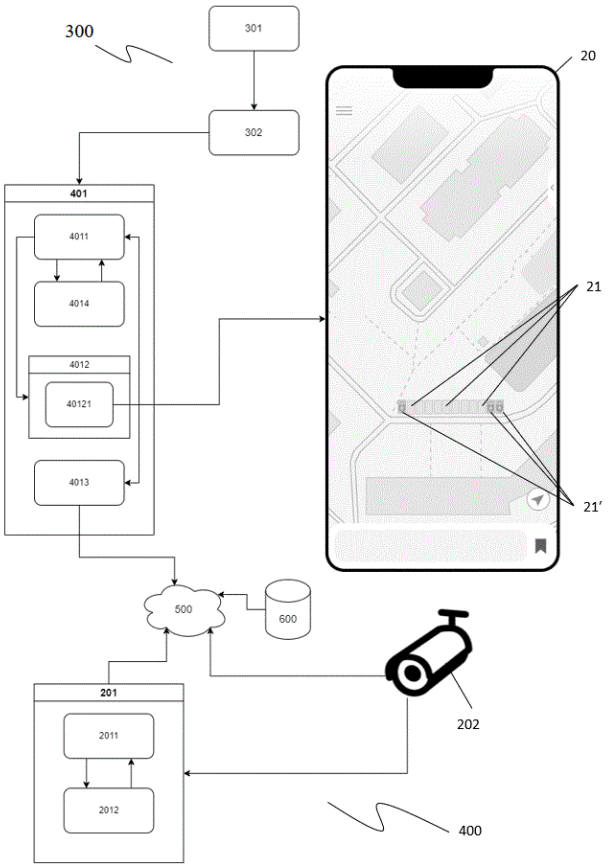


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71: OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PARCORP"
72: VARNIAGA Maksim Olegovich, BELOPUKHOV Maksim Borisovich, ROZHKOVA Elizaveta Aleksandrovna, LARIN Aleksandr Andreevich
33: RU 31: 2024130495 32: 2024-10-10

54: MACHINE-READABLE MEDIUM FOR GENERATING A GRAPHICAL USER INTERFACE FOR A SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY

00: -

The technical solution relates to the field of information technology, more specifically, to methods and techniques for determining the availability of parking spaces. There is a need to simplify the methods, techniques and systems for determining the availability of parking spaces in order to reduce the consumption of computing resources and at the same time ensure accurate and reliable determination of the availability of a parking space. The technical result achieved when implementing the claimed technical solution, in addition to implementing the product and / or method of its purpose, is to increase the reduction of the resources required to determine the availability of a parking space, as well as to increase the accuracy of determining the availability of a parking space while eliminating recognition errors and ensuring the ability to determine the availability of a parking space even if it is occupied by an object not intended for placement in a parking space. In some aspects, another technical result achieved is also an increase in road safety.

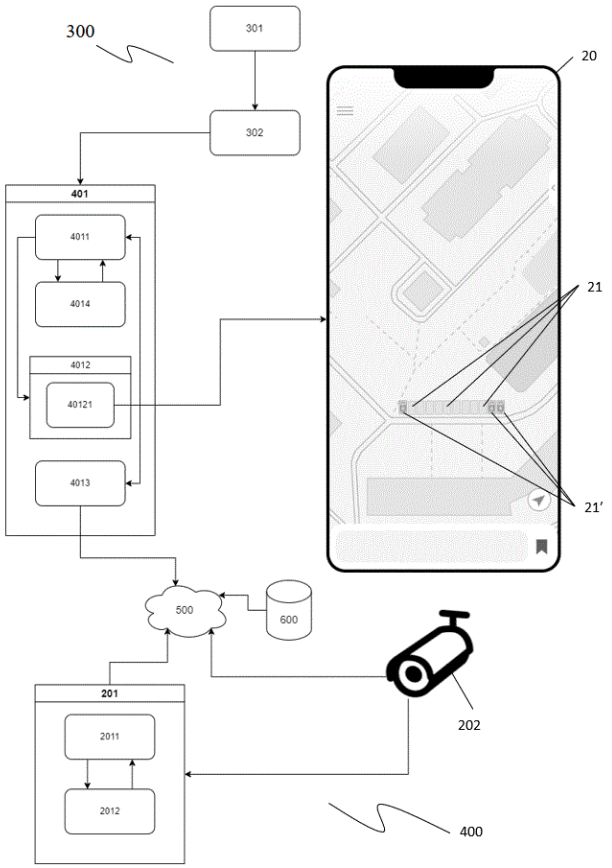


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71: OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PARCORP"
72: VARNIAGA Maksim Olegovich, BELOPUKHOV Maksim Borisovich, ROZHKOVA Elizaveta Aleksandrovna, LARIN Aleksandr Andreevich
33: RU 31: 2024130493 32: 2024-10-10

54: COMPUTER DEVICE FOR GENERATING A GRAPHICAL USER INTERFACE FOR A SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY

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The technical solution relates to the field of information technology, more specifically, to methods and techniques for determining the availability of parking spaces. There is a need to simplify the methods, techniques and systems for determining the availability of parking spaces in order to reduce the consumption of computing resources and at the same time ensure accurate and reliable determination of the availability of a parking space. The technical result achieved when implementing the claimed technical solution, in addition to implementing the product and / or method of its purpose, is to increase the reduction of the resources required to determine the availability of a parking space, as well as to increase the accuracy of determining the availability of a parking space while eliminating recognition errors and ensuring the ability to determine the availability of a parking space even if it is occupied by an object not intended for placement in a parking space. In some aspects, another technical result achieved is also an increase in road safety.



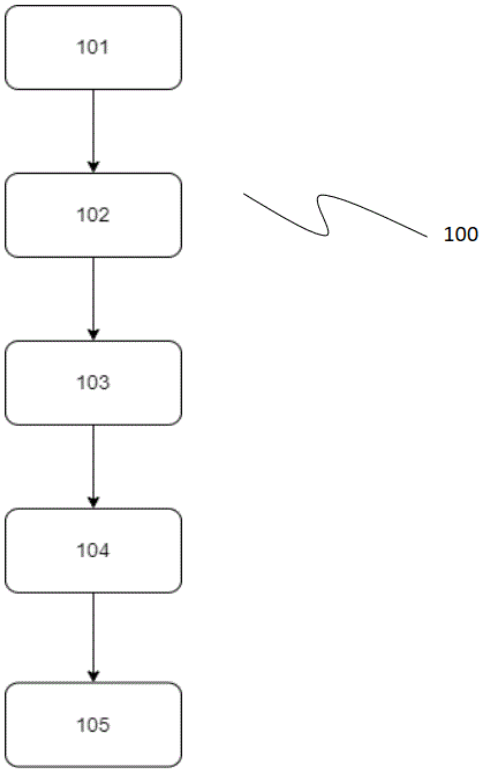
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71: OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PARCORP"
72: VARNIAGA Maksim Olegovich, BELOPUKHOV Maksim Borisovich, ROZHKOVA Elizaveta Aleksandrovna, LARIN Aleksandr Andreevich
33: RU 31: 2024130490 32: 2024-10-10

54: SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY

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The technical solution relates to the field of information technology, more specifically, to methods and techniques for determining the availability of parking spaces. There is a need to simplify the methods, techniques and systems for determining the availability of parking spaces in order to reduce the consumption of computing resources and at the same time ensure accurate and reliable determination of the availability of a parking space. The technical result achieved when implementing the claimed technical solution, in addition to implementing the product and / or method of its purpose, is to increase the reduction of the resources required to determine the availability of a

parking space, as well as to increase the accuracy of determining the availability of a parking space while eliminating recognition errors and ensuring the ability to determine the availability of a parking space even if it is occupied by an object not intended for placement in a parking space. In some aspects, another technical result achieved is also an increase in road safety.

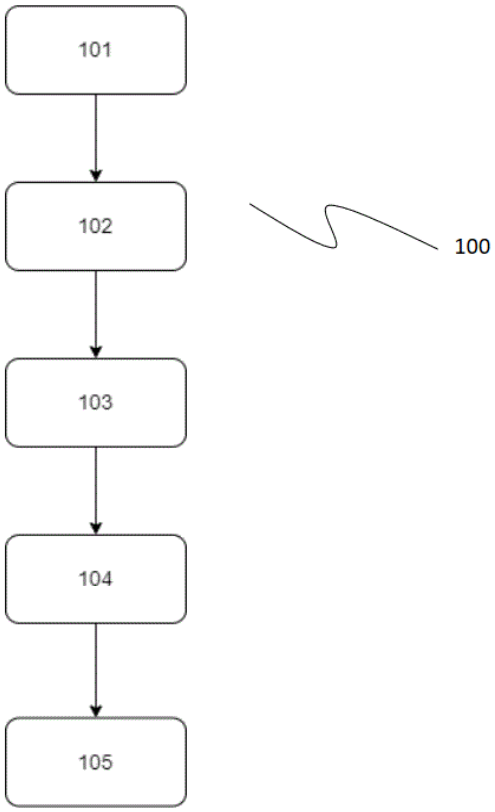


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71: OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PARCORP"
72: VARNIAGA Maksim Olegovich, BELOPUKHOV Maksim Borisovich, ROZHKOVA Elizaveta Aleksandrovna, LARIN Aleksandr Andreevich
33: RU 31: 2024130491 32: 2024-10-10

54: MACHINE-READABLE MEDIUM FOR DETERMINING PARKING SPACE AVAILABILITY

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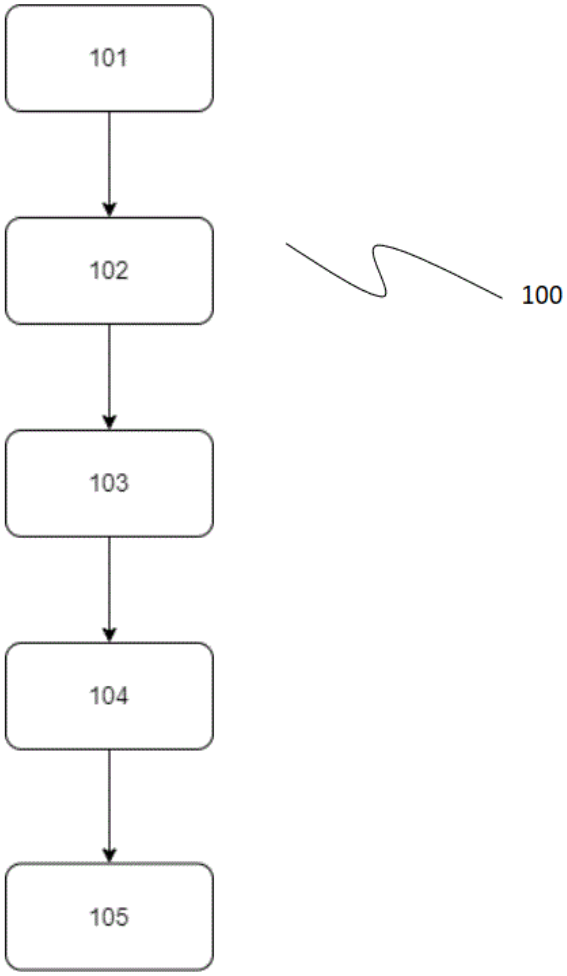
The technical solution relates to the field of information technology, more specifically, to methods and techniques for determining the availability of parking spaces. There is a need to simplify the methods, techniques and systems for determining the availability of parking spaces in order to reduce the consumption of computing resources and at the same time ensure accurate and reliable determination of the availability of a parking space. The technical result achieved when implementing the claimed technical solution, in addition to implementing the product and / or method of its purpose, is to increase the reduction of the resources required to determine the availability of a parking space, as well as to increase the accuracy of determining the availability of a parking space while eliminating recognition errors and ensuring the ability to determine the availability of a parking space even if it is occupied by an object not intended for placement in a parking space. In some aspects, another technical result achieved is also an increase in road safety.



21: 2025/04431. 22: 2025/05/26. 43: 2026/02/02
51: G06F
71: OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PARCORP"
72: VARNIAGA Maksim Olegovich, BELOPUKHOV Maksim Borisovich, ROZHKOVA Elizaveta Aleksandrovna, LARIN Aleksandr Andreevich
33: RU 31: 2024130487 32: 2024-10-10

54: METHOD FOR DETERMINING PARKING SPACE AVAILABILITY

00: -
The technical solution relates to the field of information technology, more specifically, to methods and techniques for determining the availability of parking spaces. There is a need to simplify the methods, techniques and systems for determining the availability of parking spaces in order to reduce the consumption of computing resources and at the same time ensure accurate and reliable determination of the availability of a parking space. The technical result achieved when implementing the claimed technical solution, in addition to implementing the product and / or method of its purpose, is to increase the reduction of the resources required to determine the availability of a parking space, as well as to increase the accuracy of determining the availability of a parking space while eliminating recognition errors and ensuring the ability to determine the availability of a parking space even if it is occupied by an object not intended for placement in a parking space. In some aspects, another technical result achieved is also an increase in road safety.

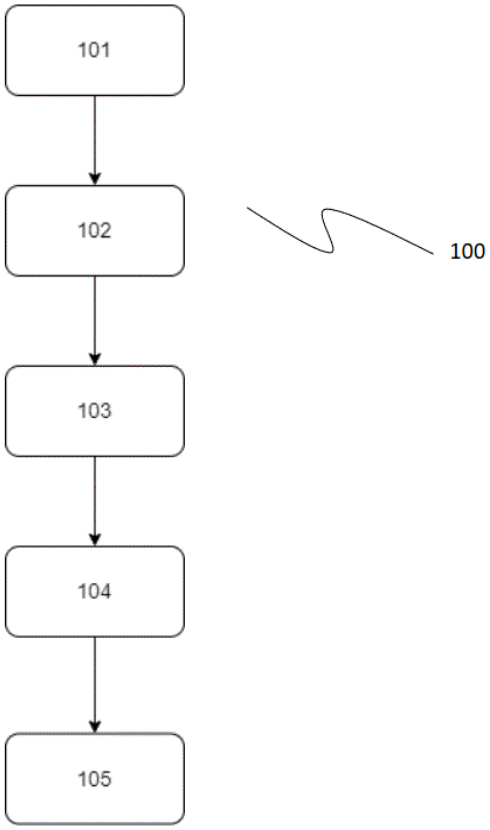


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71: OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PARCORP"
72: VARNIAGA Maksim Olegovich, BELOPUKHOV Maksim Borisovich, ROZHKOVA Elizaveta Aleksandrovna, LARIN Aleksandr Andreevich
33: RU 31: 2024130488 32: 2024-10-10

54: COMPUTER DEVICE FOR DETERMINING PARKING SPACE AVAILABILITY

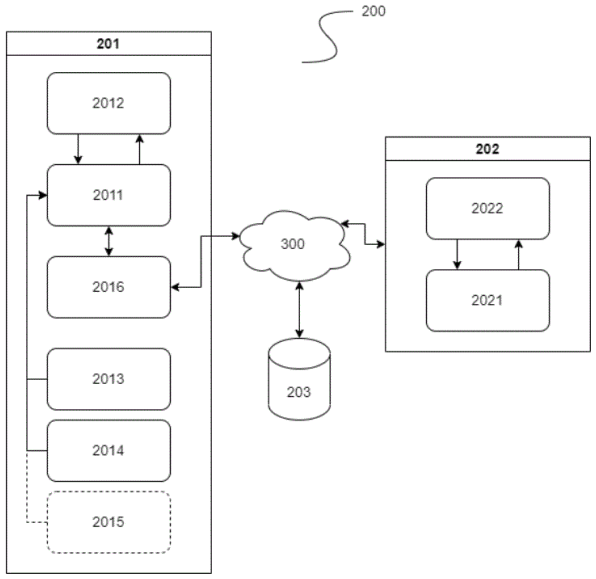
00: -
The technical solution relates to the field of information technology, more specifically, to methods and techniques for determining the availability of parking spaces. There is a need to simplify the methods, techniques and systems for determining the availability of parking spaces in order to reduce the consumption of computing resources and at the same time ensure accurate and reliable determination of the availability of a parking space. The technical result achieved when

implementing the claimed technical solution, in addition to implementing the product and / or method of its purpose, is to increase the reduction of the resources required to determine the availability of a parking space, as well as to increase the accuracy of determining the availability of a parking space while eliminating recognition errors and ensuring the ability to determine the availability of a parking space even if it is occupied by an object not intended for placement in a parking space. In some aspects, another technical result achieved is also an increase in road safety.



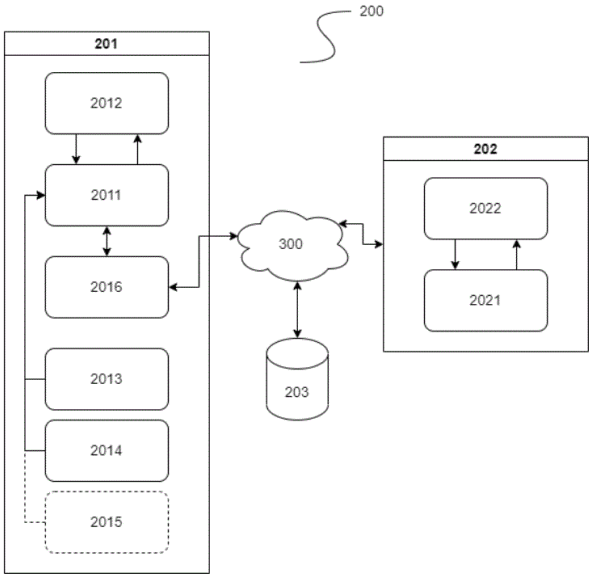
21: 2025/04433. 22: 2025/05/26. 43: 2026/02/02
51: G06F
71: LIMITED LIABILITY COMPANY "ADDON"
72: VETROV Dmitriy Viktorovich, POPOV Sergey Alekseevich, GIRIN Ivan Andreevich, BUROV Kirill Vitalievich
33: RU 31: 2024131169 32: 2024-10-17
54: MOBILE USER DEVICE FOR GENERATING XR SCENE USING WEB ENVIRONMENT OF MOBILE USER DEVICE AND PLAYBACK CORRECTION
00: -

The technical solution relates to the field of information technology, more specifically, to methods and techniques for creating extended reality (XR) scenes. There is a need to ensure the ability to create reliable and stable XR applications that allow for stable and reliable generation of an XR scene regardless of the operating system of the mobile user device. The technical result achieved by implementing the claimed technical solution, in addition to implementing the product and/or method for its intended purpose, is to ensure the reliability and stability of generating an XR scene using the web environment of a mobile user device. In some other aspects, the technical result achieved by implementing the claimed technical solution is also an increase in the stability of the XR scene.



21: 2025/04434. 22: 2025/05/26. 43: 2026/02/02
51: G06F
71: LIMITED LIABILITY COMPANY "ADDON"
72: VETROV Dmitriy Viktorovich, POPOV Sergey Alekseevich, GIRIN Ivan Andreevich, BUROV Kirill Vitalievich
33: RU 31: 2024131170 32: 2024-10-17
54: SYSTEM FOR GENERATING XR SCENE USING WEB ENVIRONMENT OF MOBILE USER DEVICE AND PLAYBACK CORRECTION
00: -
The technical solution relates to the field of information technology, more specifically, to methods and techniques for creating extended reality (XR) scenes. There is a need to ensure the ability to create reliable and stable XR applications

that allow for stable and reliable generation of an XR scene regardless of the operating system of the mobile user device. The technical result achieved by implementing the claimed technical solution, in addition to implementing the product and/or method for its intended purpose, is to ensure the reliability and stability of generating an XR scene using the web environment of a mobile user device. In some other aspects, the technical result achieved by implementing the claimed technical solution is also an increase in the stability of the XR scene.

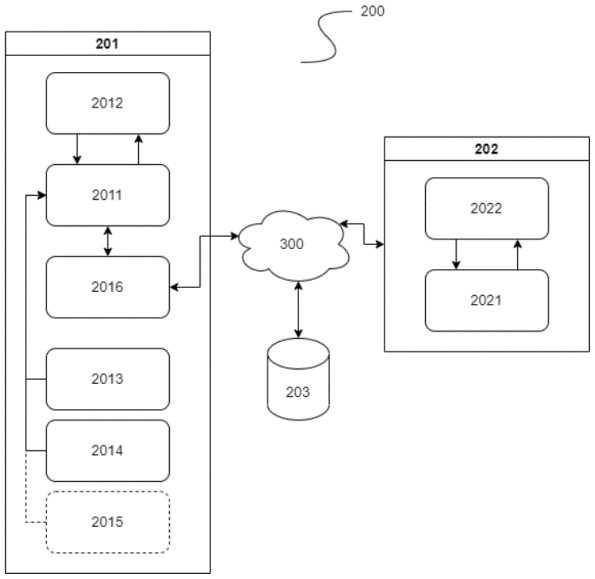


21: 2025/04435. 22: 2025/05/26. 43: 2026/02/02
51: G06F
71: LIMITED LIABILITY COMPANY "ADDON"
72: VETROV Dmitriy Viktorovich, POPOV Sergey Alekseevich, GIRIN Ivan Andreevich, BUROV Kirill Vitalievich
33: RU 31: 2024131171 32: 2024-10-17

54: MACHINE-READABLE MEDIUM FOR GENERATING XR SCENE USING WEB ENVIRONMENT OF MOBILE USER DEVICE AND PLAYBACK CORRECTION

00: -

The technical solution relates to the field of information technology, more specifically, to methods and techniques for creating extended reality (XR) scenes. There is a need to ensure the ability to create reliable and stable XR applications that allow for stable and reliable generation of an XR scene regardless of the operating system of the mobile user device. The technical result achieved by implementing the claimed technical solution, in addition to implementing the product and/or method for its intended purpose, is to ensure the reliability and stability of generating an XR scene using the web environment of a mobile user device. In some other aspects, the technical result achieved by implementing the claimed technical solution is also an increase in the stability of the XR scene.



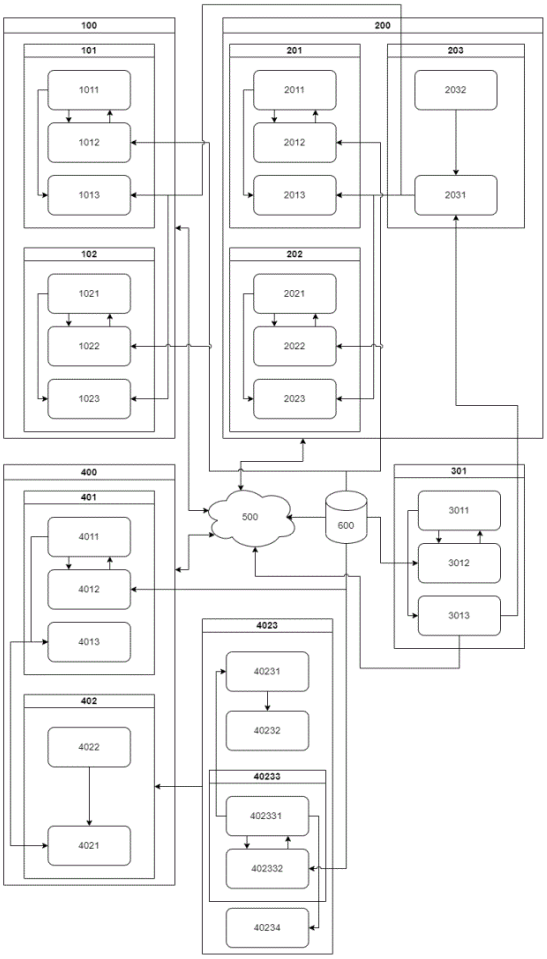
21: 2025/04436. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130472 32: 2024-10-10

54: VEHICLE FOR COLLECTING DATA FOR MACHINE LEARNING COMPRISING DEVICE FOR COLLECTING DATA

00: -

The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects,

another technical result achieved is also an increase in road safety.

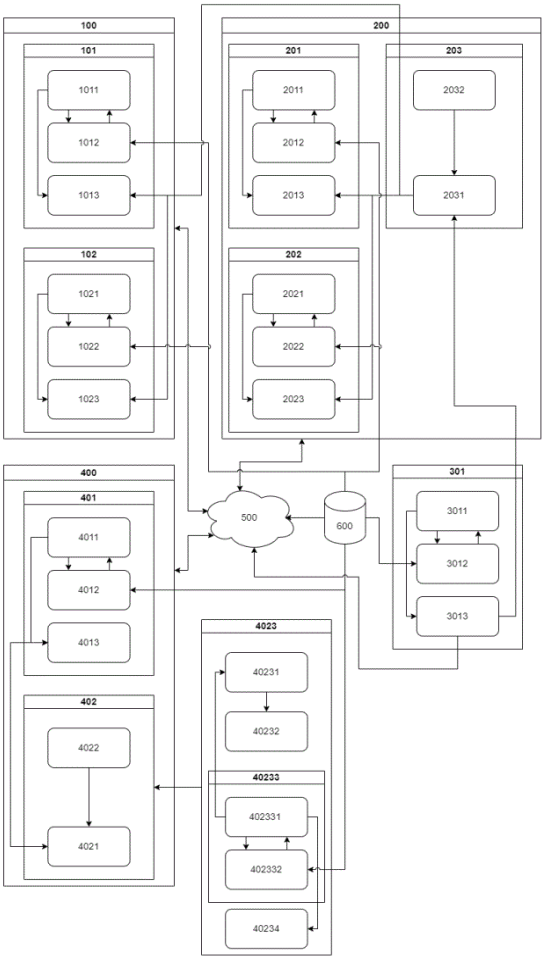


21: 2025/04437. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130478 32: 2024-10-10

54: MACHINE-READABLE MEDIUM FOR TRAINING A MACHINE LEARNING MODEL OR COMPIRSING A TRAINED MACHINE LEARNING MODEL

00: -

The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.



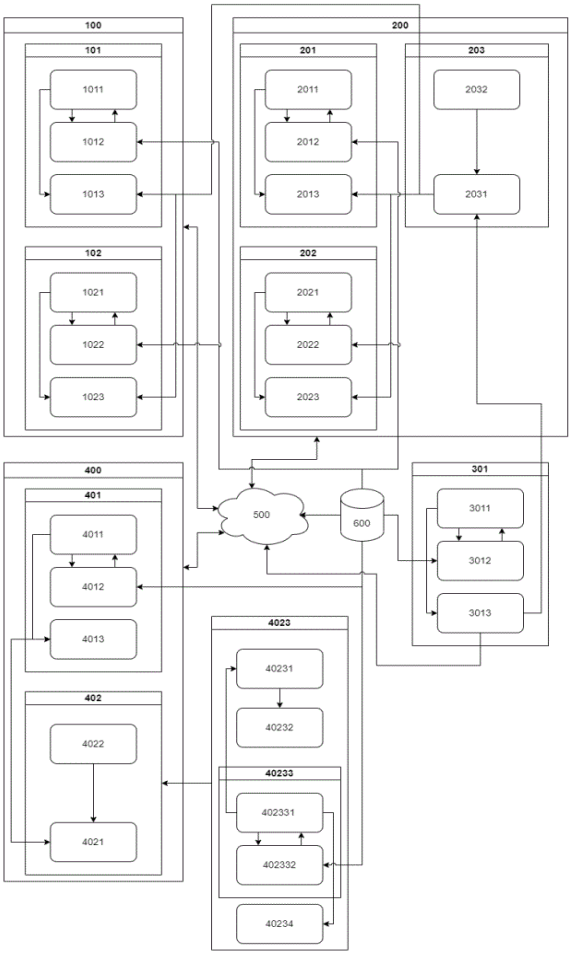
21: 2025/04438. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130482 32: 2024-10-10

54: MACHINE-READABLE MEDIUM FOR DETERMINING PERMISSIBLE SPEED OF A VEHICLE

00: -

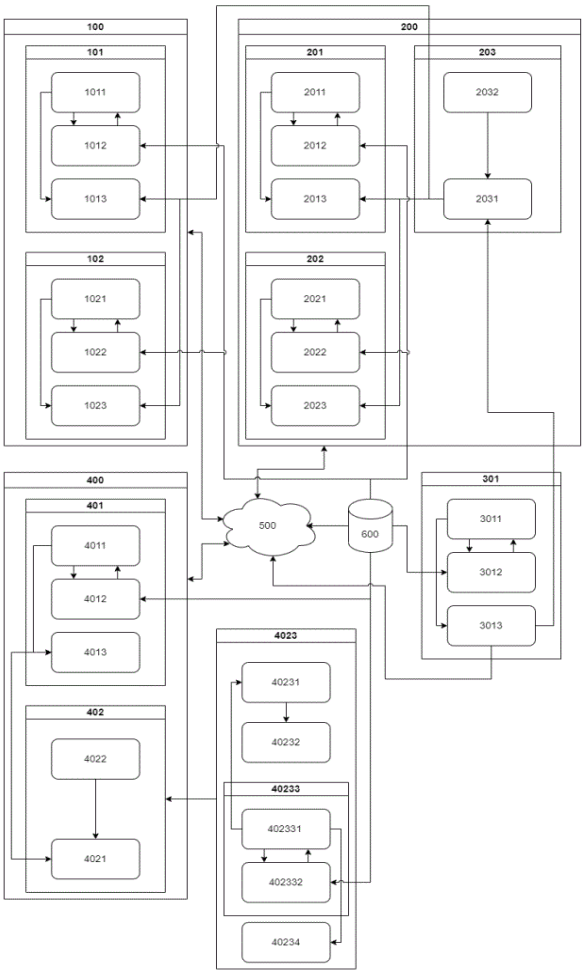
The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal

mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.



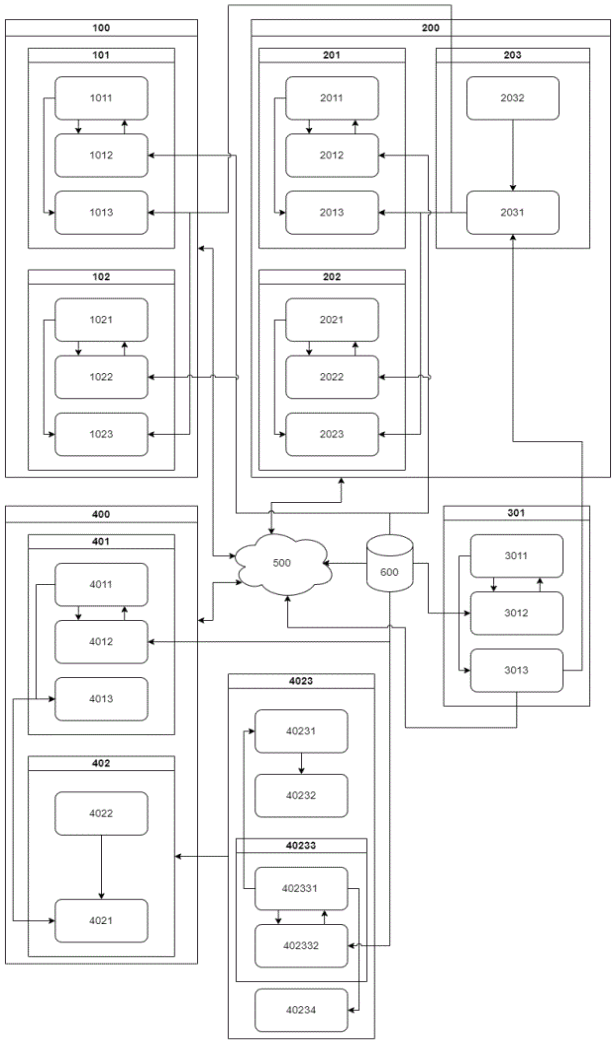
21: 2025/04439. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130486 32: 2024-10-10
54: MACHINE-READABLE MEDIUM FOR CONTROLLING A VEHICLE
00: -

The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.



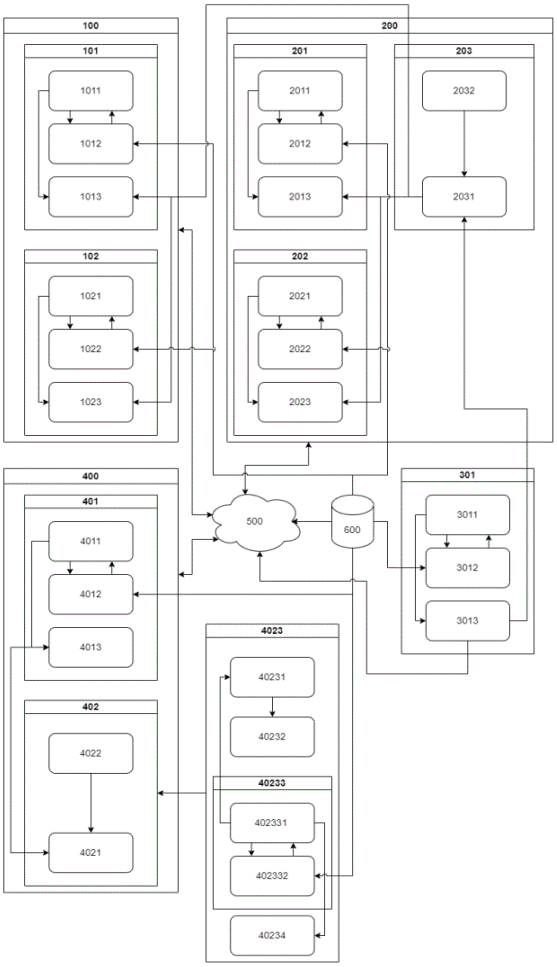
21: 2025/04440. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich

72: VOLKOV Artem Maksimovich
33: RU 31: 2024130480 32: 2024-10-10
54: DEVICE FOR DETERMINING PERMISSIBLE SPEED OF A VEHICLE
00: -
The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.



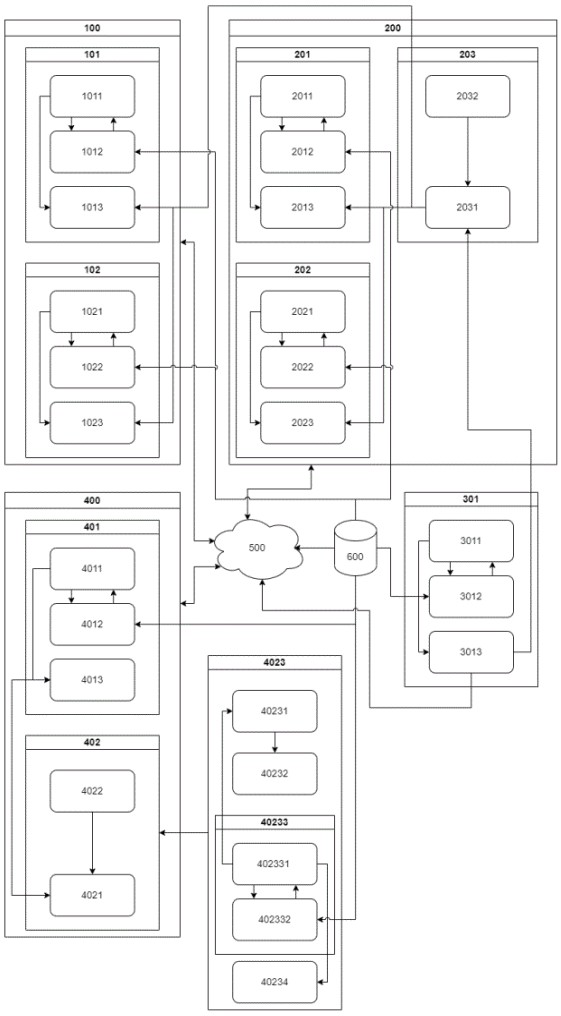
21: 2025/04441. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130468 32: 2024-10-10
54: DEVICE FOR COLLECTING DATA FOR MACHINE LEARNING
00: -
The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended

purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.



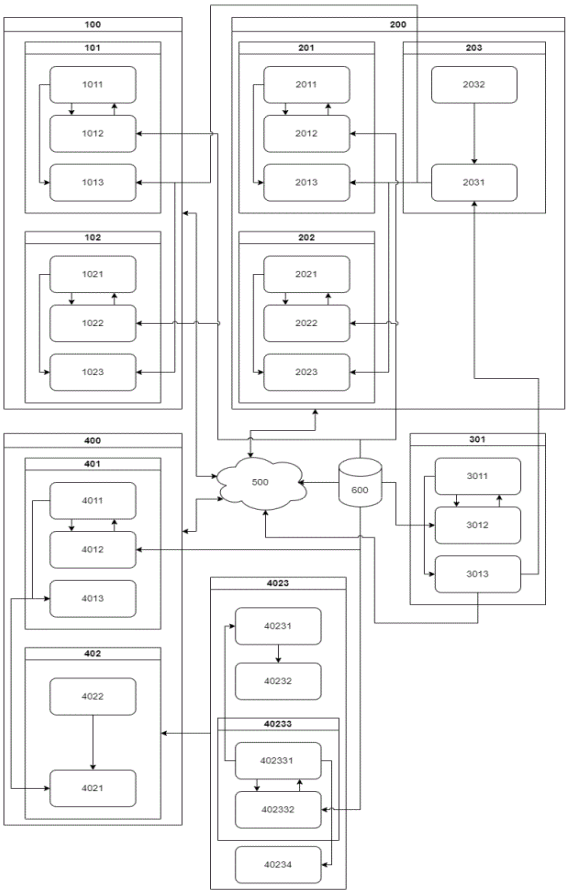
21: 2025/04442. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130469 32: 2024-10-10
54: SYSTEM FOR COLLECTING DATA FOR MACHINE LEARNING
00: -

The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.



21: 2025/04443. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130470 32: 2024-10-10
54: VEHICLE FOR COLLECTING DATA FOR MACHINE LEARNING
00: -

The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.

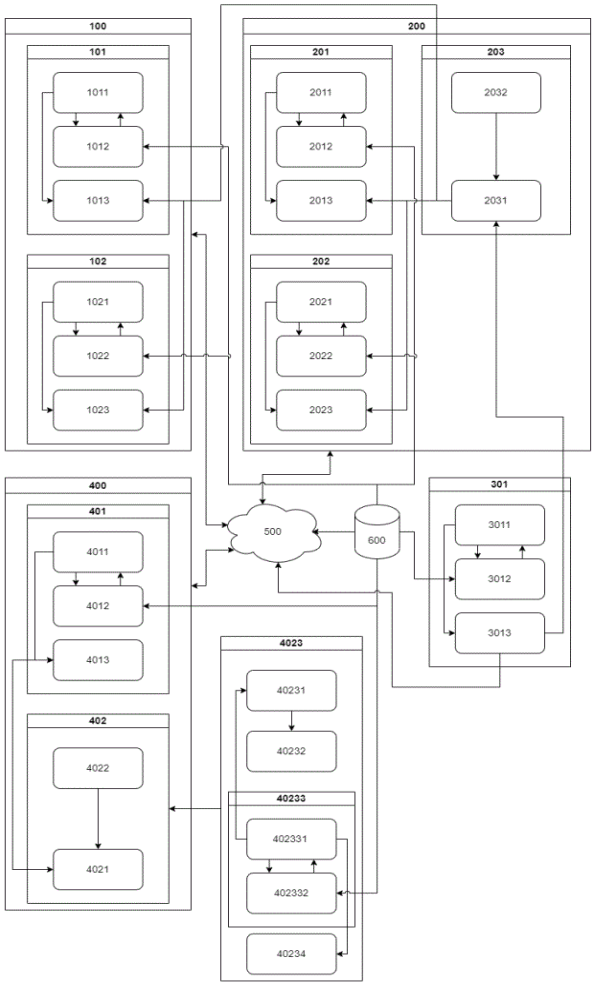


21: 2025/04444. 22: 2025/05/26. 43: 2026/02/02
51: B62J
71: VOLKOV Artem Maksimovich
72: VOLKOV Artem Maksimovich
33: RU 31: 2024130467 32: 2024-10-10

54: METHOD FOR COLLECTING DATA FOR MACHINE LEARNING

00: -

The technical solution relates to the field of transport, in particular, to auxiliary devices and methods for collecting data for machine learning using vehicles, such as, for example, personal mobility devices (PMD). There is a need to speed up the preparation of data suitable for machine learning and thus reduce the time it takes to prepare machine learning models trained on big data. The technical result achieved by implementing the claimed technical solution, in addition to the implementation of the product and/or method for its intended purpose, is an increase in the speed of preparing data suitable for machine learning, including an increase in the speed of preparing big data that can be used for machine learning. In some aspects, another technical result achieved is also an increase in road safety.

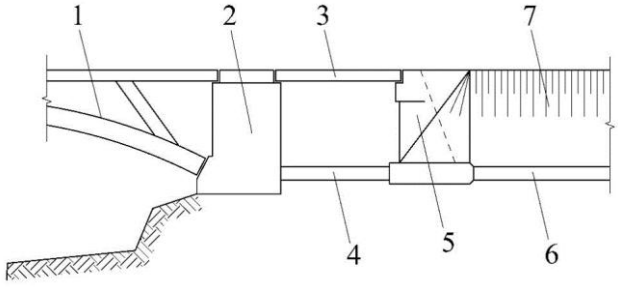


21: 2025/04445. 22: 2025/05/26. 43: 2026/02/02
51: E01D
71: Sichuan Academy of Water Conservancy, China
West Normal University
72: QIN Xin, CHEN Hongkai

54: SUPPORT STRUCTURE AND METHOD FOR REDUCING LOAD ON ARCH BRIDGE ABUTMENT

00: -

The present invention relates to the technical field of bridge structure safety, in particular to a support structure and method for reducing load on arch bridge abutments. The structure includes a support assembly, one end of the support assembly is fixedly connected to the abutment, and the other end is fixedly connected to a gravity retaining wall. The end of the abutment away from the support assembly is fixedly connected to the arch bridge. The lower part of the end of the gravity retaining wall away from the support assembly is fixedly connected to a blocking plate, the top surface of the blocking plate is filled with an embankment, and the bottom surface is placed on the foundation soil. The support assembly includes an approach bridge and a support beam arranged between the abutment and the gravity retaining wall. By eliminating the traditional practice of backfilling soil behind the abutment and arranging a support beam at the heel of the abutment, which is embedded in the structure of the gravity retaining wall, the invention effectively eliminates the earth pressure generated by traditional backfill soil, resolves safety hazards such as overturning and sliding failure of the abutment, and transfers the thrust of the arch bridge to the rear gravity retaining wall through the support beam.

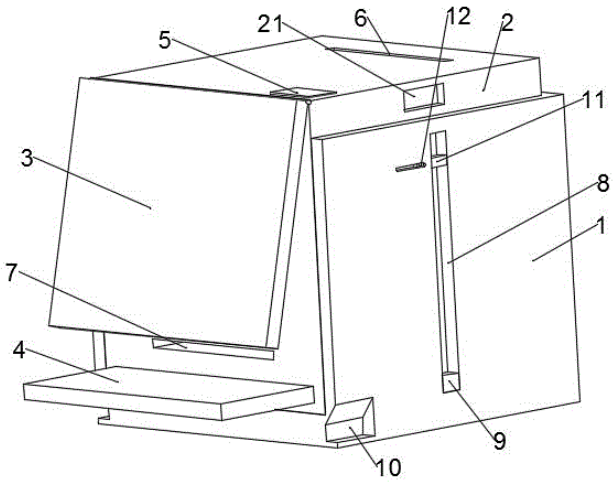


21: 2025/04446. 22: 2025/05/26. 43: 2026/02/02
51: G06Q
71: Henan University of Urban Construction
72: WANG Yongjun

54: PORTABLE INTELLIGENT INFORMATION ALL-IN-ONE MACHINE FOR PUBLIC INTEREST LITIGATION SERVICES

00: -

The present invention belongs to the technical field of information all-in-one machines and provides a portable intelligent information all-in-one machine for public interest litigation services. The machine includes a main body, one side of which is equipped with a screen and a pull-out keyboard tray for placing a keyboard. The top of the screen is hinged to the top of the side wall of the main body, and hand grooves are respectively provided on two opposite side walls of the main body. A lifting assembly includes an outer frame with an opening on one side, where the screen and the pull-out keyboard tray are arranged corresponding to the opening. The main body is vertically slidably connected within the outer frame. Two opposite side walls of the outer frame are respectively provided with vertical sliding channels, and two opposite side walls of the main body are respectively fixed with support blocks that slide within the sliding channels. When the main body is in a low position, the support blocks are connected to the bottom of the sliding channels via a locking unit. When the main body is in a high position, the support blocks are fixed at the top of the sliding channels via a support unit. The information all-in-one machine of the present invention is compact in size, easy to carry, and convenient to deploy.

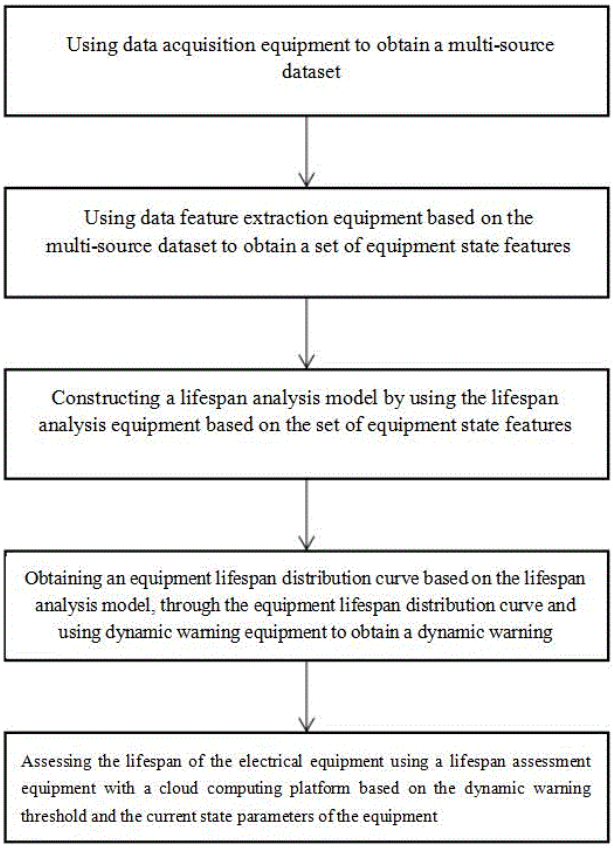


21: 2025/04448. 22: 2025/05/26. 43: 2026/02/02
51: C04B

71: Fujian Huarong Construction Group Co., Ltd, Sanming University, Haixia Construction Group Co., Ltd, Fujian Deyao Construction Co., Ltd, Huahui Construction Group Co., Ltd
72: LU, Jian, LIU, Jifeng, ZHANG, Huizhi, YANG, Miao, LIN, Xin, QIU, Chunlong, LIN, Shengyuan
54: A RAPID-SETTING GEOPOLYMER CONCRETE AND ITS PREPARATION METHOD
00: -
The present invention provides a rapid-setting geopolymer concrete and its preparation method, belonging to the field of building materials. The rapid-setting geopolymer concrete comprises the following components in parts by weight: 100 parts of cementitious material, 200-215 parts of coarse aggregate, 105-115 parts of medium-coarse sand, 15.5-20 parts of water, 8-45 parts of activator, 1-3 parts of steel fibers, and 10-20 parts of water-retaining agent. This invention achieves synergistic green utilization of multi-source solid wastes through comprehensive utilization of metal tailings, slag, silica fume, fly ash, and fibers, effectively avoiding high energy consumption and excessive CO2 emissions caused by cement clinker use. The prepared concrete demonstrates rapid setting and hardening, high early strength, while solving existing issues of shrinkage, cracking, delamination, and excessive brittleness in conventional geopolymer rapid-repair materials.

21: 2025/04449. 22: 2025/05/26. 43: 2026/02/02
51: C04B
71: Sanming University, Fujian Huarong Construction Group Co., Ltd, Henan Polytechnic University, Huahui Construction Group Co., Ltd
72: LU, Jian, LIU, Jifeng, ZHU, Jianping, YANG, Miao, ZHANG, Huizhi, LIN, Shengyuan, YANG, Guangyu
54: A MULTI-SOURCE SOLID WASTE-BASED LIGHTWEIGHT GEOPOLYMER CONCRETE, PREPARATION METHOD, AND APPLICATIONS
00: -
The invention provides a multi-source solid waste-based lightweight geopolymer concrete, belonging to the field of building materials. The concrete comprises the following components by mass fraction: 100 parts of geopolymer cement, 210–250 parts of ceramsite, 205–255 parts of fine aggregate, 25–30 parts of water, 38–45 parts of alkali activator, 8–10 parts of acidic paper pulp waste liquid, 5–10 parts of fibers, and 3–5 parts of plasticizer. By synergistically utilizing industrial and agricultural solid wastes such as lead-zinc tailings, cement kiln dust, feldspar, slag soil, fly ash, and acidic paper pulp waste liquid, the invention achieves collaborative green utilization of multi-source solid wastes. It effectively avoids issues such as high energy consumption, significant CO2 emissions, and consumption of land resources caused by the use of cement clinker and clay ceramsite.

21: 2025/04450. 22: 2025/05/26. 43: 2026/02/02
51: G01M
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, Fujian Yueshan Energy Technology Co., Ltd.
72: PANG Kaige, NIU Zhehui, LOU Tong, DENG Lifeng, DENG Zihan, LEI Zuozhao, ZHONG Zhiguang, PANG Binbin
54: METHOD FOR ASSESSING LIFESPAN OF ELECTRICAL EQUIPMENT BASED ON CLOUD COMPUTING
00: -
The present invention discloses a method and a device for assessing the lifespan of electrical equipment based on cloud computing, including: using data acquisition equipment to obtain a multi-source dataset; using data feature extraction equipment based on the multi-source dataset to obtain a set of equipment state features; constructing a lifespan analysis model by using the lifespan analysis equipment based on the set of equipment state features, wherein the lifespan analysis model is trained using historical operational data and fault record data; obtaining an equipment lifespan distribution curve based on the lifespan analysis model, determining the probability of equipment failure through the equipment lifespan distribution curve, and using dynamic warning equipment to obtain a dynamic warning threshold; and acquiring current state parameters of the equipment from real-time operational data, and assessing the lifespan of the electrical equipment using a lifespan assessment equipment with a cloud computing platform based on the dynamic warning threshold and the current state parameters of the equipment. The invention comprehensively analyzes various types of data during the operation of electrical equipment, predicts the remaining lifespan of the equipment.

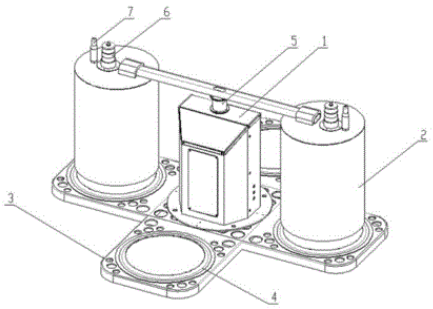


21: 2025/04451. 22: 2025/05/26. 43: 2026/02/02
51: G01N
71: Inner Mongolia Academy of Agricultural And Animal Husbandry Sciences
72: YIN, Guomei, CHANG, Hong, LIU, Xinchao, LIU, Sibo, HAO, Jie, YE, Ruhan, ZHANG, Pujin, WEN, Chao, TIAN, Yanjun, BAO, Longshan, SI, Qin, HUO, Zihua, XU, Jiayi, WANG, Feng, DI, Caixia, WANG, Haiming, JIN, Caixia, ZHANG, Lihua, ZHAO, Yiwen, TIAN, Ye, PAN, Dong, LI, Liyun, GAO, Liqin, WANG, Kang

54: IN-SITU AUTOMATIC MONITORING APPARATUS FOR GRASSLAND CARBON FLUX, AND MONITORING METHOD

00: -

Disclosed are an in-situ automatic monitoring apparatus for grassland carbon flux, and a monitoring method. The monitoring apparatus includes a traveling device, where a motion control cabinet is mounted on the traveling device, an electric rotating disc is mounted in the motion control cabinet, a lifting supporting plate is mounted at the electric rotating disc, several lifting telescopic devices are mounted at the lifting supporting plate, and telescopic ends of all the lifting telescopic devices are connected to a lifting top plate. A connecting column is fixed on the lifting top plate, the connecting column is connected to a connecting beam, two ends of the connecting beam each are connected to a sealing gas hood, and a carbon dioxide concentration sensor and a temperature sensor are mounted on each sealing gas hood. A control device is mounted in the motion control cabinet.



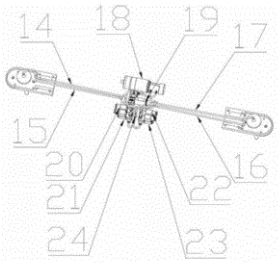
21: 2025/04452. 22: 2025/05/26. 43: 2026/02/02
51: G01N
71: Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences
72: CHANG, Hong, YIN, Guomei, LIU, Xinchao, YE, Ruhan, ZHANG, Pujin, LIU, Sibo, WEN, Chao, HAO, Jie, TIAN, Yanjun, BAO, Longshan, SI, Qin, HUO, Zihua, XU, Jiayi, WANG, Feng, DI, Caixia, WANG, Haiming, JIN, Caixia, ZHANG, Lihua, ZHAO, Yiwen, TIAN, Ye, PAN, Dong, LI, Liyun, GAO, Liqin, WANG, Kang, ZHANG, Haiying

54: GAS-EXTRACTING IN-SITU AUTOMATIC MONITORING APPARATUS FOR GRASSLAND CARBON FLUX, AND MONITORING METHOD

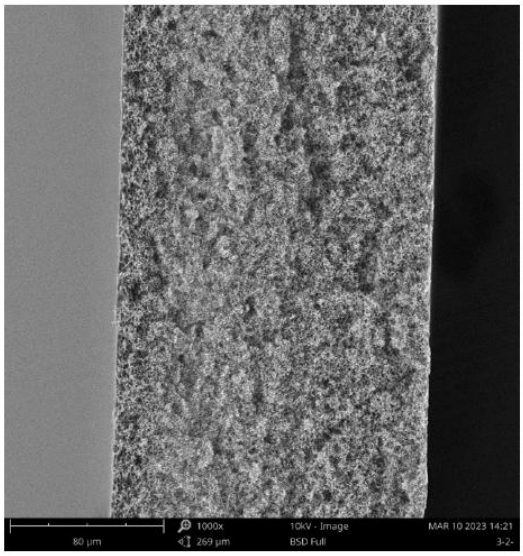
00: -

Disclosed are a gas-extracting in-situ automatic monitoring apparatus for grassland carbon flux, and a monitoring method. The monitoring apparatus includes a transparent gas hood, a non-transparent gas hood and a cross bar, where a bright chamber gas path filter, a bright chamber gas input nozzle and a bright chamber gas output nozzle are arranged at the first end of the cross bar, and a dark chamber gas path filter, a dark chamber gas input nozzle and a dark chamber gas output nozzle are arranged at the second end of the cross bar. A flow-through carbon dioxide sensor, a gas pump, a bright chamber gas input path solenoid valve, a dark chamber gas input path solenoid valve, a bright chamber gas output path solenoid valve and a dark

chamber gas output path solenoid valve are arranged in a middle of the cross bar..

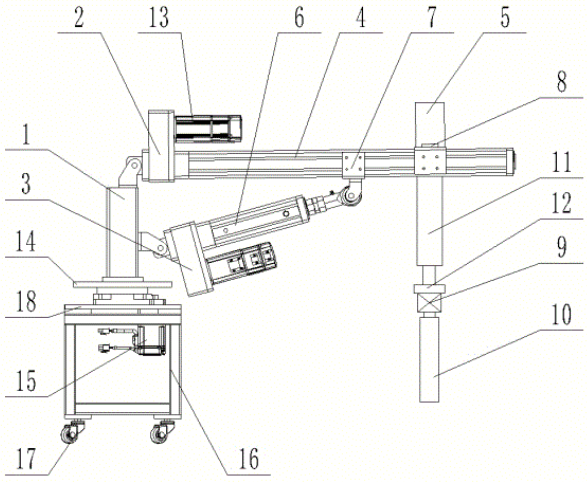


21: 2025/04457. 22: 2025/05/26. 43: 2026/02/06
51: B01D
71: Suntar Membrane Technology (Xiamen) Co., Ltd
72: CHEN, Huiying, HONG, Yubin, FANG, Fulin, HUANG, Liulian, LAN, Weiguang, LIU, Fei, WANG, Yuzhou, YANG, Sen, ZHENG, Zheng
33: CN 31: 202411399435.8 32: 2024-10-09
54: CELLULOSE NANOFILTRATION MEMBRANE AND ITS PREPARING METHOD
00: -
Method for preparing cellulose nanofiltration base membrane comprises the following steps: (1) lithium chloride and dimethylacetamide are mixed, heated to 150-160°C, and cellulose pulp is added after lithium chloride is fully dissolved, and dissolved and stirred at 150-160°C to form a uniform first sol; (2) dimethylacetamide and RO water are mixed, heated to 60-80°C, and cellulose acetate is added, dissolved and stirred at 60-80°C to form a uniform second sol; (3) the first sol is cooled to 60-80°C, poured into the second sol and continued to be stirred to form a uniform third sol, and a casting liquid is obtained after degassing; (4) the casting liquid is coated on a polyester fiber non-woven fabric, immersed in a coagulation bath to form a gel film, and then immersed in RO water at room temperature for 40-50 hours to obtain the cellulose nanofiltration base membrane.

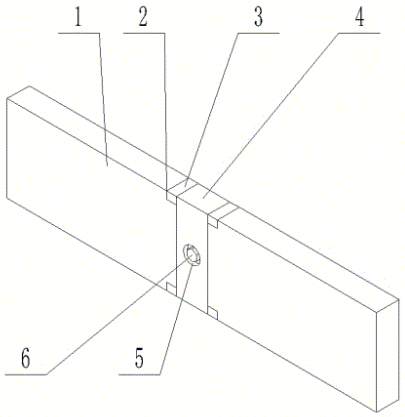


21: 2025/04491. 22: 2025/05/27. 43: 2026/02/04
51: G01N
71: Chengdu Vocational & Technical College of Industry, Sichuan Provincial Highway Planning, Survey, Design and Research Institute Co., Ltd, Southwest Jiaotong University
72: Xiao Dong, Huang Rui, Cao Yong, Zhou Chunping, Chen Shuang, Wen Lina, Li Bing, Guan Xu, Zha Yan, Lu Xiaoyu, Pan Sheng, Feng Yan, Liu Xuemin, Liu Rui, Liu Wei
33: CN 31: 2025105360139 32: 2025-04-27
54: A GEOTECHNICAL DETECTION DEVICE FOR GEOLOGICAL EXPLORATION OF DEBRIS FLOW DISASTERS
00: -
The invention discloses a geotechnical detection device for geological investigation of debris flow disasters, comprising a mobile frame, upright post, sleeve, lead screw assembly, electric push rod, and sampling mechanism. An electric turntable assembly is mounted on the mobile frame. The upright post is mounted on the electric turntable assembly, with a first connecting seat hinged to the top of the upright post and a second connecting seat hinged to the side wall of the upright post. The sleeve is transversely mounted on the side wall of the first connecting seat, and a sliding groove is formed on the top surface of the sleeve. The lead screw assembly is installed inside the sleeve, and a bearing seat is mounted on the movable end of the lead screw assembly. One end of the electric push rod is mounted on the second connecting seat, while the other end is hinged to a sliding block, which is

slidably connected to the bottom of the sleeve. The sampling mechanism includes a hydraulic lifting assembly and a drill barrel assembly. The invention enables the position and orientation of the sampling mechanism to be adjusted in all directions and at multiple angles according to the actual terrain and sampling requirements, ensuring geotechnical sampling is conducted in a state perpendicular to the ground, thereby improving work efficiency.

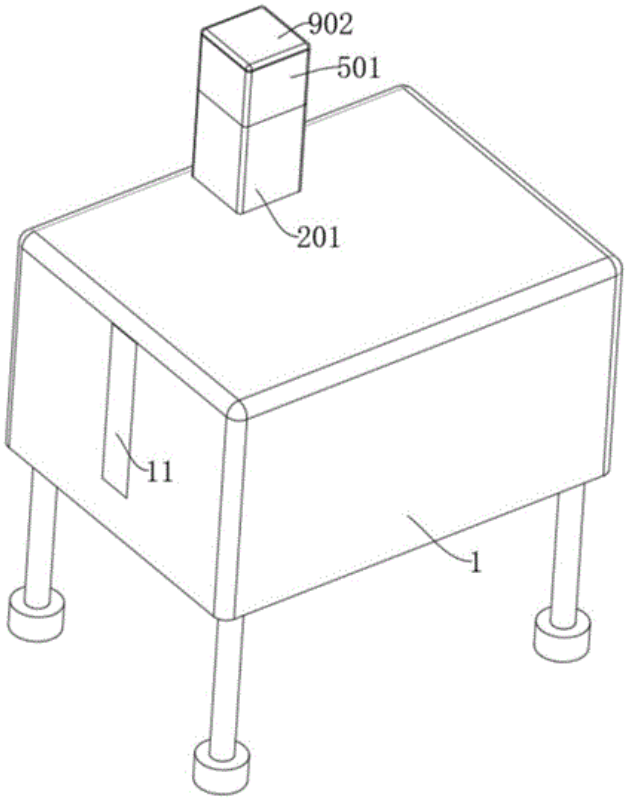


21: 2025/04492. 22: 2025/05/27. 43: 2026/02/03
51: G06F
71: Anhui Water Conservancy Technical College
72: HE Fang, XIE Ying, PAN Zucong, GUO Mengmeng, YU Wenjing, CHEN Wei, LI Jian
54: ASSEMBLED CONNECTION STRUCTURE BASED ON BIM
00: -
The present invention discloses an assembled connection structure based on BIM, which pertains to the technical field of prefabricated construction. The structure includes a connection block, where both sides of the connection block are detachably connected to wall panels respectively. Both sides of the connection block are fixedly connected with insertion blocks that extend into the wall panels. Each insertion block is internally provided with a sliding assembly that extends out of the insertion block and is detachably connected to the wall panel. The connection block is internally provided with a driving mechanism, both sides of which are in contact with connection assemblies that are transmission-connected to the sliding assembly. The present invention achieves detachable connections between the connection block and wall panels on both sides through the insertion blocks extending into the wall panels and further detachably connecting with the wall panels via the sliding assembly. Meanwhile, the driving mechanism inside the connection block transmission-connects with the sliding assembly through the connection assemblies, realizing convenient and flexible prefabricated connections between the wall panels and connection block. This facilitates easy disassembly, assembly and replacement, improves construction efficiency, and provides a reliable connection method for assembled buildings based on BIM, contributing to the integration and management of building information.



21: 2025/04493. 22: 2025/05/27. 43: 2026/02/03
51: C05F
71: CRRC Env. Sci. & Tech. Co., Ltd.
72: Hongrui CHEN, Luke Wang, Tianfu LIU, Zhenhai XU, Su LIU, Qiuju YU, Yiyi CAO
33: CN 31: 202410995720.X 32: 2024-07-24
54: LOW-TEMPERATURE FERMENTATION DEVICE FOR STATIC COMPOSTING OF SOLID MANURE
00: -
The present invention discloses a low-temperature fermentation device for static composting of solid manure, belonging to the technical field of solid manure processing. The low-temperature fermentation device includes a low-temperature fermentation tank, and further includes an exhaust assembly, where the exhaust assembly includes an exhaust block fixedly installed on a top wall of the low-temperature fermentation tank, an exhaust port is formed in the exhaust block, a communicating port in communication with the exhaust port is formed in a top wall of the exhaust block, the communicating

port has a diameter greater than that of the exhaust port, and a first communicating hole in communication with the exhaust port is formed in the low-temperature fermentation tank. According to this solution, as the sealing plate is arranged, when pressure intensity inside the low-temperature fermentation tank increases, the sealing plate is driven to move upwards; and with upward movement, the sealing plate gradually disengages from contact with the exhaust port, and at this time, gas inside the low-temperature fermentation tank can be discharged to the outside. Moreover, after the sealing plate disengages from contact with the exhaust port, the sealing plate can be fixed by the first connecting rod, thereby ensuring that the low-temperature fermentation tank relieves pressure normally, i.e., the low-temperature fermentation tank can discharge gas and relieve pressure by itself without external driving, which improves safety of the fermentation device.

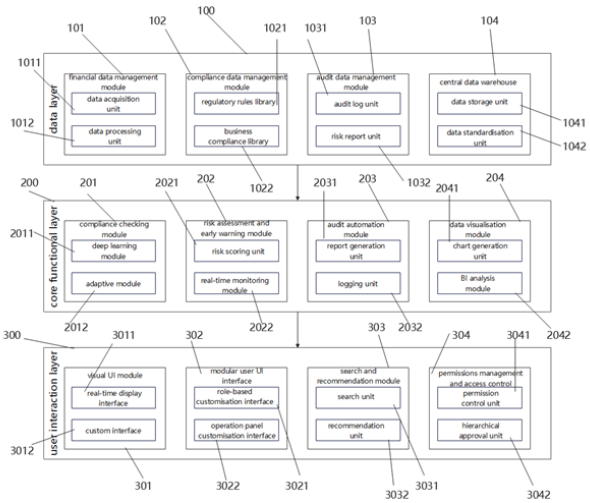


21: 2025/04494. 22: 2025/05/27. 43: 2026/02/03
51: G06F; G06Q
71: HAOJING COLLEGE OF SHAANXI UNIVERSITY OF SCIENCE & TECHNOLOGY
72: LI ANG

54: AN INTEGRATED AUDIT MANAGEMENT SYSTEM FOR FINANCIAL AND COMPLIANCE REPORTING

00: -

The present invention relates to an integrated audit management system for financial and compliance reporting. The system comprises: a data layer configured to collect, store and manage key data associated with finance, compliance and auditing, ensuring consistency and availability of such data; a core functional layer configured to perform data processing, risk analysis and/or compliance checking based on the key data; and a user interaction layer configured to provide a visual interface for enabling user interaction and system management functionalities. The system facilitates improved efficiency in data management, optimised compliance audit procedures, and enhanced user experience, thereby enabling financial, audit and compliance personnel to conduct compliance audit analysis with improved speed and accuracy.



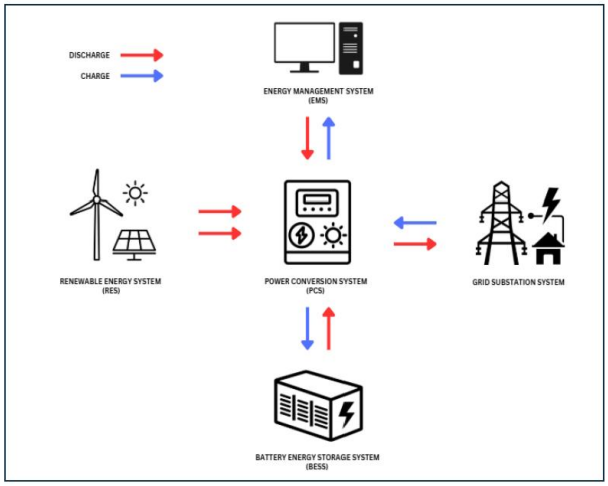
21: 2025/04495. 22: 2025/05/27. 43: 2026/01/22
51: H02J
71: BLUE POT HOLDINGS (PTY) LTD
72: MARALACK, Lourens Phillip Edward, LABUSCHAGNE, Jean, LOUBSER, Jacques Bjorn, BENEKE, John Raymond
33: ZA 31: 2024/01693 32: 2024-02-28

54: MASS ELECTRICITY DEMAND MANAGEMENT SYSTEM AND METHOD

00: -

There is disclosed a mass electricity demand management system including a power conversion system which is connected to an energy management system configured to control the power

conversion system, a renewable energy system, an energy storage system, and a grid interface which is connected to a group of consumers and a electricity generator; with the energy management system configured to control the supply of electricity to the consumers between the electricity generator and the power conversion system for the cost to be charged by an operator of the system to the consumers for being supplied with electricity from the power conversion system during the peak period to not exceed the peak rate of the electricity generator.

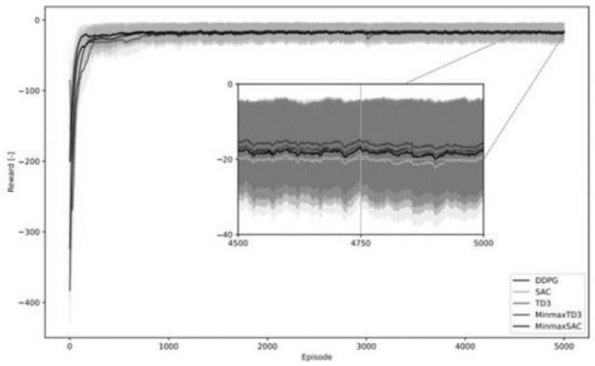


21: 2025/04496. 22: 2025/05/27. 43: 2026/02/03
51: H04B
71: Liaoning Petrochemical University
72: SHI, Yuanbo, CHAO, Weipeng, HUANG, Yueyang, LI, Yushuai

54: BIAS ESTIMATION CONTROL METHOD BASED ON IMPROVED MINMAX MECHANISM

00: -

The present invention provides a bias estimation control method based on an improved minmax mechanism. Through the power scheduling experiment, the scheduling capability of the improved TD3 algorithm is verified, and the scheduling model can make optimal scheduling decisions based on the state. The scheduling results of the present application show that the scheduling decisions made for the test set states achieve the expected consumption cost and power income.

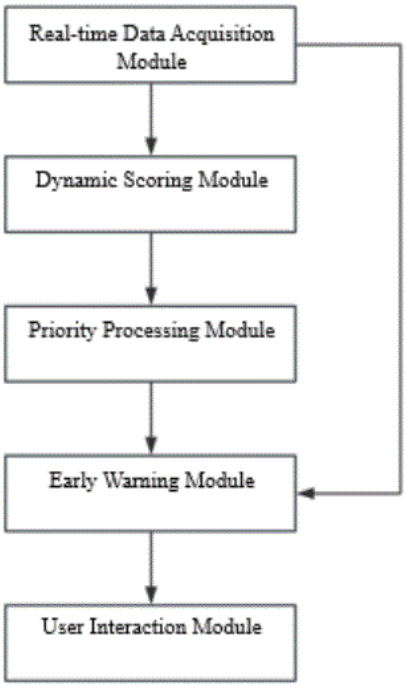


21: 2025/04497. 22: 2025/05/27. 43: 2026/02/03
51: G07G
71: Henan University of Urban Construction
72: Dayong WANG, Xiaoyong GU, Yuzhe SHEN, Liming ZHANG, Yuantao WANG

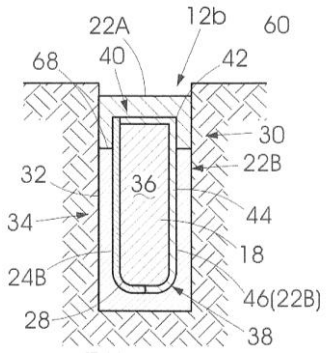
54: TRAFFIC FLOW PLANNING EARLY WARNING SYSTEM

00: -

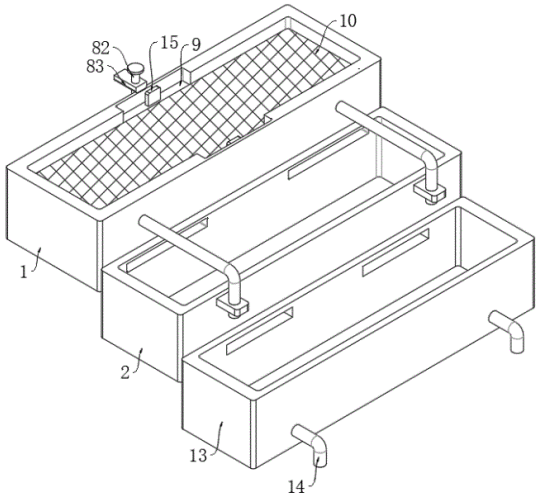
This application pertains to the field of traffic planning and discloses a traffic flow planning early warning system, which includes a real-time data collection module. The real-time data collection module is equipped with multi-dimensional sensors to acquire real-time data on traffic flow and average vehicle speed, and transmits the collected data to the dynamic scoring module and the early warning processing module. The real-time data collection module is connected to the dynamic scoring module, which receives the information collected by the real-time data collection module, integrates the information into an algorithm to score the current road priority, and transmits the final scoring information to the priority processing module. This invention scientifically classifies roads based on the preset scoring levels of the priority processing module. During peak hours, when information processing is frequent or overloaded, the warning processing module prioritizes responding to warning information for high-level roads while caching data for low-level roads. This significantly enhances the efficiency of traffic flow planning during peak hours.



21: 2025/04498. 22: 2025/05/27. 43: 2026/02/03
51: F42D
71: VISSER, Christiaan Pieter;
72: VISSER, Christiaan Pieter, VAN DER WALT, Herman
33: ZA 31: 2024/04157 32: 2024-05-28
54: DEFLECTOR
00: -
A deflective barrier which is configured to be loaded into a borehole and which comprises an elongate flexible sleeve which has a body which defines a volume, a first closed end, and an open second end with a mouth for loading an explosive material into the volume, and wherein the body includes a first inner layer and a second outer layer in the form of a deflector which comprises a carrier in the form of a hydrophilic material and a dilatant fluid which has been applied at least on a portion of the carrier, such that when the explosive material is ignited, the resulting shockwave is directed away from the portion of the carrier on which the dilatant fluid has been applied, and a method of using said deflective barrier.



21: 2025/04499. 22: 2025/05/27. 43: 2026/02/03
51: E01C
71: Henan University of Urban Construction
72: Junkui PAN, Weili CHEN, Guanghua CHEN, Mingyang REN, Guoping HU, Sangtian HU, Mingyu LI, Zimo LIU, Xinke ZHANG
54: STEPPED BIORETENTION DEVICE FOR HIGHWAY PAVEMENT RUNOFF
00: -
This invention pertains to the field of bioretention technology and discloses a stepped bioretention device for highway pavement runoff, comprising a sedimentation tank. The side wall of the sedimentation tank is fixedly connected to a first-stage bioretention pool, the side wall of the first-stage bioretention pool is fixedly connected to a second-stage bioretention pool, and the side wall of the second-stage bioretention pool is connected to a drainage pipe. A fixing block is inserted into the inner bottom of the sedimentation tank, and a disassembly assembly is arranged inside the fixing block. In this invention, the setup of the connecting frame, first filter plate, second filter plate, third filter plate, protrusions, servo motor, rotating rod, and rotating plate achieves a multi-layered filtration and sedimentation effect for impurities washed by rainwater. This prevents certain impurities from being carried away by rainwater before sedimentation occurs, which would lead to direct discharge and pollution of water resources along the route. This arrangement is beneficial for enhancing the cleanliness of the water discharge process.

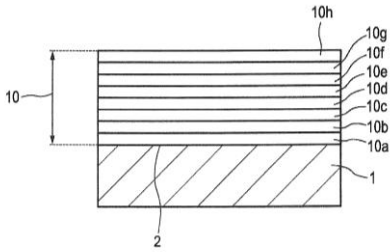


21: 2025/04500. 22: 2025/05/27. 43: 2026/02/03
51: A61B; A61C; A61L
71: AESCULAP AG, IHI IONBOND AG
72: DOHM, Julius, RICHTER, Berna, GRUPP, Thomas, SCHMIDT, Susann, SANTANA, Antonio
33: EP 31: 24178830.6 32: 2024-05-29

54: PROCESS FOR COATING AN IMPLANT AND AN IMPLANT HAVING A CERAMIC MULTI-LAYER COATING

00: -

The invention relates to a process for coating an implant comprising the step of depositing a ceramic multi-layer coating on a surface of the implant via pulsed magnetron sputtering. Further, the invention refers to an implant having a ceramic multi-layer coating.

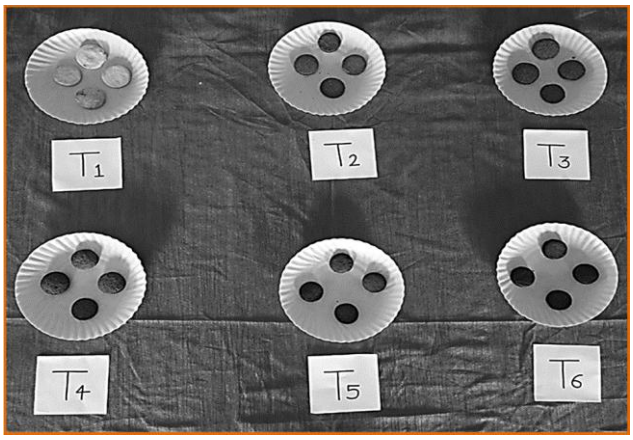


21: 2025/04502. 22: 2025/05/27. 43: 2026/02/03
51: A23L
71: LOHAKARE, Anshul S., GAVIT, Urvashi R., KHANDARE, Vishwanath S, JOSHI, Anuprita A., KALALBANDI, Baslingappa M., BARKULE, Santosh R., JAGTAP, Gajendra P.
72: LOHAKARE, Anshul S., GAVIT, Urvashi R., KHANDARE, Vishwanath S, JOSHI, Anuprita A., KALALBANDI, Baslingappa M., BARKULE, Santosh R., JAGTAP, Gajendra P.

54: A NUTRIENT RICH JAMUN MILLET COMPOSITE COOKIES FORMULATION

00: -

The present invention is related to a nutrient rich jamun millet composite cookies formulation using 1000 g of finger millet flour, 250 g of jamun seed powder, 500 g of stevia powder, a small quantity of fat, and a pinch of baking soda and baking powder are thoroughly mixed with 500 g of jamun fruit pulp to form a homogeneous dough. This gluten-free, diabetic-friendly cookie is rich in antioxidants, polyphenols, fiber, and essential minerals. The process involves drying and grinding jamun seeds, extracting jamun pulp, mixing ingredients, dough preparation, shaping, and controlled baking at 160°C for 15 minutes to retain bioactive compounds. The cookies exhibit high antioxidant activity (47.24%), total phenols (7.13 mg GAE/100 g), iron (6.70 g/100 g), and calcium (0.78 g/100 g), making them a functional food for health-conscious consumers. Sensory analysis confirms high acceptability in color, taste, and texture, with an extended shelf life of 90 days.



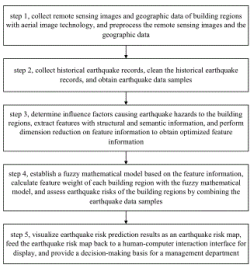
21: 2025/04531. 22: 2025/05/28. 43: 2026/02/03
51: G06F
71: Henan University of Urban Construction
72: LI, Deying, CAI, Yujie, HAN, Zongyuan, LI, Qiuhong, CAI, Jing, ZHANG, Yao, LI, Yajie, HU, Sumin

54: METHOD FOR EXTRACTING BUILDING REGION STRUCTURE FEATURES AND PREDICTING EARTHQUAKE DAMAGE BASED ON FUZZY MATHEMATICS

00: -

Disclosed is a method for extracting building region structure features and predicting earthquake damage based on fuzzy mathematics. The present

invention solves the problem of uncertainty and fuzziness of existing earthquake damage assessment factors, and by performing dimension reduction and simplification on initial features of building regions, a fuzzy mathematical model more accurately reflects the influence degree of an earthquake disaster. The fuzzy mathematical model is established according to feature information, and earthquake damage prediction results are combined with earthquake data samples, such that earthquake risks of the building regions are assessed. A decision-making basis is provided for a management department based on assessment results, such that effective assistance is brought to earthquake disaster prevention and mitigation work.

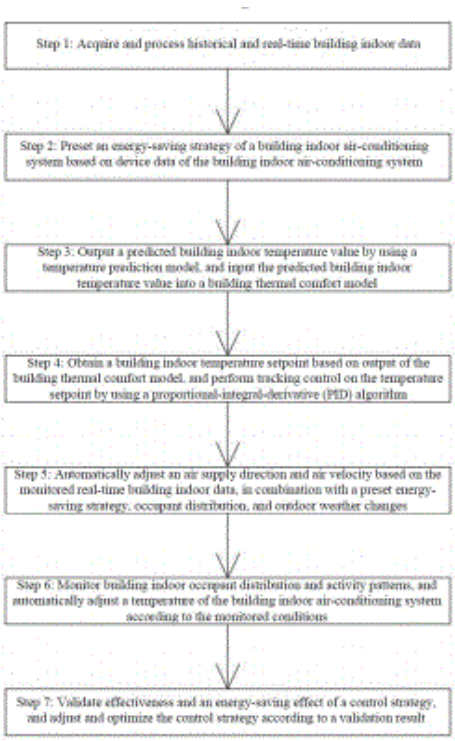


21: 2025/04532. 22: 2025/05/28. 43: 2026/02/03
51: G05D
71: Henan University of Urban Construction
72: CAI, Yujie, LI, Deying, LI, Yajie, XU, Huafeng, HU, Sumin, LIU, Yuxiao

54: BUILDING THERMAL COMFORT MODEL PREDICTIVE CONTROL METHOD AND SYSTEM

00: -

Disclosed are a building thermal comfort model predictive control method and system. The method includes: step 1: acquiring historical and real-time building indoor data; step 2: constructing a temperature prediction model; step 3: outputting a predicted building indoor temperature value; step 4: constructing a building thermal comfort model; step 5: inputting the predicted building indoor temperature value obtained through prediction into the building thermal comfort model; and step 6: correspondingly setting and adjusting a building air conditioning. By constructing the building thermal comfort model and utilizing a building indoor auto-control system, the present invention solves a problem that an air-conditioning system may start or adjust an operating state frequently, resulting in an increase in unnecessary energy consumption in the prior art. The present invention can adjust indoor environmental parameters timely, achieve precise control, avoid unnecessary energy waste, and achieve saving energy and reducing consumption.



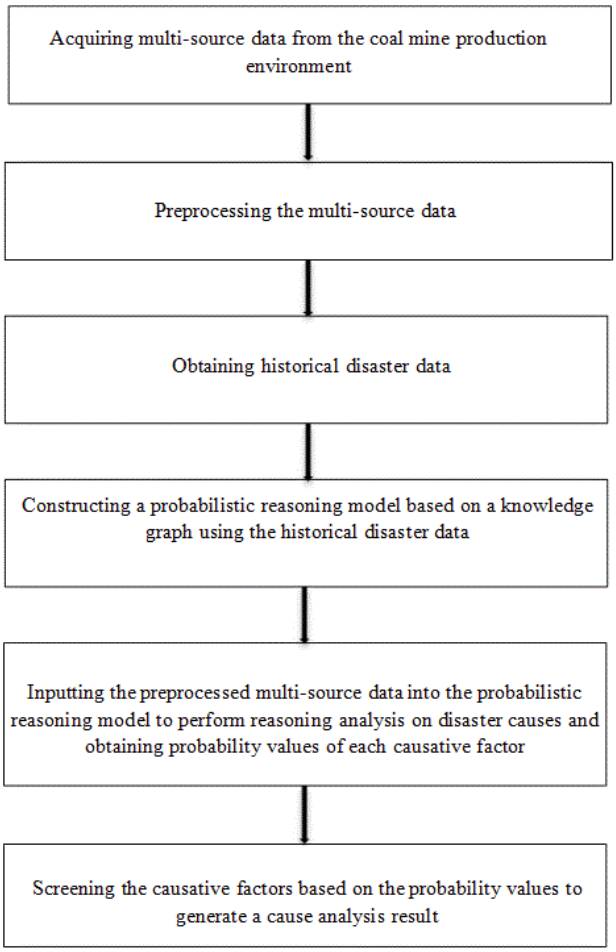
21: 2025/04533. 22: 2025/05/28. 43: 2026/02/03
51: G06Q
71: National Energy Group Wuhai Energy Co., Ltd, China Coal Technology and Engineering Group Chongqing Research Institute Co. Ltd
72: WANG Zhen, SI Jianjun, ZHANG Yongjiang, WANG Xuebing, LI Mingjian, LI Weiwei, SONG Zhiqiang, ZHAI Erhou, CAI Jiang, TAN Guowen, LIU Hong, DIAO Yong, PU Yang, CUI Junfei, YUE Jun, XU Tengfei, ZHANG Shiling, LIAO Cheng, ZHANG Yixuan, LI Jie, CHEN Sen, HU Wen, TANG Huaqiang

54: METHOD AND DEVICE FOR TRACING CAUSES OF MAJOR COAL MINE DISASTERS

00: -

The present invention discloses a method and a device for tracing causes of major coal mine disasters, comprising: acquiring multi-source data from the coal mine production environment and preprocessing the multi-source data; obtaining historical disaster data and constructing a probabilistic reasoning model based on a knowledge graph using the historical disaster data; inputting the preprocessed multi-source data into the probabilistic

reasoning model to perform reasoning analysis on disaster causes and obtaining probability values of each causative factor; screening the causative factors based on the probability values to generate a cause analysis result. The invention utilizes real-time monitoring data to extract key feature indicators, performs probabilistic reasoning to generate a candidate set of causes, and supports expert verification through a visual interactive interface. Specifically, by combining knowledge graphs with deep learning, the invention achieves intelligent analysis of coal mine disaster causes, providing strong support for safety production decision-making and emergency response, effectively improving coal mine safety management levels.

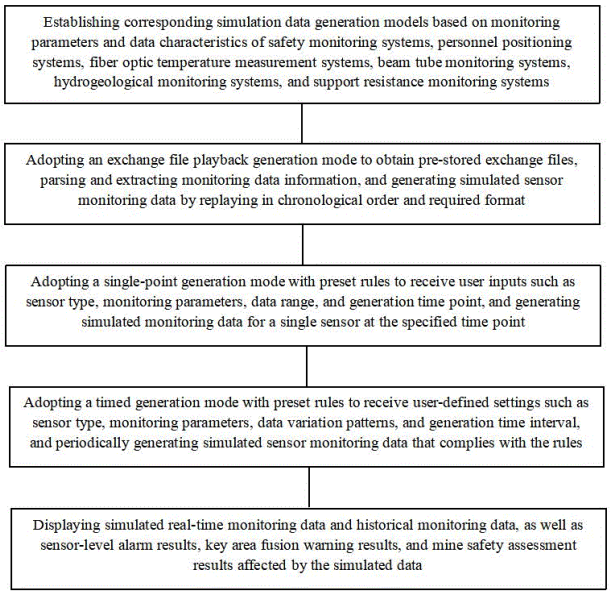


21: 2025/04534. 22: 2025/05/28. 43: 2026/02/03
51: G01N
71: China Coal Technology and Engineering Group Chongqing Research Institute Co. Ltd, National Energy Group Wuhai Energy Co., Ltd
72: WANG Zhen, ZHAO Xusheng, NIU Changsong, LI Mingjian, SHI Yinbin, TAN Guowen, ZHENG Zijun, LIU Hong, ZHANG Guojun, CAI Jiang, SONG Zhiqiang, CUI Junfei, PU Yang, LIN Fujin, ZHAO Yibing, QIN Muguang, CHENG Xiaoyang, CHE Yuheng, LI Jie, ZHONG Yuanhang

54: SIMULATION DATA GENERATION METHOD AND APPARATUS FOR MONITORING AND EARLY WARNING OF MAJOR COAL MINE HAZARDS

00: -

The present invention discloses a simulation data generation method and apparatus for monitoring and early warning of major coal mine hazards. The method comprises: Establishing corresponding simulation data generation models based on monitoring parameters and data characteristics of various monitoring systems; Acquiring pre-stored exchange files, parsing and extracting monitoring data information, and generating simulated sensor monitoring data by replaying in chronological order and required format; Receiving user inputs including sensor type, monitoring parameters, data range, and generation time point, and generating simulated monitoring data for a single sensor at the specified time point; Adopting a timed generation mode with preset rules to receive user-defined settings such as sensor type, monitoring parameters, data variation patterns, and generation time interval, and periodically generating simulated sensor monitoring data that complies with the rules; Displaying simulated real-time monitoring data and historical monitoring data, as well as sensor-level alarm results, key area fusion warning results, and mine safety assessment results affected by the simulated data. The apparatus implements the aforementioned method to support comprehensive simulation and evaluation of coal mine hazard monitoring and early warning systems.

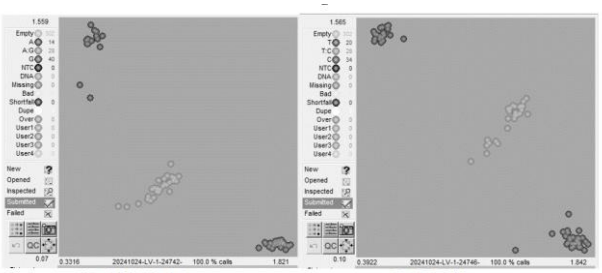


21: 2025/04536. 22: 2025/05/28. 43: 2026/02/03
51: C12Q
71: Xinjiang Agricultural University
72: LIU, Lingling, CAO, Hang, MA, Haiyu, FANG, Chao, LIU, Wujun, CHEN, Bin

54: KIT FOR SCREENING LACTATION YIELD OF JIANGYUE DONKEY AND APPLICATION THEREOF

00: -

Disclosed are a kit for screening a lactation yield of a Jiangyue donkey and an application thereof. The kit for screening a lactation yield of a Jiangyue donkey is prepared by selecting specific single nucleotide polymorphism (SNP) loci of a DNA topoisomerase I mitochondrial (TOP1MT) gene and a developmentally regulated gtp binding protein 2 (DRG2) gene of the Jiangyue donkey as molecular markers and matching a specific primer and a corresponding amplification system, and can accurately perform screening to obtain individuals having a relatively high lactation yield by means of detection, and breed the Jiangyue donkey individuals having the excellent lactation yield according to corresponding genotypes, thereby accelerating a breeding process of the Jiangyue donkey, and promoting further development of donkey industry.



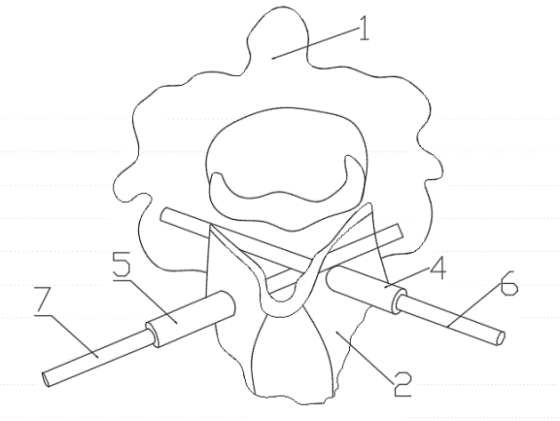
(A) TOP1MT gene (B) DRG2 gene

21: 2025/04537. 22: 2025/05/28. 43: 2026/02/03
51: A61B
71: Quzhou People's Hospital (Quzhou Central Hospital)
72: Yancheng Li, Nana Zhang

54: 3D-PRINTED NAVIGATION TEMPLATE SUITABLE FOR CERVICAL VERTEBRAL LAMINAR SCREW PLACEMENT

00: -

A 3D-printed navigation template suitable for cervical vertebral laminar screw placement, comprising a cervical spine model and a navigation template; the cervical spine model having a spinous process, and an inner side of the navigation template is adapted to the spinous process of the cervical spine model; a first screw placement channel and a second screw placement channel are provided at an upper and lower edges of the navigation template; a first laminar screw is inserted into the first screw placement channel, a second laminar screw is inserted into the second screw placement channel, and the first laminar screw and the second laminar screw are staggered. The invention provides the navigation template with a first laminar screw and a second laminar screw, one side of the laminar screw is close to an upper lamina, while the other side of the laminar screw is close to a lower lamina, avoiding mutual interference between the two sides of the laminar screw, after connecting with the screw slots of an upper and lower vertebral bodies, it provides conditions for the insertion of laminar screws, thereby solving various problems existing in the prior art when using pedicle screw placement; by adopting the above technical solution, the operation is simple and highly safe, avoiding further damage to the bone-soft tissues posterior to the cervical spine.

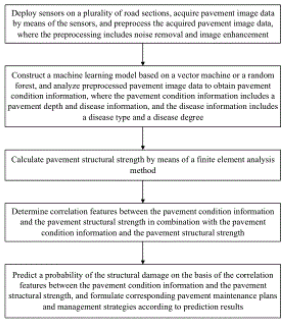


21: 2025/04538. 22: 2025/05/28. 43: 2026/02/03
51: G06F
71: Henan University of Urban Construction
72: CAI, Yujie, LI, Deying, LI, Yajie, XU, Huafeng, CAI, Jing, MU, Jingjing

54: METHOD AND SYSTEM FOR ANALYZING CORRELATION PROBABILITY OF PAVEMENT STRUCTURAL STRENGTH AND STRUCTURAL DAMAGE

00: -

Disclosed are a method and system for analyzing a correlation probability of pavement structural strength and structural damage, which solve the problem of low detection efficiency in the prior art. The present invention acquires, preprocesses and analyzes pavement image data by means of sensors, thereby understand a pavement condition; further calculates the pavement structural strength by means of a finite element analysis method, and determines correlation features between pavement condition information and the pavement structural strength in combination with the pavement condition information and the pavement structural strength, thereby finding key factors affecting the pavement condition, and more accurately predicting changes in the pavement condition advantageously; and predicts a probability of the structural damage on the basis of the correlation features, thereby taking measures in time to prevent accidents from occurring when potential structural damage is found.

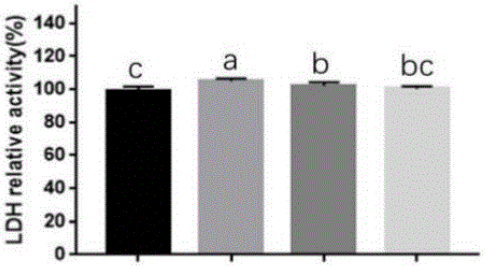


21: 2025/04539. 22: 2025/05/28. 43: 2026/02/03
51: A61K
71: Henan University of Urban Construction
72: HUANG, Weiwei, HONG, Jun, LIU, Chaoqi, WU, Xianchao, HU, Jianye, YAN, Chongye

54: A COMPOUND PROBIOTIC FERMENTATION COMPOSITION FOR PREVENTING AND TREATING EPITHELIAL CELL DAMAGE CAUSED BY MYCOTOXINS AND ITS APPLICATION

00: -

The present invention relates to the technical field of biomedicine, and specifically provides a composition for treating intestinal cell damage caused by mycotoxins and its application. The composition provided by the present invention can effectively alleviate the damage of epithelial cells caused by aflatoxin B1 (AFB1) and zearalenone (ZEA), while maintaining the integrity of the intestinal mucosal epithelial structure and improving the body's immunity.



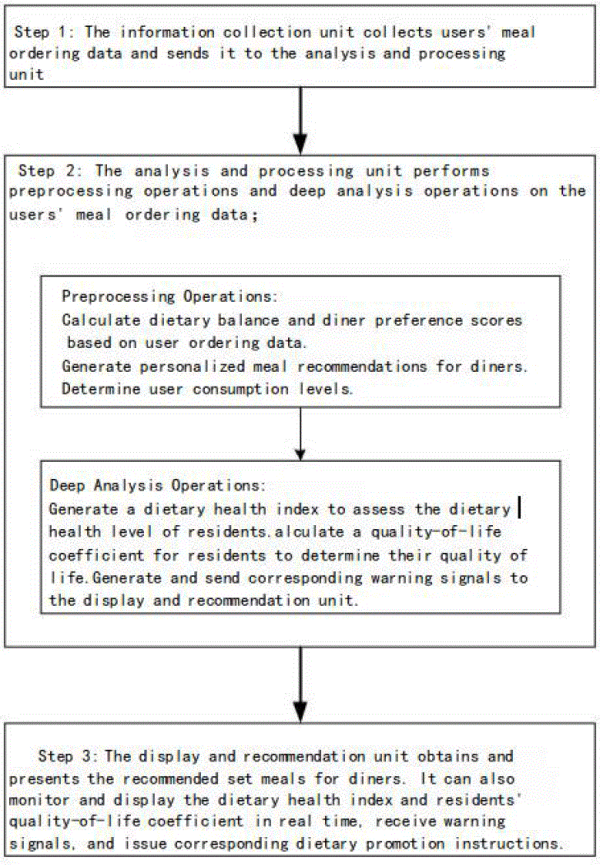
21: 2025/04540. 22: 2025/05/28. 43: 2026/02/03
51: H04L
71: Peach Tech Limited
72: Haoxin Zhang

54: USER INFORMATION SHARING MANAGEMENT METHOD AND SYSTEM BASED ON BIG DATA

00: -

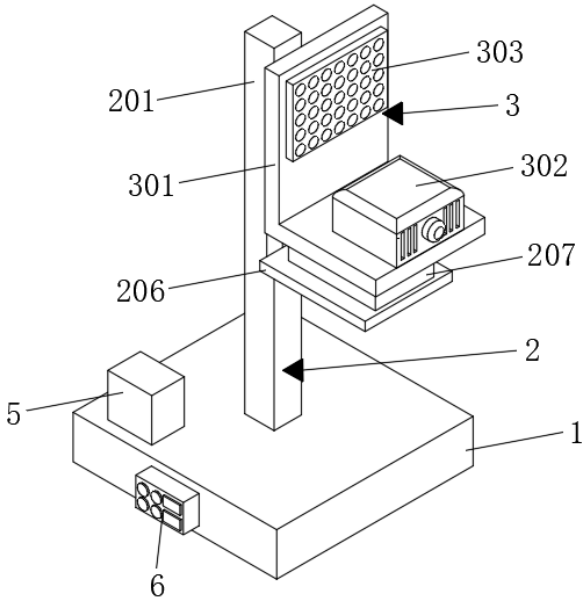
The present invention discloses a user information sharing management method and system based on big data, which relates to the field of big data

technology. The user ordering data is collected by an information collection unit and sent to an analysis and processing unit. Then, the user ordering data is preprocessed and deeply analyzed by the analysis and processing unit. After preliminary analysis and processing of the data, deep analysis is carried out. Through diet related data, the health level of residents' diet is deeply analyzed, and the quality of life of residents in society is analyzed and judged, making the data processing more refined. Corresponding diet promotion instructions are displayed by the recommendation unit, which is convenient for relevant departments to promote healthy diet and provide data reference for the management of residents' quality of life. The data utilization rate is high.



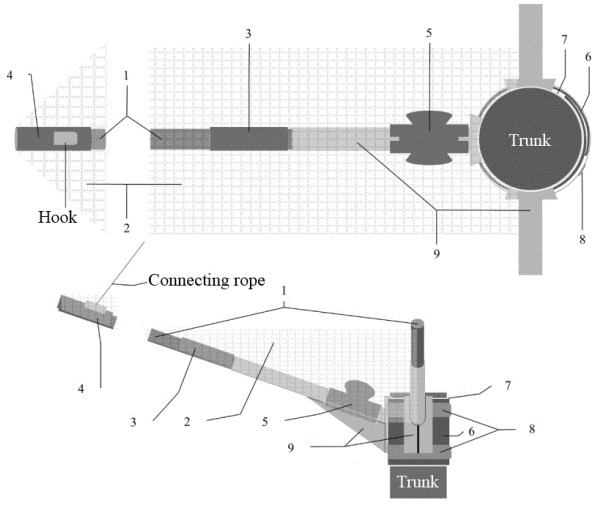
21: 2025/04541. 22: 2025/05/28. 43: 2026/02/03
51: H04N
71: XINYU UNIVERSITY
72: ZHANG, Luping, TIAN, Jianxin, LAN, Luxi, HU, Hao, XIE, Xiaoyong, CHEN, Wenling
54: MOVABLE NEW MEDIA LIVE BROADCAST DEVICE

00: -
Disclosed is a movable new media live broadcast device comprising a base and an adjustable mechanism. The mechanism includes a lifting box fixed to the base, within which a first motor drives a one-way threaded rod to adjust the height of the broadcast module. A second motor enables rotation of the live broadcast unit, allowing directional adjustment of the camera or recording device. The broadcast module integrates supplementary lighting and audio playback for enhanced functionality during live streaming. A moving mechanism is provided, wherein universal wheels are mounted and controlled via an electric push rod. The wheels extend to enable mobility and retract to stabilise the device during operation. The combined structure enables flexible positioning, height adjustment, directional control, and integrated multimedia support. The device improves ease of use and operational efficiency in live broadcast applications, especially in mobile or non-studio environments, thereby enhancing adaptability in new media production scenarios

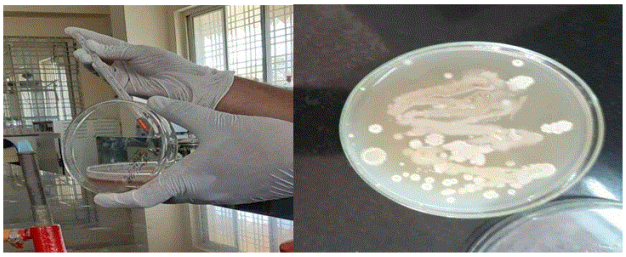


21: 2025/04544. 22: 2025/05/28. 43: 2026/01/27
51: A01D
71: Experimental Center for Subtropical Forestry, Chinese Academy of Forestry
72: YAN Chao, CAO Linqing, TAN Xinjian, ZHONG Qiuping, CHEN Shengtian, Yuan Yaqi, WU Xiaoyu,

LIU Ru, HUANG Hui, WU Huijun, YANG Yue, ZENG Jianfeng, YANG Hong, CAO Xiaoyun, HU Weirong
33: CN 31: 202411050921.9 32: 2024-08-01
54: DEVICE FOR CONVENIENTLY HARVESTING CAMELLIA OLEIFERA FRUITS AND USING METHOD THEREOF
00: -
The present invention provides a device and method for conveniently harvesting Camellia oleifera fruits. The device for conveniently harvesting Camellia oleifera fruits includes a detachable umbrella net and an umbrella net base. The detachable umbrella net includes umbrella ribs, an umbrella surface and umbrella surface buckles; and the umbrella net base includes a fixing base, base cushions, base straps, umbrella rib brackets and umbrella rib bracket sockets. The method for conveniently harvesting Camellia oleifera fruits includes tree pruning measures, mounting and harvesting time determination, device placement and recycling, and Camellia oleifera fruit collection. In the present invention, a collection net is used to collect fallen Camellia oleifera fruits, which improves the harvesting efficiency and reduces the labor cost. Naturally fallen Camellia oleifera fruits are fully mature, and the oil content is significantly improved. The fallen Camellia oleifera fruits do not touch the ground, and the mildew rate is low, which effectively guarantees the quality of Camellia oleifera oil.



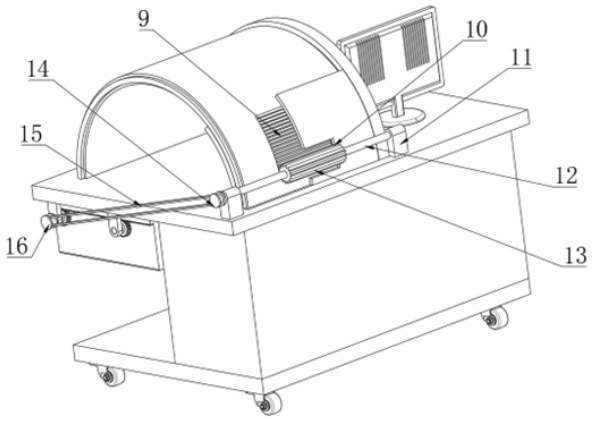
21: 2025/04545. 22: 2025/05/28. 43: 2026/01/27
51: C04B
71: KAKADE, Deepak N., MUNDE, Surekha V., KALE, Chandrashekhar Madhavrao, BABREKAR, Mahesh Kisanrao, DESHMUKH, Suchita Venkatrao
72: KAKADE, Deepak N., MUNDE, Surekha V., KALE, Chandrashekhar Madhavrao, BABREKAR, Mahesh Kisanrao, DESHMUKH, Suchita Venkatrao
54: A METHOD FOR ENHANCING DURABILITY OF CONCRETE
00: -
The present invention relates to a method for enhancing durability of concrete. Concrete is the most widely used material for construction. The reason for its wide usage is its low cost for materials and construction. Concrete material has a large load-bearing capacity for compression load, but the material is weak in tension so to reduce this drawback steel reinforcement is provided, as steel bars take over the tensile load forming a stronger material with more durable and high strength. However due to reasons like freeze-thaw reactions, shrinkage, the low tensile strength of concrete, etc., cracks occur during the process of concrete hardening, and this ultimately leads to the weakening of the buildings.





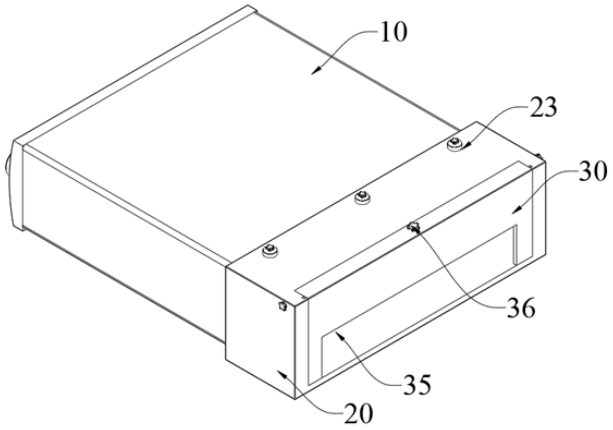
21: 2025/04547. 22: 2025/05/28. 43: 2026/02/03
51: A61G
71: SANMENXIA CENTRAL HOSPITAL (SANMENXIA CHILDREN'S HOSPITAL)
72: WANG, Xiaobing, FENG, Xiangju, ZHU, Xiaojie, YANG, Fengtao, YOU, Xiaoli, ZHANG, Dan, WANG, Dan, YU, Xiaomin, LIU, Yangbo, WAN, Yanwei, LIU, Xiao
54: CLINICAL RESCUE AUXILIARY DEVICE FOR NEWBORNS
00: -

Disclosed is a clinical rescue auxiliary device for newborns in the field of medical device technology. The device comprises a working plate and a vertical plate, with the vertical plate fixedly connected to the lower part of the working plate. An auxiliary mechanism, including a rescue unit and a monitoring unit, is installed on the top of the working plate. The newborn is placed inside an isolation shell for monitoring. A handle is used to flip an isolation cover inside the shell, causing an adjustment gear rack to mesh with a transmission gear. This drives a central shaft, which through a transmission belt, rotates a driven wheel and connecting gear, unfolding a storage box. The rescue equipment inside the storage box is then deployed for emergency use. The device integrates neonatal isolation, monitoring, and rapid rescue equipment access in a compact configuration, improving response efficiency in clinical neonatal emergency scenarios.



21: 2025/04548. 22: 2025/05/28. 43: 2026/02/03
51: G06F
71: TAN, HeYi
72: TAN, HeYi
54: MULTI-INTERFACE CONTROLLER FOR COMPUTER NETWORK SECURITY
00: -

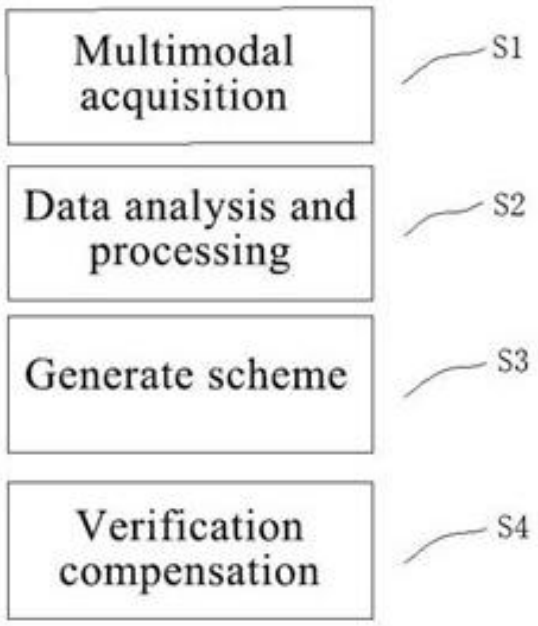
The invention discloses a multi-interface controller for computer network security, comprising a controller body with a protective cover located at its connecting port. The protective cover includes an L-shaped protective plate on the side away from the controller body. A positioning component, including T-shaped positioning rings, is used to fix the protective plate. The top ends of the cover are movably connected to the T-shaped rings, each fixed with a first grip and a telescopic spring arranged around the grip. The cover is mounted to the controller body via a positioning cylinder, handle, and disk, facilitating both protection and disassembly. The protective cover shields the controller's connecting ports from damage or contamination while allowing easy access for maintenance. The combination of the positioning mechanism and structural design ensures secure attachment and quick removal of the cover. This invention belongs to the field of computer hardware, enhancing reliability and serviceability of network controllers.



21: 2025/04549. 22: 2025/05/28. 43: 2026/02/03
51: G06N
71: LANZHOU UNIVERSITY
72: WANG Xia, CHENG Zhuoyun, SHAO Guoyong, JIANG Bin, CHEN Yujin, WANG Junwu, AN Yapeng, DUAN Wenhui, WANG Weidong
54: ECOLOGICAL ENVIRONMENT DATA PROCESSING METHOD FOR ECOLOGICAL RESTORATION
00: -

The invention discloses a data processing method for ecological restoration. It includes: S1 – multimodal acquisition using a fusion engine to collect and process multi-source data from space, sky, and earth in restoration areas; S2 – data analysis and processing; S3 – scheme generation using a deep reinforcement learning model and a multi-objective reward function to dynamically generate a global restoration plan; and S4 – verification and compensation, where repair process

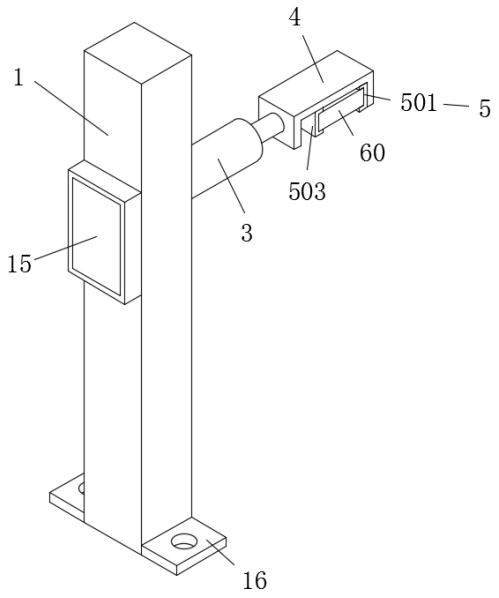
data is recorded on a blockchain platform, and smart contracts automatically verify outcomes and trigger ecological compensation. This method overcomes limitations of single-source data, enabling comprehensive ecosystem diagnostics across multiple dimensions and improving data correlation efficiency. Compared to traditional centralized cloud computing, it offers lower latency, making it suitable for real-time control in disaster-prone areas. The model adapts to regional ecological characteristics and generates restoration schemes up to five times faster than traditional optimization methods, enhancing the efficiency and effectiveness of ecological restoration



21: 2025/04550. 22: 2025/05/28. 43: 2026/02/03
51: G06K
71: ANHUI VOCATIONAL COLLEGE OF CITY MANAGEMENT
72: WANG Zhaolong, LIU Chunxia, LI Lin, JIN Jian, GUO Shuheng, WEI Wei, LIU Yun, LIU Yong, WU Huailu, CHEN Xin, LUO Linfeng

54: RFID LABEL CONTINUOUS IDENTIFICATION DEVICE BASED ON INTERNET OF THINGS

00: -
The invention discloses an RFID label continuous identification device based on the Internet of Things. The device comprises a support rod with an internal lifting component. An electric push rod is fixed to the lifting component, and its telescopic end connects to a fixed frame. The lifting component enables vertical adjustment of the RFID label identifier, allowing recognition of labels at various heights. The electric push rod also allows horizontal adjustment of the identifier to match label positions on material packages, improving recognition accuracy. An installation component allows easy disassembly and reassembly, enhancing portability and adaptability to different usage scenarios. This design improves the label recognition effect across varied package sizes and shapes, offering flexible deployment. The invention is suitable for industrial environments requiring accurate and efficient RFID label identification and supports Internet of Things integration for smart logistics, tracking, or inventory management applications.

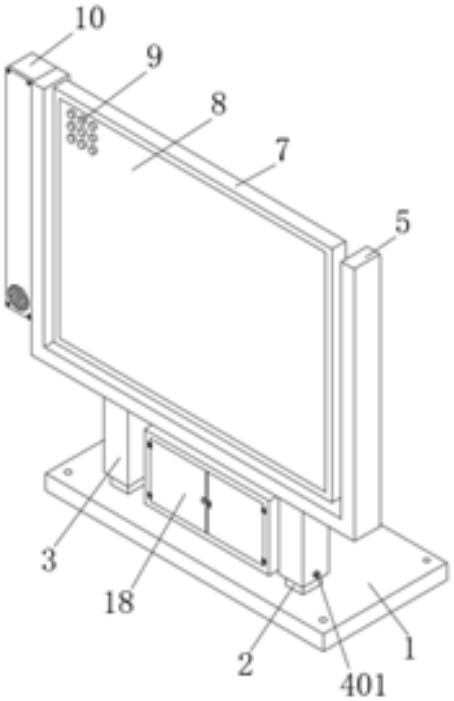


21: 2025/04551. 22: 2025/05/28. 43: 2026/02/03
51: G09F
71: ANHUI WATER CONSERVANCY TECHNICAL COLLEGE
72: BAO, Hailing, CHENG, Zihui, LI, Jinbo

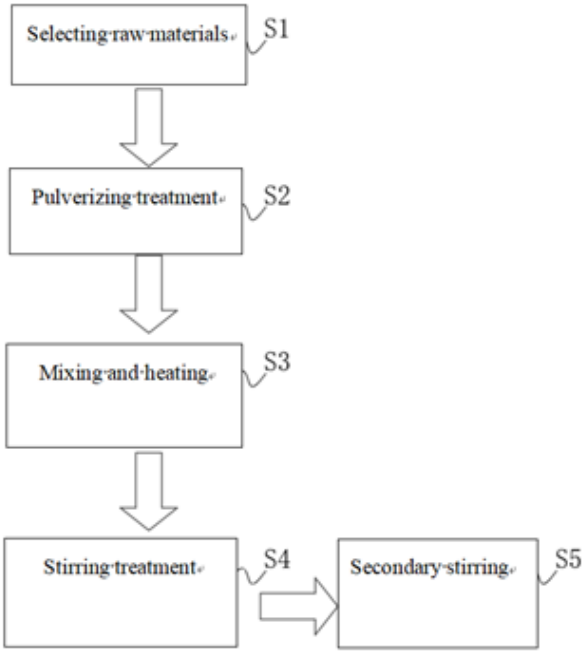
54: GREEN BUILDING DESIGN DEVICE BASED ON BIM TECHNOLOGY

00: -
The invention relates to the field of architectural design devices and discloses a green building design device based on BIM technology. It includes an installation plate with vertical plates on both sides, each connected to a movable frame. A limit component is arranged on one side of the movable

frame to facilitate positioning. The height and angle of use can be adjusted through components such as concave frames, rotating shafts, back plates, and gear mechanisms. Magnetic whiteboards and magnetic blocks are included to secure design materials or projection screens, enabling a multi-mode display. The device supports flexible assembly and disassembly, and its adjustable structure improves usability across different design scenarios. It enhances the presentation of green building plans by allowing interactive and adaptable visualisation of design content. This makes it suitable for architectural workspaces using BIM tools and client presentations requiring clear and adaptable display methods.

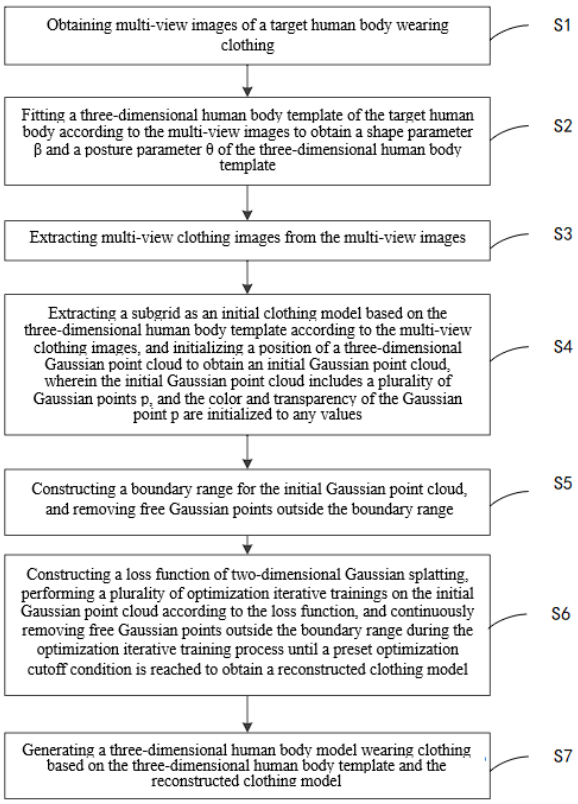


21: 2025/04552. 22: 2025/05/28. 43: 2026/02/03
51: C05F
71: JINGDEZHEN UNIVERSITY
72: FENG Tangkai, SONG Jingping
54: METHOD FOR PREPARING NUTRIENT FOR PLANTING VEGETABLES WITH FRUIT PEELS
00: -
The invention discloses a method for preparing a nutrient for vegetable planting using fruit peels. The method includes the steps of selecting raw materials, pulverizing, mixing and heating, stirring, and secondary stirring. It relates to the field of vegetable planting and utilizes both inorganic and organic components to create a balanced nutrient source. The resulting fertilizer enhances vegetable growth by improving soil structure, increasing water and fertilizer retention, and boosting resistance to pests and diseases. Incorporating a soil conditioner loosens compacted soil, enhances permeability, reduces heavy metal pollution, promotes microbial activity, and improves fertility. This method increases vegetable yield and enhances drought resistance. The reuse of fruit peel also reduces organic waste and recycles valuable nutrients back into the soil. The process is simple and effective, providing a sustainable way to enhance soil quality and support green agricultural practices in vegetable cultivation



21: 2025/04553. 22: 2025/05/28. 43: 2026/02/02
51: G06T
71: SHENZHEN POLYTECHNIC UNIVERSITY
72: ZHU, Xingzheng, YE, Ziyun, YANG, Jinfeng
33: CN 31: 2025104859883 32: 2025-04-17
54: METHOD AND APPARATUS FOR THREE-DIMENSIONAL IMAGE RECONSTRUCTION BASED ON SPARSE VIEWS, AND COMPUTER DEVICE
00: -
The present invention relates to the technical field of computer vision, and discloses a method and an apparatus for three-dimensional image reconstruction based on sparse views, and a

computer device. The method includes obtaining multi-view images of a target human body wearing clothing; fitting a three-dimensional human body template of the target human body; extracting multi-view clothing images; generating an initial Gaussian point cloud of clothing based on the multi-view clothing images and the three-dimensional human body template; constructing a boundary range for the initial Gaussian point cloud, and removing free Gaussian points outside the boundary range; constructing a loss function of two-dimensional Gaussian splatting, performing a plurality of optimization iterative trainings on the initial Gaussian point cloud, and continuously removing free Gaussian points outside the boundary range during the optimization iterative training process to obtain a reconstructed clothing model; and generating a three-dimensional human body model wearing clothing based on the three-dimensional human body template and the reconstructed clothing model. The present invention improves the quality and the usability of the reconstruction of the three-dimensional human body model.



21: 2025/04555. 22: 2025/05/28. 43: 2026/02/03
51: H01B
71: Guangdong Vango Cable Industry Co., Ltd.
72: Guan LIU, Lili XU, Kaijun CAI, Shijie ZHONG
33: CN 31: 2024115909839 32: 2024-11-08

54: PREPARATION PROCESS FOR LEVEL B1 HIGH FLAME RETARDANT NS TYPE FIREPROOF CABLE

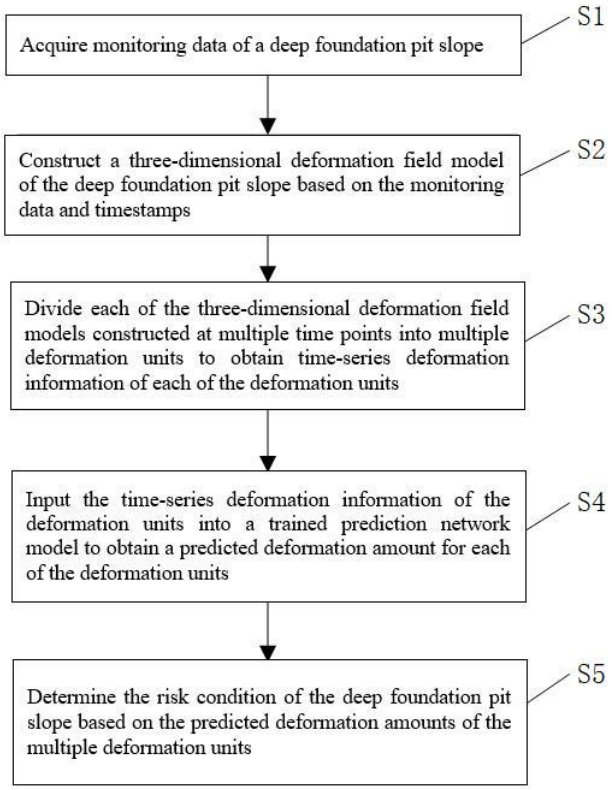
00: -

The invention relates to a preparation process for level B1 high flame retardant NS type fireproof cable, which belongs to the field of cable technology. The preparation process for level B1 high flame retardant NS type fireproof cable provided by the invention is as follows: after the copper is wrapped over the insulating core and several insulating cores are twisted into the cable, the cable core gap is filled and rounded with PP filling rope, and two layers of halogen-free flame retardant tape are wrapped outside the cable core, and the aluminum sheath is formed by wrapping longitudinally with the aluminum tape by argon arc welding and embossing, finally, the ceramic silicone rubber tape and low smoke halogen-free flame retardant polyolefin sheath material for low heat release cable are wrapped to obtain the finished cable, the sealing, fire resistance and impact resistance of the cable are improved by multi-layer wrapping and preparation of ceramic silicone tape, while satisfying the same fire resistance, level B1 high flame retardant NS type fireproof cable has the characteristics of impact resistance and spray resistance, and has better safety performance, which can reduce pressure for fire rescue when a fire occurs, and provide greater opportunities for people to escape.

21: 2025/04589. 22: 2025/05/28. 43: 2026/02/03
51: G01B
71: CHINA RAILWAY NO. 4 ENGINEERING GROUP CO., LTD, ANHUI CHINA RAILWAY ENGINEERING TECHNOLOGY CO., LTD, ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY
72: SHEN Zhiqiang, YANG Qi, XU Qinguo, LIU Yewei, XU Liangji, CHENG Jiesheng, CHEN Yonghua, LIU Xiaopeng, SUN Zhihao, PENG Tao, ZENG Qingchun, LING Benchun, WU Jingkui, XU Wenqing, ZHU Aren, LIANG Zuozhen
33: CN 31: 202510081792.8 32: 2025-01-20

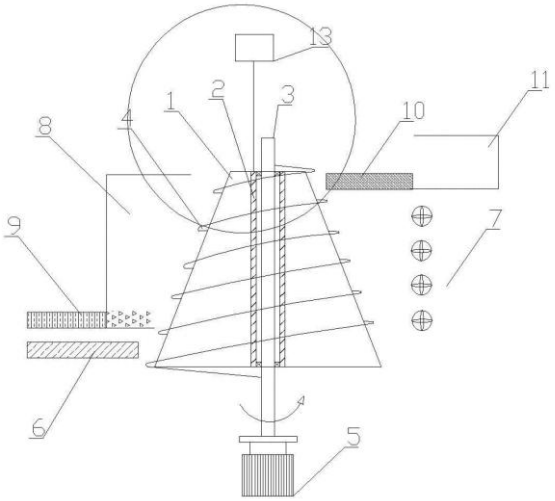
54: DEEP FOUNDATION PIT SLOPE DEFORMATION MONITORING METHOD, APPARATUS, STORAGE MEDIUM, AND ELECTRONIC DEVICE

00: -
The present invention provides a deep foundation pit slope deformation monitoring method, apparatus, storage medium, and electronic device, falling within the technical field of deep foundation pit monitoring. The method includes: acquiring monitoring data of a deep foundation pit slope, where the monitoring data includes data uploaded by GNSS receivers, horizontal optical fibers, settlement optical fibers, and 3D scanners; constructing a three-dimensional deformation field model of the deep foundation pit slope based on the monitoring data and timestamps; dividing and refining the three-dimensional deformation field model to obtain time-series deformation information of deformation units; predicting to obtain a predicted deformation amount for each deformation unit via a prediction network model; and further determining the risk condition of the deep foundation pit slope. The combination of internal and external monitoring data ensures the accuracy of the constructed three-dimensional deformation field model. Dividing and refining the three-dimensional deformation field model to monitor changes in each deformation unit enables early warning at the initial stage when various risk conditions have not yet occurred or have just emerged, improving the timeliness of warnings.



21: 2025/04599. 22: 2025/05/29. 43: 2026/02/03
51: B03C
71: Kunming University of Science and Technology
72: Changtao WANG, Chuandong ZHAO, Xian XIE, Xiong TONG, Yuanlin MA, Qiang SONG
33: CN 31: 2025103990162 32: 2025-04-01
54: COMPOSITE FORCE FIELD MAGNETIC SEPARATION COLUMN FOR DRY SEPARATION OF FINE-GRAINED MATERIALS AND ITS APPLICATION
00: -
A composite force field magnetic separation column for dry separation of fine-grained materials is disclosed, including a separation conical table, wherein the separation conical table is a hollow structure, and a magnet device and a rotating shaft are arranged in the separation conical table; the magnet device is cylindrical and is arranged between the separation conical table and the rotating shaft, wherein the rotating shaft is movably connected to the magnet device; a separation spiral is wound on the outside of the separation conical table, the blade of the separation spiral is fixedly connected to the rotating shaft, and the separation spiral is rotatable relative to the separation conical table; the bottom of the rotating shaft is connected to a transmission device for driving the separation

spiral to rotate; the bottom of the separation spiral is adjacent to a feeding belt, and the material on the feeding belt is conveyed upward by the rotation of the separation spiral; the one side of the separation spiral is provided with a blowing device to blow the non-magnetic material or weakly magnetic material on the separation conical table or the separation spiral away from the separation spiral and drop down to the tailings drop area, and take it away from the working area through a tailings belt, and the magnetic concentrate product at the uppermost end of the separation spiral is conveyed to the concentrate product area through the concentrate belt.

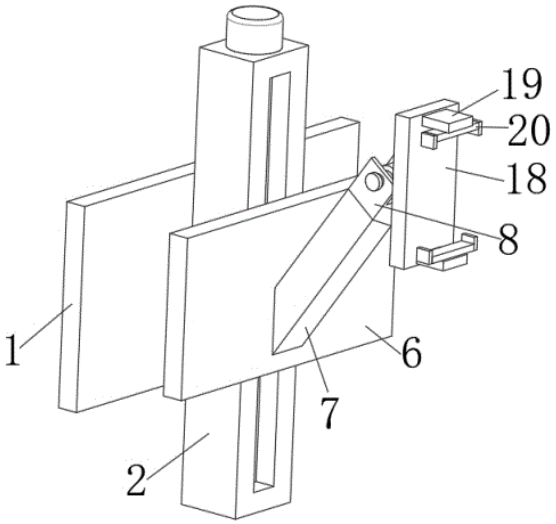


21: 2025/04600. 22: 2025/05/29. 43: 2026/02/03
51: G06K
71: Yancheng Teachers University
72: Yu Ping, Yang Yuxin
33: CN 31: 2025105751626 32: 2025-05-06

54: AN ADJUSTABLE MOUNTING STRUCTURE FOR A FACIAL RECOGNITION DEVICE

00: -

The invention discloses an adjustable mounting structure for a facial recognition device, which includes a mounting plate. One side of the mounting plate is provided with a first support rod, and one side of the first support rod is provided with a first support plate. One side of the first support plate is provided with a first connecting rod, and one end of the first connecting rod is fixedly connected to a first connecting block. A groove is formed on one side of the first connecting block, and the inner wall of the groove is rotatably connected to a rotating rod. A second connecting block is fixedly connected to the outer portion of the rotating rod, and one side of the second connecting block is fixedly connected to a second connecting rod. One end of the second connecting rod is fixedly connected to a second support plate. One end of the rotating rod extends outside the first connecting block and is fixedly connected to a handle. Through the above structure, the rotating rod is rotated by turning the handle, and the cooperation between the rotating rod and the second connecting rod drives the second support plate, second support rod, and clamping plate to rotate, thereby adjusting the angle of the facial recognition device.



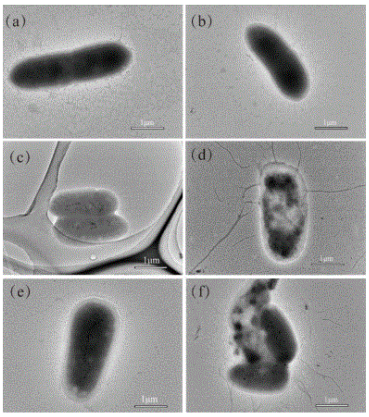
21: 2025/04601. 22: 2025/05/29. 43: 2026/02/03
51: A01N
71: Spice and Beverage Research Institute, Chinese Academy of Tropical Agricultural Sciences, Sanya Research Institute of Chinese Academy of Tropical Agricultural Sciences, Hainan Xingke Tropical Crops Engineering Technology Company Limited, Yangzhou University
72: GU, Fenglin, WU, Guiping, HE, Shuzhen, HU, Weicheng, DING, Yunshuang, ZHU, Hongying, WANG, Xu, ZHU, Kexue, DONG, Wenjiang
33: CN 31: 202510154466.5 32: 2025-02-12

54: EXTRACTION METHOD AND APPLICATION OF PEPPER POLYPHENOLS WITH INHIBITORY ACTIVITY AGAINST PSEUDOMONAS FRAGI

00: -

An extraction method of pepper polyphenols with inhibitory activity against Pseudomonas fragi is provided. The extraction method includes: preparing a crude polyphenol aqueous solution, and further

extracting a free form of pepper polyphenol, an esterified form of pepper polyphenol, a glycoside form of pepper polyphenol and an insoluble-bound form of pepper polyphenol from a crude polyphenol separately and sequentially. According to the extraction method, the crude polyphenol solution is further extracted to obtain different forms of pepper polyphenols with different degrees of against Pseudomonas fragi, which provides a basis for subsequent deeper research and application and facilitate obtaining pepper polyphenols with higher antibacterial activities. Based upon analysis, the insoluble-bound form of polyphenol extracted from fresh pepper fruits at mid-maturity stage has the highest inhibitory activity against Pseudomonas fragi. The antibacterial ability of a preservative for refrigerated food using the insoluble-bound form of pepper polyphenol is improved accordingly.



21: 2025/04602. 22: 2025/05/29. 43: 2026/02/03
51: G06Q
71: Southwest University of Science and Technology, SICHUAN ZHENTONG INSPECTION CO. LTD
72: Yaodong Luo, Yixiang Du, Tiansi Zhang, Haoyang Wang, Yuhao Cheng, Longfan Zhu, Biao Yang, Shaoping Yang, Lin Zhu, Liang Zuo, Chuankang Liao, Haoyan Zhang, Luyao Ma, Bihe Zhang, Shengrui Luo

54: AN INTELLIGENT RECOGNITION METHOD FOR BRIDGE UNDERWATER IMAGE DEFECTS BASED ON CONVOLUTIONAL NEURAL NETWORKS

00: -

The present invention relates to the technical field of underwater structure defect detection of bridges, specifically to an intelligent recognition method for bridge underwater image defects based on convolutional neural networks. The present invention integrates blue-green light-red multispectral imaging and a dual-branch U-Net physical constraint model, and eliminates surface scattering artifacts through dynamic window dark channel preprocessing. Combined with the lightweight MobileNetV3 integrated spatio-temporal attention mechanism, while achieving sub-millimeter-level crack segmentation and geometric measurement, the model is compressed to 2.3MB and adapted to 25ms real-time inference on the embedded platform, forming a fully closed-loop system from multimodal data enhancement, cross-scale feature recovery to dynamic fuzzy suppression. It can overcome the three major problems of color cast interference, edge blurring and computing power bottleneck in traditional underwater detection, and provide high-precision and low-latency intelligent diagnostic solutions for complex underwater bridge defects.

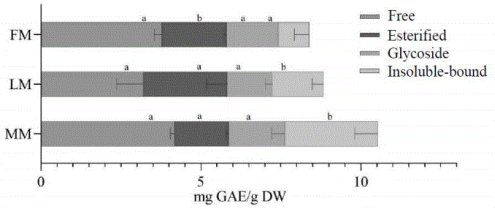
21: 2025/04603. 22: 2025/05/29. 43: 2026/02/03
51: A01N
71: Spice and Beverage Research Institute, Chinese Academy of Tropical Agricultural Sciences, Sanya Research Institute of Chinese Academy of Tropical Agricultural Sciences, Hainan Xingke Tropical Crops Engineering Technology Company Limited, Yangzhou University
72: WU, Guiping, GU, Fenglin, HE, Shuzhen, HU, Weicheng, DING, Yunshuang, ZHU, Hongying, WANG, Xu, ZHU, Kexue, DONG, Wenjiang
33: CN 31: 202510154469.9 32: 2025-02-12

54: EXTRACTION METHOD AND APPLICATION OF PEPPER POLYPHENOLS WITH ANTIOXIDANT ACTIVITIES

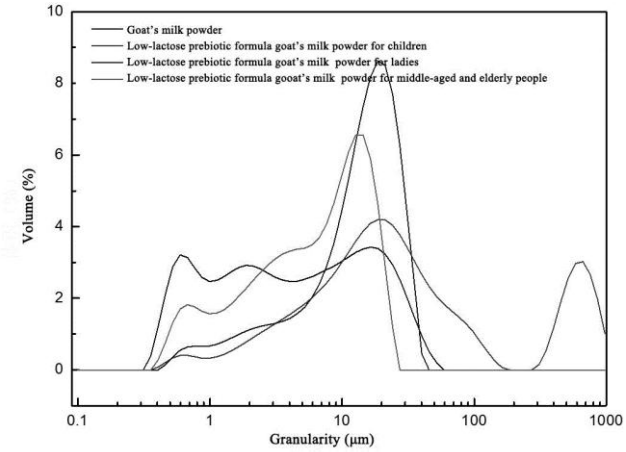
00: -

The present invention provides an extraction method of pepper polyphenols with antioxidant activities, including: preparing a crude polyphenol aqueous solution, and further extracting a free form of pepper polyphenol, an esterified form of pepper polyphenol, a glycoside form of pepper polyphenol and an insoluble-bound form of pepper polyphenol from a crude polyphenol respectively and sequentially. According to the extraction method, the crude polyphenol solution is further extracted and separated to obtain different stages and forms of pepper polyphenols with different antioxidant activities, which provides a basis for subsequent

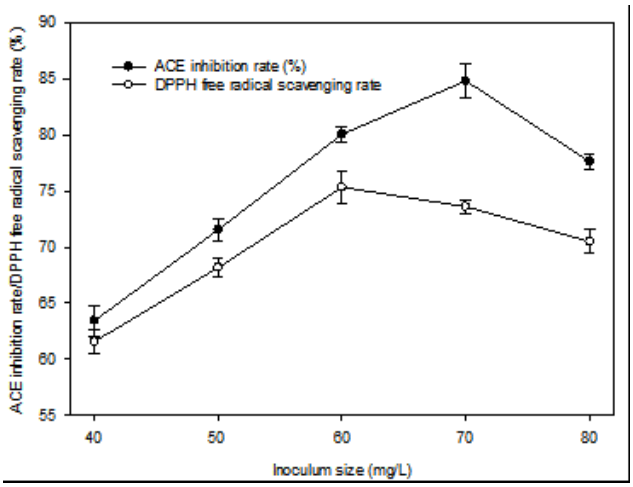
deeper research and application and is conducive to obtaining pepper polyphenols with higher antioxidant activities. The obtained pepper polyphenols with different antioxidant activities can be applied in oxidation resistance, especially in antioxidant foods, health products, and cosmetics. An antioxidant function of an antioxidant preparation of the pepper polyphenols with antioxidant activities provided by the present invention is improved accordingly.



21: 2025/04604. 22: 2025/05/29. 43: 2026/02/03
51: A47J
71: SHAANXI UNIVERSITY OF SCIENCE AND TECHNOLOGY, Xi'an Baiyue Goat Milk Group Co., Ltd.
72: SHU Guowei, YU Xinru, CUI Xiuxiu, LEI Huan, ZHENG Qiqi, XIE Zipei, DENG Shiru
54: MULTIFUNCTIONAL LOW-LACTOSE PREBIOTIC GOAT MILK POWDER AND PREPARATION METHOD THEREOF
00: -
The invention discloses a multifunctional low-lactose prebiotic goat milk powder and a preparation method thereof, and belongs to the technical field of dairy product preparation. The low-lactose prebiotic goat milk powder contains lactase and more than two components selected from lutein, arachidonic acid, phosphatidylserine, taurine, Gamma-aminobutyric acid, collagen peptide, Acer truncatum seed oil, phytosterol, Gamma-aminobutyric acid, N-acetylneuraminic acid or vitamin B12; specifically, it is prepared by the following methods: using liquid goat milk as raw material, sterilizing and cooling, and adding lactase to make the mass fraction of lactase in liquid goat milk be 0.06%-0.1%; after enzymolysis, nutritional fortifier is added, and after spray drying, the low-lactose prebiotic goat milk powder is obtained. The low-lactose prebiotic goat milk powder prepared by the invention not only has low lactose content, but also can relieve lactose intolerance, and is more suitable for special people to eat by adding compound nutritional fortifiers according to special groups of children, women or middle-aged and elderly people.



21: 2025/04605. 22: 2025/05/29. 43: 2026/02/03
51: A47J
71: SHAANXI UNIVERSITY OF SCIENCE AND TECHNOLOGY, Shaanxi Yatai Dairy Co., Ltd.
72: SHU Guowei, KONG Qiannan, NAN Jianhao, ZHANG Meng, DONG Xu, WAN Hongchang, DAI Chunji, WANG Qian
54: PROBIOTIC GOAT MILK POWDER CONTAINING ANTIHYPERTENSIVE PEPTIDES AND ANTIOXIDANT PEPTIDES AND PREPARATION METHOD THEREOF
00: -
The invention discloses a probiotic goat milk powder containing antihypertensive peptides and antioxidant peptides and a preparation method thereof, belonging to the field of food processing. Stachyose and xylooligosaccharides exhibit significant heat-resistant protective effects on probiotics, resulting in higher viable bacterial counts and survival rates. Combined with concentrated goat milk, and since the heat-resistant protective mechanisms of prebiotics differ from those of proteins, the invention synergistically uses stachyose, xylooligosaccharides, and concentrated goat milk as a composite heat-resistant protective agent to further enhance the protective effect on bacterial viability. The invention provides a bioactive peptide probiotic goat milk powder rich in antihypertensive peptides, antioxidant peptides, probiotics, and prebiotics, with a high viable bacterial count.

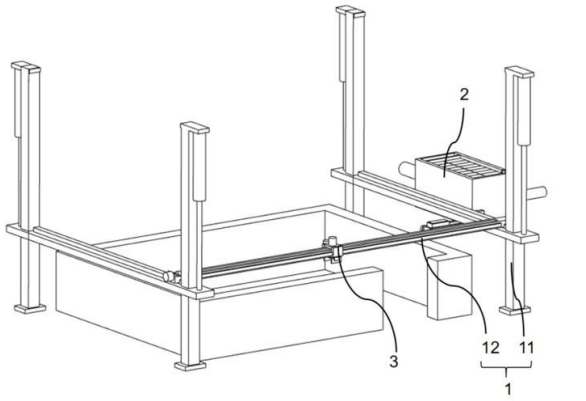


21: 2025/04607. 22: 2025/05/29. 43: 2026/02/03
51: E04G; G05B
71: JI'AN COLLEGE
72: LIU, Qiankun

54: BIM TECHNIQUE-BASED WALL BUILDING DEVICE

00: -

The present application relates to a BIM technique-based wall building device, including: a lifting platform, a feeding box and a carrying hand. The lifting platform includes lifting frames and a transverse rod, the two lifting frames are arranged opposite to and parallel to each other, the transverse rod is located between the two lifting frames, and the two ends of the transverse rod are respectively slidably connected to the lifting ends of the two lifting frames; the feeding box is fixedly connected to the lifting end of the lifting frame; the carrying hand includes a carrying base, a first hydraulic rod and a clamping mechanism, the carrying base is slidably connected to the transverse rod, the fixed end of the first hydraulic rod is fixedly connected to the carrying base, and the fixed end of the clamping mechanism is fixedly connected to the lifting end of the first hydraulic rod.

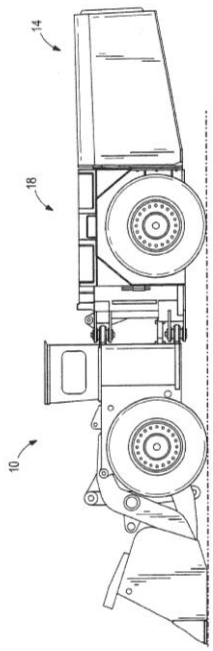


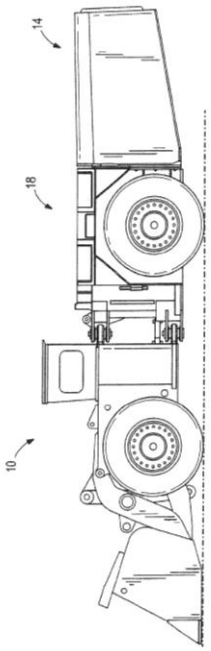
21: 2025/04617. 22: 2025/05/29. 43: 2026/02/03
51: B60K; B60L
71: JOY GLOBAL UNDERGROUND MINING LLC
72: BEANGE, Craig, BLACK, Daniel
33: US 31: 63/424,727 32: 2022-11-11
33: US 31: 63/426,662 32: 2022-11-18

54: ENERGY STORAGE SYSTEM FOR VEHICLE AND MOUNTING SYSTEM FOR SAME

00: -

An energy storage system is selectively mountable to a vehicle and includes a frame, a battery supported on the frame, and a frame mounting interface. The frame includes a base surface and a mounting surface. At least a portion of the base surface is positioned in a plane oriented at an acute angle relative to a direction that is perpendicular to the mounting surface. The base surface may rest on a ground surface while the frame is not mounted to the vehicle. The frame mounting interface is positioned adjacent the frame mounting surface. The frame mounting interface may engage a chassis mounting interface positioned on a chassis of the vehicle, and the engagement of the base surface with the ground surface causes the frame mounting interface to be positioned in an orientation that may facilitate engagement with the chassis mounting interface while the frame is not mounted on the vehicle.





21: 2025/04620. 22: 2025/05/29. 43: 2026/02/03
51: B60K; B60L; H01M
71: JOY GLOBAL UNDERGROUND MINING LLC
72: BEANGE, Craig, BLACK, Daniel, KARNS, Ryan
33: US 31: 63/424,727 32: 2022-11-11
33: US 31: 63/426,662 32: 2022-11-18

54: ENERGY STORAGE SYSTEM FOR VEHICLE AND ALIGNMENT SYSTEM FOR SAME

00: -

An energy storage system is removably coupled to a vehicle and includes a frame, a battery supported on the frame, and a frame alignment system. The frame includes a base configured to rest on a support surface while the frame is uncoupled from the vehicle, and a first mounting feature configured to engage a complementary second mounting feature positioned on the vehicle. The battery is configured to provide power to the vehicle while the energy storage system is coupled to the vehicle. The frame alignment system includes a guide surface configured to engage the second mounting feature as the frame is coupled to the vehicle, the engagement between the guide surface and the second mounting feature facilitating alignment between the first mounting feature and the second mounting feature.

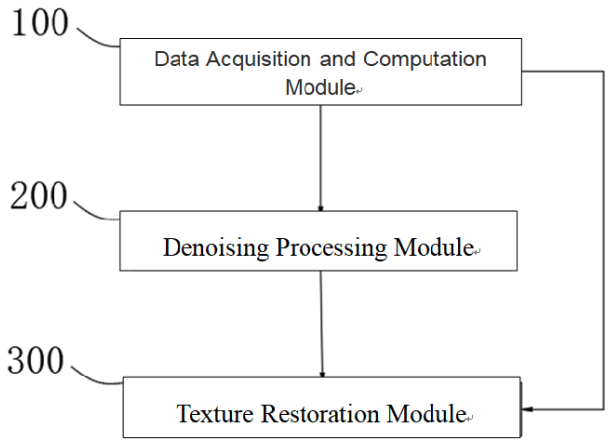
21: 2025/04651. 22: 2025/05/30. 43: 2026/02/03
51: G06T; G06V
71: RIZHAO OCEAN SHIPPING TALLY CO., LTD
72: Bing, ZHAO, Xudong, FAN, Yilin, WANG, Wenlong, SUN, Peichao, AN, Yuanhang, CHEN, Riwen, FEI, Peng, ZHAO, Fan, BU, Liqiang, CHI, Chuanfeng, XU, Ning, GAO
33: CN 31: 2024118131966 32: 2024-12-11

54: BIG DATA-BASED INTELLIGENT WATER GAUGE RECOGNITION SYSTEM

00: -

The invention relates to water gauge recognition technical field, specifically disclosing an intelligent water gauge recognition system based on big data technology. The system comprises a data acquisition and calculation module, a denoising processing module, and a texture restoration module. The data acquisition and calculation module utilizes a Gaussian filter to calculate low-frequency illumination components and high-frequency detail components of each pixel in water gauge images. The denoising processing module selects each pixel as a central denoising pixel, calculates similarity weights between it and neighboring pixels, calculates denoised pixel values based on these weights and low-frequency components of adjacent pixels, and then combines them with high-frequency detail components to generate complete denoised pixels. The texture restoration module further selects

all denoised pixels as central texture pixels, calculates comprehensive weights with neighboring pixels, and derives texture-restored pixels based on these weights and low-frequency illumination components, thereby repairing texture loss or distortion caused by noise. This process enhances the natural appearance and authenticity of the final image.

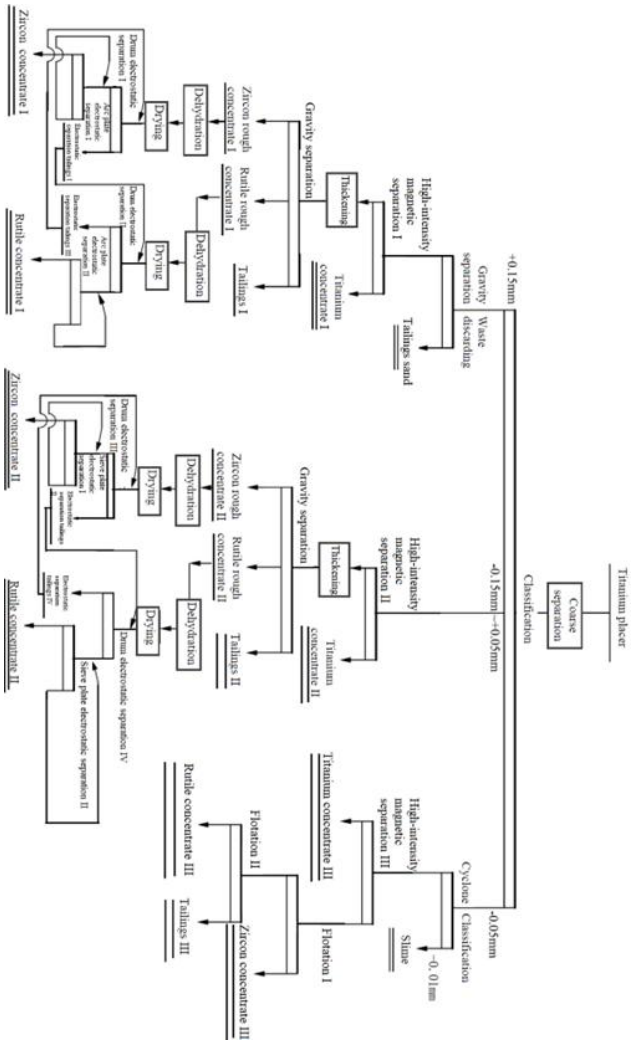


21: 2025/04652. 22: 2025/05/30. 43: 2026/02/03
51: B03B; B03C; B03D
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, GUANGDONG UBRIDGE NEW MATERIAL TECHNOLOGY CO., LTD.
72: ZHENG, Yongxing, GUO, Ziqi, WANG, Xiangding, HUANG, Xiang, WANG, Zhenxing, TAN, Jianfeng, CHANG, Sheng

54: HIGH-EFFICIENCY BENEFICIATION METHOD FOR COMPLEX AND REFRACTORY TITANIUM PLACER

00: -

The present application discloses a high-efficiency beneficiation method for complex and refractory titanium placer. The method includes: classifying and desliming to eliminate slime and coarse particle interference, yielding feed materials with three size fractions; conducting wet fine separation to improve metal grade and processing capacity via gravity separation and waste discarding; enhancing titanium dioxide and zirconium dioxide content in wet rough concentrate through graded gravity separation; and achieving efficient recovery of fine zirconium and titanium particles by precisely controlled flotation. The process then involves dehydrating and drying the size-fractioned wet rough concentrate to obtain dry concentrate. Finally, dry electrostatic separation is performed. Tailings from zircon and rutile electrostatic separation, matched by size fraction, are alternately returned to corresponding dry operations. This eliminates repeated drying and wet-dry cycling, reduces energy consumption, and yields high-quality rutile and zircon concentrates. The synergistic integration of equipment ensures efficient separation and improved overall recovery of titanium dioxide and zirconium dioxide.

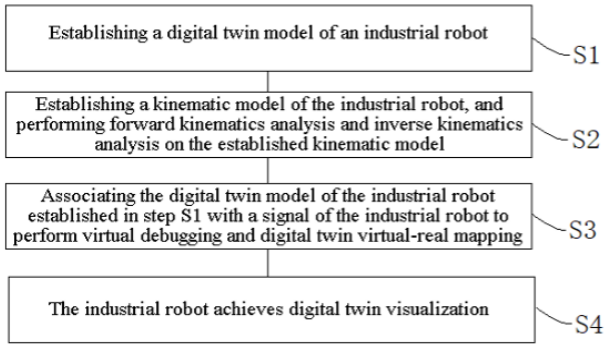


21: 2025/04663. 22: 2025/05/30. 43: 2026/02/02
51: G06F
71: BEIJING RESEARCH INSTITUTE OF AUTOMATION FOR MACHINERY INDUSTRY CO., LTD.
72: DUAN, Minghao, CHEN, Weicai, WANG, Dequan, ZHANG, Nan, ZHAO, Nan, ZHANG, Shun, LIU, Lixun, XIE, Zhenyu
33: CN 31: 202510323915.4 32: 2025-03-19

54: VIRTUAL DEBUGGING AND SIMULATION METHOD FOR INDUSTRIAL ROBOT BASED ON DIGITAL TWIN

00: -

The present invention provides a virtual debugging and simulation method for industrial robot based on digital twin, comprising the following steps: S1: establishing a digital twin model of the industrial robot; S2: establishing a kinematic model of the industrial robot, and performing forward kinematics analysis and inverse kinematics analysis on the established kinematic model; S3: associating the digital twin model established in step S1 with a signal of the industrial robot to perform virtual debugging and digital twin virtual-real mapping; S4: the industrial robot achieves digital twin visualization, i.e., establishing the digital twin model that is highly consistent with an actual robot and a working environment thereof in a virtual environment, and establishing real-time communication between the two, so as to achieve comprehensive debugging of the actual robot and surrounding devices in the virtual environment, while mapping a state of the actual robot to the digital twin model, thereby achieving comprehensive simulation of the actual robot and the operating state thereof, effectively improving accuracy and adaptability of simulation of the industrial robot.



21: 2025/04664. 22: 2025/05/30. 43: 2026/02/02

51: G05B

71: BEIJING RESEARCH INSTITUTE OF AUTOMATION FOR MACHINERY INDUSTRY CO., LTD.

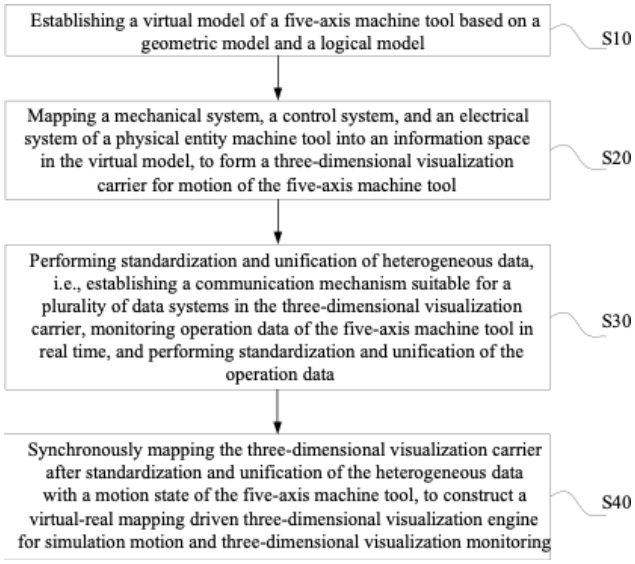
72: DUAN, Minghao, CHEN, Weicai, WANG, Dequan, ZHANG, Nan, ZHAO, Nan, ZHANG, Shun, LIU, Lixun, XIE, Zhenyu

33: CN 31: 202510324572.3 32: 2025-03-19

54: VIRTUAL SIMULATION AND MONITORING METHOD FOR FIVE-AXIS COMPUTER NUMERICAL CONTROL MACHINE TOOL, AND READABLE STORAGE MEDIUM

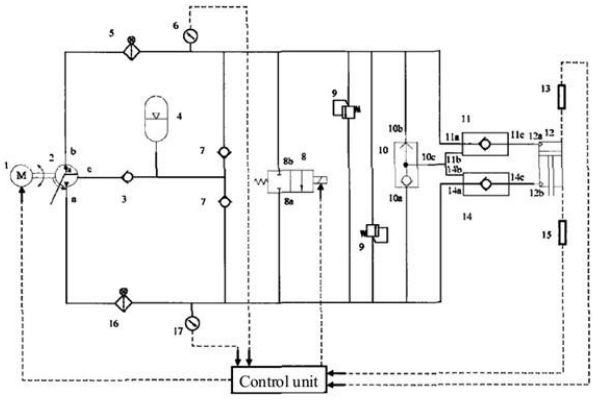
00: -

The present invention belongs to technical field of five-axis machine tool simulation, and specifically relates to a virtual simulation and monitoring method for five-axis computer numerical control machine tool, and readable storage medium. The virtual simulation and monitoring method of the present invention comprises establishing a virtual model of a five-axis machine tool based on a geometric model and a logical model; mapping a mechanical system, a control system, and an electrical system of a physical entity machine tool into an information space in the virtual model, to form a three-dimensional visualization carrier for motion of the five-axis machine tool; performing standardization and unification of heterogeneous data; and synchronously mapping the three-dimensional visualization carrier after standardization and unification of the heterogeneous data with a motion state of the five-axis machine tool, to construct a virtual-real mapping driven three-dimensional visualization engine for simulation motion and three-dimensional visualization monitoring. It effectively solves key technical problems of digital twin model such as insufficient fidelity, poor dynamic synchronization, and weak immersion of monitoring interface, and has opened up a new idea and solution for intelligent monitoring of intelligent manufacturing equipment.



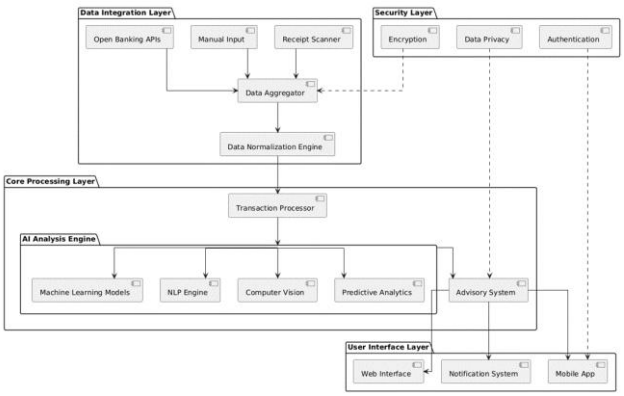
21: 2025/04678. 22: 2025/05/30. 43: 2026/02/03

51: F15B
71: AVIC HARBIN AIRCRAFT INDUSTRY GROUP CO., LTD
72: ZHANG, Zhuoran, GU, Feng, LIU, Binbin, WANG, Hongzhi, SONG, Yannan, ZHU, Bo, CUI, Yuwei, LIN, Yuzhu
33: CN 31: 202211496555.0 32: 2022-11-27
54: ELECTRICALLY-CONTROLLED HYDRAULIC ACTUATING SYSTEM OF AIRCRAFT
00: -
An electrically-controlled hydraulic actuating system of an aircraft. A control unit is connected to a motor (1), and is used for controlling the starting and stopping, rotation direction and rotation speed of the motor (1); an output shaft of the motor (1) is connected to a driving shaft of a bidirectional quantitative gear pump (2), and the motor (1) is used for driving the bidirectional quantitative gear pump (2) to operate and controlling the operating direction; a port b of the bidirectional quantitative gear pump (2) is connected to a port 11a of a first hydraulic one-way valve (11) by means of a first pipeline; a port a of the bidirectional quantitative gear pump (2) is connected to a port 14a of a second hydraulic one-way valve (14) by means of a second pipeline; a common port 10c of a shuttle valve (10) separately communicates with a control port 11b of the first hydraulic one-way valve (11) and a control port 14b of the second hydraulic one-way valve (14); and a piston rod of an actuator (12) is used for driving a controlled apparatus to move. The system can effectively avoid the problem of large heat generation amount of closed systems and effectively reduce excessive starting currents of hydraulic pumps.



21: 2025/04695. 22: 2025/06/02. 43: 2026/02/03

51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SINGH, Tanishk, SHINDE, Gitanjali Rahul, PATIL, Rutuja Rajendra, KULKARNI, Omkaresh Sakharam, BOBHATE, Girishma Yadav, DESHPANDE, Yogesh Dattatray
54: A SMART AI-POWERED PERSONAL FINANCE ASSISTANT WITH INTEGRATED BEHAVIORAL ANALYTICS AND PREDICTIVE FINANCIAL MANAGEMENT SYSTEM
00: -
The present invention relates to a smart AI-powered personal finance assistant with integrated behavioral analytics and predictive financial management system. This is a high-tech, AI-driven, personal finance management system combining more than one technology such as machine learning, natural language processing, and computer vision into one system for a single comprehensive financial guide. Its integration of real-time data analysis, predictive modeling, and behavioral coaching ensures delivery of more personalized financial recommendations and automatically assists the users in different ways. It maintains strong security features with privacy-preserving computation for safe, private financial management, coupled with the ability to provide sophisticated insights and recommendation for better financial decision-making.

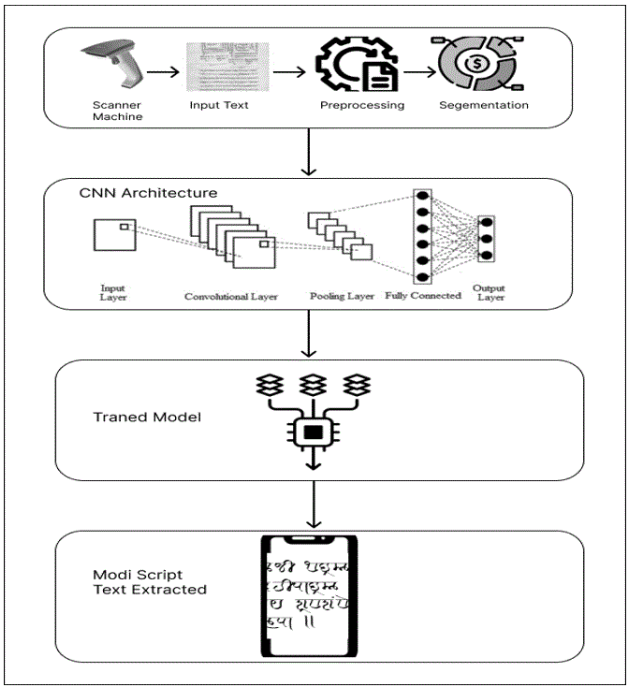


21: 2025/04696. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SHAIKH, Sadiq Aqil, GOVINDWAR, Gauri Sagar, HABIB, Purushottam Santosh, VACHKAL, Shreyash Somnath, MAHALLE, Parikshit N., YADAV, Gitanjali B., SHARMA, Nakul S., INGLE, Yashwant, PATIL, Ratna, BORADE, Monali

54: A MODI SCRIPT IDENTIFICATION SYSTEM USING PDF SCANNING AND ANDROID APPLICATION

00: -

The present invention relates to a Modi script identification system using pdf scanning and android application. The proposed system identifies Modi script in a scanned PDF or image document by using an android application. Users can scan papers either from the scanner provided for the job or using their mobile phones straight if it happens that a scanner is not there. When uploaded, the system will employ OCR, image preprocessing, and AI-based language models to identify Modi script with precision even from the degraded documents. It will help digitize, preserve, and study Modi script material: This is the ultimate step toward archiving the historical cause and providing an easy avenue of a mobile platform for researchers, educators, and the public to read and interpret the script. A vehicle for cultural heritage revival and an effort toward studying the Modi language itself.

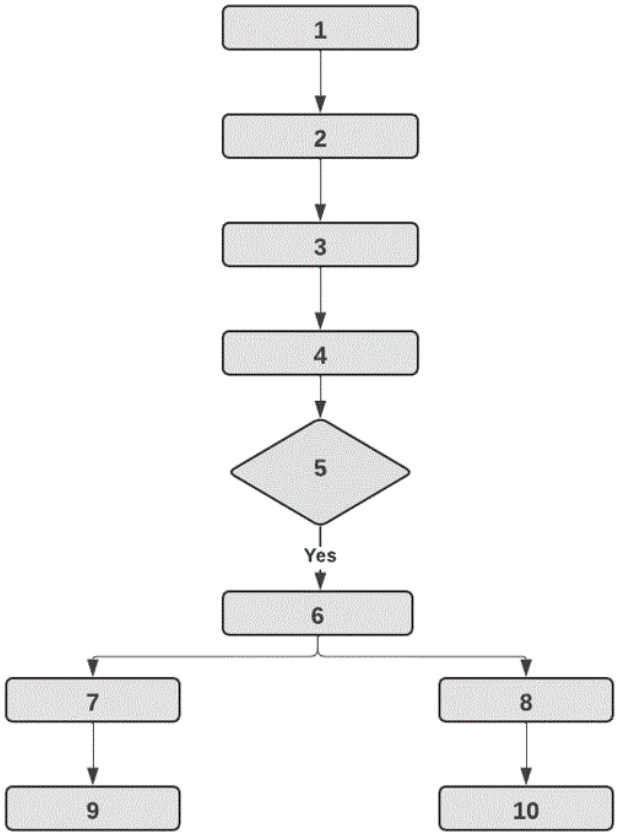


21: 2025/04697. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SULAY, Kanhaiya Pramod, TADE, Siddhant Santosh, MISAL, Vijay Ajinath, PATGAVKAR, Shubham Parsharam, FUTANE, Pravin, DEDGAONKAR, Suruchi, KODMELWAR, Manohar

54: A MULTILINGUAL SENTIMENTS ANALYSIS IN REAL-TIME CHAT SYSTEM

00: -

The present invention relates to a multilingual sentiments analysis in real-time chat system. Emotion awareness is essential for effective interaction in the digital communication world. The proposed system discloses emotional intelligence can be integrated into social media to increase user engagement and address the critical issue of negative emotions that can cause negative effects. Further, the proposed system uses dictionary tools and Sentiment.js to instantly evaluate interactive data and is powered by the React.js framework and Firebase for efficient communication. In addition, the system can generate various visualizations such as line graphs, line charts, line graphs, graphs, and slide charts that show the classification rate of positive, negative, neutral, and negative emotions. Focusing on emotional analysis and reporting emotional abuse, its aims to promote a safer and more inclusive society.

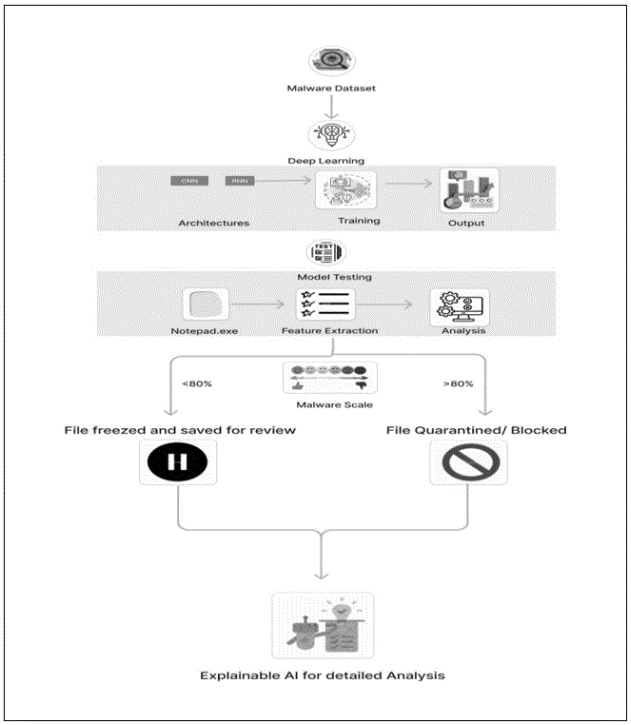


21: 2025/04699. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MALI, Chinmayee Vijaykumar, DHUMAL, Sanika Sameer, SHINDE, Gitanjali Rahul, PATIL, Rutuja Rajendra, ATTARDE, Khushboo Prashant, BANDEWAR, Krishnapriya Balaji, KULKARNI, Omkaresh Sakharam, BOBHATE, Grishma Yadav, SABLE, Nilesh P., MIRAJIKAR, Riddhi

54: A REAL-TIME DEEP LEARNING FRAMEWORK FOR AUTOMATED MALWARE DETECTION AND ANALYSIS WITH DYNAMIC ACTION THRESHOLDING FOR CYBERSECURITY PROFESSIONALS

00: -

The present invention relates to a real-time deep learning framework for automated malware detection and analysis with dynamic action thresholding for cybersecurity professionals. Further the proposed invention discloses a full-time real-time malware detection system for Cyber professionals utilizing Deep Learning; CNN-RNN models and ensembles. After that, the detection benchmark is higher in a broad spectrum of areas such as network traffic analysis, behavioral analysis, memory analysis, etc. According to predefined standards as well as assessing the possibility of this action, it responds correspondingly. Documents that indicate a high risk (a probability of 80% or more, for instance) get locked/isolated and the rest are carried out to be reviewed individually. Even better, the technology gives full visibility of all factors that are used in the classification of malware so that cybersecurity specialists can examine any false positives as well as change the classification manually if necessary. With that, we get increased effectiveness during the automation of the virus detection process.



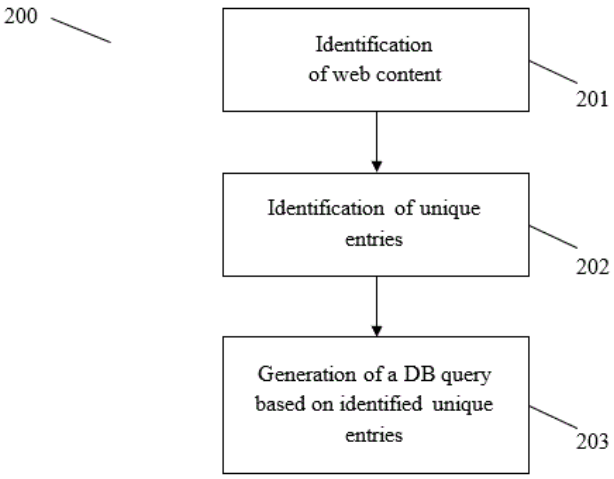
21: 2025/04700. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110708 32: 2025-04-24

54: MACHINE-READABLE STORAGE MEDIUM 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.

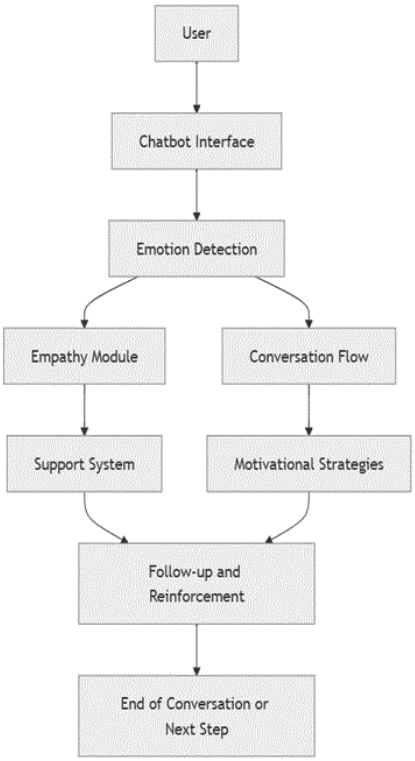


21: 2025/04701. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WAGH, Aditya Anand, SALUNKE, Yugal Nagaraj, NADHE, Vedant Manoj, DONGARE, Mahesh Sambhaji, PATIL, Rutuja Rajendra, KULKARNI, Omkaresh Sakharam, SHINDE, Gitanjali Rahul

54: A FRIENDLY CHATBOT FOR MENTAL HEALTH SUPPORT AND CRISIS INTERVENTION

00: -

The present invention relates to a friendly chatbot for mental health support and crisis intervention. Further, the proposed invention discloses a chatbot designed to deliver empathetic, conversational support and personalized guidance for individuals experiencing depression, stress, or emotional challenges. Leveraging natural language processing, the chatbot engages users in supportive dialogue that mimics the experience of speaking with a close friend. Through real-time mood tracking and sentiment analysis, the present invention offers coping strategies and personalized insights that evolve with the user's emotional state. Furthermore, the chatbot incorporates crisis intervention capabilities, providing emergency resources when immediate assistance is necessary. This comprehensive approach promotes positive mental health outcomes, helping users maintain emotional resilience through supportive, solution-focused interaction.



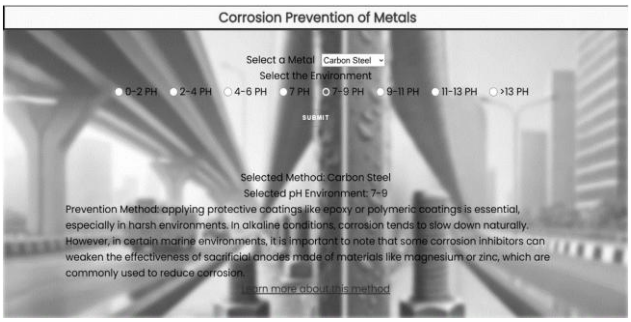
21: 2025/04702. 22: 2025/06/02. 43: 2026/02/03
51: C23F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KAMBLE, Khushi Rahul, CHAVHAN, Vaibhav Vinod, UNDALE, Chaitanya Kishor, MOTGHARE, Sanchit Rustam, KULKARNI, Aparna, SHINDE, Gitanjali Rahul, PATIL, Rutuja Rajendra, KULKARNI, Omkaresh Sakharam, BOBHATE, Grishma Yadav, MAHALLE, Parikshit Narendra

54: A SYSTEM SUGGESTING CORROSION PROTECTION METHOD OF VARIOUS METALS IN DIFFERENT PH ENVIRONMENT

00: -

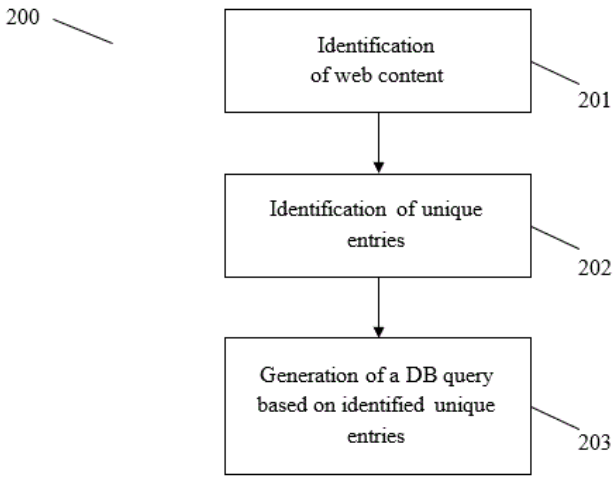
The present invention relates to a system suggesting corrosion protection method of various metals in

different pH environment. The proposed system is developed using Python, the system features a user-friendly graphical user interface (GUI) accessible to both experts and beginners. It utilizes a comprehensive database of peer-reviewed research to provide scientifically validated prevention strategies based on the selected metal and pH range. The system enables users to input metal type and environmental conditions, retrieving corrosion protection methods such as coatings, passivation treatments, and inhibitors. It offers adaptability by allowing database updates with new research findings. By automating data collection and analysis, the software ensures accuracy, efficiency, and time savings while enhancing users' understanding of corrosion science. This invention provides a reliable, customizable, and accessible tool for selecting optimal corrosion prevention techniques across diverse environments.



21: 2025/04703. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110700 32: 2025-04-24
54: METHOD FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS
00: -

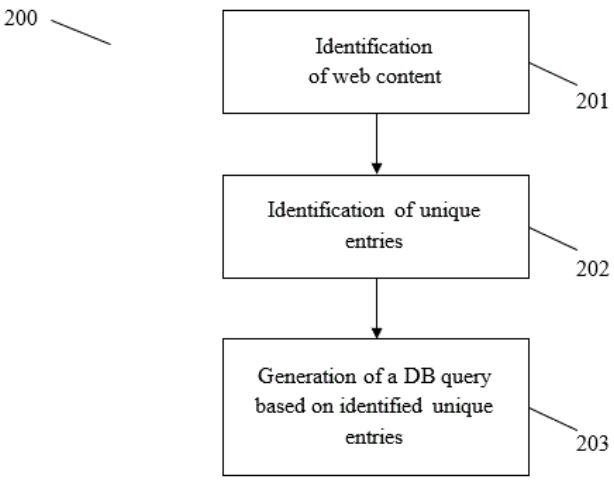
The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource 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: 2025/04704. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110699 32: 2025-04-24
54: METHOD FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS
00: -

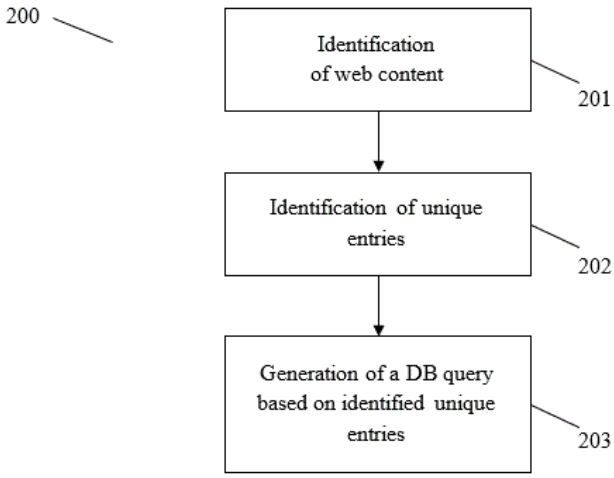
The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource 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.



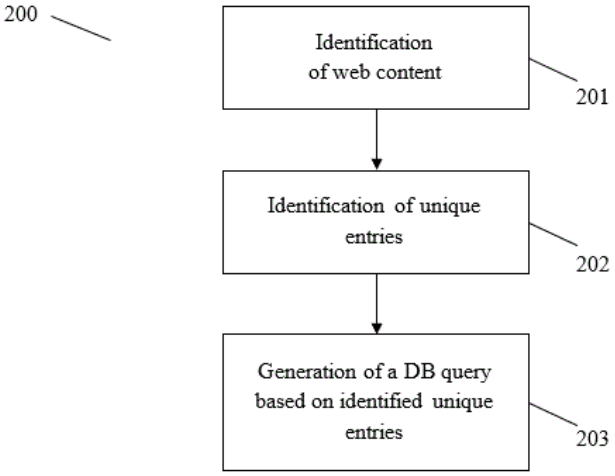
21: 2025/04705. 22: 2025/06/02. 43: 2026/02/03
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110703 32: 2025-04-24
54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS
00: -

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.

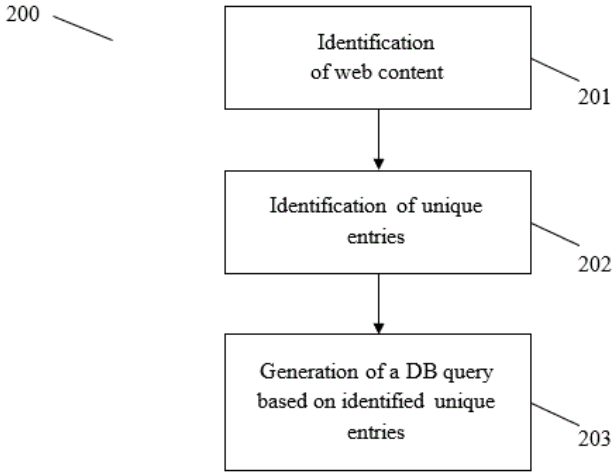


21: 2025/04706. 22: 2025/06/02. 43: 2026/02/04
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110704 32: 2025-04-24
54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS
00: -

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: 2025/04707. 22: 2025/06/02. 43: 2026/02/04
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110705 32: 2025-04-24
54: MACHINE-READABLE STORAGE MEDIUM 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: 2025/04716. 22: 2025/06/02. 43: 2026/01/30
51: A61K; C12N
71: JOINT STOCK COMPANY "BIOCAD"
72: TOLSTYKH, Dmitrii Aleksandrovich, SOZONOVA, Aleksandra Aleksandrovna, LOMKOVA, Ekaterina Aleksandrovna, FEDORENKO, Lina Igorevna, NAGIBINA, Galina Sergeevna, MOROZOV, Dmitry Valentinovich
33: RU 31: 2022130458 32: 2022-11-24
54: PHARMACEUTICAL COMPOSITION OF NON-ENVELOPED VIRUS
00: -
The present invention relates to the field of pharmaceuticals, gene therapy and medicine, specifically to pharmaceutical compositions of a vector based on recombinant non-enveloped virus, in particular recombinant adeno-associated virus (rAAV), which compositions may be used for the treatment and prophylaxis of various diseases.

21: 2025/04717. 22: 2025/06/02. 43: 2026/02/04
51: F22B
71: MACKWELL & CO. LIMITED
72: MACKWELL, Samuel James
33: NZ 31: 789534 32: 2022-12-20
54: CONTROL SYSTEM FOR A FORCED CIRCULATION STEAM GENERATOR
00: -
A control system for a forced circulation water tube steam generator, in which the system includes: a heat exchanger having an inlet and an outlet and arranged in use to be exposed to a heat source, such that steam can be generated from water passing through the heat exchanger; a steam separator having a steam outlet and a water outlet,

and an inlet which is connected to the outlet of the heat exchanger; a positive displacement pump connected to the water outlet of the steam separator, and arranged to supply water and/or a water/steam emulsion to the inlet of the heat exchanger; a feed water injector connected between the outlet of the heat exchanger and said positive displacement pump; and a flowmeter, connected between the water outlet of the steam separator and the inlet of the heat exchanger.

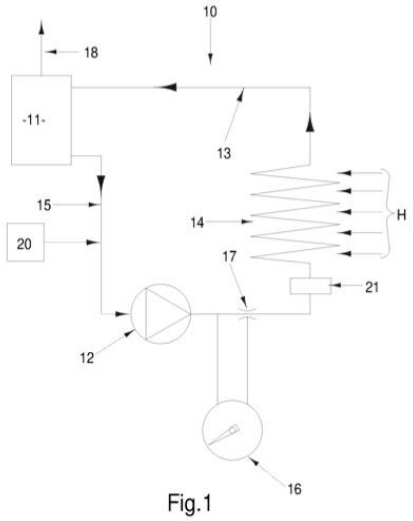


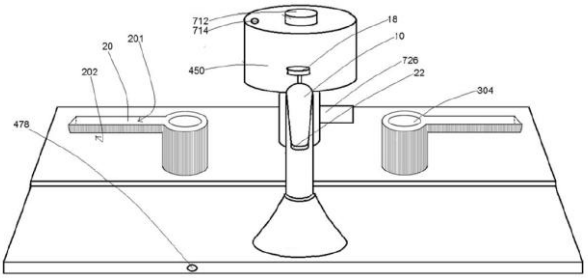
Fig.1

21: 2025/04726. 22: 2025/06/02. 43: 2026/02/04
51: A47K; B05B; E03C
71: WILKS, Freeman
72: WILKS, Freeman
33: US 31: 63/475,718 32: 2022-12-03

54: WASHABLE FAUCET LEVER WITH CRANK ACTIVATED DETERGENT DISPENSER

00: -

A washable faucet lever with crank-activated detergent dispenser having a lever cartridge having a stem operably coupled to a hand lever and a two-bar linkage configured to rotate in a linkage axis of rotation parallel to and simultaneous with a lever axis of rotation, a detergent reservoir member configured to house a liquid detergent therein and that includes a reservoir valve, an encasement member defining an enclosed region therein and an outlet, and having an outlet valve, wherein the dispenser includes a piston disposed within the enclosed region, coupled to the two-bar linkage, and operably configured to translate within the enclosed region upon rotating the hand lever in the lever axis of rotation to selectively and simultaneously displace the reservoir valve and outlet valve to permit flow of the liquid detergent through an internal channel of the reservoir member, into the enclosed region, and out through the outlet.



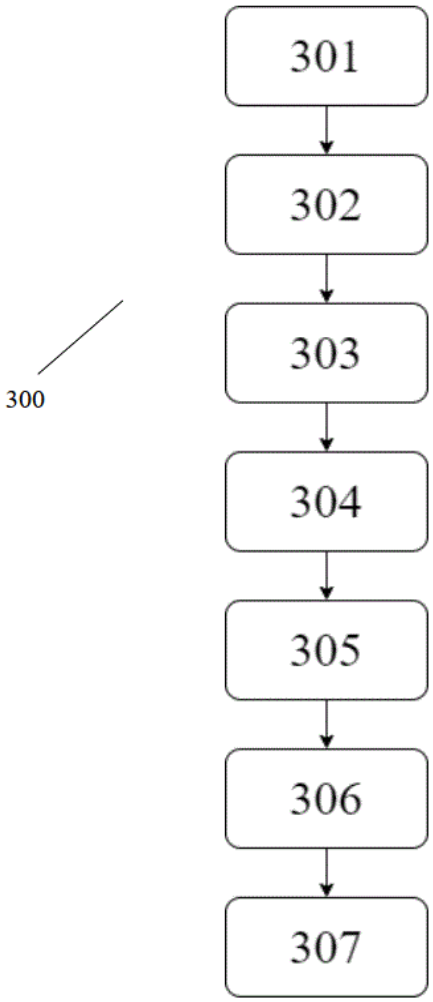
21: 2025/04734. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110926 32: 2025-04-26

54: METHOD FOR DISTRIBUTING DOSAGE FORMS

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products

and/or implementations related to storage and distribution of dosage forms

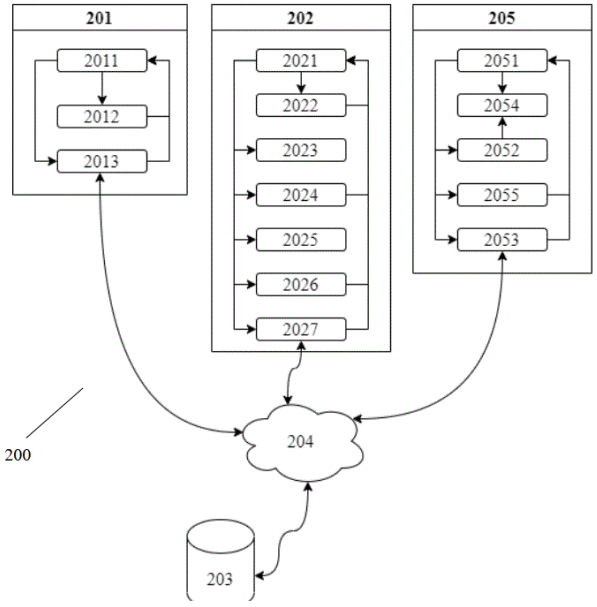


21: 2025/04735. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110927 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNAL

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms



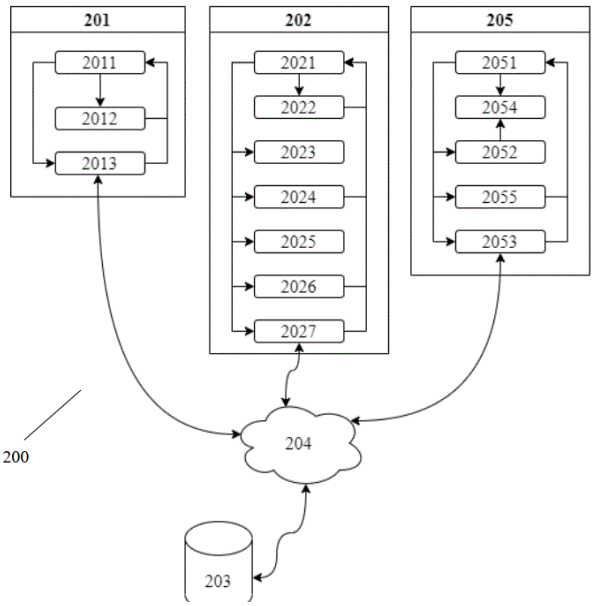
21: 2025/04736. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110928 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING CONTROL SIGNAL

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

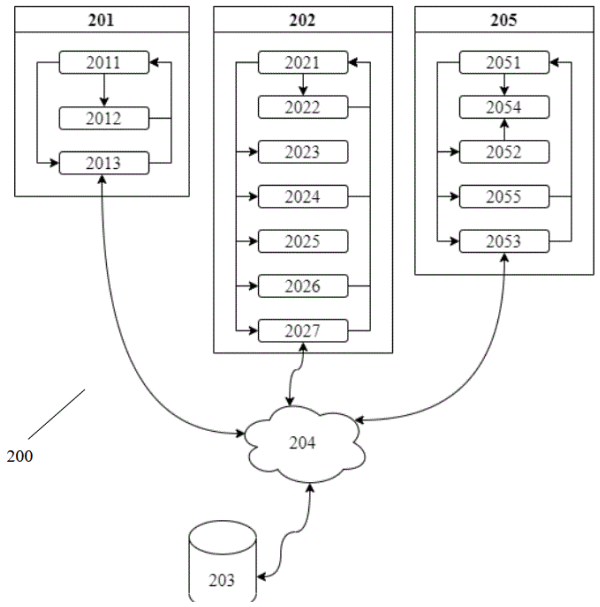


21: 2025/04737. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110929 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

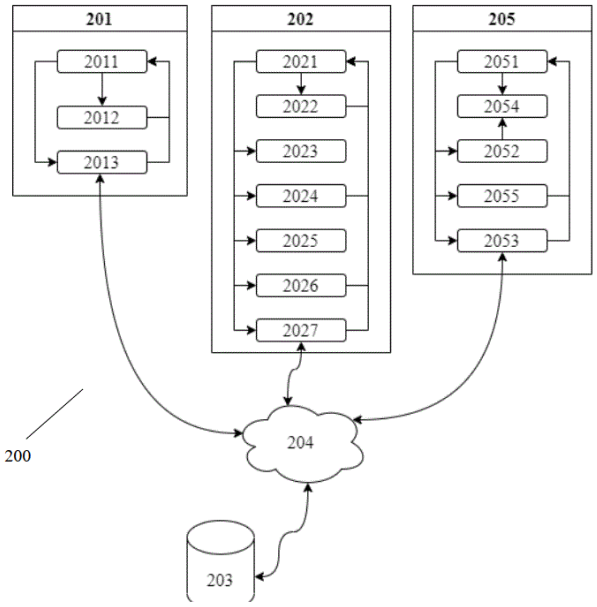


21: 2025/04738. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110930 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING CONTROL SIGNAL

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms



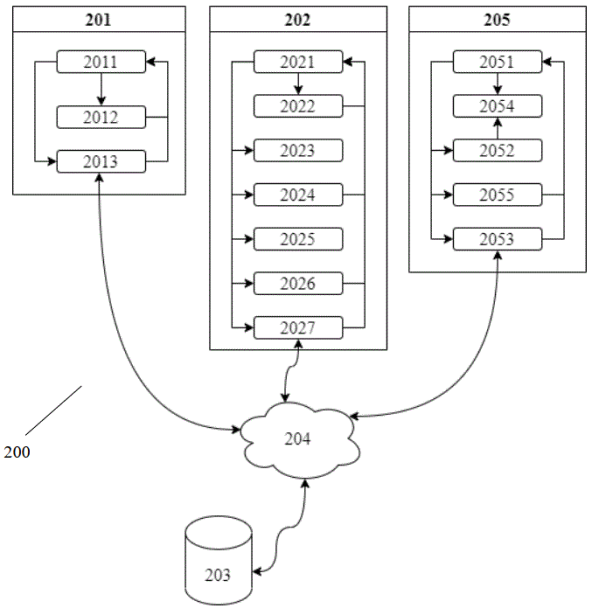
21: 2025/04739. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110938 32: 2025-04-26

54: SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING WITH SERVER

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a

stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

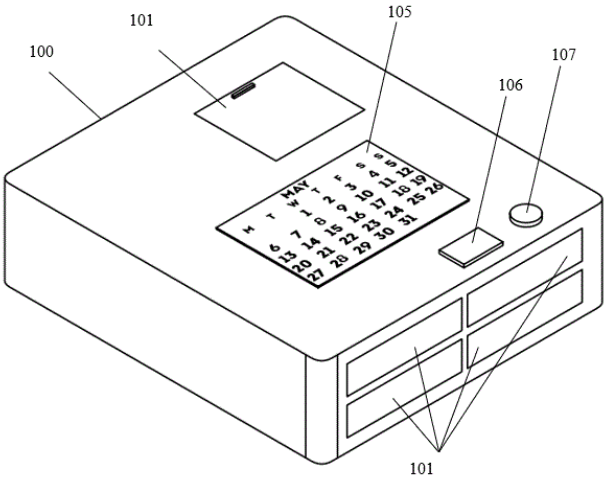


21: 2025/04740. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110933 32: 2025-04-26

54: METHOD OF STORING DOSAGE FORMS IN ORIGINAL PACKAGING

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms



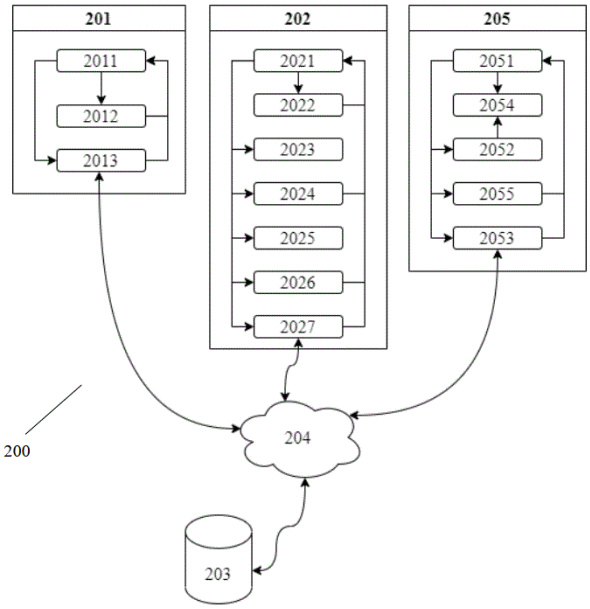
21: 2025/04741. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110936 32: 2025-04-26

54: SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

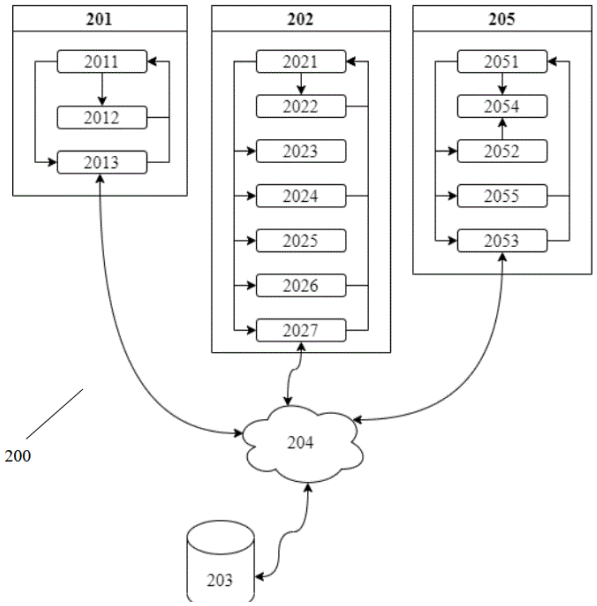


21: 2025/04742. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110931 32: 2025-04-26

54: MACHINE-READABLE STORAGE MEDIUM FOR DISTRIBUTING DOSAGE FORMS

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

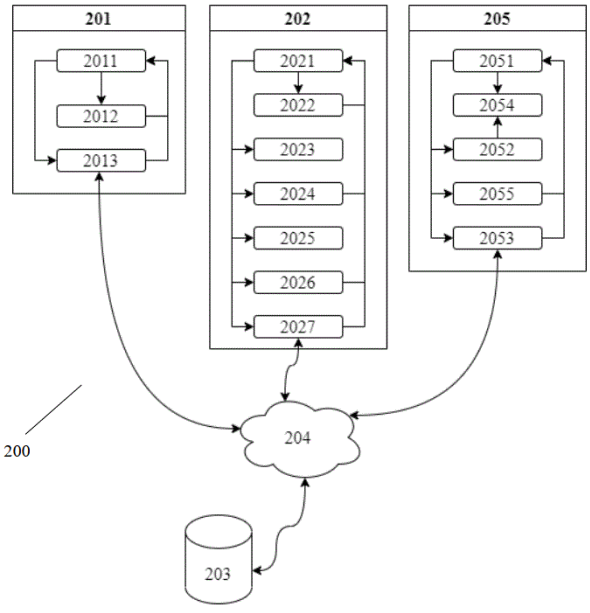


21: 2025/04743. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110940 32: 2025-04-26

54: SERVER FOR A SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms



21: 2025/04744. 22: 2025/06/03. 43: 2026/02/04

51: A61J; G06F

71: LIMITED LIABILITY COMPANY INSESCAN

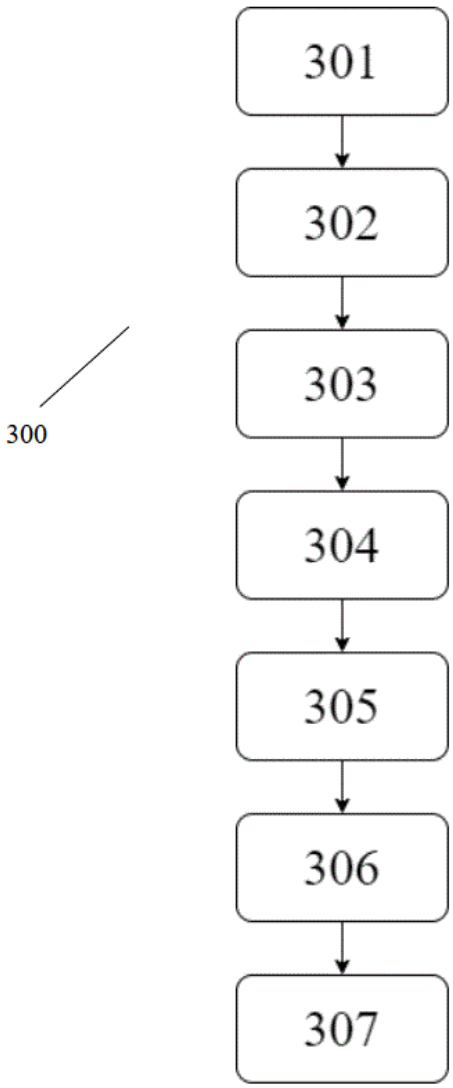
72: KRAVCHENKO Alexander Aleksandrovich

33: RU 31: 2025110922 32: 2025-04-26

54: METHOD FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNAL

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

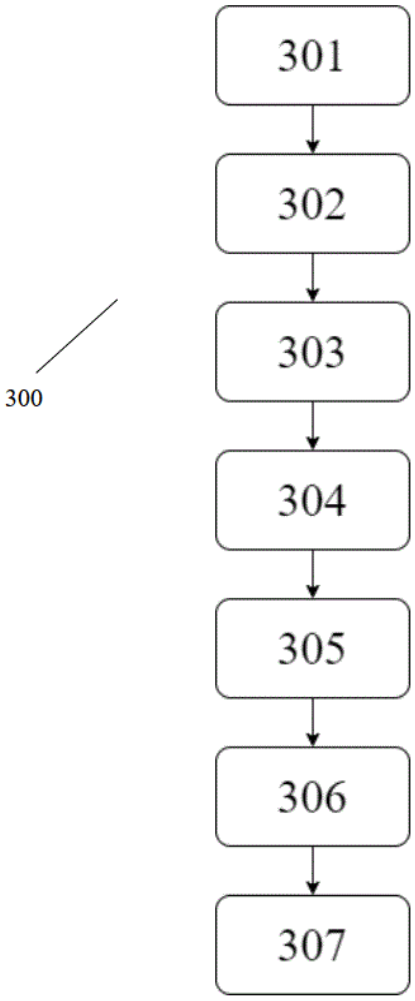


21: 2025/04745. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110934 32: 2025-04-26

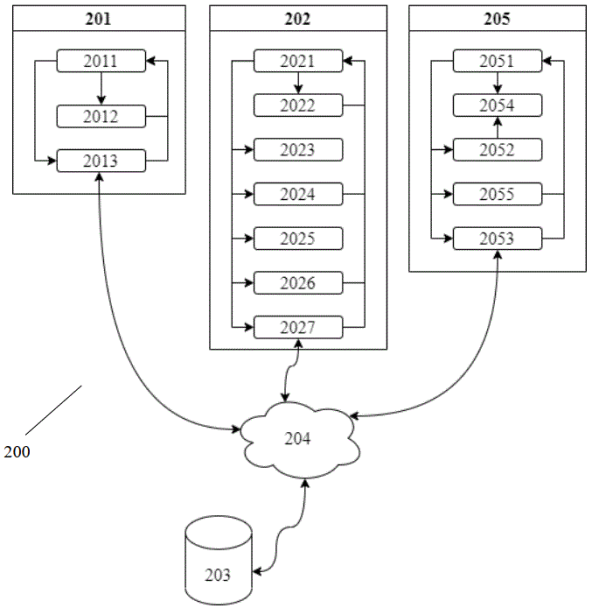
54: METHOD OF DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

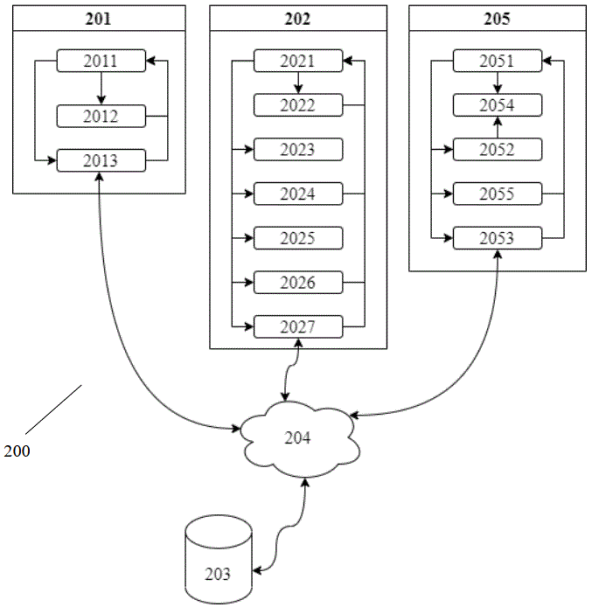


21: 2025/04746. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110935 32: 2025-04-26
54: SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING
00: -
The proposed invention relates to methods and means 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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms



21: 2025/04747. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110937 32: 2025-04-26
54: SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING WITH SERVER
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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body

that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

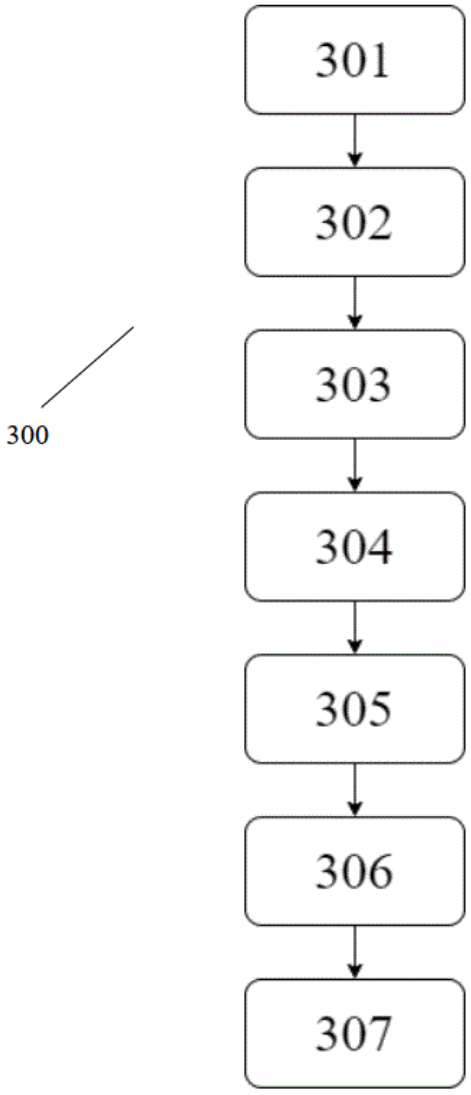


21: 2025/04748. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110925 32: 2025-04-26

54: METHOD FOR GENERATING CONTROL SIGNAL

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms

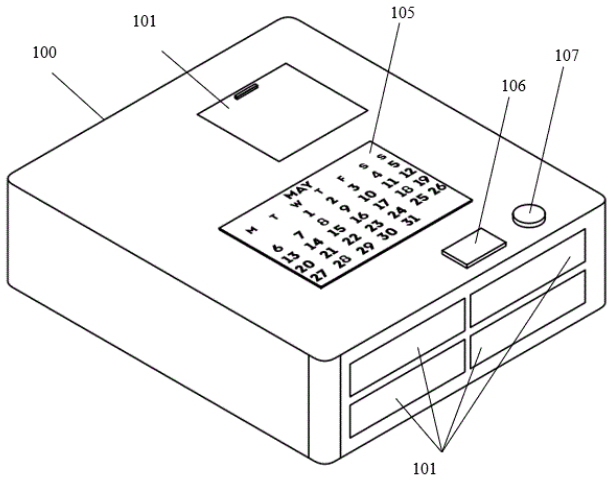


21: 2025/04749. 22: 2025/06/03. 43: 2026/02/04
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110932 32: 2025-04-26

54: DEVICE FOR STORING AND DISTRIBUTING DOSAGE FORMS

00: -

The proposed invention relates to methods and means for storing and distributing dosage forms and can be used for secure storage of dosage forms and for accessing stored dosage forms, for example, according to a schedule or in response to an identified body status. The technical problem to be solved by the proposed invention is to provide methods and/or products and/or implementations that make it possible to store and distribute dosage forms in their original packaging without opening it and to automatically access a dosage form and/or to signal that it is time to use a dosage form, including by means of a device for storing and distributing dosage forms. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms



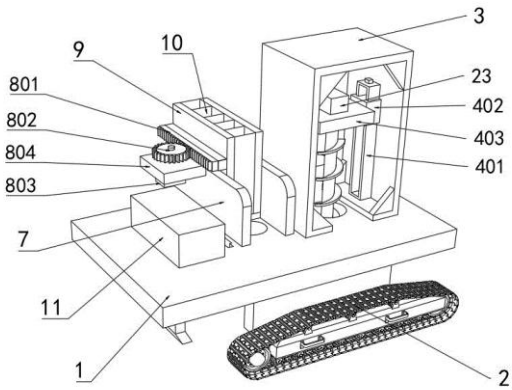
21: 2025/04750. 22: 2025/06/03. 43: 2026/02/04
51: A01G

71: XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY CHINESE ACADEMY OF SCIENCES
72: ZHANG Heng, FAN Jinglong, JIANG Youwei, ZHANG Ping, WANG Haifeng

54: DESERT SAND FIXATION AND SAND PREVENTION RAPID TREE PLANTING DEVICE

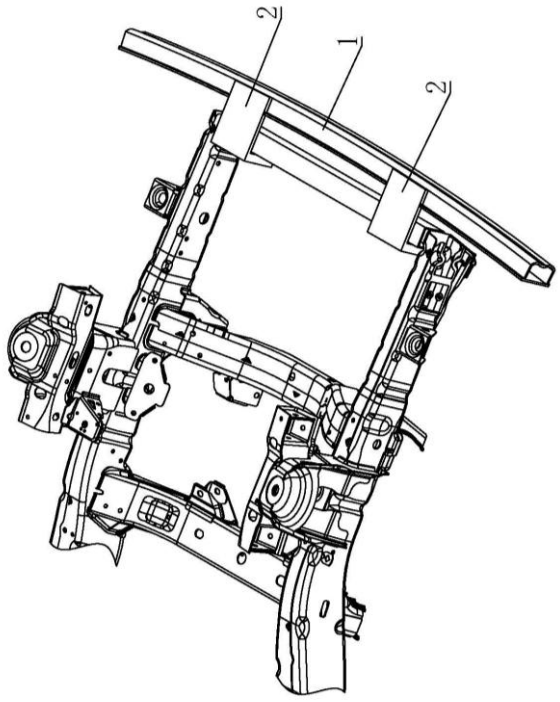
00: -

The present invention relates to the technical field of desert afforestation, and discloses a desert sand fixation and sand prevention rapid tree planting device. The device comprises: a drilling assembly including a rotating rod, a spiral blade, and a first driving member, where the spiral blade is fixedly mounted on the rotating rod, the rotating rod penetrates a vehicle body, and the first driving member is installed on the vehicle body to drive the rotating rod to move vertically; a seedling placement assembly including a seedling carrier rail, a seedling carrier box, and a second driving member, where the seedling carrier rail is fixedly connected above the vehicle body, the seedling carrier box is slidably connected to the seedling carrier rail, and the second driving member is fixedly installed on the seedling carrier rail and the seedling carrier box to drive the seedling carrier box to slide; and an irrigation assembly configured to water the seedlings. The drilling assembly facilitates drilling in desert terrain. The seedling placement assembly is disposed behind the drilling assembly to promptly place seedlings into the drilled holes after completion of drilling, followed by irrigation, thereby improving seedling survival rates.



21: 2025/04751. 22: 2025/06/03. 43: 2026/02/04
51: B60R
71: Henan Yuexin Intelligent Machinery Co., Ltd

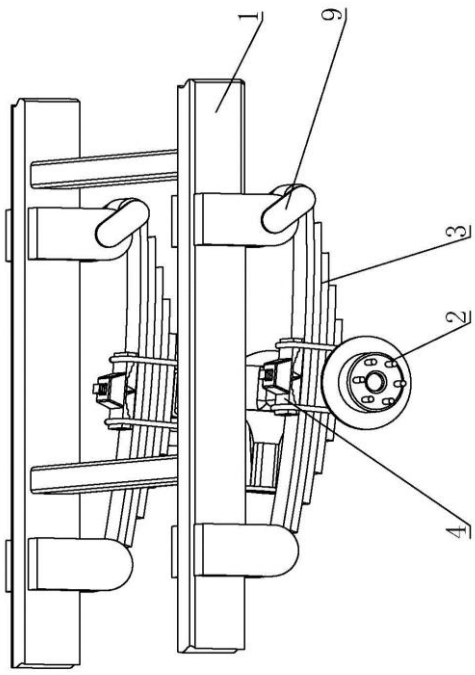
72: Ye Yongwang, Gao Tienan, Zhao Qianyang
54: A BUMPER CONNECTION DEVICE FOR MINING DUMP TRUCKS
00: -
The present invention belongs to the field of automotive equipment and discloses a bumper connection device for mining dump trucks, comprising a crossbeam. The crossbeam is fixed with multiple bent plates, which are L-shaped. One end of the bent plate is welded to the top surface of the crossbeam, and the other end is parallel to the side wall of the crossbeam. A push rod is provided between the crossbeam and the bent plate, and a clearance slot is opened on both sides of the push rod. A flat plate is provided in the middle of the push rod, and the flat plate can slide relative to the push rod. Each flat plate on both sides of the push rod is provided with a through slot, and a self-locking module is provided in the through slot. A support rod is hinged on the self-locking module, and the other end of the support rod extends into the clearance slot. The self-locking module can keep the support rod always pressed against the side wall of the clearance slot. Disassembling the module can release the limit of the self-locking module on the two support rods;This invention solves the problem of easy loosening of bumper fixing bolts during driving.



21: 2025/04752. 22: 2025/06/03. 43: 2026/02/04
51: E21F
71: PASTORAL WATER CONSERVANCY SCIENCE RESEARCH INSTITUTE OF THE MINISTRY OF WATER RESOURCES
72: LI, Kaixuan, LIU, Tiejun, JIAO, Rui, JI, Gang, HAN, Zhenhua, LI, Zijing, FENG, Yaru, LIU, Hualin, ZHANG, Yanfei, BAI, Yawen, PENG, Kai, WANG, Jin
54: HYDROGEOLOGICAL SURVEY METHOD FOR UNDERGROUND COAL MINE
00: -
The present application discloses a hydrogeological survey method for an underground coal mine, which specifically includes the following steps: (1) ground investigation and information collection; (2) geophysical exploration; (3) drilling engineering; (4) hydrogeological test; (5) stratified monitor-ing and long-term observation; and (6) comprehensive analysis and achievement compilation. The survey method of the present application can significantly improve the survey accuracy and efficiency, provide technical support for the detailed survey of water hazards in coal mines, and thus effectively ensure the normal production safety of coal mines.

21: 2025/04753. 22: 2025/06/03. 43: 2026/02/04
51: B60G

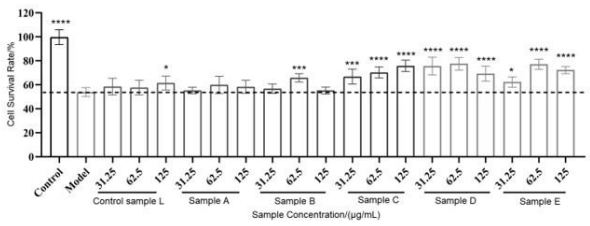
71: Henan Yuexin Intelligent Machinery Co., Ltd
72: Zhao Qianyang, Ye Yongwang, Gao Tienan
54: A SUSPENSION SYSTEM FOR A MINING DUMP TRUCK
00: -
The present invention belongs to the field of automobile manufacturing and discloses a suspension system for a mining dump truck, comprising a frame. An axle is provided below the frame, and a leaf spring is provided on each side of the axle. The two ends of the leaf spring are hinged to the frame on the same side. The middle of the leaf spring is fixed to the axle by a saddle bolt, and a shim is provided between the upper part of the leaf spring and the saddle bolt;The top surface of the shim is provided with a through slot, which is equipped with a pressing block. The upper end of the pressing block extends out of the through slot, and the pressing block cannot be separated from the through slot. A push block is provided below the pressing block, and a rubber block is provided in the through slot between the push block and the pressing block. A compensation module is provided between the shim and the leaf spring, and the rubber block always has a tendency to lift the shim upward through the compensation module;This invention solves the problem of loose saddle bolts on mining dump trucks.



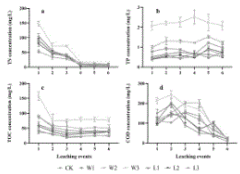
21: 2025/04758. 22: 2025/06/03. 43: 2026/02/04
51: G06N
71: Chongqing University of Technology, Chongqing Normal University
72: LI Gang, ZHOU Zheng, XU Chuanyun, WANG Ru, FAN Xinyu, RUAN Zihan, LV Pengfei, ZHOU Chunyu, DENG Jianglin, TAN Wei
33: CN 31: 2025101142135 32: 2025-01-24
54: FEW-SHOT OBJECT DETECTION METHOD BASED ON IMPLICIT FEATURE CONTRASTIVE LEARNING
00: -
The present invention discloses a few-shot object detection method based on implicit feature contrastive learning, and relates to the field of computer vision technology. The present invention at least includes the following steps: S1: obtaining a small sample target detection data set, and dividing and preprocessing the small sample target detection data set; S2: improving the FPD network model, and designing an implicit contrast learning framework for model training; S3: designing a feature mixing module, and using the Mixup feature mixing method to generate enhanced features. By analyzing the connection between contrast learning and feature aggregation methods, a new concept of implicit contrast learning is proposed, and at the same time, mixed feature sampling is introduced to generate enhanced features, and an implicit feature contrast

learning module is further proposed. By constructing enhanced positive and negative sample features and implicitly comparing them with query image RoI feature evidence, the model's ability to learn feature expression is improved, thereby improving the performance of small sample target detection.

21: 2025/04775. 22: 2025/06/04. 43: 2026/02/04
51: A61K; C08B; A61P
71: SOUTH CHINA UNIVERSITY OF TECHNOLOGY
72: YOU, Lijun, HUO, Junhui
54: ALGINATE WITH ANTI-PHOTOAGING ACTIVITY AND PREPARATION METHOD AND USE THEREOF
00: -
Disclosed is an alginate with anti-photoaging activity and a preparation method and use thereof. The alginate has a molecular weight of 10-350 kDa, a total sugar content of 40 wt%-80 wt%, a reducing sugar content of 3 wt%-16 wt%, and a uronic acid content of 40 wt%-80 wt%. The meth-od includes the steps: dielectric barrier discharge plasma degradation; and dialyzing and freeze-drying to obtain the alginate. The alginate can significantly improve the elastase inhibition rate and the cell survival rate of HaCaT cells after ultraviolet irradiation, has significant anti-photoaging ac-tivity, and can be used to develop anti-photoaging functional foods and skin care products. The preparation method using dielectric barrier discharge plasma has simple operations, is green and environmentally friendly, has no addition of exogenous chemical substances, and can significantly reduce the molecular weight of the alginate, thereby increasing the added value of seaweeds, broadening the application range of seaweeds.

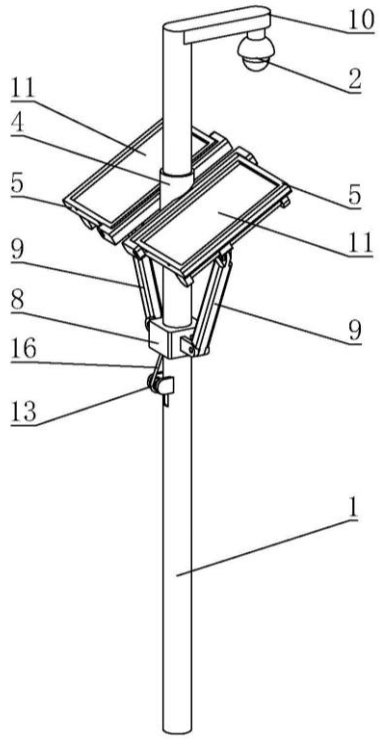


21: 2025/04776. 22: 2025/06/04. 43: 2026/02/04
51: A01G
71: Zhejiang Academy of Agricultural Sciences
72: HONG, Chunlai, LU, Xin, YAO, Yanlai, HONG, Leidong, ZHU, Weijing, ZHU, Fengxiang, ZHANG, Tao, GUO, Rui, WANG, Weiping
33: CN 31: 202411361669.3 32: 2024-09-27
54: PREPARATION AND APPLICATION OF ENVIRONMENT-FRIENDLY FLOWER AND NURSERY STOCK CULTIVATION SUBSTRATE
00: -
The present invention relates to preparation and application of an environment-friendly flower and nursery stock cultivation substrate. An environment-friendly flower and nursery stock cultivation substrate includes the following components in parts by volume: 30-40 parts of waste-derived humus soil; 10-20 parts of mineral materials; 6-8 parts of functional microbial inoculants; and 20-25 parts of tea residue. An application of the environment-friendly flower and nursery stock cultivation substrate in resource utilization of mineralized waste-derived humus soil and green nursery stock cultivation. The present invention not only realizes the resource reuse of waste-derived humus soil as a nursery stock cultivation substrate, but also effectively reduces environmental emissions of pollution factors such as carbon, nitrogen, phosphorus, heavy metals and microplastics during substrate cultivation by regulating and controlling the formula raw materials and composition of the cultivation substrate, thereby achieving green and low-carbon utilization of waste-derived humus soil.



21: 2025/04777. 22: 2025/06/04. 43: 2026/02/04
51: H04N
71: Lishui Rongsen Forestry Development Co., Ltd
72: Jin Pan, Fang Jianfei, Zhang Turong, Zhang Jianxing, Wu Xinhui
54: MONITORING, EARLY WARNING, AND SAFETY PREVENTION EQUIPMENT FOR THE FORESTRY AND GRASSLAND INDUSTRY SITUATION
00: -
The present invention belongs to the field of forest and grass monitoring, and discloses a monitoring, warning, and safety prevention equipment for the

forest and grass industry situation. The equipment includes a vertical pole, a camera is fixed at the top of the vertical pole, a retaining ring is coaxially fixed in the middle of the vertical pole, and a bearing sleeve is provided above the retaining ring. A flat panel is hinged on both sides of the bearing sleeve, and a sliding rail is fixed at the bottom of the flat panel. The sliding rail is provided with a slider, and a rectangular block is provided below the retaining ring. There is a connecting rod hinged on both sides of the rectangular block, and the other end of the two connecting rods is hinged to the two sliders. A torsion spring is provided between the rectangular block and the connecting rod, and the torsion spring always causes the two flat panels to close in the direction close to the vertical pole. The closed flat panel and rectangular block can rotate freely around the When the block slides downwards, it can unfold and fix two flat panels, and the flat panels always face in one direction after unfolding;This invention solves the problem of easy damage to forest and grass monitoring and prevention equipment during strong wind weather.



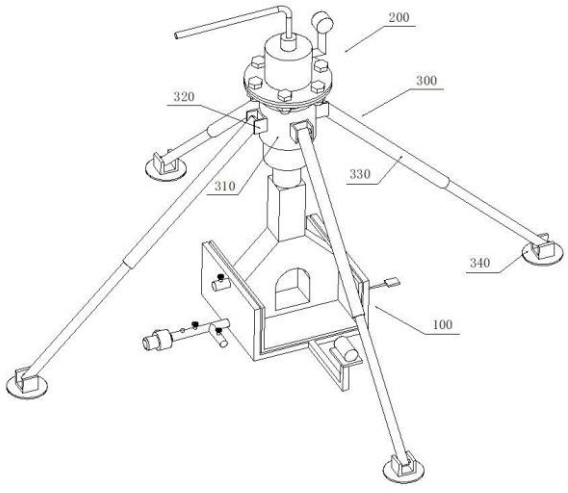
21: 2025/04779. 22: 2025/06/04. 43: 2026/02/04
51: G01N

71: Anhui University of Science and Technology
72: WANG Jiong, MU Chaomin

54: TESTING SYSTEM AND METHOD FOR PROTECTIVE ENGINEERING FAILURE UNDER STRONG IMPACT

00: -

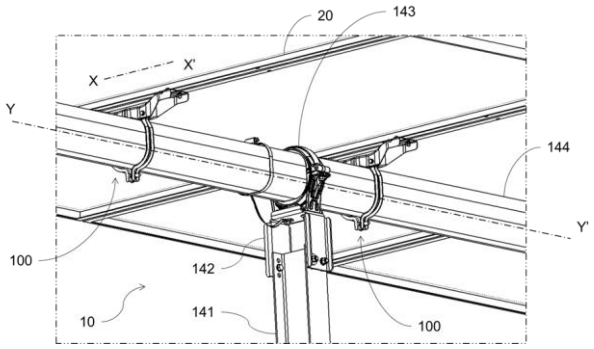
The present invention belongs to the technical field of civil engineering protection researches, and specifically to a testing system and method for protective engineering failure under strong impact. The device includes a bearing assembly, an impact assembly, a support assembly and a testing system, the bearing assembly includes a cylinder body, and a gas storage pipe is filled with gas by a high-pressure air pump. When the gas reaches a test standard, a solenoid valve is opened, and the high-pressure gas enters an air cylinder, driving a piston to move. When the piston moves, it drives a column-prism impact pile to generate a strong impact on a protective engineering, determining failure characteristics of the protective engineering under different impact strength, different confining pressures, and coupled effects of confining pressure and temperature. In this device, the gas drives the piston, and the piston drives the column-prism impact pile, ensuring simulated impact testing on the protective engineering. Compared to energy generated by the explosion of explosives used as a power source in the related art, this device is safer, and test preparation procedures are simpler.



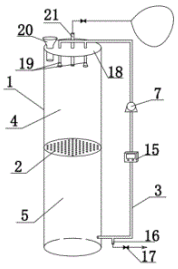
21: 2025/04804. 22: 2025/06/05. 43: 2026/02/04
51: A01K; A23K; A61K; A61P

71: Xinjiang Agricultural University
72: LI, Fengming, LI, Yonggang, LIU, Jiancheng, CHEN, Kaixu, XIE, Xinjie, YANG, Kailun
33: CN 31: 202510074385.4 32: 2025-01-16
54: APPLICATION OF CALCIUM BETA-HYDROXY-BETA-METHYLBUTYRATE IN IMPROVING PRODUCTION PERFORMANCE OF HORSES
00: -
The present invention provides an application of calcium beta-hydroxy-beta-methylbutyrate in improving production performance of horses, which belongs to the technical field of animal breeding. According to the present invention, research shows that supplementation with the calcium beta-hydroxy-beta-methylbutyrate can significantly improve a milk yield of mares, but has no obvious influence on milk composition. The supplementation with the calcium beta-hydroxy-beta-methylbutyrate can reduce the plasma urea content on day 30; and on day 60, the supplementation with the calcium beta-hydroxy-beta-methylbutyrate can significantly reduce the blood sugar content, the total bilirubin content and the triglyceride content, and improve the total protein content. The calcium beta-hydroxy-beta-methylbutyrate can effectively improve the production performance of the mares.

21: 2025/04807. 22: 2025/06/05. 43: 2026/02/04
51: H02S
71: CHANGZHOU ARCTECH SOLAR NEW ENERGY TECHNOLOGY CO., LTD
72: YU, Zhengming, SHEN, Guangsheng, CHEN, Meng
33: CN 31: 2025207954762 32: 2025-04-24
54: PURLIN, PURLIN ASSEMBLY AND PHOTOVOLTAIC BRACKET
00: -
Purlins, purlin assemblies and photovoltaic brackets are disclosed. The purlin assembly comprises a purlin and two clamps. The purlin comprises two first plates and a second plate forming a receiving groove, where the clamps are pivoted via pre-installation rivets. One side of the purlin and the clamps jointly fasten a main shaft. The other side connects to photovoltaic modules. The purlin comprises a central region and two end regions. In the central region, the second plate and the receiving groove form convex shapes wider at center. Uniform load transfer and structural rigidity are achieved through surface fitting and rigid-flexible coupled force transmission. The reinforcing protrusion at the purlin's center, combining optimized diagonal force transmission, disperses dynamic loads. With pre-installation rivets and pivoted clamps, high-precision pre-installation and modular pivoting structure are achieved, facilitating non-destructive disassembly-assembly, robot gripping and automated construction.



21: 2025/04809. 22: 2025/06/05. 43: 2026/02/04
51: C12M
71: Zhejiang University of Science and Technology
72: WANG, Lanting, YUAN, Kaichong, WANG, Jingyuan, MA, Tengshuang, SHAN, Shengdao
33: CN 31: 202510549409.7 32: 2025-04-28
54: BIOREACTOR AND ANAEROBIC REACTION TEST DEVICE
00: -
Disclosed are a bioreactor and an anaerobic reaction test device. The bioreactor includes an anaerobic reaction tank, a magnetite fixing device and a reflux pipe, where the magnetite fixing device is arranged in a middle area of the anaerobic reaction tank to separate the anaerobic reaction tank into an upper cavity and a lower cavity. The magnetite fixing device includes magnets and a fluid channel, and a magnetic field is formed between the magnets and the magnetite. The fluid channel penetrates the magnetite fixing device, and the magnets are provided with through holes in communication with the fluid channel or the magnets are placed at positions where the fluid channel are not blocked. One end of the reflux pipe configured to be in communication with the lower cavity and the upper cavity is provided with a liquid pump.

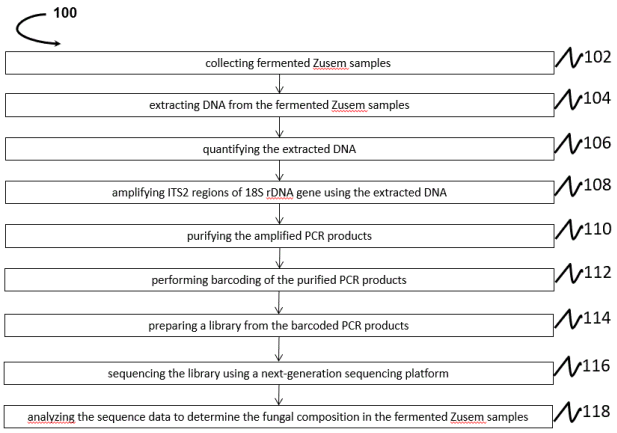


21: 2025/04811. 22: 2025/06/05. 43: 2026/02/04
51: C12Q
71: Tali Jungla, Lydia Yeptho, Wati Temjen
72: Tali Jungla, Lydia Yeptho, Wati Temjen

54: A METHOD FOR METAGENOMIC ANALYSIS OF FUNGAL REPERTOIRE IN FERMENTED ZUSEM

00: -

The present invention provides a culture-independent metagenomic method for analyzing fungal communities in Zusem, a traditional fermented bamboo shoot product. The method encompasses systematic steps including sample collection, DNA extraction using PowerSoil Kit, amplification of ITS2 regions, library preparation with unique barcoding, and Illumina MiSeq sequencing. The comprehensive bioinformatic pipeline includes quality control, read processing, OTU clustering at 97% similarity, and taxonomic classification using the UNITE fungal database. Statistical analysis of alpha diversity is performed using the Phyloseq R package. This standardized approach enables detailed characterization of fungal diversity in traditional fermented foods, providing insights into microbial communities that contribute to Zusem's unique properties.



21: 2025/04812. 22: 2025/06/04. 43: 2026/02/04
51: G09B; G06Q
71: WENTWORTH, NICHOLAS JAYDE, TEMBA, NKOSINATHI EMMANUEL LUVUYO
72: WENTWORTH, NICHOLAS JAYDE, TEMBA, NKOSINATHI EMMANUEL LUVUYO
33: ZA 31: 2022/12102 32: 2022-11-07

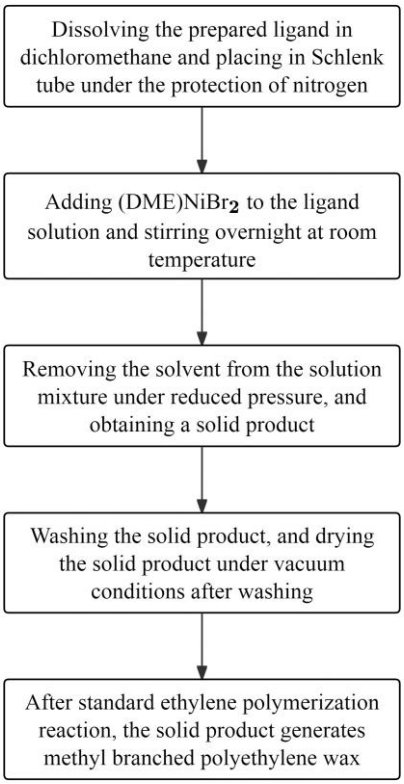
54: A SYSTEM AND METHOD FOR TEACHING A STUDENT SELF-DISCIPLINE, DEDICATION, DRIVE, AND APPRECIATION OF FINANCES

00: -

A method for educating and teaching a student self-discipline, dedication, drive, and appreciation of finances comprising linking a payment received from a student benefactor to a system administrator account; creating an interface on which points allocated to said student is depicted; obtaining performance data via a performance tracking arrangement throughout a performance period, from external sources containing a student performance track record, and storing same on, or linking same to, server means; and determining, firstly, a number of points equivalent to the sum of money received from said benefactor and, secondly, subtracting from or increasing said first allocated number of points to generate an available number of points, depending on the most recent performance data, and making said available number of points available for use by said student. The invention extends to a software implemented system.

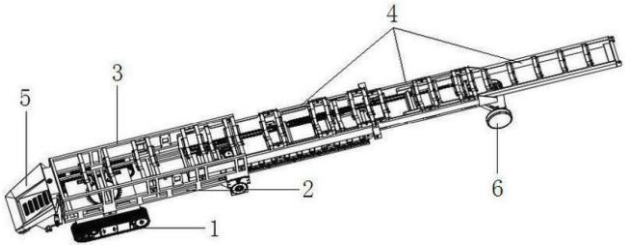


21: 2025/04817. 22: 2025/06/05. 43: 2026/02/05
51: C07F; C08F
71: HuangShan University
72: CHANG, Guanru, LI Changjiang, CHENG, Ziyang, CHEN, Long, GUO, Min, DAI, Shengyu, WU, Bin
33: CN 31: 2024105624344 32: 2024-05-08
54: METHOD FOR SYNTHESIZING BRANCHED POLYETHYLENE WAX BY MEANS OF NICKEL CATALYSIS BY USING MIXED SPATIAL STRATEGY
00: -
A method for synthesizing a branched polyethylene wax by means of nickel catalysis by using a mixed spatial strategy, which method relates to the technical field of preparation of a polyethylene wax. The method comprises the following steps: firstly formulating a ligand, dissolving the ligand in dichloromethane, placing same in a Schlenk tube under the protection of nitrogen, then adding (DME)NiBr2 into the ligand solution, stirring same overnight at room temperature, then removing the solvent from the solution mixture under reduced pressure conditions, so as to obtain a solid product, then washing the solid product, drying the solid product under vacuum conditions after washing, so as to obtain a nickel complex as a catalyst, and finally subjecting the nickel complex to a standard ethylene polymerization reaction to generate a methyl-branched polyethylene wax. An equal amount of (DME)NiBr2 and a corresponding ligand are reacted in dichloromethane, so as to obtain the branched polyethylene wax after the standard ethylene polymerization reaction, wherein the branched polyethylene wax has the advantages of a low molecular weight, high branching degree, a low melting point and a low viscosity.

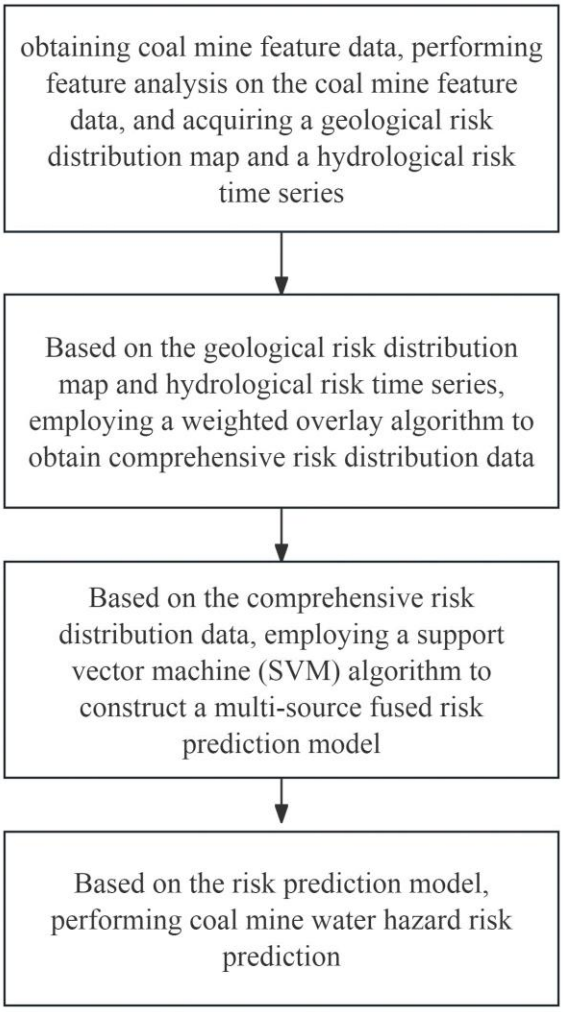


21: 2025/04831. 22: 2025/06/05. 43: 2026/02/04
51: B65G
71: CCTEG TAIYUAN RESEARCH INSTITUTE CO., LTD., SHANXI TIANDI COAL MINING MACHINERY CO., LTD
72: JIAO, Hongzhang, GUO, Wenxiao, LI, Gang, JIANG, Lingyan, LIU, Lei, ZHAO, Haiwei, HAO, Chenglin, ZHENG, Yuepeng, LIU, Yubo, ZHANG, Shaopeng, ZHOU, Kai, ZHANG, Yinxing, XIE, Xuebin, WANG, Teng, Zhao, Xin
33: CN 31: 2022115900271 32: 2022-12-12
54: MULTI-STAGE ACTIVE TELESCOPIC BELT CONVEYOR
00: -
The present disclosure belongs to the technical field of underground mining transfer apparatuses for coal mines. A MULTI-STAGE ACTIVE TELESCOPIC BELT CONVEYOR includes a traveling portion and a rotary chassis arranged on the traveling portion, where a main frame body is arranged on the rotary chassis, a primary telescopic assembly is arranged on the main frame body, one end of the primary telescopic assembly is connected to a rotary unloading portion, the other end of the primary telescopic assembly is connected to multiple stages of sequentially connected secondary telescopic

assemblies, the secondary telescopic assemblies connected to the primary telescopic assembly slide along the primary telescopic assembly, the primary telescopic assembly and the secondary telescopic assemblies are driven by a driving device to slide and telescope relative to each other, and the adjacent secondary telescopic assemblies slide relative to each other; multiple groups of carrier roller assemblies for bearing a belt are arranged on the primary telescopic assembly and the secondary telescopic assemblies; limiting devices are arranged at ends of the primary telescopic assembly and the secondary telescopic assemblies and are configured to limit telescopic lengths of the secondary telescopic assemblies; and a supporting wheel is arranged at a bottom of the secondary telescopic assemblies. The transfer loader can actively move, turn, and telescope, thereby achieving single-machine operation and multi-machine tandem operation.

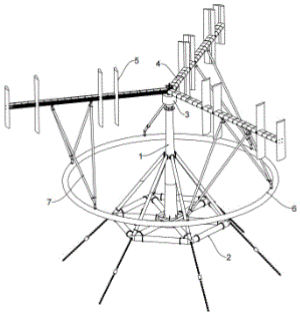


21: 2025/04838. 22: 2025/06/06. 43: 2026/02/04
51: G06Q
71: Suzhou University
72: XU Jiying, DAI Hongbao, ZHANG Haitao, YU Kai, DAI Shanshan
54: MACHINE LEARNING-BASED COAL MINE WATER HAZARD RISK PREDICTION METHOD AND SYSTEM
00: -
The present invention discloses a machine learning-based coal mine water hazard risk prediction method and system, including: using a data acquisition component to obtain coal mine feature data, performing feature analysis on the coal mine feature data, and acquiring a geological risk distribution map and a hydrological risk time series; based on the geological risk distribution map and the hydrological risk time series, using a comprehensive risk analysis component and employing a weighted overlay algorithm to obtain comprehensive risk distribution data; based on the comprehensive risk distribution data, using a prediction model training component and employing a support vector machine (SVM) algorithm to construct a multi-source fused risk prediction model; based on the risk prediction model, using a real-time risk prediction component to perform coal mine water hazard risk prediction. The present invention can dynamically monitor and update risk prediction results in real time, providing strong support for coal mine safety production, effectively reducing water hazard risks, and ensuring miners' safety and coal mine economic benefits.

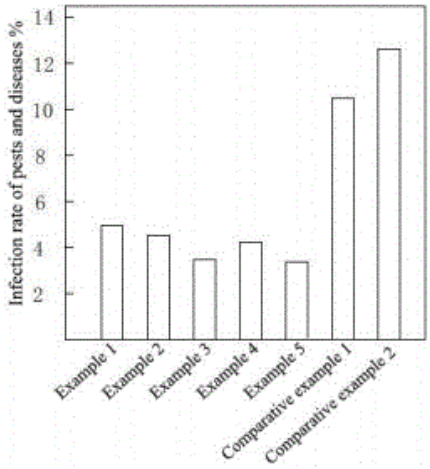


21: 2025/04839. 22: 2025/06/06. 43: 2026/02/04
51: F03D
71: Shaanxi Kerlimar Engineers Co., Ltd.
72: SUN, Ming
54: OFFSHORE FLOATING WIND POWER GENERATION EQUIPMENT

00: -
The invention belongs to the technical field of wind power generation, Offshore Floating Wind Power Generation Equipment, comprise the floating wind power generation main structure and a control system. Based on the system, the invention also discloses an adaptive regulation and control method for floating type wind power generation equipment, which can carry out an adaptive air-jet boosting scheme through a control device when the wind force on the sea is small. Also can carry out an adaptive leveling strategy through the control device when the power generation equipment is inclined. The present invention, by applying a reverse pull to the rising end of a floating bottom by an anchor chain, can offset the wave thrust, achieve a bottom reposition and smooth state at the horizontal level, and avoid intermittent power generation in breeze weather by means of high pressure jet propulsion.

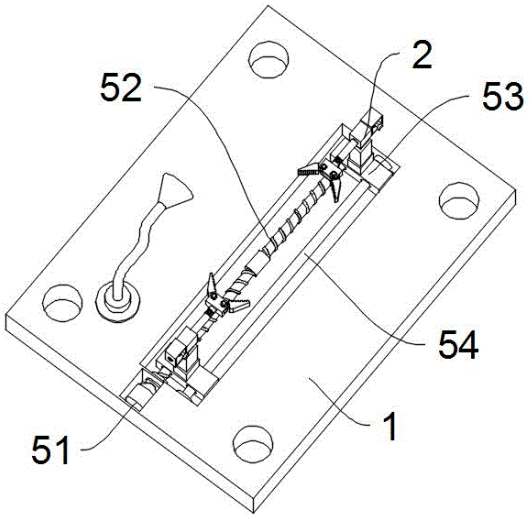


21: 2025/04840. 22: 2025/06/06. 43: 2026/02/04
51: A01G
71: Institute of Highland Forest Science, Chinese Academy of Forestry, Southwest Forestry University, Beijing Academy of Agriculture and Forestry Sciences, Yunnan Agricultural University
72: MA, Hong, SUN, Zhenghai, TENG, Ke, YU, Liangjun, YUE, Yuesen, ZHANG, Jingli
54: MULTI-EFFECT STRESS-RESISTANT AGENT FOR ORNAMENTAL GRASSES AND PREPARATION PROCESS THEREOF
00: -
A multi-effect stress-resistant agent for ornamental grasses and a preparation process thereof are provided. The multi-effect stress-resistant agent includes the following components: a multistage plant extract, wood vinegar, a trace element solution, and the balance being deionized water. The multi-effect stress-resistant agent for the ornamental grasses prepared by the present invention not only can promote the growth of ornamental grasses but also can reduce the incidence of pest and disease infections. In the multistage plant extract prepared in the present invention: Sansevieria extract is rich in polysaccharides and cold-resistant proteins. The polysaccharides can form a protective film on surfaces of plant cells, which can reduce water loss and enhance a water retaining capability of the ornamental grasses in an arid environment; and the cold-resistant proteins can lower a freezing point of cellular fluids, thereby improving the cold resistance of the ornamental grasses.

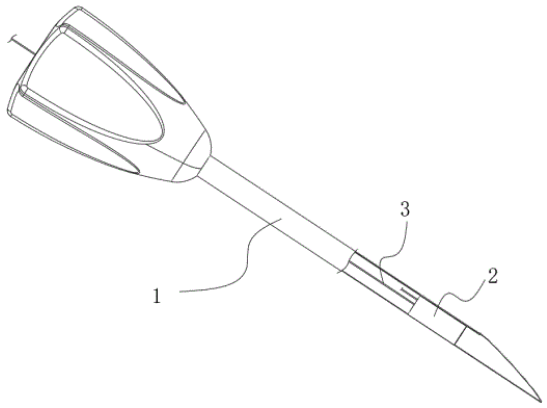


21: 2025/04841. 22: 2025/06/06. 43: 2026/02/04
51: B64D
71: Jinggangshan University
72: Qing Fu
54: AN AUXILIARY MOUNTING BRACKET FOR FLIGHT CONTROL OF A QUADROTOR UAV
00: -
The invention discloses an auxiliary mounting bracket for flight control of a quadrotor UAV, belonging to the field of UAV assembly. It addresses the problem of contact between the UAV wings and the workbench during flight control installation. The device comprises a workbench, linkage rods, clamping components, and transmission rods. Linkage rods are symmetrically mounted on the surface of the workbench, and transmission rods are rotatably mounted on the sides of the linkage rods. The ends of the transmission rods are equipped with clamping components for securing the UAV body. An adjustment mechanism is installed inside the workbench to adjust the distance between the linkage rods.In this invention, by providing a rotation

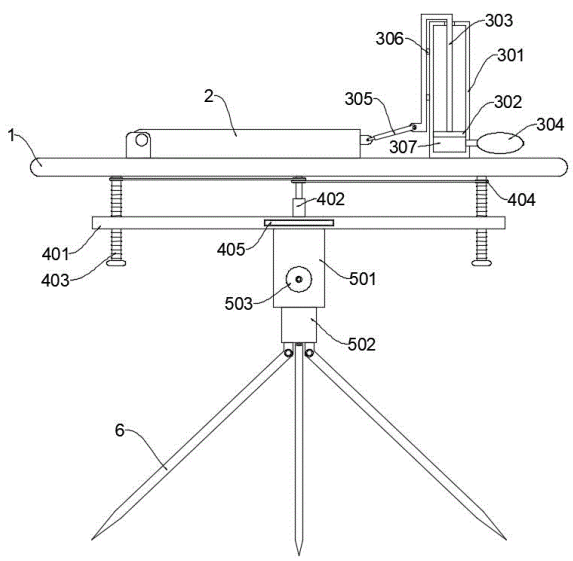
mechanism, an adjustment mechanism, and clamping components, the UAV body can be quickly and stably clamped and fixed, ensuring stability during flight control installation. This effectively prevents the UAV wings from contacting the surface of the workbench, thereby protecting the UAV's lifespan. Furthermore, the UAV body angle can be flexibly adjusted according to actual needs, ensuring the operational quality of the equipment.



21: 2025/04842. 22: 2025/06/06. 43: 2026/02/05
51: G01N
71: HEXI UNIVERSITY
72: Zhenxiang WANG, Qiong AN
33: CN 31: 2025105463987 32: 2025-04-28
54: A HEPATOCYTE SAMPLE COLLECTION DEVICE
00: -
This invention introduces a hepatocyte sample collection device in the medical collection field. It comprises a needle, a biopsy tube, a protective traction line, and a collection mechanism. The needle penetrates the hepatic vein, and the biopsy tube enters through the needle's channel. The front of the biopsy tube contains soft magnetic material and an ultrasound endoscope. An external electromagnetic navigation system controls the material's movement to the sampling site, while the endoscope monitors and transmits the tube's position via image signals. The protective traction line connects the biopsy tube's rear end, passes through the needle, and is manually controlled. The collection mechanism resides within the biopsy tube.

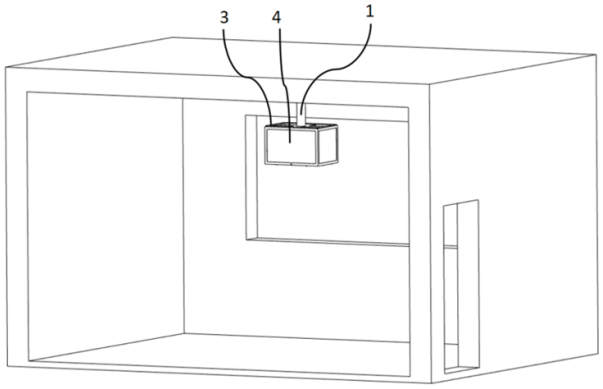


21: 2025/04844. 22: 2025/06/06. 43: 2026/02/04
51: F16M
71: Jinggangshan University
72: Qing Fu
54: A PORTABLE ANGLE-ADJUSTABLE TELESCOPIC SURVEYING SUPPORT
00: -
The invention discloses a portable angle-adjustable telescopic surveying support, which relates to the field of surveying and mapping. It comprises a base, a mounting platform, a height adjustment mechanism, and support legs. The mounting platform is arranged on the base, the height adjustment mechanism is located below the base, and the support legs are mounted on the height adjustment mechanism. The mounting platform is rotatably connected to the base, and an angle adjustment mechanism is provided on the base. The angle adjustment mechanism includes an air cylinder, a push rod, and an operation airbag. Through the configuration of the angle adjustment mechanism composed of the air cylinder, push rod, and operation airbag, the angle can be adjusted conveniently and quickly. At the same time, the height adjustment mechanism, which consists of a coarse adjustment structure and a fine adjustment structure, enables multi-level operations for height adjustment, thus accurately achieving the desired height.



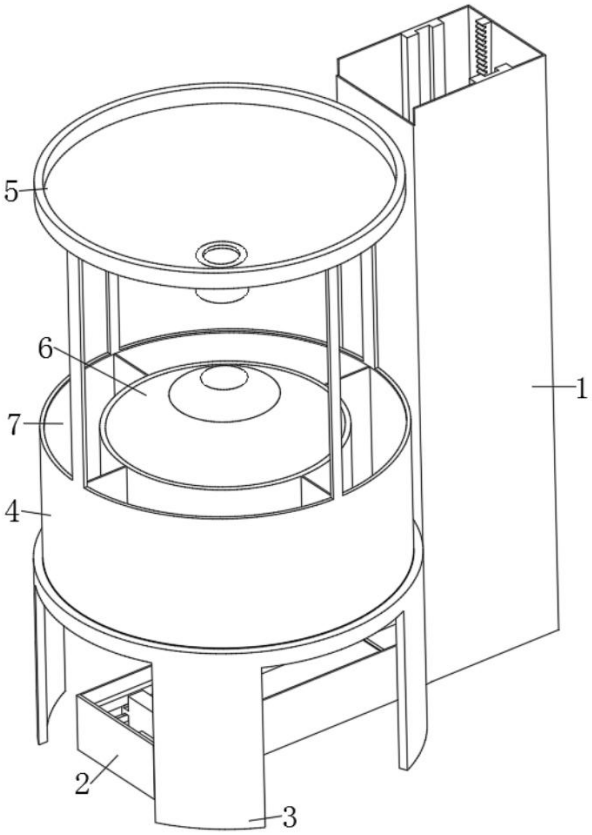
21: 2025/04847. 22: 2025/06/06. 43: 2026/02/04
51: G09B; G06T
71: JI'AN COLLEGE
72: QIN, Yulan, LIU, Qiankun, ZHOU, Min, LIU, Lan
54: BIM-BASED ENGINEERING COST AND SITE CONSTRUCTION AUXILIARY DEVICE
00: -

A BIM-based engineering cost and site construction auxiliary device, including: a mounting bracket which is detachably connected to a roof, a projection lamp which is coaxially and slidably connected to the mounting bracket, a top end of the projection bracket is fastened to a bottom end of the mounting bracket, and the side wall surfaces and the bottom end of the projection bracket are each provided with a projection window, and the projection films are inserted into the projection windows. The projection film performs transparency processing on the lines in the construction drawing, such that the light emitted by the lamp is projected onto the side wall surfaces of the wall body and the ground. This application addresses the issues of difficult installation, limited adjustability, and lack of BIM integration in traditional construction projection devices by combining the various elements with seamless integration of BIM techniques.



21: 2025/04849. 22: 2025/06/06. 43: 2026/02/04
51: G09B
71: NANCHANG INSTITUTE OF TECHNOLOGY
72: KANG, Shuiping
54: PROBABILITY DEMONSTRATION DEVICE
00: -

The present invention relates to the technical field of teaching equipment, and especially relates to a probability demonstration device, including a first transmission shell, the first transmission shell is fixedly connected with a second rack, the second rack is externally meshed with a fifth gear, the fifth gear is externally meshed with a fourth gear, the fourth gear is externally meshed with a third gear, the third gear is externally fixedly connected with a second motor, the second motor is externally fixedly connected with a transmission box body. The fifth gear rotates and moves upward along the meshed second rack, and the fifth gear moves upward to drive the transmission box body upward, and the transmission box body drives the internal ball upward until it moves to the top of the first transmission box body, which reduces the steps of the demonstration and improves the efficiency of the teacher's teaching.

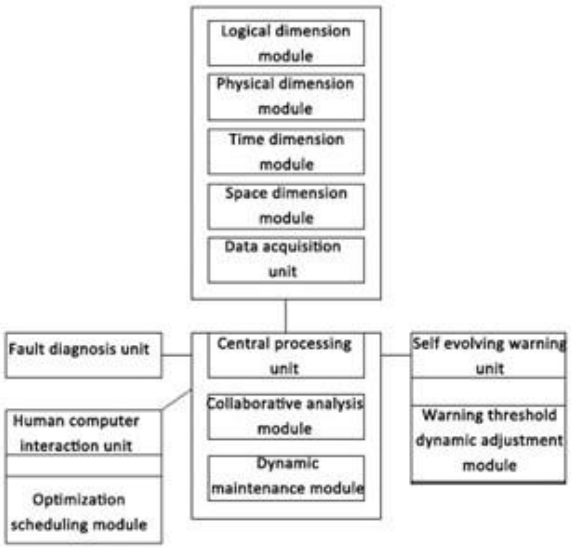


21: 2025/04850. 22: 2025/06/06. 43: 2026/02/04
51: G06F; G06N
71: INNER MONGOLIA LONGYUAN MENGDONG NEW ENERGY CO., LTD
72: YU, Chongyang, LI, Congmao, LI, Penghuan, BAI, Wenhao, OU, Xiaofei

54: REMOTE MONITORING AND INTELLIGENT FAULT DIAGNOSIS SYSTEM FOR WIND FARM

00: -

Disclosed is a remote monitoring and intelligent fault diagnosis system for a wind farm, comprising a central processing unit, a data acquisition unit connected to the central processing unit, for executing the deployment of a four-dimensional holographic sensing network, real-time monitoring of the operating status of wind turbines, a fault diagnosis unit connected, a self evolving warning unit as well as a human computer interaction unit connected to the central processing unit, establishing a wind turbine fault expert system, using professional knowledge in the wind power field to simulate various complex and specific problems that are usually solved by wind power experts through inference, achieving the same problem-solving ability as experts, and combining artificial intelligence and self-learning algorithms. The system can gradually improve the accuracy of fault prediction and diagnosis through continuous analysis of historical data, operation and maintenance records, self-learning and optimization of wind farms.



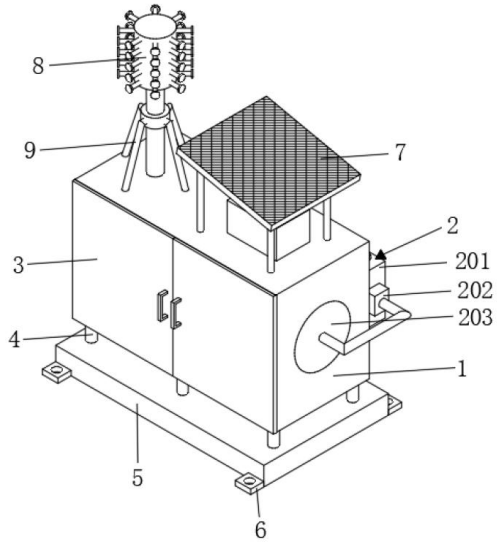
21: 2025/04851. 22: 2025/06/06. 43: 2026/02/04
51: F24F; H04B
71: XINYU UNIVERSITY
72: DU, Qiulai, JIANG, Chunlin, LIU, Hesheng, WU, Shilan

54: ELECTRONIC INFORMATION COMMUNICATION BASE STATION

00: -

The invention relates to an electronic information communication base station with a heat dissipation and dehumidification mechanism. The base station includes communication base station cabinets, with a cooling and dehumidification system consisting of a cooling box and a dehumidification box. A semiconductor cooler is fixed inside the cooling box, cooling the liquid within when turned on. Air circulates through the cooling box, where it is cooled via a heat exchange copper pipe and dehumidified through a drying plate in the dehumidification box, ensuring effective cooling and dehumidification. Solar panels are included to convert solar energy into electrical power for the device, making it energy-efficient and environmentally friendly. Support legs and positioning bases are used to elevate the cabinet, preventing water from entering. This setup improves the heat dissipation effect and ensures a

stable operating environment for the communication base station.

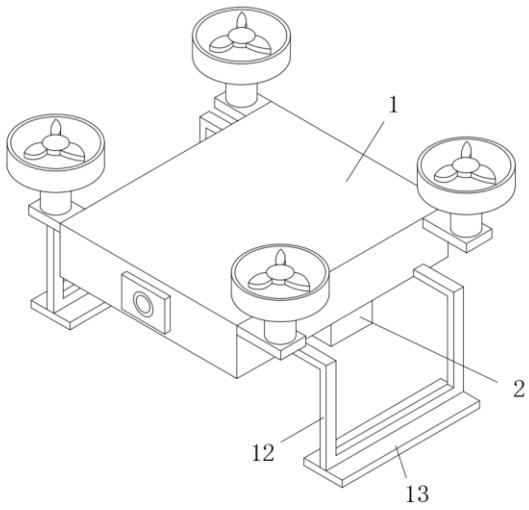


21: 2025/04852. 22: 2025/06/06. 43: 2026/02/04
51: B64D; G01M
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: ZHU, Songling, LU, Weijie, DONG, Kunpeng, JIA, Senchun

54: BUILDING OUTER WALL CONSTRUCTION QUALITY DETECTION DEVICE

00: -

The invention relates to a building outer wall construction quality detection device, comprising a drone body with a fixed box attached to its bottom. The fixed box contains an installation component and holds a detection box. The detection box is equipped with electric push rods on both sides of its inner cavity. The drone can fly and detect exterior walls at varying heights, expanding the detection range and enhancing detection efficiency. The detection box is easily detachable for convenient maintenance. The electric push rods allow for the removal and adjustment of ultrasonic and infrared detectors based on detection needs, improving the accuracy of the results. The device features an adjustment motor and adjustment plate to fine-tune the positioning of the detectors. This system provides effective, versatile, and convenient detection of building wall quality.

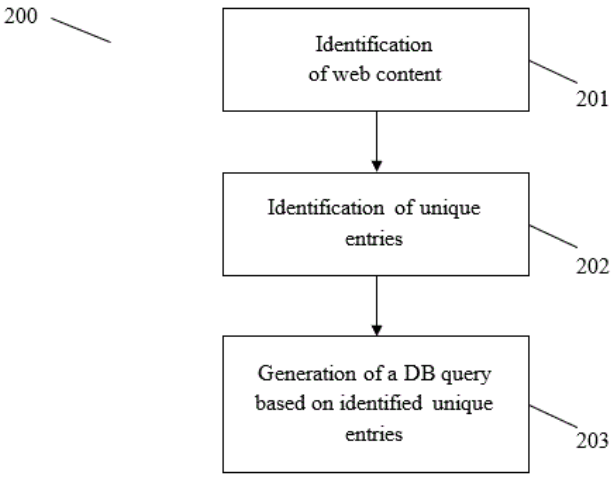


21: 2025/04876. 22: 2025/06/09. 43: 2026/02/05
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110702 32: 2025-04-24

54: METHOD 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.

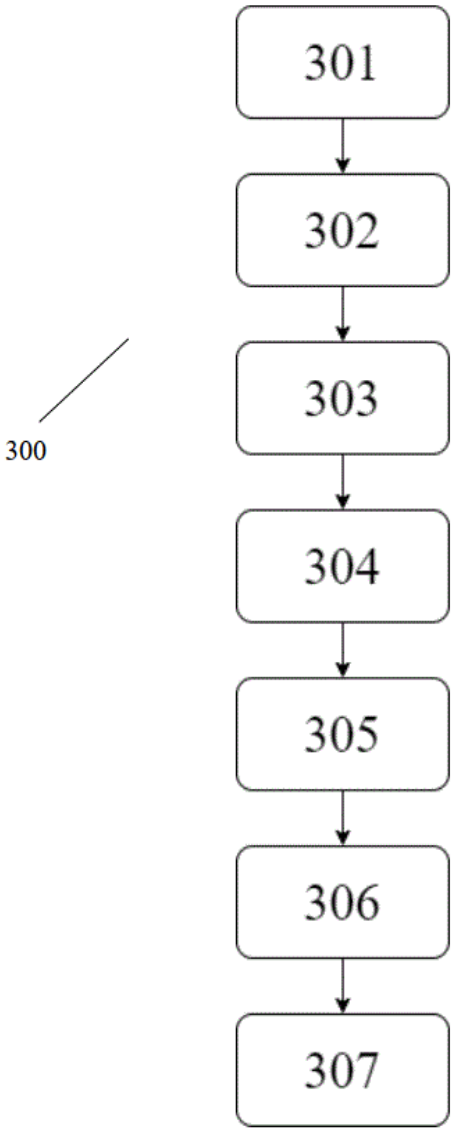


21: 2025/04877. 22: 2025/06/09. 43: 2026/02/05
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110923 32: 2025-04-26

54: METHOD FOR GENERATING CONTROL SIGNAL

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms.



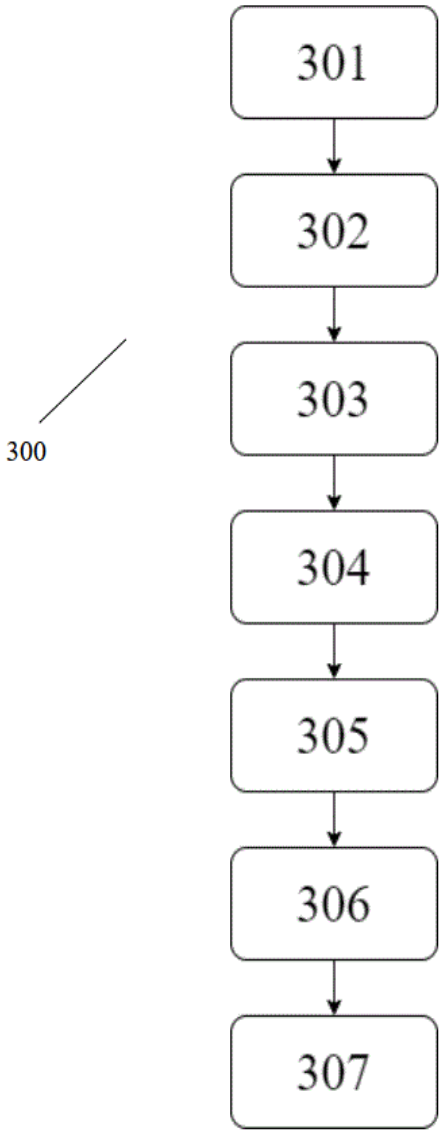
21: 2025/04879. 22: 2025/06/09. 43: 2026/02/05
51: A61J; G06F
71: LIMITED LIABILITY COMPANY INSESCAN
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110924 32: 2025-04-26

54: METHOD FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE

00: -

The proposed invention relates to methods and means for 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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms.



21: 2025/04880. 22: 2025/06/09. 43: 2026/02/05
51: C04B
71: Chengdu University, Hainan University
72: Zhanfeng FAN, Bo CHEN, Huajin LI, Ran TANG, Junhu SHAO, Hua ZHANG, Hongzhi QIU, Zhijia WANG, Peng XIE

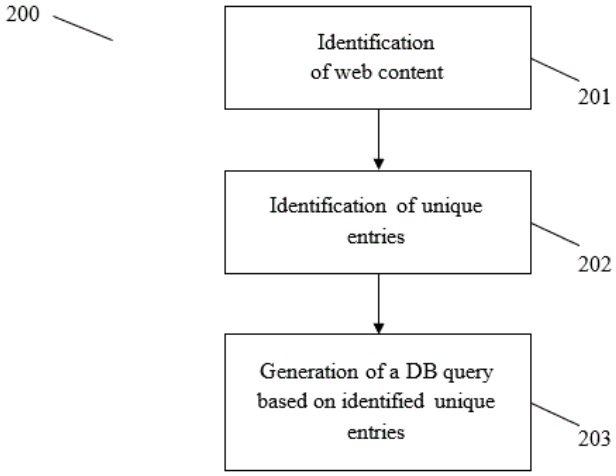
54: ACTIVATION METHOD FOR WASTE CONCRETE MICROPOWDER

00: -

The invention discloses an activation method for waste concrete micropowder, which belongs to the technical field of concrete materials, including the following steps: multi-stage crushing and screening, coarse crushing, medium crushing, and fine crushing of waste concrete in turn; ultrasound-assisted acid treatment, the micropowder is mixed with an acidic

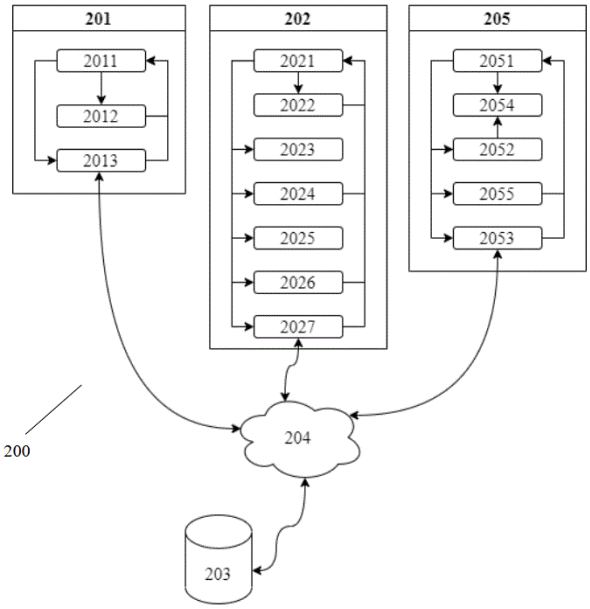
solution containing a surfactant, and stirred under ultrasound-assisted conditions, after solid-liquid separation, the solid is collected and dried; gradient heating calcination activation, the dried powder, and the composite activator are mixed evenly, and calcined in a protective atmosphere, the surface modification and classification of the calcined product are carried out by surface coupling modification, and then the particle size classification is carried out by the combination process of screening and air separation. The invention adopts the above method, when the prepared activated micropowder is used as a concrete admixture, it can replace part of the cement while maintaining the performance, effectively reduce the hydration heat and carbon emissions, and promote the conversion of waste concrete from inefficient treatment to high value-added utilization.

21: 2025/04881. 22: 2025/06/09. 43: 2026/02/05
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110701 32: 2025-04-24
54: METHOD 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: 2025/04882. 22: 2025/06/09. 43: 2026/02/05
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110941 32: 2025-04-26
54: USER DEVICE OF SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING
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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the

technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms.

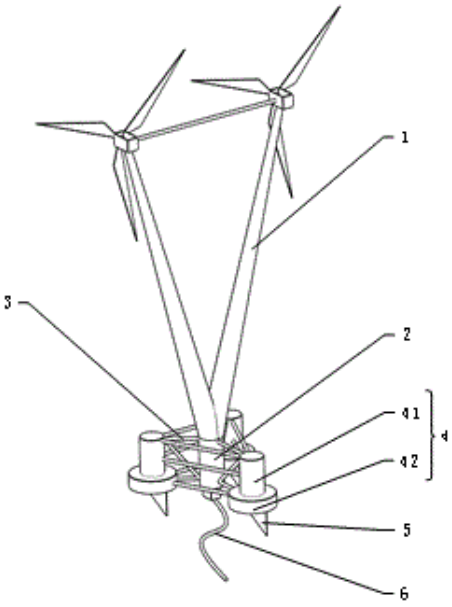


21: 2025/04883. 22: 2025/06/09. 43: 2026/02/05
51: F03D
71: SINOMA OVERSEAS DEVELOPMENT CO., LTD.
72: Lei YANG, Yue LI, Sijia WEN, Yang WANG, Liming REN, Miao YU, Nianping LV, Lin ZHANG, Hongsheng CHEN
33: CN 31: 2025209365673 32: 2025-05-13

54: LOW-COST OFFSHORE AUTOMATIC YAW FLOATING FOUNDATION WITH MULTI-HEAD WIND TURBINE

00: -

The present disclosure discloses a low-cost offshore automatic yaw floating foundation with multi-head wind turbine, belonging to the technical field of offshore wind power engineering. The low-cost offshore automatic yaw floating foundation with multi-head wind turbine comprises a multi-head wind turbine and a floating foundation. The floating foundation comprises a central column and connecting frames. Top of the central column is fixedly connected to the multi-head wind turbine. Side of the central column is fixedly connected to a lot of peripheral buoyancy tube assemblies by the connecting frames. Exterior of each of the peripheral buoyancy tube assemblies is provided with a guide fin. Direction of the guide fin faces front of the multi-head wind turbine. Bottom of the central column is fixedly provided with a ball-hinged mooring assembly. In the present disclosure, the floating foundation is driven to automatically rotate by utilizing wind or water flow power and by using design of the guide fins, significantly improving power generation efficiency, and enhancing typhoon resistance. The ball-hinged mooring assembly is adopted for providing a 360-degree free rotation, avoiding cable entanglement and simplifying structure, improving reliability and maintenance convenience. The overall solution achieves automatic yaw function with a low cost, providing an economical and practical technical way for large-scale applications of offshore wind power.



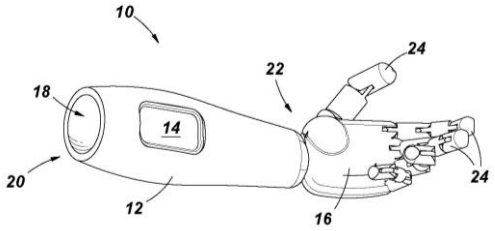
21: 2025/04884. 22: 2025/06/09. 43: 2026/02/13
51: A61F
71: 4TH AI HOLDINGS (PTY) LTD
72: BUCU, Mlungiseleli Birthwell
33: ZA 31: 2024/02570 32: 2024-04-03

54: INTEGRATED BIOMECHANICAL PROSTHETIC ARM WITH EMBEDDED MACHINE LEARNING AND MULTIFUNCTIONAL USER INTERFACE

00: -

The invention relates to an integrated biomechanical prosthetic arm with embedded machine learning and a multifunctional user interface. The prosthetic arm features anatomically accurate joints (e.g., pivot, hinge, saddle, and ellipsoidal joints) for natural movement, an onboard computing system with adaptive machine learning for real-time motion

refinement, and a self-contained touchscreen interface for direct control without external devices. Additional innovations include neural/muscular signal sensors, environmental adaptation, haptic feedback, and modular upgradability. The design eliminates reliance on external hardware, offering amputees unprecedented dexterity, autonomy, and seamless digital integration.

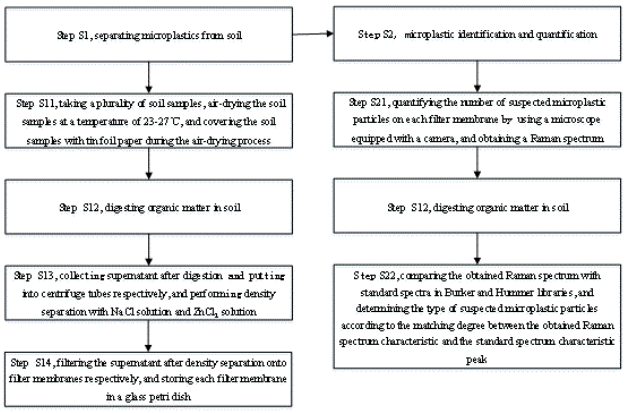


21: 2025/04887. 22: 2025/06/09. 43: 2026/02/05
51: B04B
71: Hubei Provincial Academy of Eco-Environmental Sciences (Hubei Eco-Environmental Engineering Assessment Center)
72: Feng WANG, Song HOU

54: METHOD FOR OBSERVING SOIL MICROPLASTICS BASED ON DENSITY SEPARATION METHOD

00: -

The invention belongs to the technical field of the observation of soil microplastics, and specifically discloses a method for observing soil microplastics based on a density separation method, the method includes the following steps: step S1, separating microplastics from soil; and step S2, microplastic identification and quantification. The invention adopts the above method for observing soil microplastics based on the density separation method, this method establishes a set of unified and standardized soil microplastic observation methods and processes, by standardizing the operation of each observer according to this method, the observation methods can be unified and the data can be compared, thus promoting the research on soil microplastic pollution.



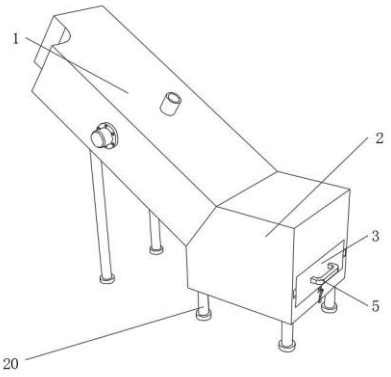
21: 2025/04902. 22: 2025/06/09. 43: 2026/02/05
51: A61L
71: Senior Department of Burns and Plastic Surgery, the Fourth Medical Center of PLA General Hospital
72: Feng Baigong, Shen Chuanan, Liu Xinzhu, Li Dawei, Wei Qian, Jiang Min, Chen Yiqi, Zhao Yusheng, Liu Liwei, Li Meizhuo

54: MULTIFUNCTIONAL STERILIZATION DEVICE FOR BURN UNIT MEDICAL INSTRUMENT

00: -

Disclosed is a multifunctional sterilization device for a burn unit medical instrument, including a sterilization chamber. A drying chamber is fixedly arranged at one end of the sterilization chamber, one end of the drying chamber is slidably connected to a sliding drawer, through holes are uniformly disposed inside the sliding drawer in a symmetrical manner, an empty groove is disposed at a bottom end of the sliding drawer, a groove is disposed inside the drying chamber, a rotating shaft is rotatably connected inside the groove, an L-shaped limit rod is fixedly mounted at one end of the rotating shaft, and the L-shaped limit rod fits with the empty groove. According to the present invention, a locking mechanism is achieved through the cooperation of the empty groove and the L-shaped limit rod, restricting the sliding of the sliding drawer, and the L-shaped limit rod is inserted into the empty groove with the assistance of a reset spring, enhancing stability. Meanwhile, due to opposite poles, first and second magnets attract each other to prevent an adjustment handle from accidentally rotating, further reinforcing locking effects, reducing the sliding of the sliding drawer within the drying chamber caused by vibrations from a drive motor of the sterilization chamber, ensuring the stability during medical

instrument sterilization, and guaranteeing the effectiveness of sterilization and drying.

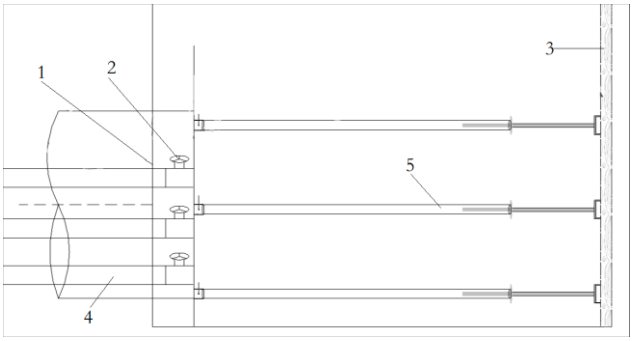


21: 2025/04903. 22: 2025/06/09. 43: 2026/02/05
51: C02F
71: CHINA RAILWAY FIRST GROUP CO., LTD, CHINA RAILWAY FIRST GROUP EIGHTH ENGINEERING CO., LTD, CHINA RAILWAY FIRST GROUP BRIDGE ENGINEERING CO., LTD
72: JIANG, Zongzheng, ZHOU, Donglin, HAN, Baowei, MA, Huanhong, WU, Yuanbo, XUAN, Xinpeng, HU, Yonggang, ZHANG, Qiuqiu, LIU, Linke, WANG, Xianjin, CHEN, Ben

54: EMERGENCY WATER DIVERSION CONSTRUCTION METHOD FOR WASTEWATER TREATMENT PLANT

00: -

The present invention discloses an emergency water diversion construction method for a wastewater treatment plant and belongs to the technical field of water diversion construction. The emergency water diversion construction method includes: S1. designing a construction plan according to a flow rate and an actual condition of water diversion equipment; S2. after water supply to the plant is stopped and tail water flows by gravity for N minutes, opening a wellhead cover at a metering channel cover, vertically placing a customized steel plate at one end of a wellhead, and vertically placing a square timber at another end of the wellhead; wherein the customized steel plate is provided with a plurality of water drainage holes, and a valve is arranged in each of the water drainage holes; S3. according to the designed construction plan, arranging a multi-pump fixing frame at the wellhead, vertically placing a plurality of water diversion pumps, fixing the water diversion pumps on the multi-pump fixing frame, and connecting the water diversion pumps with the ground with cables to prevent large water flows from washing away the water diversion pumps; wherein an output end of the water diversion pump is connected to a nylon water hose, and one end of the nylon water hose far away from the water diversion pump passes through the water drainage holes of the customized steel plate and is connected to a built branch pipe; and S4. fixing two ends of a first steel pipe on the square timber and the customized steel plate respectively, so as to serve as supports to support the steel plate. The present invention ensures that the on-site water diversion meets the flow requirement of a water treatment plant and ensures the environment for construction operations.



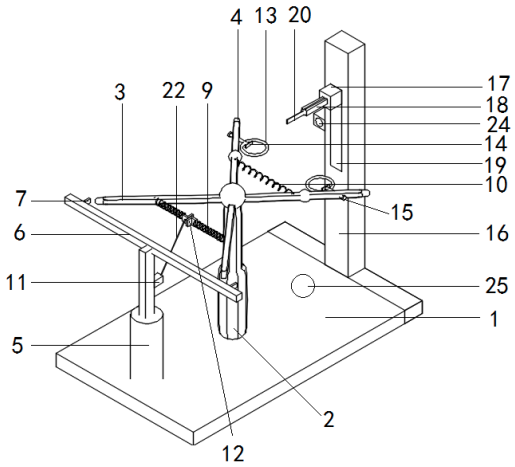
21: 2025/04904. 22: 2025/06/09. 43: 2026/02/05
51: A61K; C03B
71: THE FIRST AFFILIATED HOSPITAL OF JINAN UNIVERSITY (GUANGZHOU OVERSEAS CHINESE HOSPITAL)
72: WANG, Jun, LI, Ruiman

54: PRECISION TUBE-DRAWING DEVICE FOR MANUFACTURING GLASS PASTEUR PIPETTE

00: -

The present invention provides a precision tube-drawing device for manufacturing glass Pasteur pipettes and relates to the technical field of medical device technology, including a base; an adjustment assembly which includes a first lifting cylinder, Rod A and Rod B, the first lifting cylinder is mounted on the base, Rod A and Rod B are interleaved and mounted on the top end of the first cylinder; a dimensional control assembly including a second lifting cylinder, a limit plate, and limit blocks, the second lifting cylinder is mounted on the base; a power assembly includes limit springs, a power spring, and a take-up device; and clamping assembly includes clamping rings and snap-fit plates, the clamping rings are detachably connected

to Rod A and Rod B via connecting bolts respectively. The present invention achieves glass Pasteur pipette clamping through coordinated interaction between the clamping rings and snap-fit plates, two limit blocks are configured to connect two limit springs while the power spring is maintained in a compressed state, the tube drawing operation is completed by the relative rotational spreading of rod A and rod B actuated by a reset action of the power spring, and the opening angle between Rod A and Rod B is adjusted via limit blocks.

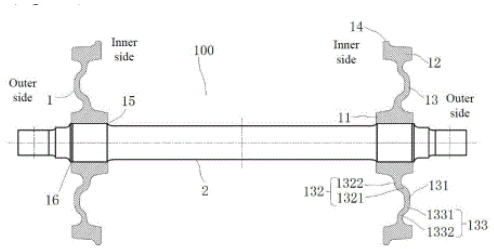


21: 2025/04905. 22: 2025/06/09. 43: 2026/02/05
51: B21H
71: BAOWU GROUP MASTEEL RAIL TRANSIT MATERIALS TECHNOLOGY CO., LTD.
72: LIU, Zhi, WANG, Yongyang, YANG, Xiaodong
33: CN 31: 202510422943.1 32: 2025-04-03

54: TRAIN WHEELSET AND OVERHANG DESIGN AND CALCULATION METHOD THEREOF, AND TRAIN

00: -

Disclosed are a train wheelset and an overhang design and calculation method thereof, and a train, which relates to the technical field of vehicles. An axial length of a wheel hub is greater than an axial length of an axle wheel seat, and during installation, two axial ends of the wheel hub are longer than two axial ends of the axle wheel seat, thereby forming an inner overhang and an outer overhang on two axial ends of the wheel hub relative to the wheel seat in the wheelset. By using the overhang design and calculation method of the train wheelset, the overhangs of the wheelset can be calculated rapidly.

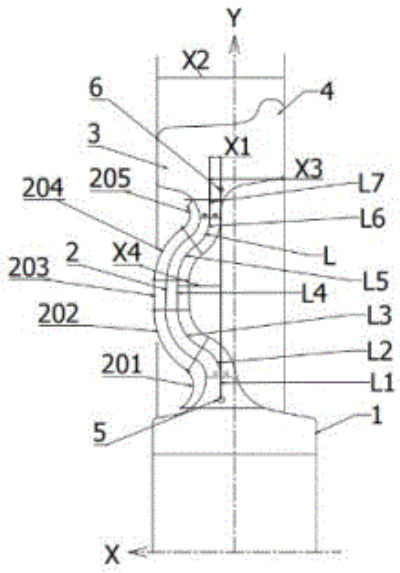


21: 2025/04906. 22: 2025/06/09. 43: 2026/02/05
51: B21H
71: BAOWU GROUP MASTEEL RAIL TRANSIT MATERIALS TECHNOLOGY CO., LTD.
72: LIU, Zhi, WANG, Yongyang, YANG, Xiaodong
33: CN 31: 202510422947.X 32: 2025-04-03

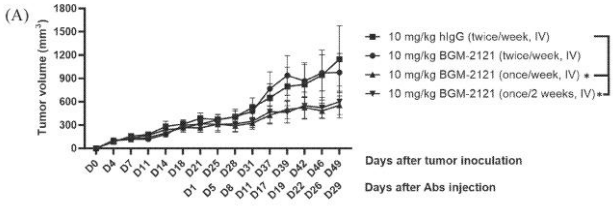
54: RAILWAY WHEEL

00: -

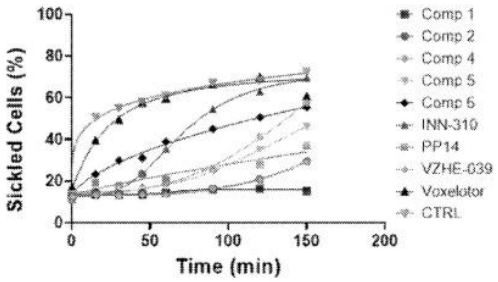
Disclosed is a railway wheel, which relates to the technical field of wheels. The railway wheel includes a wheel main body, where the wheel main body includes a hub body, a web body and a wheel rim body, an outer side of the hub body is connected with an inner side of the web body, an outer side of the web body is connected with an inner side of the wheel rim body, the web body includes a first web segment, a second web segment, a third web segment, a fourth web segment, and a fifth web segment which are connected in sequence, one end of the first web segment that is away from the second web segment is connected with the hub body, one end of the fifth web segment that is away from the fourth web segment is connected with the wheel rim body, the first web segment, the second web segment, the fourth web segment, and the fifth web segment are all curved structures, and the third web segment is parallel to a wheel radial direction of the wheel main body. According to the present invention, under a condition of a high braking thermo-mechanical stress, an axial deformation of the wheel rim body is small, and the fatigue resistance of the wheel main body is high.



21: 2025/04910. 22: 2025/06/09. 43: 2026/02/05
51: A61K; C07K; A61P
71: BIOGATE PRECISION MEDICINE CORP.
72: LIU, Fong Leroy, HUANG, Chong-Jen Frank, HO, Chia-Wen
33: US 31: 63/430,075 32: 2022-12-05
54: RECOMBINANT ANTIBODY, PHARMACEUTICAL COMPOSITION COMPRISING THE SAME, AND USES THEREOF IN TREATING CANCERS
00: -
Disclosed herein are recombinant antibodies or a fragment thereof. According to some embodiments of the present disclosure, each of the recombinant antibodies exhibits a binding affinity to and a neutralizing effect on parathyroid hormone-related protein. Also disclosed herein are pharmaceutical compositions comprising the antibodies or antibody fragments, and uses thereof in treating cancers.

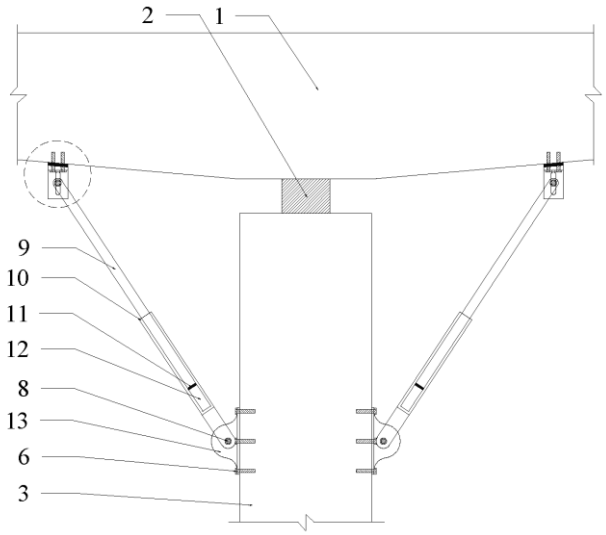


21: 2025/04917. 22: 2025/06/09. 43: 2026/02/05
51: C07C; C07D; A61P
71: VIRGINIA COMMONWEALTH UNIVERSITY, ILLEXCOR HOLDINGS, LLC., KING ABDULAZIZ UNIVERSITY, CHILDREN'S HOSPITAL OF PHILADELPHIA (CHOP)
72: SAFO, Martin, ZHANG, Yan, FLEISCHMAN, Andrew, LIGHT, David, EL-ARABY, Moustafa, OMAR, Abdelsattar, ABDULMALIK, Osheiza
33: US 31: 63/423,167 32: 2022-11-07
33: US 31: 63/442,824 32: 2023-02-02
54: BENZALDEHYDE COMPOUNDS WITH DIRECT POLYMER DESTABILIZING EFFECTS TO TREAT SICKLE CELL DISEASE
00: -
Compounds and methods for preventing and/or treating one or more symptoms of sickle cell diseases (SCD) by administering at least one of the compounds are provided. The compounds are chemically modified to increase bioavailability and activity, e.g., so that the compounds prevent adhesion and sickling of red blood cells (RBCs).



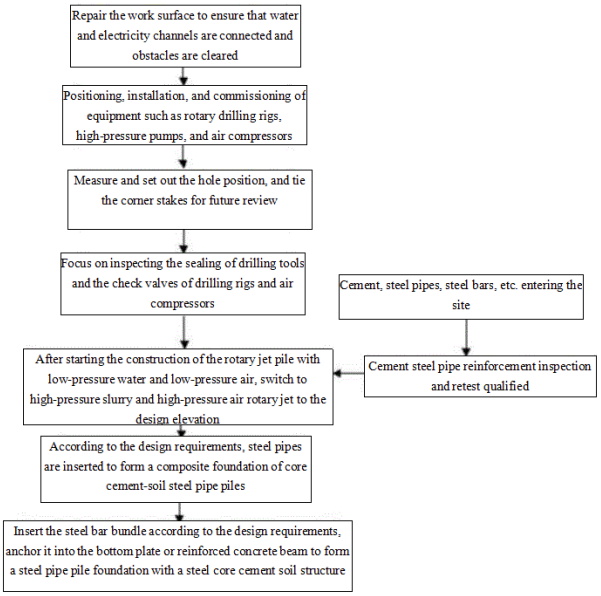
21: 2025/04921. 22: 2025/06/09. 43: 2026/02/05
51: E02F; E21F
71: THE SECOND ENGINEERING CO., LTD OF CHINA RAILWAY SEVENTH GROUP, CHINA RAILWAY NORTHEAST INVESTMENT AND DEVELOPMENT CO., LTD, DALIAN UNIVERSITY OF TECHNOLOGY
72: Yonghuan, DONG, Yongtao, BI, Jianjun, XIONG, Zhennam, TIAN, Tao, XING, Xuebing, LIANG, Youjie, GAO, Weinian, GAO, Jianzhong, LI, Yuanjie, ZHU, Chunyi, ZHOU, Huili, WANG, Xinmin, GUAN
54: TOWER BEAM TEMPORARY CONSOLIDATION DEVICE FOR DEMOLITION OF CABLE-STAYED BRIDGES
00: -
The present invention belongs to the technical field of bridge engineering, and provides a tower beam temporary consolidation device for demolition of cable-stayed bridges. The device is mainly composed of a non-slip mat, a limiting block, anchor bolts, a limiting hole, a pin, a telescopic rod, a hydraulic cylinder, a piston and a hinged support.

The limiting block and the non-slip mat are connected to the main beam through the anchor bolts and hinged with the telescopic rod, the hinge point can be moved within the limiting hole, the end of the telescopic rod is connected with the piston and sheathed with the hydraulic cylinder, the cylinder is filled with hydraulic oil, the hydraulic cylinder is hinged with the hinged support, and the hinged support is anchored to the lower tower column by the anchor bolts. The tower beam temporary consolidation device of the present invention is used for temporary consolidation of tower beams during the demolition of cable-stayed bridges and does not require the pouring of concrete, thus avoiding the problem of concrete inconsistency, the internal force of the telescopic rod can be detected and adjusted at any time, and the device is convenient to install and remove, and can be reused.



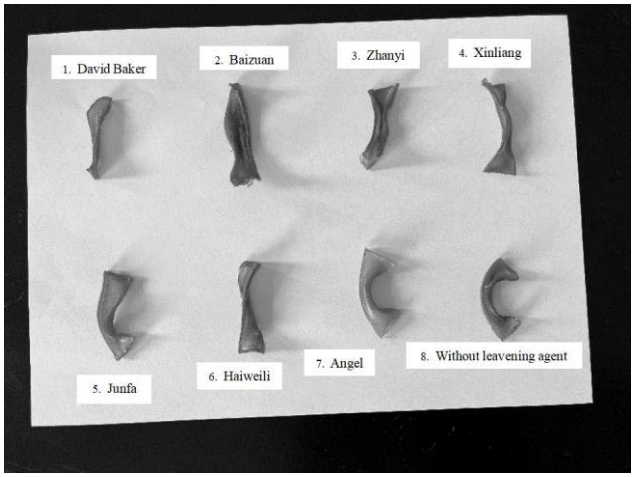
21: 2025/04926. 22: 2025/06/10. 43: 2026/02/06
51: E02D
71: CABR FOUNDATION ENGINEERING CO., LTD, CNBM Geological Engineering Exploration Academy Co., Ltd., China Building Materials and Geological Engineering Beijing Co., Ltd.
72: QIU Rendong, HE Shiming, GAO Wensheng, SI Chengqing, CHEN Hui, HUANG Xinfeng, YU Hekun, JIA Cheng, LIANG Chenghua, REN Xinjian, LIANG Dezhou, WANG Haining, HONG Wei, YUE Zhongjie, CHEN Peng, MENG Jiahui, LIN Li, ZHU Zhaojing
33: CN 31: 2025106224038 32: 2025-05-14
54: CONSTRUCTION METHOD FOR COMPOSITE FOUNDATION AND PILE FOUNDATION THROUGH PNEUMATIC DOWN-THE-HOLE HAMMER VIBRATION JET GROUTING PILE WITH INSERTED STEEL PIPES
00: -

The invention discloses a construction method for composite foundation or steel pipe pile foundation through a pneumatic down-the-hole hammer vibration jet grouting pile with inserted steel pipes. The method includes the steps of: drilling; forming a jet grouting pile: after drilling to the design depth, switch the water pump of the drilling rig to a high-pressure pump to pump cement slurry, and the high-pressure slurry is lifted by high-pressure air rotary jet vibration to form a jet grouting pile; insert a steel pipe at the center of the pile to form a core cement-soil steel pipe pile; repeat the above steps and construct multiple core cement-soil steel pipe pile according to the design interval, forming a composite foundation or steel pipe pile foundation. The advantages of the present invention are: wide applicability, fast construction speed, ability to ensure bearing capacity and settlement deformation requirements, and low overall cost.



21: 2025/04927. 22: 2025/06/10. 43: 2026/02/05
51: A23L
71: Sichuan Tourism University
72: JI Derong, DUAN Lili, LI Yang, LUO Jingjing, TU Mengjie, LIANG Pengjuan, LI Shuang, GE Zhiyue, DENG Wenjun
54: PREPARATION METHOD OF TARTARY BUCKWHEAT CHIPS
00: -

The present invention proposes a preparation method for tartary buckwheat chips, belonging to the technical field of food processing. The method comprises the following steps: pre-processing tartary buckwheat flour into a slurry (comprising tartary buckwheat flour, drinking water, and a leavening agent), mixing and stirring in boiling water until gelatinization, molding in a mold, uniform slicing, air-drying, and frying. The added leavening agents include PSJ01 (David Baker), PSJ02 (Baizuan), PSJ03 (Zhanyi), PSJ04 (Xinliang), PSJ05 (Junfa), PSJ06 (Haiweili), and PSJ07 (Angel). Using tartary buckwheat as the raw material, the tartary buckwheat crisp chips prepared by this method exhibit excellent expansion properties and high sensory evaluation scores.

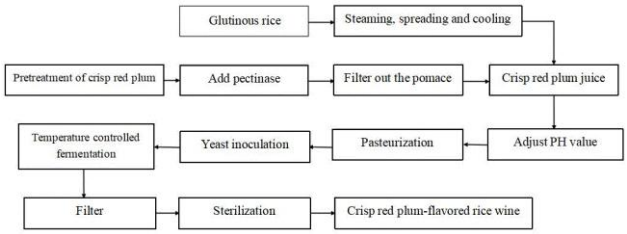


21: 2025/04928. 22: 2025/06/10. 43: 2026/02/05
51: C12G
71: Sichuan Tourism University
72: LUO Jingjing, JI Derong, LIAO Sihan, NIE Xin, DUAN Lili, LI Yang

54: CRISP RED PLUM-FLAVORED RICE WINE AND PREPARATION METHOD THEREOF

00: -

The present invention proposes a crisp red plum-flavored rice wine and its preparation method, belonging to the technical field of food processing. Using crisp red plum and glutinous rice as the main raw materials, the invention optimizes the fermentation process and analyzes the flavor profile of crisp red plum rice wine. Under the conditions of an initial sugar content of 22 degrees Brix, fermentation temperature of 22 degrees Celsius, fermentation time of 7 days, and yeast inoculation rate of 0.2%, the resulting rice wine achieves an alcohol content of 12.3% vol, acidity of 5.2 g/L, and a sensory evaluation score of 87.7. The wine exhibits a clear and bright appearance, combining the fruity aroma of crisp red plum with the mellow fragrance of rice wine, delivering a well-balanced taste. Volatile flavor compounds were analyzed using gas chromatography-mass spectrometry (GC-MS), identifying a total of 48 volatile flavor substances, including 15 esters, 6 alcohols, 2 aldehydes, 3 acids, and 11 other compounds. OAV analysis revealed that ethyl acetate, ethyl hexanoate, ethyl lactate, and linalool serve as the key flavor compounds in crisp red plum rice wine, playing a crucial role in shaping its distinctive flavor profile.



21: 2025/04930. 22: 2025/06/10. 43: 2026/02/06
51: B09C
71: Tibet University
72: XIONG, Jian, LONG, Qin, XI, Huijun, LI, Wei, LV, Xuebin

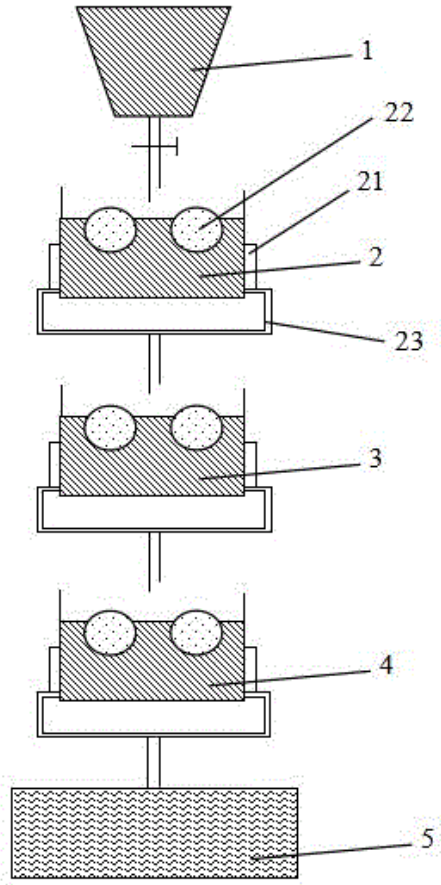
54: HEAVY METAL REMEDIATION AGENT FOR PLATEAU TAILINGS AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention provides a heavy metal remediation agent for plateau tailings and preparation method and application thereof, which relates to the technical field of heavy metal adsorption. The preparation method of the heavy metal remediation agent for plateau tailings according to the present invention utilizes natural resources to prepare a remediation agent capable of adsorbing multiple heavy metals. A biomass substrate in preparation raw materials is widely bioavailable and easy to obtain, and it is green and safe. During a carbonization process, bentonite particles can easily penetrate into the interior of the biomass substrate, increasing the particle size and strength of biochar in the remediation agent through adsorption and chemical bonding. Attapulgite tailings can enhance the adsorption performance of the remediation agent. The preparation method

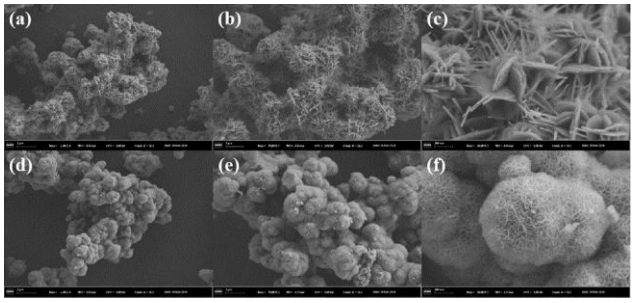
according to the present invention is simple, and the prepared remediation agent has a good adsorption effect on heavy metals in tailings.

21: 2025/04931. 22: 2025/06/10. 43: 2026/02/05
51: C01B
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: WANG Shuai, NIU Zhehui, ZHAO Xingtao
54: SYSTEM AND METHOD FOR EFFICIENTLY PURIFYING GRAPHENE OXIDE
00: -
The invention discloses a graphene oxide dialysis purification system and method, belonging to the technical field of substance purification. An electric field is installed outside the dialysis device, and the dialysis device includes water and a dialysis bag soaked in the water; the dialysis bag contains graphene oxide. The invention also provides a dialysis purification method of graphene oxide, which including the following steps: opening a water inlet device, adding water into the dialysis device, so that the dialysis bag containing the crude graphene oxide is soaked in water, then opening an electric field and an ultrasonic device, performing dialysis under ultrasonic and electric field conditions, and removing impurity ions in the crude graphene oxide, thus completing the dialysis purification of graphene oxide. The system provided by the invention utilizes the synergistic effect of electric field and ultrasound to improve the dialysis efficiency and shorten the purification time. At the same time, the high quality of graphene oxide is ensured by accurately controlling parameters such as electric field intensity, ultrasonic power and dialysis temperature.

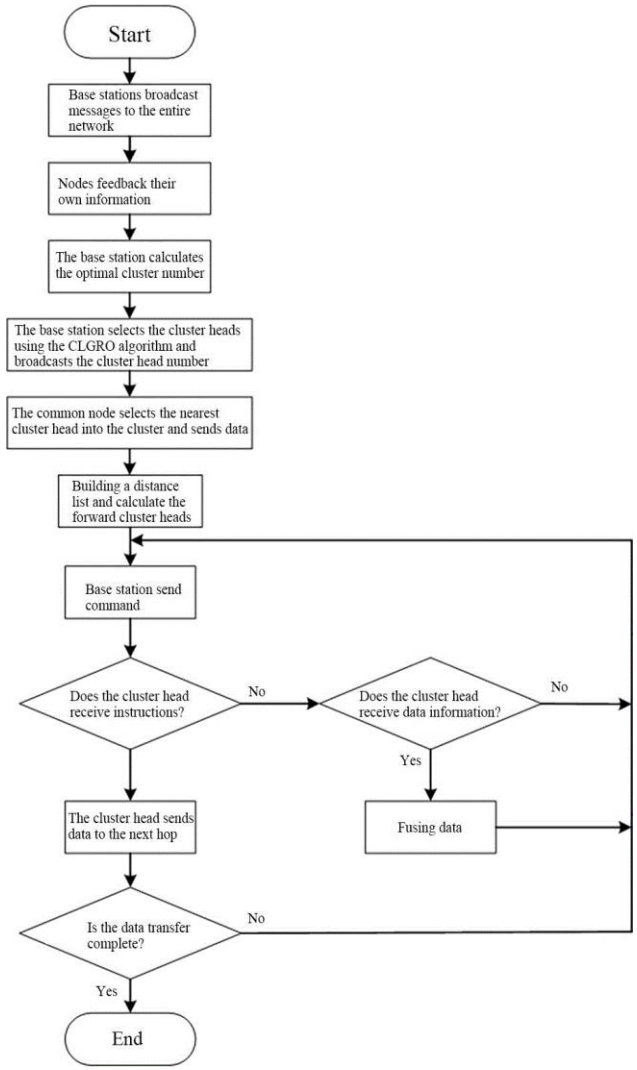


21: 2025/04934. 22: 2025/06/10. 43: 2026/02/06
51: H01M
71: China University of Geosciences, Beijing
72: YAO Jun, SUN Haoxiang, ZHANG Lei, ZHANG Liyang, DENG Kefang, MA Bo, LIU Bang, MIN Ning
33: CN 31: 2025106050500 32: 2025-05-12
54: THREE-DIMENSIONAL RETICULATED IRON-MANGANESE MICROSPHERE MATERIAL, PREPARATION METHOD AND APPLICATION
00: -
The present invention discloses a three-dimensional reticulated iron-manganese microsphere material, its preparation method and application, belonging to the technical field of soil heavy metal pollution remediation. The preparation steps of the three-dimensional reticulated iron-manganese microsphere material include: dissolving a soluble manganese salt and an oxidant together in water, then adding a solution containing ferrous ions, heating for reaction, and collecting the obtained solid product to obtain the three-dimensional reticulated iron-manganese microsphere material. The three-

dimensional reticulated iron-manganese microsphere material provided by the present invention demonstrates remarkable time-dependent remediation performance in soil environments: rapid short-term adsorption, stable medium-term deposition, and long-term slow-release maintenance; while maintaining relatively stable pH and ionic balance conditions without causing significant damage to soil physicochemical properties, instead promoting deeper fixation of pollutants; and effectively reducing mobility and toxicity release levels of heavy metals in soil under dynamic environmental conditions.

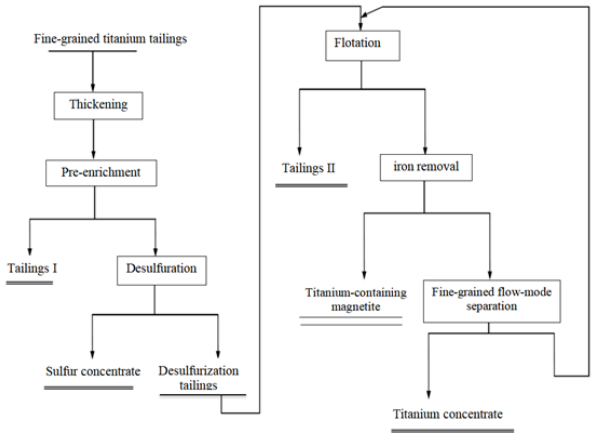


21: 2025/04935. 22: 2025/06/10. 43: 2026/02/06
51: H04W
71: Zhejiang University of Science and Technology
72: Zhenyu Zhang, Chunxiang Yu, Jian Zhou, Yijie Wang, Chuitao Sun, Shihui Ni, Zibo Jin
33: CN 31: 202510020429.5 32: 2025-01-07
54: METHOD AND SYSTEM OF THE LEACH ROUTING PROTOCOL BASED ON THE GOLD RUSH OPTIMIZER ALGORITHM
00: -
The invention relates to the technical field of routing protocols, specifically to the Method and System of the LEACH Routing Protocol Based on the Gold Rush Optimizer (GRO) Algorithm. This method includes the following steps: 1. Optimizing the LEACH protocol based on the GRO algorithm, including the calculation of the formula for the optimal number of cluster heads and the design of the fitness function. Among them, the optimization of the gold panning algorithm includes the introduction of Kent mapping, adaptive Levy flight and Cauchy mutation mechanism; 2. Optimizing the data transmission stage based on the optimized LEACH protocol. The present invention is a method and system of the LEACH routing protocol based on the GRO algorithm. When electing cluster heads, the GRO algorithm is adopted to dynamically elect cluster heads. When designing the fitness function, factors such as the residual energy of nodes, the distance from nodes to base stations, and the number of neighboring nodes is comprehensively considered in order to find the optimal combination of cluster heads, thereby reducing the overall energy consumption of the network. Balance the energy of each node.



21: 2025/04938. 22: 2025/06/10. 43: 2026/02/06
51: B03D; C22B
71: KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: ZHENG, Yongxing, PENG, Jieli, LV, Jinfang, LIU, Guokai, WANG, Zhenxing, CHANG, Sheng
54: METHOD FOR RECOVERING ENHANCED FINE-GRAINED TITANIUM ORE TECHNICAL FIELD
00: -

The present application discloses a method for recovering enhanced fine-grained titanium ore, belongs to the technical field of fine-grained titanium ore beneficiation, including the following steps: (1) pre-enriching; (2) preparing a modified collector; (3) desulfurizating; (4) regulating and controlling flotation by multi-dimensional interfacial; and (5) improving quality in depth. According to the present application, on the one hand, more ferrous ions are oxidized to ferric ions by adding high-efficiency activators to a surface of ilmenite, thereby increasing the number of adsorption active sites of the collector; and on the other hand, the existing unsaturated fatty acid collectors are modified to increase their dispersion, dissolution and adsorption capacity. Under the simultaneous action of the two, the flotation grade and flotation recovery rate of fine-grained ilmenite are significantly improved, and the purpose of enhanced fine-grained titanium ore is achieved.

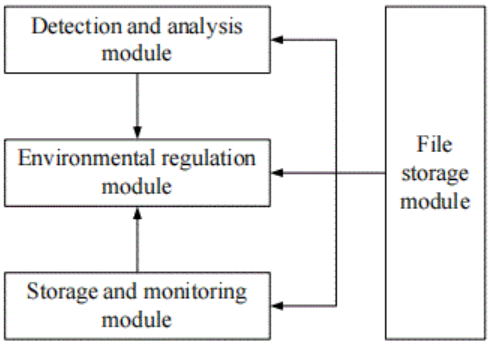


21: 2025/04941. 22: 2025/06/10. 43: 2026/02/06
51: B32B
71: Saurabh Bhatia, Yasir Abbas Shah, Talha Shireen Khan, Ahmed Al-Harrasi, Najeeb Ur Rehman, Pritam Babu Sharma, Pankaj B. Pathare, Shyam Sundar, University of Nizwa, Sultan Qaboos University, Oman, Amity University Haryana, India
72: Saurabh Bhatia, Yasir Abbas Shah, Talha Shireen Khan, Ahmed Al-Harrasi, Najeeb Ur Rehman, Pritam Babu Sharma, Pankaj B. Pathare, Shyam Sundar
54: COMPOSITION OF BIODEGRADABLE PECTIN-BASED ACTIVE PACKAGING FILM FUNCTIONALIZED WITH ANOGEISSUS DHOFARICA EXTRACT
00: -

The present invention relates to the composition for a biodegradable active packag-ing film developed using 1.5% pectin and 0.3% methanolic extract of Anogeissus dhofarica, a medicinal plant known for its antioxidant properties. The film was plas-ticized with 1% glycerol and processed through sonication and ambient drying techniques. It demonstrated uniform thickness (0.084±0.003 mm), high elongation at break (158.4±3.88%), and strong antioxidant activity (55.56±2.3% DPPH radi-cal scavenging), indicating its suitability for preserving the freshness of perishable food items. Transparency (88.31±0.0451%) and low haze (11.21±0.14%) were maintained, ensuring visual appeal and consumer acceptance. This plant-based film effectively replaces synthetic additives, offering a sustainable, eco-friendly alterna-tive in the food packaging industry.

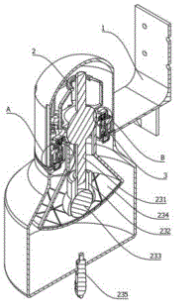
21: 2025/04955. 22: 2025/06/11. 43: 2026/02/06
51: A01N
71: Shilian Bioengineering Wuxi Co., Ltd.
72: CHEN, Heping, ZHOU, Mei, CHEN, Min, YANG, Chenqing
54: INTELLIGENT COLLECTION AND STORAGE SYSTEM FOR SNAIL STEM CELLS
00: -

Disclosed is an intelligent collection and storage system for snail stem cells. Stem cell samples corresponding to detection objects are divide into groups, and a specific storage environment is set for each observation group, such that changes of the groups in an observation period are observed. Stem cell change assessment indexes of the groups are obtained by analyzing the changes of cells, the largest stem cell change assessment index is extracted as a reference index, and the storage environment set corresponding to the group to which the reference index belongs is analyzed, such that temperature and humidity parameters of the storage environment of the batch of stem cells are obtained. Based on outdoor impact assessment indexes, the storage environment is adjusted for the second time, and adjusted parameters of the storage environment are used as initial environmental parameters for the batch of stem cells to enter the storage environment.



21: 2025/04956. 22: 2025/06/11. 43: 2026/02/06
51: B01F
71: Shihezi University, Agricultural Science Research Institute of the 13th Division, Xinjiang Production and Construction Corps, Xinjiang Academy of Agricultural and Reclamation Sciences, Gongliu County Zhitianxia Mushroom Industry Farmer Professional Cooperative
72: GUO Xinyong, LIU Fuyuan, XIA Yongtao, JIA Bingxin, ZHANG Li, QIAN Wenjie, ZHANG Lu, GAO Neng, WU Dongmei, LIN Zhiguo
54: COMPOUND FERTILIZER FOR INCREASING YIELDS OF MORCHELLA ESCULENTA (L.) PERS. AND GANODERMA LUCIDUM (CURTIS) P. KARST. IN ROTATIONAL CULTIVATION
00: -
The present invention discloses a compound fertilizer for increasing the yields of Morchella esculenta (L.) Pers. and Ganoderma lucidum (Curtis) P. Karst. in rotational cultivation, belonging to the technical field of agricultural cultivation. The compound fertilizer for increasing the yields of Morchella esculenta (L.) Pers. and Ganoderma lucidum (Curtis) P. Karst. in rotational cultivation includes the following components in parts by mass: 30-40 parts of corn cob powder, 20-30 parts of composted rice husk, 10-15 parts of fermented soybean meal, 5-8 parts of feather meal, 3-5 parts of calcium hydrogen phosphate, 1-2 parts of magnesium sulfate, 0.1-0.3 parts of borax, 0.3-0.6 parts of composite microbial agent, 5-8 parts of humic acid, and 3-5 parts of shell powder; where the composite microbial agent includes Bacillus subtilis and Trichoderma spp., with a mass ratio of Bacillus subtilis to Trichoderma spp. being 1-3:1. The compound fertilizer of the present invention can significantly improve the yield of Morchella esculenta (L.) Pers. and Ganoderma lucidum polysaccharide content, which is of great significance for improving the rotational cultivation yields of Morchella esculenta (L.) Pers. and Ganoderma lucidum (Curtis) P. Karst. and promoting the sustainable development of related industries.

21: 2025/04957. 22: 2025/06/11. 43: 2026/02/06
51: G06T
71: Henan University of Urban Construction
72: LIU, Changsheng, LI, Xiaolan, WANG, Xiaohui, ZHOU, Yiming
54: BUILDING DEFORMATION MONITORING APPARATUS BASED ON COMPUTER VISION
00: -
The disclosure relates to the technical field of building deformation monitoring, in particular to a building deformation monitoring apparatus based on computer vision. The apparatus includes a bracket, a monitoring unit and a damping unit, where the damping unit includes a monitoring ring, and a plurality of extension plates are uniformly and fixedly arranged around an axis of the monitoring ring on a peripheral wall of the monitoring ring. Extension directions of the extension plates are parallel to a radial direction of the monitoring ring, an upper end surface and a lower end surface of the monitoring ring are parallel, and the upper end surface of the monitoring ring is parallel to a horizontal end surface of the bracket. A horizontal damping assembly is arranged at a lower part of each extension plate, and a vertical damping assembly is arranged at a lower part of each horizontal damping assembly.

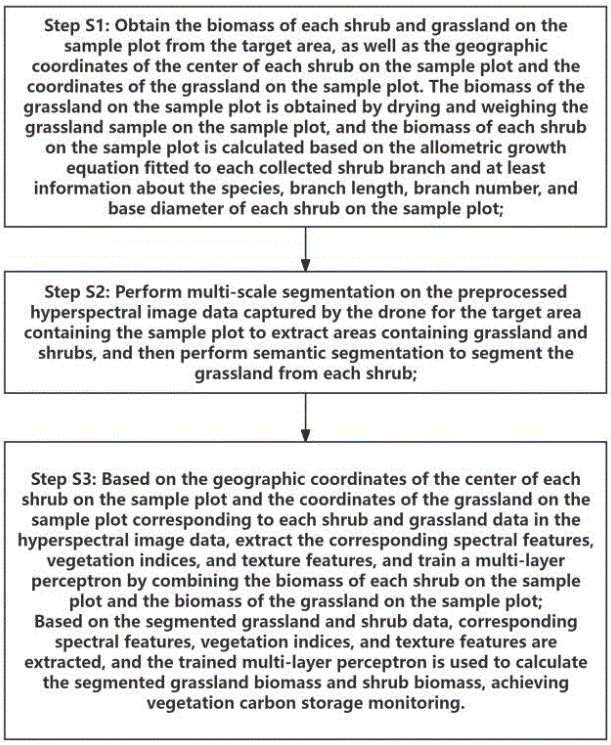


21: 2025/04964. 22: 2025/06/11. 43: 2026/02/06
51: G06T
71: Huaneng Tibet Yarlung Tsangpo River Hydropower Development and Investment Co., Ltd, Chengdu University of Technology
72: TANG Xiaolu, LIU Feng, YAN Dong, ZHANG Yuan, CAO Huan, HONG Jie, FU Songyu, ZHOU Zhengquan, CHEN Guo, LI Jingji

54: A VEGETATION BIOMASS MONITORING METHOD BASED ON HYPERSPECTRAL SHRUB GRASS SEGMENTATION

00: -

The present invention discloses a vegetation biomass monitoring method based on hyperspectral shrub grass segmentation, belonging to the field of image or video recognition and understanding. To improve the accuracy of vegetation biomass monitoring, the vegetation biomass monitoring method based on hyperspectral shrub grass segmentation of the present invention includes: firstly, obtaining the biomass and corresponding coordinates of shrubs and grasslands on the target area sample plot, the former calculated by the allometric growth equation, and the latter obtained by drying and weighing. Secondly, multi-scale segmentation is performed on the hyperspectral images collected by drones to extract shrub and grass areas, followed by semantic segmentation to distinguish between grasslands and shrubs. Finally, based on the coordinates, the spectral, vegetation index, and texture features of the shrub grass are extracted. Combined with the measured biomass data, a multi-layer perceptron is trained, and the segmented shrub grass biomass is calculated using the trained model to achieve vegetation biomass monitoring. The present invention is applied in the field of ecological monitoring.



21: 2025/04965. 22: 2025/06/11. 43: 2026/02/06

51: G06T

71: Chengdu University of Technology, Tianfu Yongxing Laboratory, HUANENG TIBET YARLUNG TSANGPO RIVER HYDROPOWER DEVELOPMENT AND INVESTMENT CO., LTD, Sichuan Forestry and Grassland Survey and Planning Institute

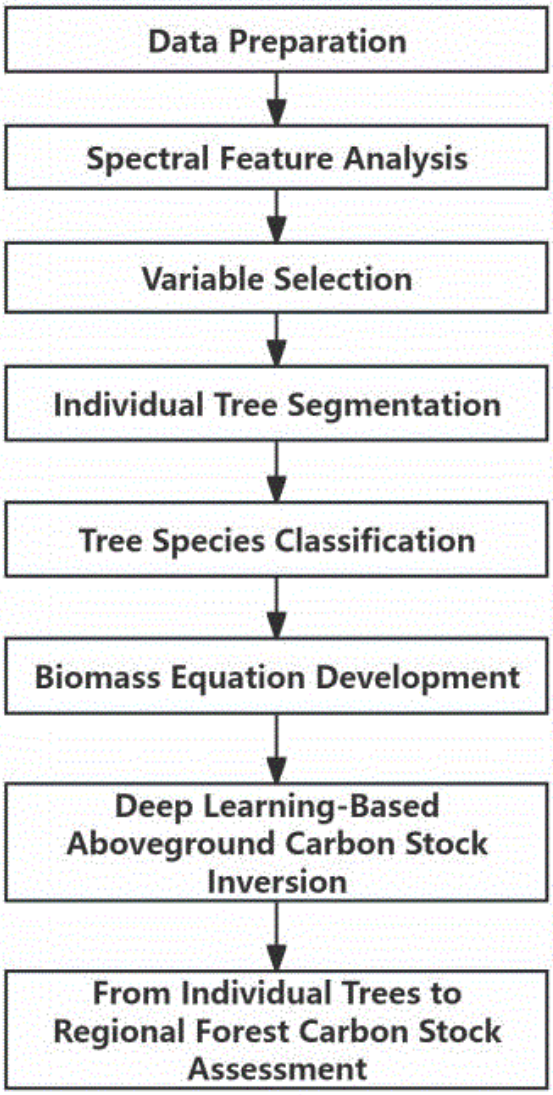
72: TANG Xiaolu, WANG Shuai, LEI Junjie, XU Dinghui, LI Shan, YANG Kang, LIU Sheng, OUYANG Haijun, XIE Lei, LIU Qian, LAI Changhong, SONG Fang, QIAO Chengjun, PEI Xiangjun, CHEN Guo, LI Jingji

54: MEASUREMENT METHOD AND SYSTEM ROF FOREST CARBON STORAGE FROM SINGLE TREE TO REGIONAL FOREST BASED ON HYPERSPECTRAL IMAGING

00: -

The present invention discloses a method and system for measuring forest carbon storage from single trees to regions based on hyperspectral images, which can effectively improve the accuracy and efficiency of forest carbon storage. The method includes: obtaining hyperspectral data and field survey data; Perform spectral feature analysis to determine the target tree species; Multi scale segmentation algorithm based on edge detection to extract the crown width range of tree crowns; Based on hyperspectral remote sensing data, use machine

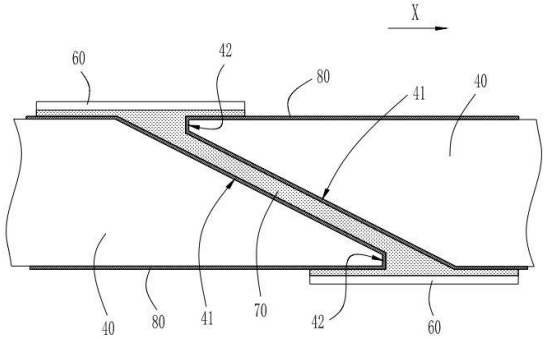
learning algorithms to classify target tree species; Based on the tree species category in the target area, select the tree species biomass equation and calculate the biomass of the aboveground part; Based on the biomass equation calculation results and carbon conversion coefficients, deep learning algorithms are used to invert the aboveground carbon storage in the target area; Based on the inversion results of aboveground carbon storage, estimate the aboveground carbon storage in the target area and obtain the spatial distribution of vegetation aboveground carbon storage in the target area.



21: 2025/04972. 22: 2025/06/11. 43: 2026/01/15
51: B29C; F03D
71: SINOMA WIND POWER BLADE CO., LTD.
72: LI, Zhanying, LI, Chengliang, ZHAO, Liyan, WU, Weiwei, WANG, Xiangdong
33: CN 31: 202411505274.6 32: 2024-10-25

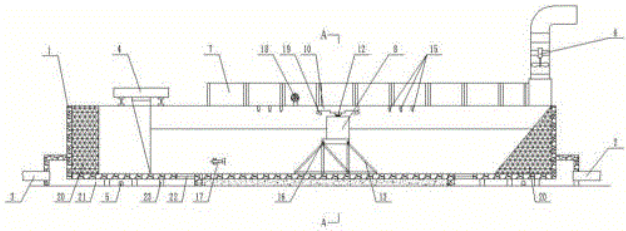
54: WIND TURBINE BLADE

00: -
The present application provides a wind turbine blade. The wind turbine blade includes two or more blade modules, a reinforcement member and an adhesive. The blade modules are spliced in a length direction of the wind turbine blade, each of the blade modules includes a load-bearing beam and a covering layer, the load-bearing beam includes a butt bevel and a butt end face connected with each other, the covering layer covers the butt bevel and the butt end face, a stiffness of the covering layer is less than a stiffness of the load-bearing beam, any two adjacent blade modules are butted, and butt bevels of the two adjacent blade modules are lapped and butted with each other. The reinforcement member covers a gap formed by butting between two adjacent load-bearing beams, and connects with the two adjacent load-bearing beams, and a stiffness of the reinforcement member is less than the stiffness of the load-bearing beam. Covering layers corresponding to the butt bevels of the two adjacent load-bearing beams are bonded by the adhesive, and the reinforcement member and the covering layers are bonded by the adhesive. The wind turbine blade provided by the present application is conducive to reducing the possibility of the cracking failure due to a stress concentration between two load-bearing beams, and improving the service life of the wind turbine blade.



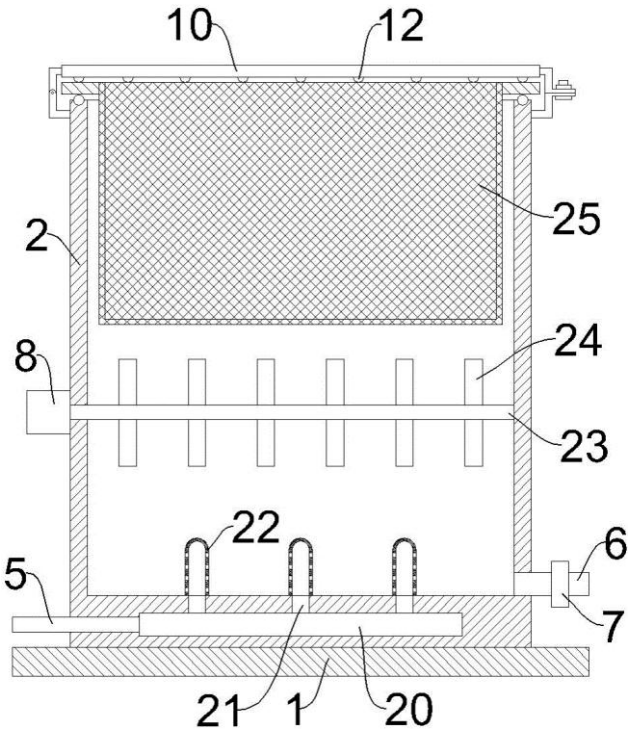
21: 2025/04990. 22: 2025/06/12. 43: 2026/02/06
51: E02B
71: Tianjin University, Transport planning and Research Institute Ministry of Transport

72: ZANG Zhipeng, FANG Zhuo
54: FLOATING COMB-TYPE BREAKWATER AND OSCILLATING BUOY WAVE ENERGY INTEGRATED MULTI-FIELD COUPLING EXPERIMENTAL DEVICE AND METHOD
00: -
The present invention discloses a floating comb-type breakwater and oscillating buoy wave energy integrated multi-field coupling experimental device and method, belonging to the technical field of marine engineering. The invention enables real-time monitoring of hydrodynamic and wind field conditions, allowing timely detection of abnormal experimental conditions and necessary adjustments. It simulates the vertical motion of the oscillating buoy, wherein the oscillating buoy model moves vertically under the combined action of waves and a damper without being affected by the floating comb-type breakwater model. By employing six-degree-of-freedom motion capture cameras, the invention achieves high-precision measurement of the motion of both the oscillating buoy model and the floating comb-type breakwater model without interfering with the movement of the oscillating buoy model. The non-contact measurement of wave heights before and after the breakwater and oscillating buoy model avoids disturbing the flow field, thereby reducing experimental errors. Additionally, the invention facilitates synchronous measurement and recording of various physical parameters, aiding in the analysis and understanding of the motion mechanisms of the oscillating buoy model under different wave-current and wind conditions

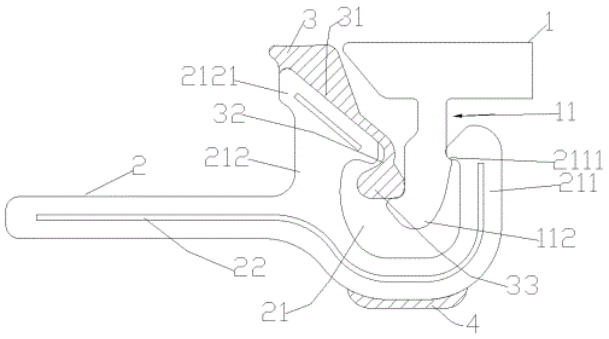


21: 2025/04991. 22: 2025/06/12. 43: 2026/02/06
51: C02F
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, CHINA POWER DABIESHAN (HUBEI) ELECTRIC POWER DEVELOPMENT CO., LTD., HENAN TOOYA ENVIRONMENTAL TECHNOLOGY CO., LTD., HENAN CHENGJIANG LOW-ALTITUDE INTEGRATED SERVICES CO., LTD.

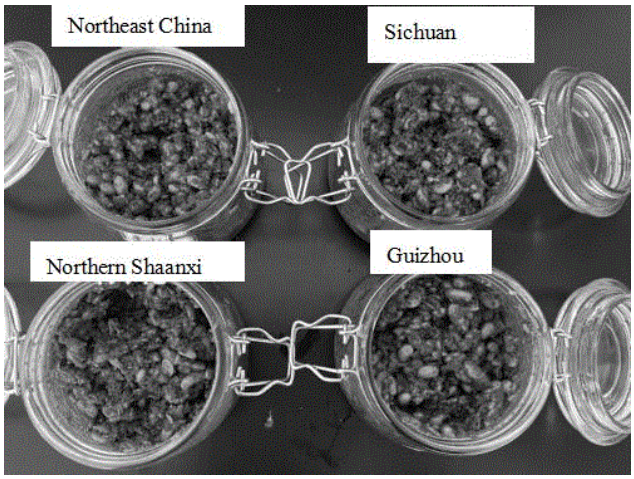
72: HEI Xiaohan, LIU Kai, DONG Wenchao, LI Yanlei, HEI Qiaoli, GUO Liping
54: RIVER TREATMENT DEVICE FOR BLACK AND ODOROUS WATER BODIES
00: -
The present invention belongs to the technical field of river regulation, particularly relating to a river treatment device for black and odorous water bodies. The device comprises a base, with a shell fixedly connected to the top of the base. The inner bottom wall of the shell is provided with a plurality of aeration heads, and the middle part of the shell is provided with a plurality of stirring blades. The outer side wall of the shell is movably connected to a fixing ring, with a plurality of upper rolling balls movably arranged at the bottom of the fixing ring. The top of the side wall of the shell is movably provided with a plurality of lower rolling balls. The interior of the shell is provided with a filter box at the top, and the outer side wall of the filter box is fixedly sleeved with a toothed ring. The toothed ring is positioned between the upper rolling balls and the lower rolling balls and is in rolling contact with them. The outer side wall of the shell is fixedly connected to a first motor, with the output end of the first motor fixedly connected to a gear. The gear meshes with the toothed ring. The side wall of the shell is fixedly connected to a liquid discharge pipe at the bottom. The invention can improve the treatment efficiency of black and odorous water bodies.



21: 2025/04992. 22: 2025/06/12. 43: 2026/02/06
51: B60J
71: Qinhuangdao Danfeng Technology Co.,Ltd.
72: Zhiqiang Li, Mengmeng Bi, Xinyue Du, Dongxue Wang
33: CN 31: 2024115487466 32: 2024-11-01
54: CLAMPING STRIP BELOW FRONT WINDSHIELD
00: -
The present invention relates to the field of vehicle accessories, and provides a clamping strip below a front windshield, comprising: a clamping strip, wherein one end is provided with a special-shaped assembly cavity which comprises a first limiting arm, a second limiting arm and an installation port; a soft material limiting element, which is fixed on the top of the first limiting arm, extends into the special-shaped assembly cavity from the installation port and comprises a contraction section and a plugging head; and a cover plate, wherein the bottom is provided with a J-shaped element and the J-shaped element pushes the plugging head of the soft material limiting element to move to the inner wall of the first limiting arm in the assembly process of the cover plate and the clamping strip to make the J-shaped element easily enter the special-shaped assembly cavity for assembly. When the cover plate and the clamping strip are assembled in place, the top of the first limiting arm and the top of the second limiting arm accommodate the contraction section and the J-shaped element; and parts of the plugging head and the J-shaped element located in the special-shaped assembly cavity form abutting plugging for the installation port to assemble the J-shaped element in the special-shaped assembly cavity. The present invention realizes easy installation and stable installation of the clamping strip and the cover plate at the bottom of the front windshield of a vehicle, and is shock-absorbent and quiet during vehicle driving.



21: 2025/04995. 22: 2025/06/12. 43: 2026/02/06
51: A23L
71: Sichuan Tourism University
72: DUAN Lili, JI Derong, LI Cheng, LUO Jingjing, LI Yang, JIANG Shijia, GE Zhiyue, DENG Wenjun, LI Shuang
54: PREPARATION METHOD OF FLAVORED DOUCHI
00: -
The invention provides a preparation method of flavored douchi, belonging to the technical field of food processing. The preparation method of douchi comprises the steps of soybean pretreatment, cooking mode, fermentation mode and the like, wherein the soybeans used are soybeans from northeast China, Chongqing, China, northern Shaanxi and Guizhou. The invention takes soybeans as raw materials, and the flavored fermented soybean prepared by this method has good sensory score, chromaticity and electronic tongue results.

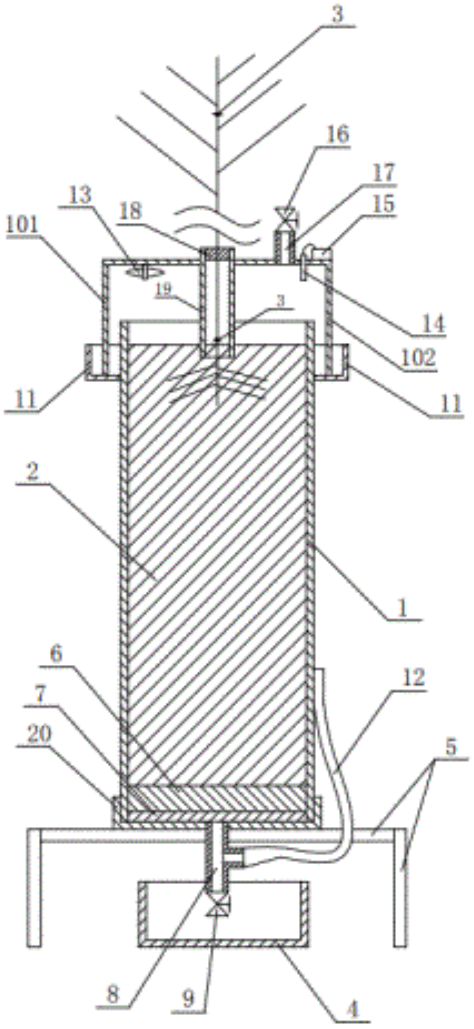


21: 2025/04996. 22: 2025/06/12. 43: 2026/02/09
51: G01N
71: Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land, Shandong Acadomy of Agricultural Sciences
72: ZHAO Zichao, LI Yan, YAO Li, WANG Yanqin, SUN Tao, LI Ran, MA Meng
33: CN 31: 2025106455244 32: 2025-05-20

54: SOIL COLUMN DEVICE FOR SIMULATING INFLUENCE OF MANURE ON SALINE-ALKALI SOIL LEACHING, GREENHOUSE GAS EMISSION AND AMMONIA VOLATILIZATION AND USING METHOD THEREOF

00: -

The application provides a soil column device for simulating influence of manure on saline-alkali soil leaching, greenhouse gas emission and ammonia volatilization. In the application, an inner isolation tube is designed in a gas collecting hood, and plants are wrapped by the inner isolation tube, so that tall plants planted in the soil can penetrate through the gas collecting hood and be exposed, and the gas collecting hood only covers a small section of stems near the ground surface of tall plants, so that the soil column device can be used for simulating experiments on the soil planted with tall plants; the bottom end of the inner isolation tube is inserted into the soil, so that the inner isolation tube isolates the plants from the soil, so that gases such as carbon dioxide released by the metabolism of the plants are prevented from mixing with the gases emitted by the soil, and the detection accuracy is improved. According to the application, the leaching solution liquid level indicating tube is arranged, so that the liquid level of the leaching solution at the inner bottom of the soil holding tube can be conveniently and efficiently known.



21: 2025/04997. 22: 2025/06/12. 43: 2026/02/06
51: A01G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANKHEDE, Disha Sushant, MISHRA, Vaishali, MANIKJADE, Akshay Ashok, KARNIK, Madhuri Prashant, BHOR, Pranita, THALE, Radhika, MISHRA, Janhvi, VALVI, Pradnya

54: A COMPREHENSIVE PLANT CARE SYSTEM WITH AR DESIGN, DISEASE SCANNING AND AI GUIDANCE

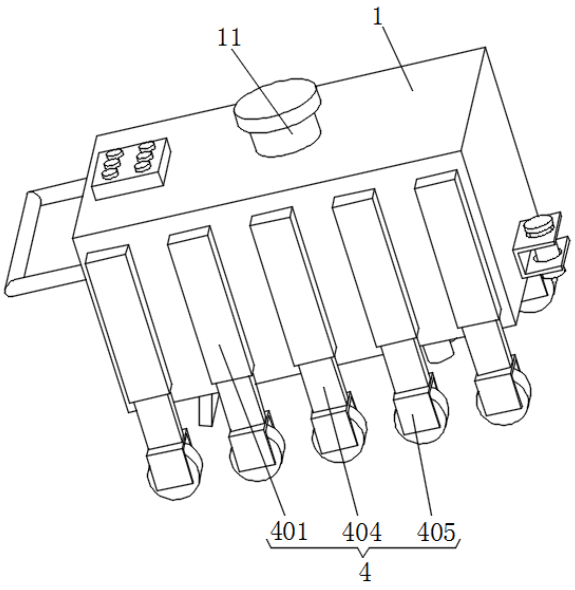
00: -

The present invention is related to a comprehensive plant care system with AR design, disease scanning and AI guidance. The invention is a revolutionary smart plant care system that uses some combination

of real-time monitoring, machine learning, and AR/VR technology to help users care for plants in the healthiest possible ways or design personalized garden spaces using software, sensors measuring soil moisture, temperature, pH, chlorophyll content, and nutrient levels, followed by a microcontroller-Arduino or Raspberry Pi-to monitor conditions. The system is an automated resource giving care suggestions, reminders of tasks to be done, and even suggesting diseases and their treatments using Ayurvedic and Allopathic medicines. The system has also introduced an AR/VR customization tool for the garden, allowing a user to envision and optimize the layout of his plants in 3D. In addition to all this, community engagement features are incorporated into it that helps users to engage in competitions, share experiences, and seek access to educational resources, and it is not just that, it is also a complete solution for the present modern smart era of plant care. Apart from that, in the area of personalizing plant care, there is musical therapy for the maintenance of plants.

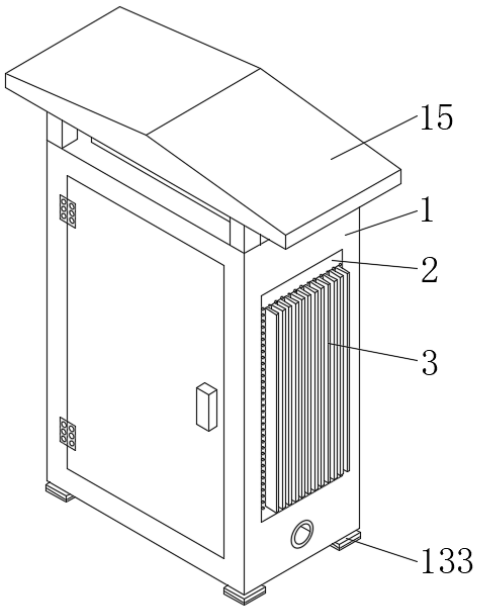
21: 2025/04998. 22: 2025/06/12. 43: 2026/02/06
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GHULE, Gauri Vaijukumar, RATNAPARKHI, Archana, SUTAR, Omkar, KENDURKAR, Aditya, KULKARNI, Sai, MALPATHAK, Samarth, THAKUR, Gaurish
54: A PYTHON BASED SYSTEM FOR VISUALIZATION OF CALL STACK DYNAMICS IN C PROGRAMS
00: -
The present invention is related to a python-based system for visualization of call stack dynamics in C programs. By transforming C source code into Abstract Syntax Trees and simulating execution flow, it offers a clear and interactive representation of stack behavior. Users can observe changes in stack frames in real time, exploring the intricacies of function execution and memory management. The system's intuitive design bridges the gap between theoretical concepts and practical application, enhancing both learning and debugging experiences. With applications in education, software development, and research, this invention sets a new benchmark for the tools that demystify the complexities of stack operations in programming.

21: 2025/04999. 22: 2025/06/12. 43: 2026/02/06
51: A01C
71: HUAINAN NORMAL UNIVERSITY
72: LIANG, Lei, ZHU, Zhennv, LIU, Qi, ZHANG, Haiyan, LI, Yan
54: INTELLIGENT SEEDING DEVICE FOR ADAP
00: -
The present invention relates to an intelligent seeding device adapted for uneven terrain, aimed at improving seed discharge and preventing clogging during sowing. The device comprises a protective shell connected to a discharge pipe at its bottom. A dredging mechanism, including a protective box, is installed inside the shell to prevent blockage. An auxiliary support mechanism is also provided on the shell's surface. The dredging system employs a rotating motor, rotating disc, driving column, driving frame, push plate, transverse plate, and dredging cone to clear blockages and ensure consistent seed flow. This structure facilitates efficient seed storage and uniform discharge, enhancing sowing effectiveness. The invention offers a reliable anti-clogging solution, improving the overall efficiency and reliability of seeding operations, especially in variable terrain.



21: 2025/05002. 22: 2025/06/12. 43: 2026/02/09
51: H04L; H05K
71: HUAINAN NORMAL UNIVERSITY
72: HUANG, Guangshun, GONG, Wenli
54: DISTRIBUTED STORAGE BLOCKCHAIN DATA SECURITY PROTECTION CABINET

00: -
The invention relates to cabinet technology and discloses a distributed storage blockchain data security protection cabinet. The cabinet includes a cabinet body with heat-conducting plates embedded on both sides, each fixed with heat dissipation fins extending into the inner cavity. A back plate is mounted inside the cavity via a bracket for easy installation of electrical components. The system incorporates a wind duct and fan for active heat extraction and airflow acceleration. A wind box, positive and negative threaded rods, a rectangular plate, heat dissipation fan, and servo motor are also included to enable uniform airflow over components. This structural configuration enhances the cabinet's cooling efficiency, ensuring stable operation of electronic elements used in secure blockchain data storage applications.



21: 2025/05004. 22: 2025/06/12. 43: 2026/02/09
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SULTANPURE, Kavita Arjun, MAHALLE, Parikshit N., WASEKAR, Tejas Rajkumar, TAMBE, Shubham Rajendra, SOOD, Shruti, SIDANALE, Rijul Vidyasagar, POWAR, Payal Ranjeet
54: A BEVERAGE COASTER WITH INTEGRATED SENSORS FOR REAL-TIME TEMPERATURE MONITORING AND REGULATION
00: -
The present invention is related to a beverage coaster with integrated sensors for real-time temperature monitoring and regulation. The coaster combines IoT and advanced sensors to offer precise beverage temperature control and user interaction. It leverages Arduino and NodeMCU for efficient operation, enhancing beverage enjoyment through intuitive controls, sustainability, and personalization. The invention offers several advantages over existing technologies like precise beverage temperature regulation using integrated sensors and Peltier modules, enhanced user experience with intuitive controls and mobile app integration as well as improved energy efficiency and sustainability through optimized power consumption.

21: 2025/05005. 22: 2025/06/12. 43: 2026/02/09
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KOKATE, Naina Sanjay, ZAWARE, Geeta Balkrushna, KULKARNI, Mihir Ashish, KULKARNI, Shlok Santosh, KULKARNI, Aryan Prashant, KULWAL, Sharvani Nagesh, KULKARNI, Samarth Vishwanath, KULKARNI, Parth Datta
54: AN AI-ASSISTED DISEASE DIAGNOSIS SYSTEM VIA MEDICAL IMAGING FOR DENTAL HEALTH
00: -
The present invention is related to an AI-assisted disease diagnosis system via medical imaging for dental health. The evolution of medical imaging technology has revolutionized healthcare, enabling accurate and timely disease diagnosis. With the rapid advancement in AI and machine learning, the analysis of medical images is becoming more precise, allowing for early detection and intervention. The invention focuses on leveraging these technologies to develop an innovative solution for diagnosing diseases using medical imaging, with specific applications in dental health, cancer detection, and kidney diseases. The invention is an AI-powered diagnostic tool designed to analyze dental X-rays and CBCT scans for detecting and classifying dental conditions such as cavities, gum diseases, fractures, and teeth misalignments. It leverages advanced machine learning algorithms, primarily Convolutional Neural Networks (CNNs) and object detection models like YOLOv8, to deliver fast and accurate diagnoses.

21: 2025/05006. 22: 2025/06/12. 43: 2026/02/09
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SULTANPURE, Kavita Arjun, KULKARNI, Mukund, WASEKAR, Tejas Rajkumar, TAMBE, Shubham Rajendra, SOOD, Shruti, WAGASKAR, Akanksha Maruti, THENGE, Aniket Dnyaneshwar

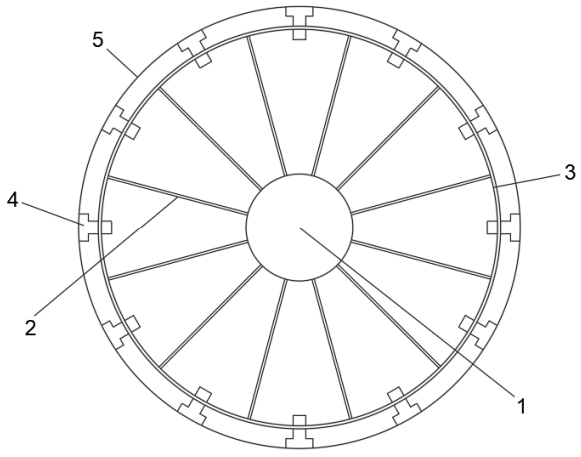
54: AN EEG SIGNALS BASED BRAIN-COMPUTER INTERFACE SYSTEM FOR CONTROLLING ROBOTIC MOTIONS

00: -
The present invention is related to an EEG signals-based brain-computer interface system for controlling robotic motions. This invention introduces a mind-controlled robotic system using EEG signals for real-time navigation and motion control. The integration of IoT and ultrasonic sensors ensures precise control, obstacle avoidance, and safe mobility, making it a valuable assistive technology for disabled individuals. Existing technologies have limitations like low signal accuracy, limited real-time interaction and object detection feature etc. The invention addresses these gaps with improved signal processing, real-time IoT communication, and obstacle-detection capabilities.

21: 2025/05007. 22: 2025/06/12. 43: 2026/02/09
51: E21D; E21F
71: CHINA RAILWAY FIRST GROUP FOURTH ENGINEERING CO., LTD, CHINA RAILWAY FIRST GROUP CO., LTD
72: LI, Neng, BAI, Pengcheng, HUO, Zhigang, JIANG, Changli, TONG, Yanliang, YAN, Yumin, MA, Xinmin, CUI, Wentao, LIU, Xunning, ZHANG, Yonghui, SHEN, Yanfeng, LIU, Songlin, ZHANG, Kuiqiang, WANG, Jian, HU, Jingyu, QI, Xinghe, LIU, Huan, GUO, Zhiqiang, AN, Shan

54: SUPPORTING DEVICE ADAPTABLE TO RADIAL DEFORMATION OF STEEL PLATE SEALING LAYER

00: -
Disclosed is a supporting device adaptable to radial deformation of a steel plate sealing layer, which relates to the technical field of gas storage chamber construction. The supporting device includes: a bearing drum; a plurality of supporting spokes, where the plurality of supporting spokes are arranged on a side wall of the bearing drum, and the plurality of supporting spokes are uniformly distributed in a circumferential direction of the bearing drum; a supporting ring beam, where the supporting ring beam is arranged on an outer side of the bearing drum, the supporting ring beam is concentric with the bearing drum, and the supporting ring beam is connected to the bearing drum by means of the supporting spokes; a plurality of insertion holes, where the insertion holes are provided on the supporting ring beam, and the plurality of insertion holes are uniformly distributed in a circumferential direction of the supporting ring beam; and insertion heads, where one ends of the insertion heads are sleeved with the insertion holes, and the other ends of the insertion heads are fixedly connected to the steel plate sealing layer. The present invention can solve the problems of deformation, collapse and rotation displacement of a steel plate sealing layer during pressure release and filling, and ensures that the steel plate sealing layer cannot collapse and rotationally displace while being adaptable to deformation, such that sealing performance indexes of the steel plate sealing layer satisfy requirements, and maintenance personnel can safely enter the steel plate sealing layer for maintenance.

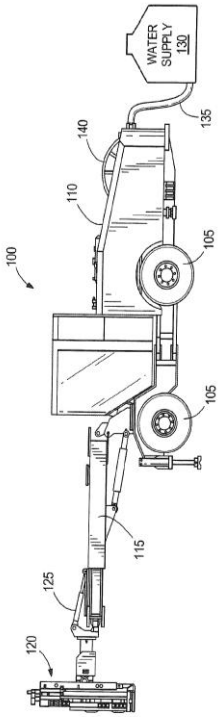


21: 2025/05022. 22: 2025/06/12. 43: 2026/02/09
51: A62C; H01M
71: JOY GLOBAL UNDERGROUND MINING LLC
72: BHAMBRI, Nehul
33: US 31: 63/434,364 32: 2022-12-21

54: THERMAL RUNAWAY MITIGATION IN ELECTRIC MINING MACHINES

00: -
A thermal management system comprising an enclosure housing a battery pack, wherein the

enclosure includes an inlet, a sensor configured to sense a characteristic associated with the battery pack, and a controller coupled to the sensor. The controller is configured to receive a signal indicative of the characteristic associated with the battery pack from the sensor, determine, based on the characteristic associated with the battery pack, that a condition indicative of a thermal runaway event is satisfied, and in response, cause water to flow into the enclosure through the inlet.

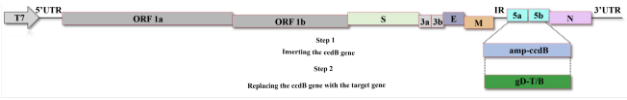


21: 2025/05026. 22: 2025/06/13. 43: 2026/02/09
51: A61K; C12N
71: SOUTH CHINA AGRICULTURAL UNIVERSITY
72: XIE, Qingmei, SHAO, Guanming, FENG, Keyu, GONG, Shiying

54: EXPRESSION CASSETTE OF ANTIGENIC EPITOPES OF INFECTIOUS LARYNGOTRACHEITIS VIRUS (ILTV) GLYCOPROTEIN D (GD), RECOMBINANT VIRUS, AND USES THEREOF

00: -

The present invention discloses an expression cassette of antigenic epitopes of Infectious Laryngotracheitis Virus (ILTV) glycoprotein D (gD), a recombinant virus, and uses thereof, relating to the field of genetic and protein engineering. The expression cassette of antigenic epitopes of ILTV gD provided by the present invention comprises T-cell and B-cell epitopes derived from the gD protein of infectious laryngotracheitis virus (ILTV) WG strain. The present invention involves replacing the 5ab gene of the H120 strain of infectious bronchitis virus (IBV) with a gene encoding the epitope expression cassette of antigenic epitopes of ILTV gD, thereby obtaining a recombinant virus rH120-gD-T/B. The recombinant virus exhibits excellent genetic stability and is suitable for developing a safe and effective bivalent live-vectored vaccine against both infectious bronchitis (IB) and infectious laryngotracheitis (ILT), thereby overcoming the stability limitations of conventional recombinant IBV vaccines.



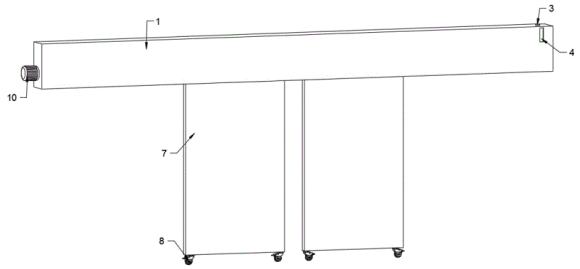
21: 2025/05027. 22: 2025/06/13. 43: 2026/02/09
51: G07C
71: Guang Dong Technology College
72: Chen Xinxin
33: CN 31: 2024114826307 32: 2024-10-23

54: AN ELECTROMECHANICAL INTEGRATED INTERLOCKING AUTOMATIC CONTROL DEVICE

00: -

The invention discloses an electromechanical integrated interlock automatic control device, relating to the field of interlock control, comprising a top frame. An oil tank is excavated inside the top frame, and the top of the oil tank is provided with an oil inlet. The oil inlet is sealedly connected by a sealing plug, and a metering column is fitted and installed inside the side of the oil tank. A movable chamber is also provided inside the top frame. In the invention, the door panels are driven to move toward each other or separate from each other by the driving motor, realizing the interlocking and opening/closing of the door panels. At the same time, the door panels move inside channels that are movably connected with them, ensuring the stability of the door panel movement. Meanwhile, during the rotation of the drive shaft driving the top block to move in a straight line, the conical block embedded inside the top block pushes against the blocking block at the top during the movement process, thereby opening the oil outlet channel. This facilitates the lubricating oil inside the oil tank to drip into the threaded groove inside the top block,

making the movement of the top block, which is thread-connected with the drive shaft, smoother, thus ensuring smooth movement of the two door panels.

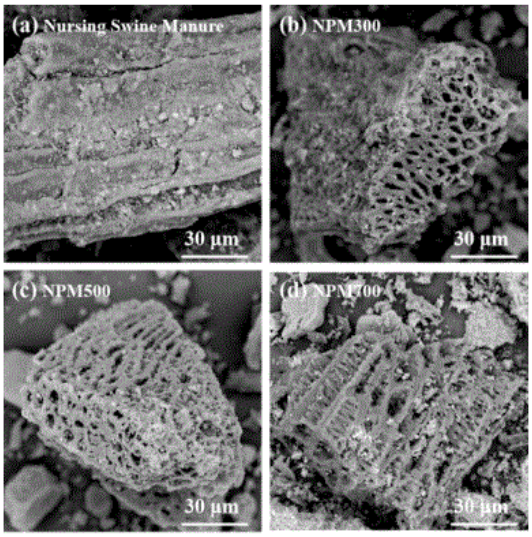


21: 2025/05028. 22: 2025/06/13. 43: 2026/02/09
51: C05G
71: Zhejiang University of Science and Technology
72: XU, Qianxue, MENG, Jun, YAO, Chaowen, PAN, Yu, CUI, Zhonghua, WU, Ye

54: APPLICATION OF ZINC-ENRICHED BIOCHAR PREPARED FROM MANURE OF NURSERY PIGS IN IMPROVEMENT OF ZINC CONTENT OF WHEAT

00: -

Disclosed is the application of zinc-enriched biochar prepared from manure of nursery pigs in the improvement of zinc content of wheat, which belongs to the technical field of research and development of fertilizers. The zinc-enriched biochar is prepared from the manure of the nursery pigs through oxygen-limited pyrolysis, can be used as a base fertilizer or a top dressing, has the characteristics of environmental protection and renewability, alleviates zinc fertilizer resource shortage at present, and also reduces the dependence on traditional zinc ore resources. Moreover, the zinc-enriched biochar has high zinc enrichment capacity and slow release performance, can effectively improve zinc content of soil and promote crop zinc uptake, and offers important environmental benefits and agricultural application value.

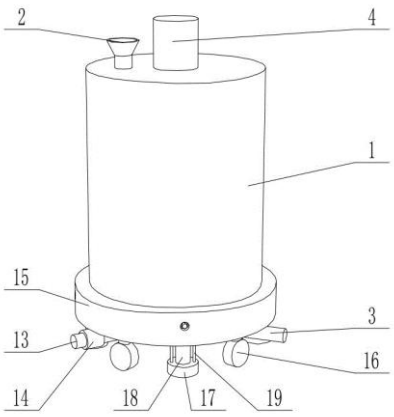


21: 2025/05030. 22: 2025/06/13. 43: 2026/02/09
51: A01C
71: Kunming University of Science and Technology
72: WANG Song, LIU Yanwei, YANG Qiliang, LU Shumiao, ZHANG Chu, ZHANG Lei, CHEN Zeping, XIAO Mingcheng, PU Yonghui, LI Yulin

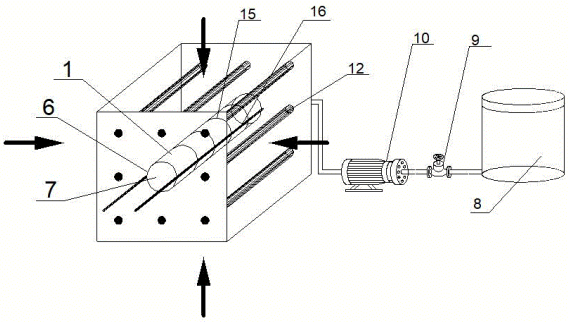
54: TOMATO WATER-FERTILIZER INTEGRATED DEVICE

00: -

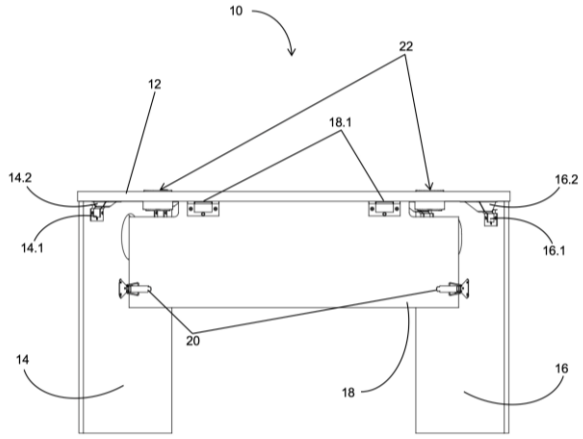
The present invention discloses a tomato water-fertilizer integrated device, which belongs to the technical field of tomato cultivation. The device comprises: A mixing tank, with a feed inlet at the top and a discharge pipe connected at the bottom, where the discharge pipe is linked to an irrigation water network; A first stirring mechanism, including a motor mounted on the top of the mixing tank, where the motor drives a stirring shaft circumferentially fixed with multiple first stirring rods; A second stirring structure, including a transmission ring rotatably connected to the top of the mixing tank's inner chamber. The stirring shaft drives the transmission ring to rotate via a transmission assembly. The bottom of the transmission ring is circumferentially fixed with multiple L-shaped wall-cleaning rods, where the outer side of the rods contacts the inner wall of the mixing tank, and the inner side is fixed with multiple second stirring rods arranged alternately with the first stirring rods. The invention achieves bidirectional stirring through coordinated operation of the first and second stirring structures, improving mixing efficiency and uniformity, while the wall-cleaning rods prevent fertilizer adhesion to the tank walls.



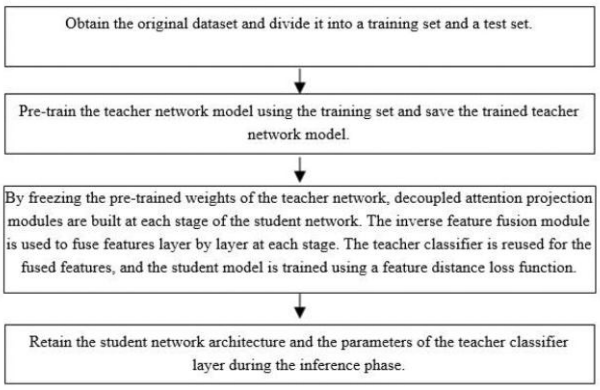
21: 2025/05032. 22: 2025/06/13. 43: 2026/02/09
51: H01G
71: China University of Mining and Technology, Yunlong Lake Laboratory of Deep Underground Science and Engineering
72: HU Chengguo, LI Xiaozhao, HU Lihua, ZHAO Peng, WU Yun, MENG Bo, YIN Qian, SU Haijian
54: COUPLING SIMULATION DEVICE OF UNDERGROUND WATER-COMPRESSED AIR ENERGY STORAGE TUNNEL
00: -
The present invention discloses a coupling simulation device of underground water-compressed air energy storage tunnel, including: a gas storage cavern, both ends of the gas storage cavern are provided with sealing plates, and a rubber waterstop is arranged between the sealing plates and the gas storage cavern, an outer side of the gas storage cavern is a cast surrounding rock layer; a gas supply system, the gas supply system communicates with an inner chamber of the gas storage cavern through one sealing plate, while the other sealing plate is provided with an exhaust hole; a underground water simulation system; a surrounding rock pressure monitoring system, the surrounding rock pressure monitoring system is arranged on the surrounding rock layer; a gas storage stress-strain monitoring system, the gas storage stress-strain monitoring system is arranged on the outer wall of the gas storage cavern; a confining pressure system and a temperature control system. The present invention fills the gap in full working-condition simulation technology in the field of coal mine underground space energy storage, providing key equipment support for the resource utilization of abandoned mines.



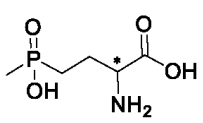
21: 2025/05033. 22: 2025/06/13. 43: 2026/02/09
51: A47B
71: KEVO PROJECT MANAGEMENT (PTY) LTD
72: ELSE, Sean Richard
54: FOLDABLE TABLE
00: -
This invention relates to a foldable table. In particular, the invention relates to a foldable table which is modular, designed for efficient transportation and optimises spatial usage. The foldable table includes a tabletop and two panel-legs connected on opposing ends of the tabletop via a first and second hinge set. Each hinge set defines a hinge axis, the hinge axes being vertically offset relative to the tabletop such that one panel-leg is foldable over the other, thereby defining a flat-stacked arrangement. The flat-stacked arrangement facilitates compact storage and transport in the stowed configuration. The tabletop and panel-legs are shaped and dimensioned to enable tessellation with one or more identical foldable tables, allowing for the formation of various modular configurations when deployed.



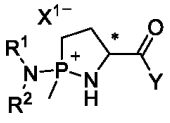
21: 2025/05054. 22: 2025/06/13. 43: 2026/02/09
51: G01N
71: Chongqing University of Technology, Chongqing Normal University, Chongqing Linglue Technology Co., Ltd.
72: LI Gang, RUAN Zihan, XU Chuanyun, LV Pengfei, ZHOU Zheng, WANG Ru, FAN Xinyu, TAN Wei, ZHOU Chunyu, DENG Jianglin, JIANG Jianzhong
33: CN 31: 202510082092.0 32: 2025-01-20
54: KNOWLEDGE DISTILLATION METHOD BASED ON REVERSE FEATURE FUSION AND CLASSIFIER REUSE
00: -
The invention discloses a knowledge distillation method based on reverse feature fusion and classifier reuse, relating to the field of computer technology. The invention comprises at least the following steps: S1: Obtain the original dataset and divide it into a training set and a test set; S2: Preprocess the original dataset; S3: Pre-train the teacher network model using the training set and save the trained teacher network model; S4: By freezing the pre-trained weights of the teacher network, introduce a decoupled attention projection module and a reverse feature fusion module into the student network, and train the student model by reusing the teacher classifier and feature distance loss function; S5: Retain the student network architecture and the parameters of the teacher classifier layer during the inference phase. Through the design of the method, the present invention can overcome the issue of significant differences in feature expression between the teacher and student intermediate layers, which makes it difficult for the student network to fully learn the implicit knowledge of the teacher network's intermediate layer features. By reusing the teacher classifier, the output distribution closer to the teacher is achieved.



21: 2025/05061. 22: 2025/06/13. 43: 2026/02/09
51: C07F
71: YONGNONG BIOSCIENCES CO., LTD., NINGXIA YONGNONG BIOSCIENCES CO., LTD.
72: TANG, Wenjie, WU, Chengjun, LI, Nan, XU, Jianjie, TANG, Xianzhong, MAO, Chunhui
33: CN 31: 202211440553.X 32: 2022-11-17
33: CN 31: 202310033931.0 32: 2023-01-10
54: METHODS OF PREPARING GLUFOSINATE
00: -
Disclosed is a method of preparing glufosinate, specifically a method of preparing glufosinate represented by formula (I) or a salt or enantiomer thereof, or a mixture of its enantiomers in any ratio, comprising a step of hydrolyzing a compound of formula (III) to obtain a compound of formula (I). Due to the distinctive reaction mechanism employed in the method of the present disclosure, formation of a halogenated hydrocarbon by-product in the Michaelis-Arbuzov reaction can be avoided, thus preventing the destructive impact of such by-product on the ozone layer. Accordingly, the equipment and engineering investments required for separation, purification, and collection of the by-product are eliminated, and potential environmental and safety hazards caused by the by-product are also avoided.



(I)



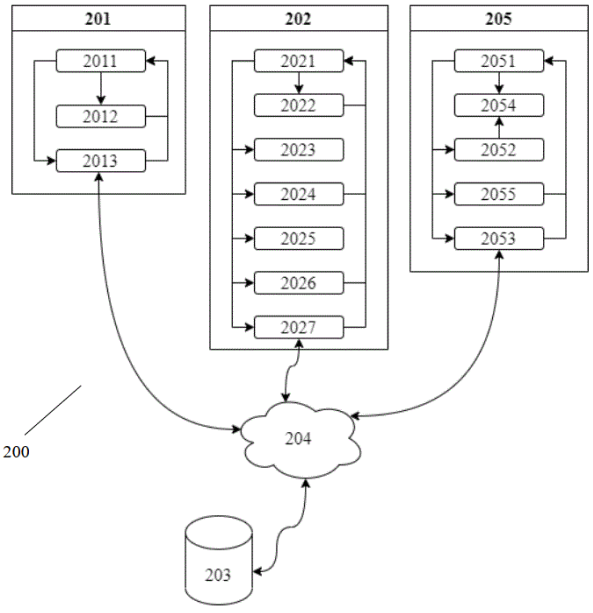
(III)

21: 2025/05069. 22: 2025/06/17. 43: 2026/02/11
51: A61J; G06F
71: LIMITED LIABILITY COMPANY SIMPLETABS
72: KRAVCHENKO Alexander Aleksandrovich
33: RU 31: 2025110939 32: 2025-04-26

54: DEVICE FOR STORING AND DISTRIBUTING DOSAGE FORMS WITH TRANSCEIVER

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. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to access a stored dosage form in response to an identified body status. In some aspects of the proposed invention, the technical problems also include the provision of methods and/or products and/or implementations that make it possible to detect substances in a body that prevent the usage of a medical drug and/or dietary supplement. Another technical problem to be solved by the proposed invention is to expand the technical means, i.e., methods and/or products and/or implementations related to storage and distribution of dosage forms.



21: 2025/05072. 22: 2025/06/17. 43: 2026/02/11

51: A01K

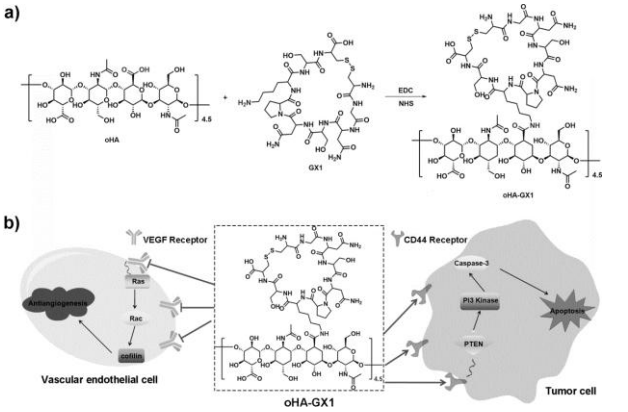
71: THE AFFILIATED HOSPITAL OF SOUTHWEST MEDICAL UNIVERSITY

72: Pei Jing, Guojun Wang, Deyan Xie, Ruoyan Li, Xiaojuan Qiu, Nuoya Wen

54: MULTIVALENT MULTI-TARGET OHA-GX1 ANTI-TUMOR COMPOSITION

00: -

The invention provides a multivalent multi-target oHA-GX1 anti-tumor composition. The drug is composed of polypeptide GX1 targeting vascular endothelial growth factor receptor and oligomeric hyaluronic acid (oHA) targeting CD44 receptor through amide bond to form oHA-GX1 complex. The complex is a macromolecular polyvalent drug, carrying a plurality of GX1 molecules, and can be combined with VEGF receptor and CD44 receptor overexpressed in tumor tissues at the same time, thereby inhibiting the generation of tumor neovascularization, inducing tumor cell apoptosis and synergistically inhibiting tumor growth. The multi-target drug effectively avoids off-target effect, reduces toxic and side effects on normal tissues, and has long circulating half-life and excellent biocompatibility. The invention also provides a preparation method of the multi-target drug and the application of the drug in preparing anti-tumor drugs.



21: 2025/05097. 22: 2025/06/17. 43: 2026/02/11

51: A23L; C08B; A61P

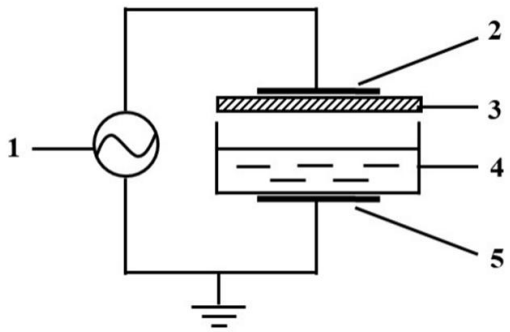
71: SOUTH CHINA UNIVERSITY OF TECHNOLOGY

72: YOU, Lijun, YU, Yongyi

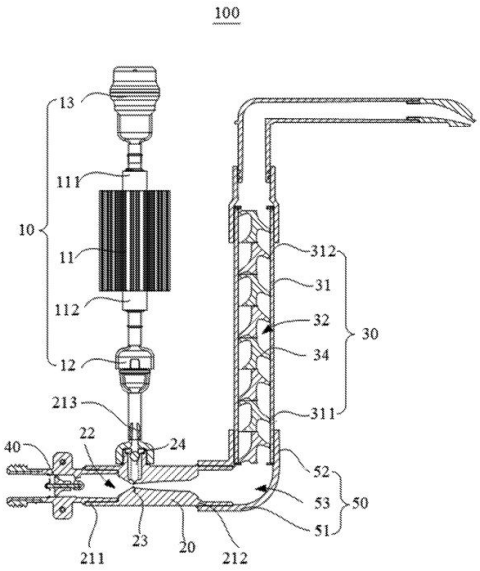
33: CN 31: 202310056495.9 32: 2023-01-16

54: FUCOIDAN DEGRADED BY DIELECTRIC BARRIER DISCHARGE PLASMA, PREPARATION METHOD THEREFOR AND USE THEREOF

00: -
The present invention relates to the field of refined and deep processing of brown algae. Disclosed are fucoidan degraded by dielectric barrier discharge plasma, a preparation method therefor and a use thereof. The method specifically comprises the following steps: placing crude fucoidan in a dielectric barrier discharge plasma reactor for plasma degradation, and after the reaction is completed, performing dialysis to obtain degraded fucoidan. The method of the present invention involves simple operations, and is safe, efficient and environmentally friendly. The obtained fucoidan has a molecular weight of 12-230 kDa, a total sugar content of 53-88%, a decolorization ratio of 51.62-96.43% and a deproteinization ratio of 69.14-85.49%, can significantly increase the secretion levels of NO and IL-6, has strong immunoregulation activity, can be used for developing immunoregulation-related drugs or functional foods, improves the refined and deep processing level of related algae, and promotes the development of blue marine economy.

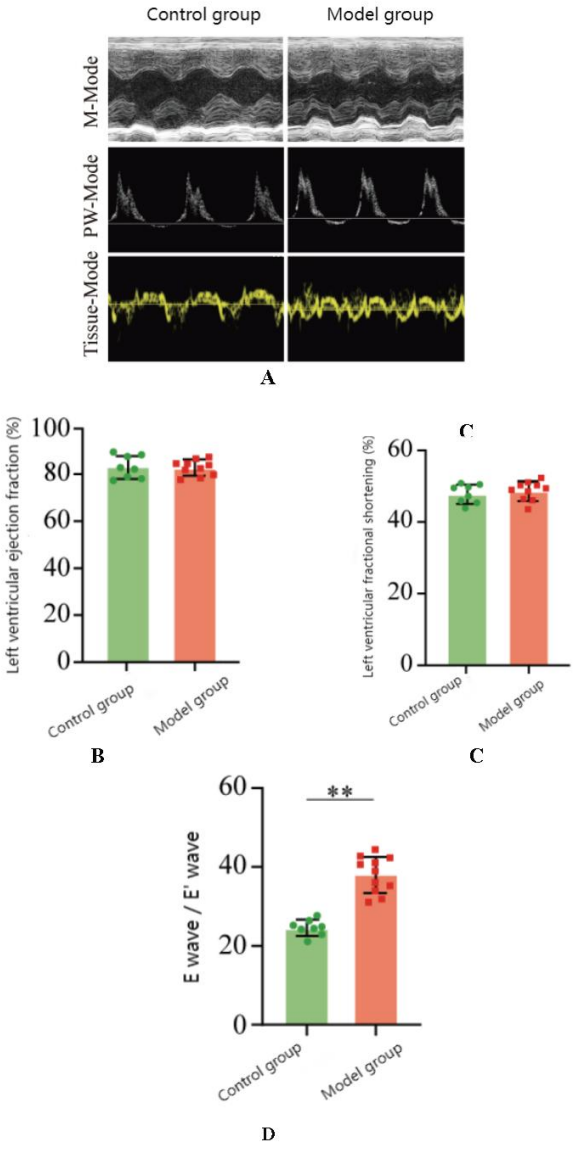


21: 2025/05112. 22: 2025/06/17. 43: 2026/02/11
51: A61L; B01F
71: DONGGUAN EMERY PLASTIC HARDWARE CO., LTD.
72: LIANG, Qiang, YU, Shaofeng
54: DISINFECTION AND STERILIZATION MACHINE
00: -
A disinfection and sterilization machine is provided, including an ozone gas generation mechanism, a microbubble ejector, and a microbubble gas-liquid mixer. The ozone gas generation mechanism has a gas inlet end and an ozone output end. The microbubble ejector has an ozone absorption end, a liquid inlet end, and a liquid outlet end. The ozone absorption end is communicated with the ozone output end. The microbubble ejector is configured to mix gas input from the ozone absorption end with liquid input from the liquid inlet end. The microbubble gas-liquid mixer is provided with an input port and an output port. The input port is communicated with the liquid outlet end. The microbubble gas-liquid mixer is further provided with a spiral stirring cavity for ozone water located between the input port and the output port. The technical solution aims to improve a disinfection and sterilization rate of ozone water.



21: 2025/05125. 22: 2025/06/18. 43: 2026/02/11
51: A01K; C12N
71: TONGJI HOSPITAL, TONGJI MEDICAL COLLEGE, HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: Lei, DAI, Yuyue, ZUO
33: CN 31: 2024110255000 32: 2024-07-29
54: METHOD FOR CONSTRUCTING AN EXPERIMENTAL MURINE MODEL OF HEART FAILURE WITH PRESERVED EJECTION FRACTION
00: -
An experimental murine model of heart failure with preserved ejection fraction(HFpEF)and constructing methods thereof are provided. The experimental murine model of HFpEF comprises: (1) knocking out the nitric oxide synthase 3 (NOS3) gene in mice using CRISPR-Cas9 technology to generate NOS3 knockout mice; and (2) administering a high-fat diet to the NOS3 knockout mice obtained in step. The experimental murine model of HFpEF method

demonstrates superior pathophysiological characteristics including, but not limited to: obesity and hypertension phenotypes, systolic/diastolic dysfunction, cardiac fibrosis, mitochondrial morphological and functional abnormalities, as well as systemic inflammatory responses. The optimized experimental model provides a validated platform for subsequent mechanistic studies of HFpEF pathogenesis.



21: 2025/05131. 22: 2025/06/18. 43: 2026/02/11
51: F42C; F42D
71: DETNET SOUTH AFRICA (PTY) LTD
72: SMITH, Ruan, OLWAGE, Phillip
33: ZA 31: 2024/04861 32: 2024-06-21
54: HARNESS WIRE

00: -
A harness wire which includes a first elongate electrical conductor in a first insulating sheath, a second elongate electrical conductor in a second insulating sheath and an elongate web which spaces the first sheath from the second sheath and which is formed with a plurality of apertures between the first and second sheaths at spaced intervals along a length of the web, and to a connector for use with the harness wire to form a connection.

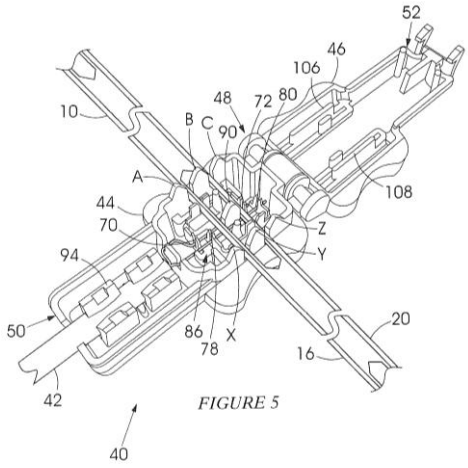


FIGURE 5

21: 2025/05134. 22: 2025/06/18. 43: 2026/02/11
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, SAKHARE, Sachin R., MORE, Priyanka, INAMDAR, Shrutee Chandrakant, SHINDE, Sakshi Dasharath, DOSHI, Sawani Tarkeshwar, BUTLE, Sanika Naresh, NAIK, Pratiksha Prashant, VARADE, Isha Santosh
54: AN IOT BASED CYBER SECURITY SYSTEM FOR SMART CITIES TO BOOST OPENNESS AND SAFETY
00: -
The present invention is related to an IoT based cyber security system for smart cities to boost openness and safety. Towards a safe, transparent and effective city infrastructure, this innovation is intended to be introduced in collaboration with IoT, cellular networks, artificial intelligence and blockchain governance, a collaborative cybersecurity framework for smart cities. Making it a partnership with ITs in the community ensures a completely cyber safe environment against any kind of threat. By leveraging the abilities of threat alarm systems, prediction technologies and secure data storage

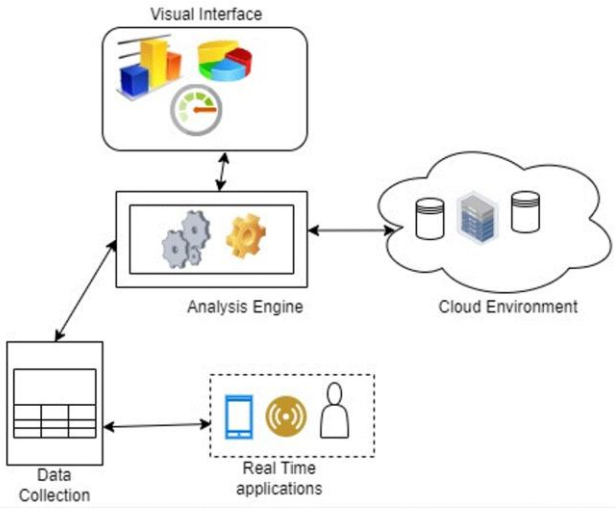
frameworks this framework makes sure that CCTVs, traffic control units, public safety etc. operate in safe manners.

21: 2025/05135. 22: 2025/06/18. 43: 2026/02/11
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KOLEKAR, Vikas K., DONGRE, Yashwant V., KHARATE, Namrata G., CHAVHAN, Pranali G., SAKHARE, Sachin R., DEOKAR, Ashish F., AMBHORE, Vishal B.

54: A REAL-TIME PERFORMANCE MONITORING AND ANALYSIS SYSTEM FOR CLOUD APPLICATIONS

00: -

The present invention is related to a real-time performance monitoring and analysis system for cloud applications. This invention presents a specialized real-time performance monitoring and analysis system designed specifically for cloud applications. It provides a comprehensive solution to improve operational efficiency and dependability. By utilizing innovative methods of data collecting and complex analytical algorithms, the system offers immediate and valuable information on the performance indicators of cloud infrastructure and apps. Through the constant monitoring and analysis of performance data, it allows for the proactive discovery of bottlenecks, abnormalities, and opportunities for optimization. This enables timely intervention and adjustments in resource allocation. The system's predictive analytics capabilities anticipate possible decline in performance, enabling proactive actions to be implemented. The solution provides user-friendly visualization interfaces and can easily integrate with cloud orchestration platforms. This enables cloud engineers and administrators to efficiently manage resources, reduce risks, and assure a high-quality user experience in cloud environments.



21: 2025/05136. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, WANJALE, Kirti, SAKHARE, Sachin, MALI, Manisha, BOGIRI, Nagaraju, JAGDALE, Manoj, PRAJAPATI, Jigar, ROUNIYAR, Rabi, SHINDE, Vaishnavi, WALKARE, Vansh

54: AN IOT BASED BIOGAS MONITORING SYSTEM WITH AI-DRIVEN PREDICTIVE DEPLETION ALERTS AND ECO SAVINGS

00: -

The present invention is related to an IoT based biogas monitoring system with AI-driven predictive depletion alerts and eco savings. The system is a new approach with a view to optimize production, biogas monitoring and management by using IoT technology in real time. Using MQ135 and MQ4 gas sensors, it measures the concentration of methane (CH_4) and carbon dioxide (CO_2) in a biogas digester and fetches critical data on gas quality. The data received is transmitted wirelessly to the cloud server where the analysis occurs and storage for future referencing takes place. When gas levels hit specified safety thresholds, the system alerts users, giving them the opportunity to take appropriate measures in good time. The system also uses predictive analytics to forecast how long the gas supply will last by using actual consumption patterns. The detailed monitoring ensures that a user maximizes their use of biogas, shows the history of consumption, and illustrates cost savings made by utilizing renewable energy sources. Overall, the innovation encourages clean energy by

improving the efficiency of producing biogas and enabling the utilization of renewable energy sources.

21: 2025/05137. 22: 2025/06/18. 43: 2026/02/11
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, WANJALE, Kirti, MALI, Manisha, RATHI, Snehal, MANE, Anirudh, PAGAR, Sai, BABDE, Om, PANDEY, Vaibhav
54: A HYBRID DECISION TREE SYSTEM FOR ENHANCING ACCURACY IN VIRTUAL HEALTHCARE
00: -
The present invention is related to a hybrid decision tree system for enhancing accuracy in virtual healthcare. The invention presents a hybrid system which is the combination of several techniques including naive bayes algorithm, dynamic feature selection and reinforcement learning. All the algorithm mentioned above used to improve the system's accuracy. By using probabilistic decision making at each node, this system identify most relevant features allowing it to adapt to new information more efficiently. The above invention helps to minimize the overfitting condition by continuously learning from new data. The system created has a lot of potential in healthcare and finance, in this sector it aims to improve process based on decision-making to boost overall performance of the system.

21: 2025/05138. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MALI, Aadit Pravin, MALI, Manisha, WANKHEDE, Disha, CHAVHAN, Pranali
54: A BLOCKCHAIN BASED INTELLIGENT VEHICLE INSURANCE SYSTEM
00: -
The present invention is related to a blockchain based intelligent vehicle insurance system. The blockchain powered smart vehicle insurance system offers a dynamic, transparent, and safe insurance model for automobiles by combining blockchain technology with Internet of Things technologies. The technology tailor's insurance rates according to actual usage and environmentally beneficial driving practices by utilizing Internet of Things sensors to gather real-time data on vehicle performance, driving behavior, and environmental effect. Blockchain guarantees safe and unchangeable data storage, allowing smart contracts to handle claims effectively. By encouraging sustainable driving and providing a more accurate and affordable option to conventional insurance models, this technology encourages green computing and benefits both insurers and car owners while fostering a more environmentally friendly future.

21: 2025/05139. 22: 2025/06/18. 43: 2026/02/11
51: A61K
71: Saurabh Bhatia, Yasir Abbas Shah, Talha Shireen Khan, Ahmed Al-Harrasi, Najeeb Ur Rehman, Salam Kadhim Al Dawery, Hamed Nasser Harharah, Ramzi Hamed Harharah, Shyam Sundar, University of Nizwa
72: Saurabh Bhatia, Yasir Abbas Shah, Talha Shireen Khan, Ahmed Al-Harrasi, Najeeb Ur Rehman, Salam Kadhim Al Dawery, Hamed Nasser Harharah, Ramzi Hamed Harharah, Shyam Sundar
54: BIOPOLYMER FILM COMPOSITION CONTAINING SODIUM ALGINATE LOADED WITH ACRIDOCARPUS ORIENTALIS STEM EXTRACT
00: -
The present invention relates to the development of a biodegradable active packaging film using sodium alginate incorporated with Acridocarpus orientalis stem extract. The extract, rich in phenolic and antioxidant compounds, was obtained through methanolic extraction and integrated into a sodium alginate matrix along with glycerol as a plasticizer. The resulting film was evaluated for its physicochemical and functional properties. It exhibited an average thickness of 0.073 ± 0.01 mm and high optical transparency (79.11 ± 0.56 %). Mechanical testing showed moderate tensile strength (0.056 ± 0.0017 MPa) and excellent elongation at break (109.7 ± 1.41%), indicating good flexibility. Antioxidant analysis revealed a DPPH radical scavenging activity of 50.99 ± 2.3%, confirming the retention of bioactivity within the film. These results demonstrate that the formulated film possesses suitable physical and active properties for application in sustainable food packaging systems.

21: 2025/05140. 22: 2025/06/18. 43: 2026/02/11
51: G08G

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, WANKHEDE, Disha Sushant, CHAVHAN, Pranali G., BOGIRI, Nagaraju, KARADKAR, Om Santosh, KATDARE, Ameya Mandar, LOHAGAONKAR, Sanket, WAGHMARE, Shubham

54: AN IOT BASED EMERGENCY TRAFFIC MANAGEMENT SYSTEM FOR AMBULANCE PRIORITY AT 4-WAY SIGNAL INTERSECTIONS

00: -

The present invention is related to an IoT based emergency traffic management system for ambulance priority at 4-way signal intersections. This innovation is a clever traffic management system that uses real-time GPS tracking to automatically adjust traffic signals so that emergency vehicles, such as fire engines and ambulances, get priority. In order to help with response times and delay reduction, it automatically determines their location and direction and modifies the traffic lights to turn green in their path. This system, in contrast to earlier ones, operates locally at junctions without the need for a sophisticated infrastructure or centralized control center. It is constructed with inexpensive, basic IoT technologies. Its cellular network dependence is limited due to its extremely reliable design, which offers a low-cost and scalable solution for regulating city traffic and expediting emergency response times.

21: 2025/05141. 22: 2025/06/18. 43: 2026/02/11
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MARAL, Vikas Balasaheb, POL, Rahul S., SHINDE, Swapnil K., BUCHADE, Amar, PANTOJI, Sarvesh Mangesh, SHINDE, Jay Rahul, SHINDE, Sanika Kiran, WALUNJ, Deepak Subhash

54: AN AI POWERED TRAVEL AND TOURISM SYSTEM WITH PERSONALIZED TRIP RECOMMENDATIONS AND UNEXPLORED AREAS EXPLORATION

00: -

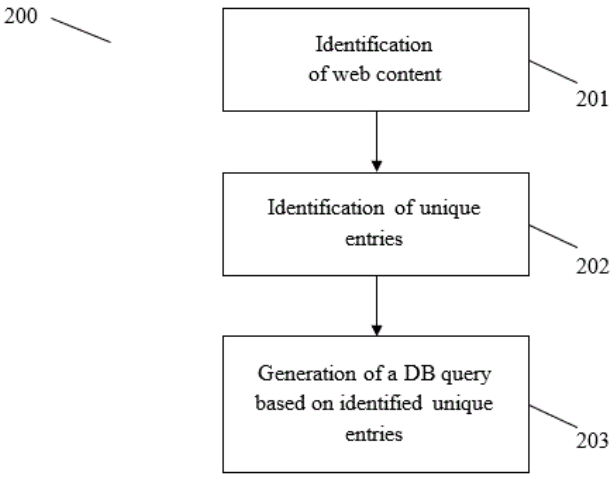
The present invention is related to an AI powered travel and tourism system with personalized trip recommendations and unexplored areas exploration. This invention is an intelligent travel service that provides suggestions for trips, enables users to build their trips, and provides an uncharted areas service to help people explore previously uncovered regions. It combines a local plaza, which allows residents to showcase products and services to encourage others to visit such areas and boost both travel and e-commerce in such areas. The system includes an automated itinerary builder, a live travel agent bot that works in instant messenger, and allows for direct booking of travel and accommodations.

21: 2025/05206. 22: 2025/06/19. 43: 2026/02/12
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110706 32: 2025-04-24

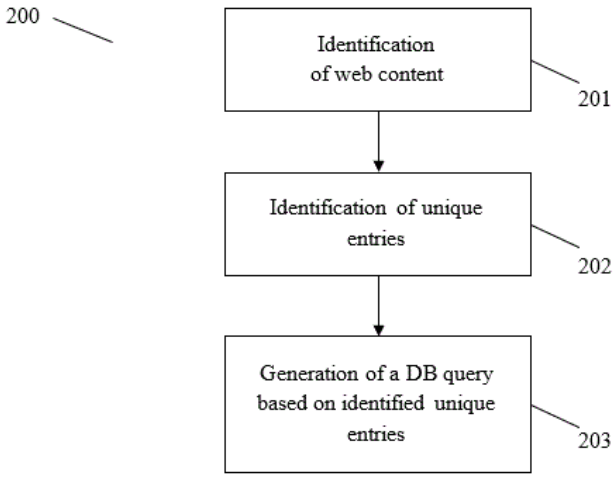
54: MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS

00: -

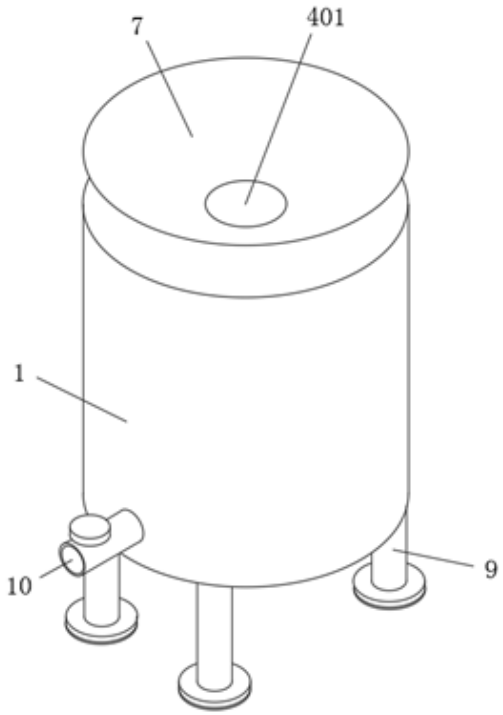
The proposed solution relates to computer technology, particularly to methods for automatic database query generation based on web content analysis. The problem to be solved by the claimed invention is automatic generation of an accurate database query for comparing items presented on an external resource 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: 2025/05207. 22: 2025/06/19. 43: 2026/02/12
51: G06F
71: EAZYPATENT LIMITED LIABILITY COMPANY
72: KRAVCHENKO Artem Aleksandrovich, CHERNYAEV Maksim Andreevich
33: RU 31: 2025110707 32: 2025-04-24
54: METHOD 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: 2025/05209. 22: 2025/06/19. 43: 2026/02/12
51: A61J
71: SHIHEZI UNIVERSITY
72: ZHANG, Ying, LIAN, Kexun, ZHAO, Jing, LI, Yanfang
54: VETERINARY DRUG CRUSHING AND PROPORTIONING DEVICE
00: -
The invention discloses a veterinary drug crushing and proportioning device, relating to veterinary pharmaceutical processing. It comprises a box body with a transmission rod slidably mounted via a bearing at the base. A drive component at the bottom powers the rotation of the transmission rod. Inside the box, a crushing component is positioned at the top, a grinding component below it, and a stirring component at the bottom. The device enables efficient drug preparation by first crushing the veterinary drug into smaller particles, then grinding it into a fine powder, and finally mixing it with other substances or liquids. This multi-stage process improves the precision and uniformity of drug proportioning for veterinary applications. By integrating crushing, grinding, and stirring in a single unit, the device enhances the quality and consistency of veterinary drug formulations, simplifies preparation, and supports efficient on-site dosing or batch production.

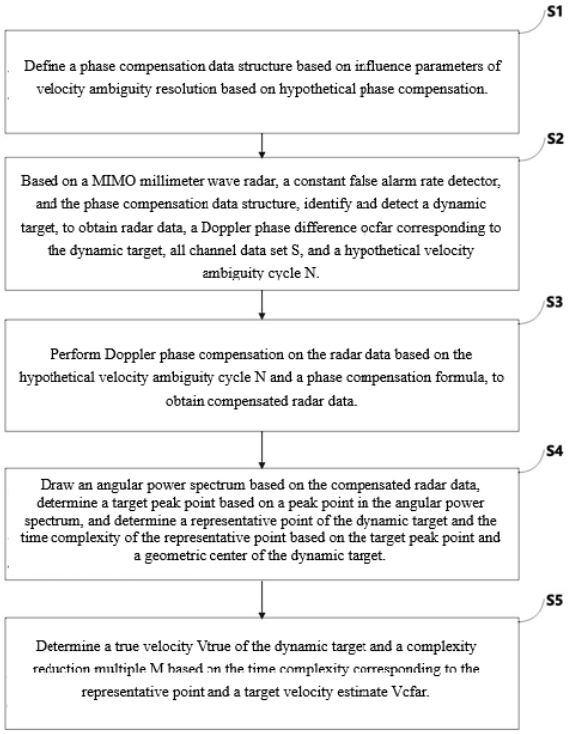


21: 2025/05245. 22: 2025/06/19. 43: 2026/02/12
51: G01S
71: TECH TRAFFIC ENGINEERING GROUP CO., LTD., XI'AN UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY
72: GUO, Xiaowei, PENG, Min, TAN, Xiaogang, ZHANG, Wei, ZHAO, Jing, ZHANG, Zhihong, YAN, Zihang, WEN, Ruyue
33: CN 31: 202411709434.9 32: 2024-11-27

54: VELOCITY AMBIGUITY RESOLUTION METHOD BASED ON HYPOTHETICAL PHASE COMPENSATION

00: -

The present invention discloses a velocity ambiguity resolution method based on hypothetical phase compensation. The method includes: identifying and detecting a dynamic target, to obtain radar data, a Doppler phase difference f_cfar corresponding to the dynamic target, all channel data set S, and a hypothetical velocity ambiguity cycle N; performing Doppler phase compensation on the radar data based on the hypothetical velocity ambiguity cycle N and a phase compensation formula, to obtain compensated radar data; drawing an angular power spectrum based on the compensated radar data, determining a target peak point based on a peak point in the angular power spectrum, and determining a representative point of the dynamic target and the time complexity of the representative point based on the target peak point and a geometric center of the dynamic target; and determining a true velocity Vtrue of the dynamic target based on the time complexity corresponding to the representative point and a target velocity estimate Vcfar. According to the method provided in this application, the accuracy and the calculation performance of the velocity estimation are improved.



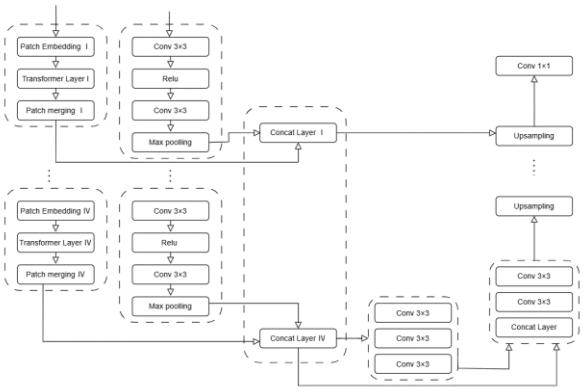
21: 2025/05251. 22: 2025/06/20. 43: 2026/02/12
51: G01N
71: Shandong Business Institute, INSTITUTE OF NETWORK TECHNOLOGY (YANTAI)
72: Sun Yulin, Gao Xiaoyan, Wang Xiaohui, Zhang Wenli, Wang Bo, Wang Haiyang, Lin Liyao, Chu Jie, Dong Yifan, Zhou Qirong

54: GRAIN CLASSIFICATION AND RECOGNITION METHOD AND SYSTEM BASED ON IMAGE ANALYSIS

00: -

The present invention discloses a method and system for grain classification and recognition based on image analysis, comprising: obtaining grain image data at different resolutions, constructing a grain image dataset;Using clarity calculation methods to calculate image clarity, if the image

clarity is below a preset threshold, the image is input into a preset resolution improvement model for image resolution reconstruction, and the seed image dataset is updated based on the reconstructed resolution image;Construct a grain classification model by combining Transformer and Unet, and input the updated grain image dataset into the grain classification model for training;Collect grain images, update the images, and input the updated images into the grain classification model for classification.The present invention can effectively improve the accuracy and robustness of the grain classification model.

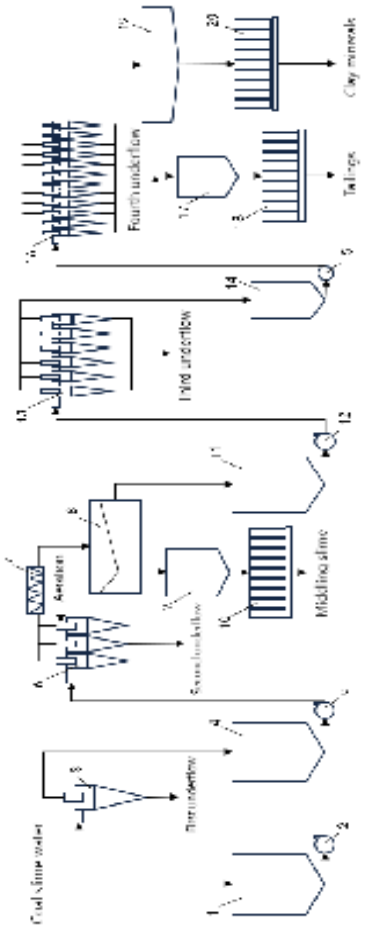


21: 2025/05258. 22: 2025/06/20. 43: 2026/02/12
51: B03B; B03D; B04C
71: TAIYUAN UNIVERSITY OF TECHNOLOGY
72: Hongli, YANG, Minqiang, FAN, Zhihong, LI, Lianping, DONG
33: CN 31: 2024117689994 32: 2024-12-04

54: SYSTEM FOR ENRICHING CLAY MINERALS FROM COAL SLIME AND OPERATION METHOD THEREOF

00: -

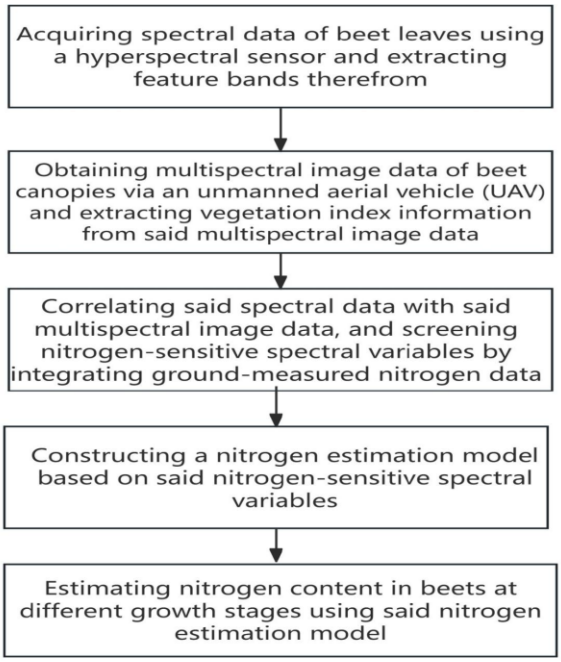
The present invention belongs to the technical field of solid waste treatment, and provides a system for enriching clay minerals from coal slime and an operation method thereof, which solves settling of difficult-to-sink coal slime water and hard-to-dispose coal slime. The system includes the following devices: a first-stage cyclone 3, a second-stage classification system, a third-stage classification system, a parallel cyclone group 16, a tailing filter press 18, a clay thickener 19, and a clay filter press 20; wherein the second-stage classification system includes a second-stage cyclonic classification aerator 6, a pipeline mixer 7, a flotation machine 8, a middling slime filter press 10 and a second-stage cyclone 23; and the third-stage classification system includes a parallel cyclone group 13 and a series cyclone group 21. According to the present invention, the first overflow obtained from the first-stage cyclone 3 is subsequently processed to obtain middling slime; finally, the final product is collected, and the overflow is fed into a clay filter press through a clay thickener to obtain clay minerals.



21: 2025/05259. 22: 2025/06/20. 43: 2026/02/12
51: G01J
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, INSTITUTE OF QUALITY SAFETY AND TESTING FOR AGRICULTURE & ANIMAL HUSBANDRY OF INNER MONGOLIA
72: BAO, Junwei, WANG, Baolin, WULAN, Tuya, LIU, Wen, YANG, Chao, WU, Shengnan, JI, Shiyu, REN, Tingting, LI, Tiansong, GUO, Jia, LIU, Yangyang, YU, Weizhuo, CHE, Youwei

54: METHOD FOR ESTIMATING NITROGEN IN BEET LEAVES BASED ON HYPERSPECTRAL DATATECHNICAL FIELD

00: -
The present disclosure discloses a method for estimating nitrogen in beet leaves based on hyperspectral, relating to the technical field of agricultural detection. The method includes: collecting spectral data of a beet leaf by using a high spectrometer, and extracting a characteristic band; obtaining multispectral image data of the beet canopy through an unmanned aerial vehicle (UAV), and extracting vegetation index information from the multispectral image data; correlating the spectral data with the multispectral image data, and the nitrogen-sensitive spectral variables are screened by associating the spectral data with the multispectral image data in combination with field-measured nitrogen data; constructing a nitrogen estimation model based on the nitrogen-sensitive spectral variable; and estimating nitrogen content in soybeans during different growth cycles using the nitrogen estimation model. The present disclosure integrates microscopic spectral data with macroscopic spatial information, while enabling real-time, cost-effective, and precise nitrogen content measurement, thereby meeting precision management requirements for soybean cultivation in modern intelligent agriculture.

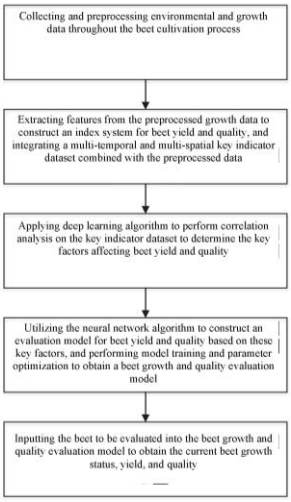


21: 2025/05260. 22: 2025/06/20. 43: 2026/02/12

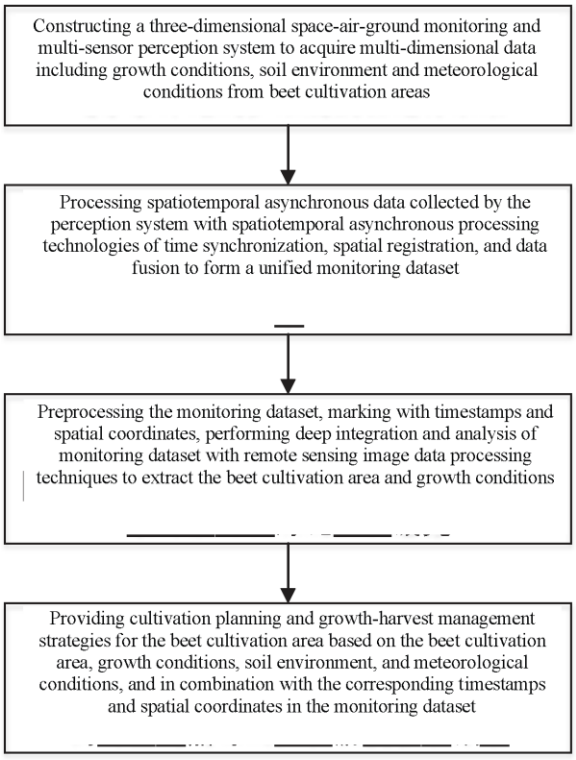
51: G06N
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, INSTITUTE OF QUALITY SAFETY AND TESTING FOR AGRICULTURE & ANIMAL HUSBANDRY OF INNER MONGOLIA
72: REN, Tingting, LI, Tiansong, WANG, Baolin, BAO, Junwei, WULAN, Tuya, LIU, Wen, ZHANG, Handa

54: A METHOD FOR BEET GROWTH MONITORING AND YIELD-QUALITY EVALUATION BASED ON MULTI-SOURCE DATA FUSION AND DEEP LEARNING

00: -
The present invention discloses a method for beet growth monitoring and yield-quality evaluation based on multi-source data fusion and deep learning, and relates to the field of agricultural information technology. Collecting and preprocessing environmental and growth data throughout the beet cultivation process; extracting features from the preprocessed growth data to construct an index system for beet yield and quality, and integrating a multi-temporal and multi-spatial key indicator dataset combined with the preprocessed data; applying deep learning algorithm to perform correlation analysis on the key indicator dataset to determine the key factors affecting beet yield and quality; utilizing the neural network algorithm to construct an evaluation model for beet yield and quality based on these key factors, and performing model training and parameter optimization to obtain a beet growth and quality evaluation model; inputting the beet to be evaluated into the beet growth and quality evaluation model to obtain the current beet growth status, yield, and quality. The present invention provides growers with timely information to support cultivation strategy adjustments.

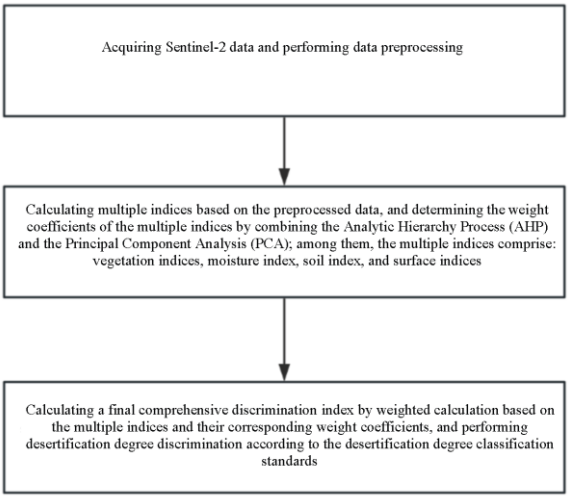


21: 2025/05261. 22: 2025/06/20. 43: 2026/02/12
51: H04B
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, INSTITUTE OF QUALITY SAFETY AND TESTING FOR AGRICULTURE & ANIMAL HUSBANDRY OF INNER MONGOLIA
72: LI, Tiansong, REN, Tingting, WANG, Baolin, BAO, Junwei, LIU, Wen, WU, Shengnan, YANG, Chao, JI, Shiyu
54: AN INTELLIGENT DECISION-MAKING METHOD FOR SMART BEET CULTIVATION BASED ON THE SPACE-AIR-GROUND INTEGRATED NETWORK
00: -
The present invention discloses an intelligent decision-making method for smart beet cultivation based on the space-air-ground integrated network, and relates to the field of agricultural information technology. Constructing a three-dimensional space-air-ground monitoring and multi-sensor perception system to acquire multi-dimensional data from beet cultivation areas; processing spatiotemporal asynchronous data collected by the perception system with spatiotemporal asynchronous processing technologies of time synchronization, spatial registration, and data fusion to form a unified monitoring dataset; preprocessing the monitoring dataset, marking with timestamps and spatial coordinates, performing deep integration and analysis of monitoring dataset with remote sensing image data processing techniques to extract the beet cultivation area and growth conditions; providing cultivation planning and growth-harvest management strategies for the beet cultivation area based on the beet cultivation area, growth conditions, soil environment, and meteorological conditions, and in combination with the corresponding timestamps and spatial coordinates in the monitoring dataset. This method enables comprehensive monitoring of beet cultivation areas and improves the accuracy and reliability of monitoring.



21: 2025/05262. 22: 2025/06/20. 43: 2026/02/12
51: G01F; G01K
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, INSTITUTE OF QUALITY SAFETY AND TESTING FOR AGRICULTURE & ANIMAL HUSBANDRY OF INNER MONGOLIA
72: YANG, Chao, WANG, Baolin, WU, Shengnan, BAO, Junwei, JI, Shiyu, WULAN, Tuya, LI, Tiansong
54: A DESERTIFICATION DEGREE DISCRIMINATION METHOD BASED ON REMOTE SENSING
00: -
The present invention discloses a desertification degree discrimination method based on remote sensing, applicable to the technical field of desertification degree discrimination. The method

comprises: acquiring Sentinel-2 data and performing data preprocessing; calculating multiple indices based on the preprocessed data, and determining the weight coefficients of the multiple indices by combining the Analytic Hierarchy Process (AHP) and the Principal Component Analysis (PCA); among them, the multiple indices comprise: vegetation indices, moisture index, soil index, and surface indices; calculating a final comprehensive discrimination index by weighted calculation based on the multiple indices and their corresponding weight coefficients, and performing desertification degree discrimination according to the desertification degree classification standards. The present invention effectively improves the accuracy of desertification degree discrimination.



21: 2025/05329. 22: 2025/06/23. 43: 2026/02/13
51: C12M
71: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
72: MEAD, Oliver Lachlan
33: AU 31: 2022903607 32: 2022-11-28
54: MOLECULE PRODUCTION SYSTEM AND METHOD
00: -
A biomass reactor comprising an enclosed fluid network including plural receptacles is disclosed. In an embodiment, each receptacle is for containing a volume of a liquid medium for growing a microbial biomass in or on the liquid medium. The plural receptacles are arranged in fluid communication to allow for a recirculating flow of the liquid medium to cascade through the plural receptacles. A method for producing a molecular product using the disclosed biomass reactor and a product formed by operating the biomass reactor is also disclosed.

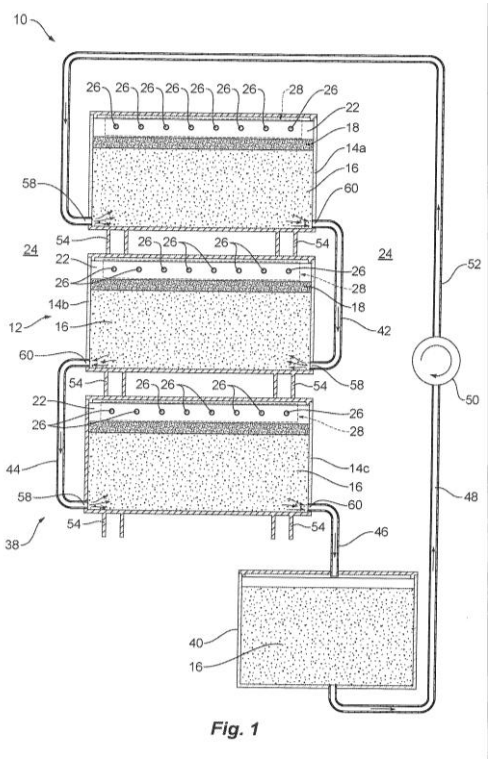
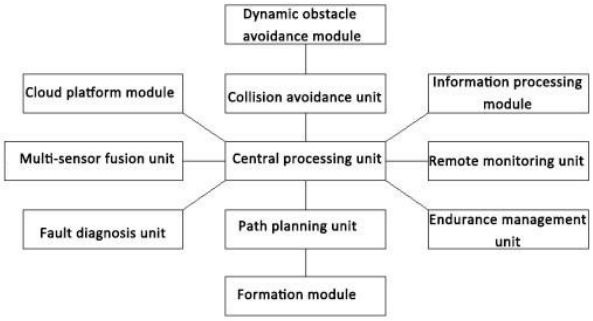


Fig. 1

21: 2025/05365. 22: 2025/06/24. 43: 2026/02/13
51: G06T; G06N
71: FUXING (ZHEJIANG) DIGITAL TECHNOLOGY CO., LTD
72: LI, Kai, ZHAN, Kui, SHEN, Fenglei, XIAO, Huajie, GUO, Donghui, ZHOU, Ying, SU, Yuping, XIAO, Kelin, SONG, Zhenfeng, MA, Xihe, LI, Zeang, GE, Liuqiang, WANG, Yedong, GanYu, ZHANG, Haochen
54: UNMANNED AERIAL VEHICLE INSPECTION SYSTEM
00: -
The present invention relates to an unmanned aerial vehicle (UAV) inspection system in the field of UAV inspection technology. The system includes a central processing unit, a multi-sensor fusion unit, and a path planning unit. The multi-sensor fusion unit collects diverse data and applies deep learning algorithms to determine equipment health and environmental changes in real time. The path planning unit generates optimal inspection routes based on mission requirements and applies reinforcement learning to dynamically optimize paths

during cooperative UAV operations, balancing workloads to avoid redundant inspections. The system enables intelligent task scheduling, allowing UAVs to autonomously choose efficient paths, minimizing flight time and energy consumption. Equipped with multiple sensors, the UAVs collect comprehensive inspection data. By integrating sensor fusion technology, the system enhances the accuracy and reliability of inspection results. This invention improves the efficiency, scalability, and precision of UAV-based inspection operations across complex environments and infrastructures

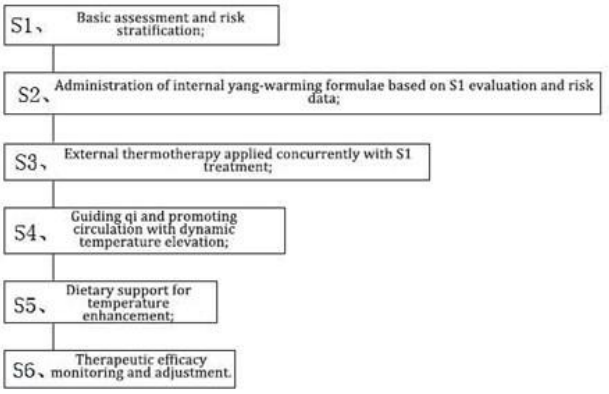


21: 2025/05366. 22: 2025/06/24. 43: 2026/02/13
51: A01K; A01N
71: LIU, Xianhua
72: LIU, Xianhua

54: METHOD FOR ENHANCING THERAPEUTIC EFFICACY THROUGH ELEVATING HUMAN BODY TEMPERATURE GUIDANCE IN TRADITIONAL CHINESE MEDICINE ONCOLOGY

00: -

The present invention belongs to the field of temperature guided anti-cancer technology, specifically a method for enhancing therapeutic efficacy through elevating human body temperature guidance in Traditional Chinese Medicine Oncology, comprising S1 basic assessment and risk stratification, S2 administration of internal yang-warming formulae based on S1 evaluation and risk data, S3 external thermotherapy applied concurrently with S1 treatment, S4 guiding qi and promoting circulation with dynamic temperature elevation, S5 dietary support for temperature enhancement, S6 therapeutic efficacy monitoring and adjustment; By detecting low temperatures on the body surface, the risk of cancer can be detected in advance, and high temperatures above 42 ℃ can selectively kill cancer cells, inhibit tumor angiogenesis, improve cancerous constitution, increase body temperature by 1 ℃, enhance immunity by 30%, and reverse the cold and stasis environment



21: 2025/05706. 22: 2025/07/04. 43: 2026/01/21
51: B01J; C01B
71: University of the Western Cape
72: Prof. Sivakumar PASUPATHI, Simone KARELS, Franschke SOUDENS, Prof. Vladimir Mikhailovich LINKOV
33: ZA 31: 2024/05472 32: 2024-07-15

54: CARBIDE SUPPORTED CATALYSTS

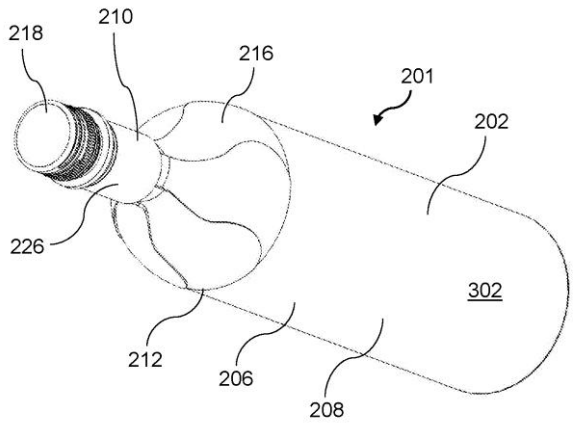
00: -

The invention discloses a carbide supported catalyst for proton exchange membrane water electrolysis (PEMWE) applications, which has supported nanoparticles as OER catalysts for PEMWE. The nanoparticles may be based on IrO2. The supported nanoparticles may be carbide-based nanoparticles. The nanoparticles may be any oxides. The nanoparticles may be IrO2, RuO2, AgO2 and/or similar. The catalyst may be modified to be employed as an anode catalyst for PEMWE, may be produced using the modified Adams fusion method, may be stable up to 1.7 V vs standard hydrogen electrode for oxygen evolution reaction, may be adapted to have better mass-specific activity than an unsupported catalyst, may consists of highly homogeneously distributed nanoparticles on the carbide support, and may consist of highly dispersed IrO2 nanoparticles over the carbide support.

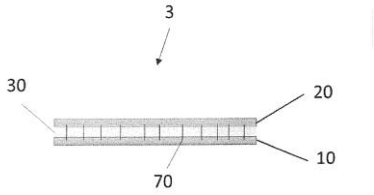
21: 2025/05707. 22: 2025/07/04. 43: 2026/01/21
51: C10G
71: University of the Western Cape
72: Prof. Sivakumar PASUPATHI, Franschke SOUDENS, Simone KARELS, Prof Vladimir Mikhailovich LINKOV
33: ZA 31: 2024/06026 32: 2024-08-06

54: BINARY METAL OXIDE CATALYSTS
00: -
The invention discloses a binary metal oxide catalyst for PEMWE applications, which includes binary metal oxide catalyst nanoparticles based on Iridium and Rhodium as oxygen evolution reaction catalyst. The catalyst may be modified to be employed as an anode catalyst for PEM electrolysers. The binary metal oxide may consist of iridium and rhodium nanoparticles. The catalyst may be produced using a modified Adams fusion method. The catalyst may be stable up to 1.9 V vs reversible hydrogen electrode for oxygen evolution reaction. The catalyst may have improved mass-specific activity than a commercial catalyst. The catalyst may include modifying the composition of iridium and rhodium to enhance the catalyst activity and stability. The binary metal oxide catalyst nanoparticles may consist of at least one of the elements Ir, Rh, Pd, Au, Os, Ru, Pt and Ag. The catalyst may consist of highly homogeneously distributed nanoparticles consisting of Ir and Rh.

21: 2025/05821. 22: 2025/07/08. 43: 2026/01/30
51: B31B; B65D
71: FRUGALPAC LIMITED
72: GROGAN, John-Paul, COSTA, Inês
33: GB 31: 2219727.1 32: 2022-12-23
54: BOTTLE
00: -
A bottle has a shell comprising a flat sheet of paperboard material that has been pressed to form the three-dimensional shape of the bottle and an inner vessel for holding a liquid, the inner vessel being supported by and surrounded by the shell. The shell provides a tubular side wall of the bottle including a main body portion and a neck portion, the neck portion having a smaller diameter than the main body portion, and the neck portion comprising at least four sequentially overlapping panels of the paperboard material, at least a first side edge of all of said neck panels having an identical perimeter shape.

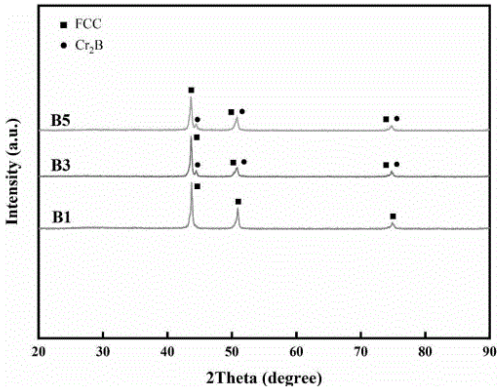


21: 2025/05937. 22: 2025/07/11. 43: 2026/01/30
51: A24B; A61K
71: CONTRAF-NICOTEX-TOBACCO GMBH
72: ELLERICHMANN, Thomas, BELZ, Markus, KÖNIG, Thorsten
33: EP 31: 23154874.4 32: 2023-02-03
54: ORAL PRODUCT FOR DELIVERY OF AN ACTIVE INGREDIENT
00: -
The invention relates to an oral product for delivery of an active ingredient comprising or consisting of at least one layer and a composition comprising a hydrogel forming component and the active ingredient. The oral product is capable of releasing the active ingredient without the need of chewing the oral product.



21: 2025/06596. 22: 2025/08/06. 43: 2026/02/06
51: C22C
71: CENTRAL SOUTH UNIVERSITY OF FORESTRY AND TECHNOLOGY, AGRICULTURAL EQUIPMENT INSTITUTE OF HUNAN
72: LIU, Xiubo, YANG, Chaomin, MENG, Yuan, LIU, Zhiyuan, LI, Xingong, LI, Ming, LI, Mingxi
33: CN 31: 202410610925.1 32: 2024-05-16
54: CARBON STEEL COMPOSITE MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -

The present application belongs to the technical field of carbon steel processing, and particularly relates to a carbon steel composite material, and a preparation method therefor and the use thereof. Provided in the present application is the carbon steel composite material, which material comprises a carbon steel matrix and a high-entropy alloy coating located on the surface of the carbon steel matrix, wherein the high-entropy alloy coating comprises the following components: iron, cobalt, chromium, nickel, copper and boron. The carbon steel composite material provided in the present application has relatively high antifriction and wear-resistant effects at both room temperature and high temperatures. The carbon steel composite material provided in the present application has the high-entropy alloy coating, and the high-entropy alloy tends to form a simple solid solution instead of an intermetallic compound among alloy elements under the influence of a relatively high structural entropy thereof, such that the carbon steel composite material has good mechanical properties and tribological properties.

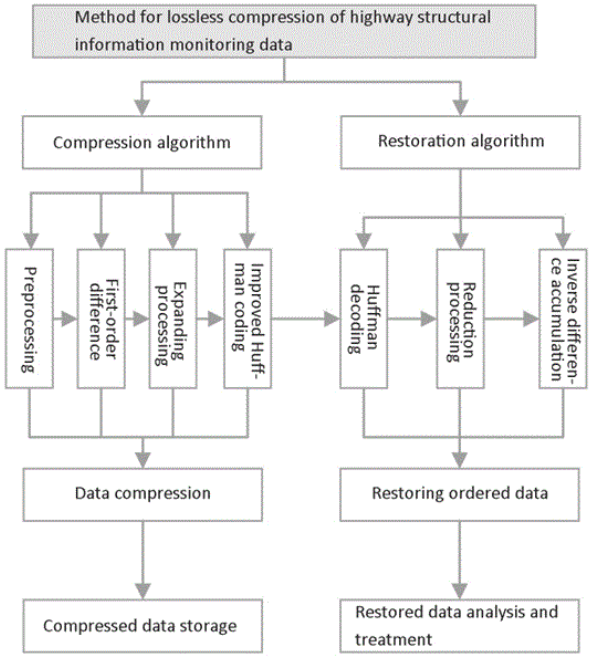


21: 2025/06993. 22: 2025/08/21. 43: 2026/01/23
51: G01C
71: Harbin Institute of Technology
72: QI, Zhixin, FEI, Yushuai, DONG, Zejiao, Abaho G Gershome
33: CN 31: 2024118519844 32: 2024-12-16

54: METHOD AND DEVICE FOR LOSSLESS COMPRESSION OF HIGHWAY STRUCTURAL INFORMATION MONITORING DATA

00: -

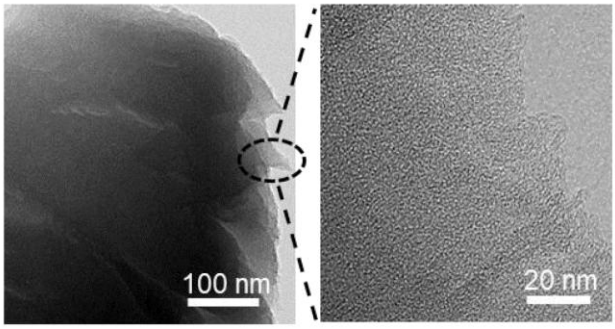
The present invention relates to a lossless compression method for highway structure information monitoring data, which solves the problem of difficult transmission and storage of high-frequency, massive highway structure information monitoring data collected, and belongs to the field of road engineering. The present invention comprises the following steps: intercepting the collected original highway structure information monitoring data, storing the intercepted monitoring data and start and end timestamps in a file f; performing a first-order difference on the monitoring data in file f to obtain f1; expanding the monitoring data after the first-order difference, removing zeros and decimal points in the monitoring data, and obtaining a file f2; performing Huffman coding on the monitoring data in f2, wherein each monitoring data is treated as a single value in the Huffman coding process, and each single value is encoded according to the frequency of occurrence of the single value to obtain a binary file f3, thereby completing the compression. When the monitoring data needs to be restored, based on the characteristic that the encoding algorithm is a symmetric algorithm, the binary file f3 is subjected to an inverse process to obtain a decoded file f4, thereby completing the data restoration.



21: 2025/08124. 22: 2025/09/23. 43: 2025/12/10
51: A61K
71: BEIJING INNO MEDICINE CO., LTD.
72: MA, QIAN, CHEN, XIAOMING, DENG, TUO, WANG, HUIJING
33: CN 31: PCT/CN2021/116681 32: 2021-09-06

54: ATHEROSCLEROSIS-TARGETED LIPOSOME NANOCARRIER DELIVERY SYSTEM AND PREPARATION METHOD THEREFOR
00: -
The present disclosure provides an actively encapsulated liposome nanocarrier delivery system. The liposome nanocarrier delivery system comprises a liposome carrier and substances actively encapsulated thereby for use in preventing and/or treating atherosclerosis or diseases related to atherosclerosis. The preparation of the nanocarrier delivery system comprises the step of adding a saline solution that causes an acidity gradient of a liposome solution inside and outside of a body so as to hydrate the substances actively encapsulated by the liposome carrier for use in preventing and/or treating atherosclerosis or diseases related to atherosclerosis. Further provided are a preparation method for the liposome nanocarrier delivery system and an application thereof.

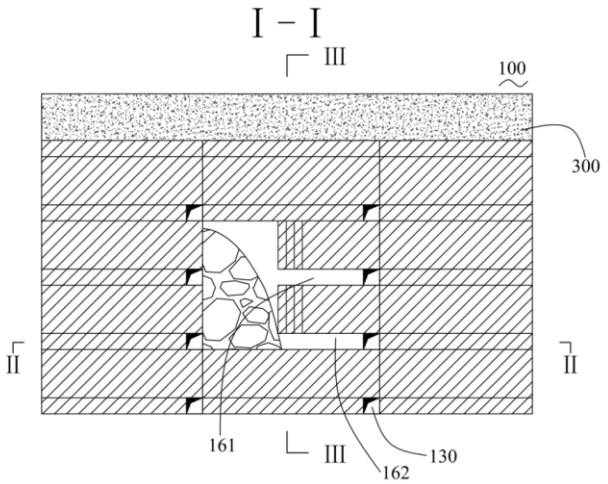
21: 2025/08201. 22: 2025/09/26. 43: 2026/01/28
51: H01M
71: Nankai University
72: WANG, Huan, WANG, Wei
33: CN 31: 2024113985611 32: 2024-10-09
54: WIDE-TEMPERATURE-RANGE LITHIUM/FLUORINATED CARBON BATTERY, CATHODE MATERIAL, AND ELECTROLYTE
00: -
Disclosed in the present invention are a wide-temperature-range lithium/fluorinated carbon battery, a cathode material, and an electrolyte. The battery includes a cathode, an anode, a separator and an electrolyte. The cathode includes a fluorinated carbon cathode material that is prepared as follows: placing fluorinated carbon in a plasma-enhanced chemical vapor deposition furnace, maintaining same at vacuum, and introducing a carbon-source gas into the plasma-enhanced chemical vapor deposition furnace, with the radio-frequency power controlled at 100-200 W and the heat-treatment temperature at 550-600 degrees Celsius for heat treatment of 10-20 min to obtain the fluorinated carbon cathode material. The electrolyte is formed by lithium tetrafluoroborate, methyl acetate, and dimethyl sulfite, a volume ratio of the methyl acetate to the dimethyl sulfite is 1:1, and a concentration of the lithium tetrafluoroborate is 1 mol/L. The battery of the present invention can operate stably within the range of -100 degrees Celsius to 100 degrees Celsius.



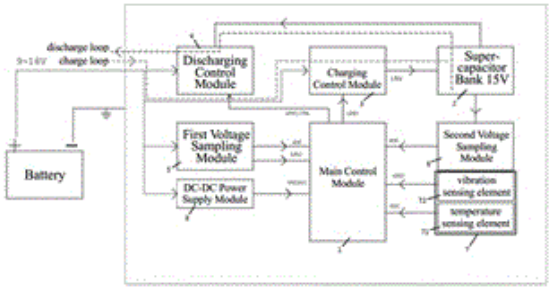
21: 2025/08806. 22: 2025/10/20. 43: 2025/12/02
51: A61K
71: Novo Nordisk A/S
72: PEDERSEN, Betty Lomstein, NISSEN, Birgitte
33: EP(DK) 31: 18154913.0 32: 2018-02-02
54: SOLID COMPOSITIONS COMPRISING A GLP-1 AGONIST, A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIC ACID AND A LUBRICANT
00: -
The invention relates to pharmaceutical compositions comprising a peptide, such a GLP-1 peptide and a salt of N-(8-(2-hydroxybenzoyl)amino)caprylic acid. The invention further relates to processes for the preparation of such compositions, and their use in medicine.

21: 2025/09728. 22: 2025/11/14. 43: 2025/12/09
51: E21C; E21D; E21F
71: CHANGSHA INSTITUTE OF MINING RESEARCH CO., LTD
72: PENG, Yuejin, YANG, Ning, TANG, Mingdong, LIU, Qi, QIAN, Jing, ZHONG, Zhouying, LI, Xiaohui, LIN, Yuansheng, YAN, Lide, REN, Qinglin
33: CN 31: 202510366646.X 32: 2025-03-26
54: STAGGERED MINING METHOD UNDER PRE-SUPPORT CONDITIONS AND ITS APPLICATION
00: -
The present application provides a staggered mining method under pre-support conditions and its application, belonging to the field of mining methods. This staggered mining method first performs directional pre-support and high-strength grouting on the caved rock through along-strike drifts, causing the caved rock to form a cemented composite body, thereby granting it a certain self-stabilizing capacity and creating a safe environment for mining the ore body adjacent to the caved rock. Simultaneously, by

dividing the level within the ore body into an upper stoping unit and a lower stoping unit, and defining their stoping sequence along with mining and filling using diamond-shaped stopes, a stable inverted triangle-like structure is first formed. This provides an inclined support for the hanging wall caved rock, enhancing the safety of mining the lower stoping unit. Compared to the mining method in the prior art that requires leaving protective pillars, the mining method of the present application has a high ore recovery rate and does not cause loss of ore resources, solving the problems of difficult stoping, poor safety, and low recovery rate for ore bodies adjacent to caved rock in existing mines.



21: 2025/09996. 22: 2025/11/24. 43: 2025/12/10
51: H02J; B60R
71: SHENZHEN LEAGEND OPTOELECTRONICS CO., LTD.
72: QIN, SHUGANG, ZOU, JUNHUA
33: CN 31: 202411687198.5 32: 2024-11-25
54: SUPERCAPACITOR CONTROL CIRCUIT AND METHOD FOR INTELLIGENTLY IDENTIFYING STARTING MODE OF VEHICLE
00: -
The present application relates to a supercapacitor control circuit and method for intelligently identifying a starting mode of a vehicle, the control circuit includes a main control module, a supercapacitor bank, a charging control module, a discharging control module, a first voltage sampling module, a second voltage sampling module and an environmental information acquisition module, a power supply output terminal of the charging control module is connected to a power supply input terminal of the supercapacitor bank, a power supply output terminal of the supercapacitor bank is connected to a power supply input terminal of the discharging control module, a power supply output terminal of the discharging control module is connected in parallel to the power supply output terminal of the battery, and a signal output terminal of the environmental information acquisition module is connected to a third sampled signal input terminal of the main control module. Accurate charging and discharging management of the supercapacitors is realized through the cooperative effect of the dynamic signal control of the main control module and various sampling modules. The output current of the supercapacitor bank is adjusted, so as to effectively satisfy different environment and operation condition requirements, which improves the adaptability of the system under extreme conditions such as low temperature or frequent starting and stopping, and thus enhancing the intelligent adjusting capability.

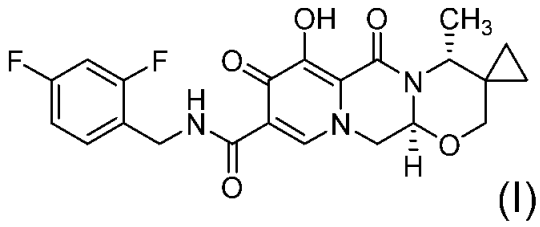


21: 2025/10190. 22: 2025/11/27. 43: 2025/12/04
51: G06Q
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: LI, HE
33: CN 31: 2025105415413 32: 2025-04-27
54: SAFETY MANAGEMENT SYSTEM FOR HIGHLY DANGEROUS PROJECTS
00: -
The present invention discloses a safety management system for highly dangerous projects. Multi-dimensional data acquisition is realized by arranging a vibration sensor at a construction area boundary, installing a tilt sensor on a support structure, setting a static level corresponding to settlement monitoring points, embedding an earth pressure box on a foundation pit. An edge calculation unit built in an area controller adopts a finite element analysis model taking a material

parameter of support structure as input, calculates a theoretical value combined with monitoring data. When a deviation between monitoring data and theoretical value exceeds a first threshold, a historical average value is automatically fused for iterative calculation, if deviation exceeds a second threshold after three consecutive iterations, a first-level early warning is triggered. The system evaluates a safety state of the support structure, prevents a collapse accident, and is suitable for the safety management for the highly dangerous projects.



21: 2025/10255. 22: 2025/11/28. 43: 2025/12/04
51: A61K; C07D; A61P
71: JIANGSU AIDEA PHARMACEUTICAL GROUP CO., LTD., YANGZHOU AIDEA PHARMACEUTICAL TECHNOLOGY CO., LTD., NANJING AIDEA PHARMACEUTICAL TECHNOLOGY CO., LTD.
72: TIAN, Zongyong, HU, Tianjin, WEI, Yufeng, ZHANG, Li, YUN, Xinming, TANG, Tingting, QI, Hong, FU, Heliang
33: CN 31: 202310727199.7 32: 2023-06-19
54: CRYSTAL FORMS OF SODIUM SALT OF POLYCYCLIC CARBAMOYLPYRIDONE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
Provided in the present invention are crystal forms of the sodium salt of an HIV-1 integrase inhibitor molecule. Specifically, provided in the invention are crystal form A and crystal form B of the sodium salt of a compound as shown in formula I. The crystal forms of the present invention can be used for preventing and/or treating diseases related to HIV infections and selectively inhibiting the activity of HIV integrase.

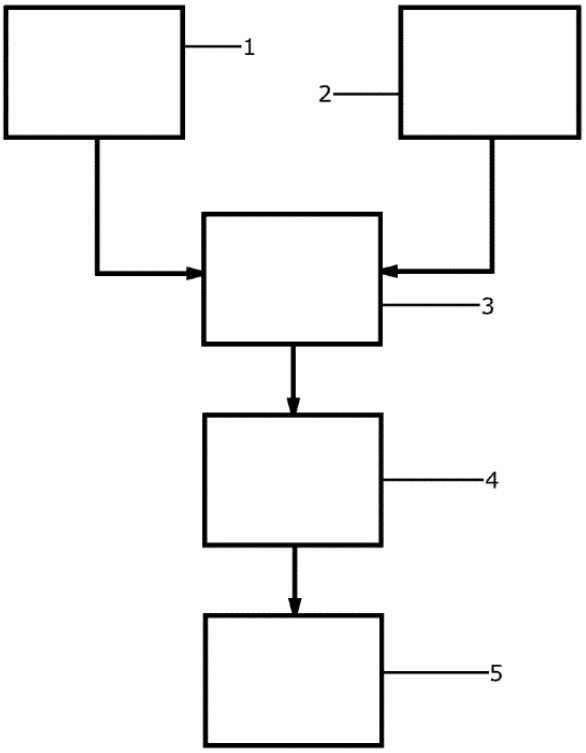


(I)

21: 2025/10611. 22: 2025/12/09. 43: 2026/01/22
51: C12Q
71: China Agricultural University
72: DING, Xiangdong, LIU, Huatao, DOU, Hehe, ZHANG, Zipeng, ZHANG, Qin, WANG, Chuduan
33: CN 31: 2023105528516 32: 2023-05-17
54: MULTIPLE SINGLE NUCLEOTIDE POLYMORPHISM-BASED PORCINE 50K LIQUID CHIP, AND USE THEREOF
00: -
A multiple single nucleotide polymorphism (mSNP)-based porcine 50K liquid chip, and a use thereof. The design of a probe of the chip takes the problems such as the distribution of captured SNP loci in whole genomes, locus polymorphism, and the quality of mSNP markers into account, effectively avoiding the problems of non-uniform marker density and poor polymorphism. The problems of the quality of mSNP markers and linkage disequilibrium between mSNP markers are also taken into account, and on the basis of maintaining the basic principle of liquid chip design, a genome region having medium linkage disequilibrium between markers is selected to generate more SNP markers having high typing quality and medium linkage disequilibrium with target loci in a probe region. The mSNP liquid chip increases the number of detectable SNPs to be 1.5-2 times or more of the number of target loci, solving the problem of a conventional liquid chip having few high-quality mSNP markers, without increasing cost.

21: 2025/10619. 22: 2025/12/09. 43: 2026/01/22
51: C04B
71: Kruner Industries AG
72: Helmut Lerner, Robert Rentz
33: AT 31: A50363/2023 32: 2023-05-10

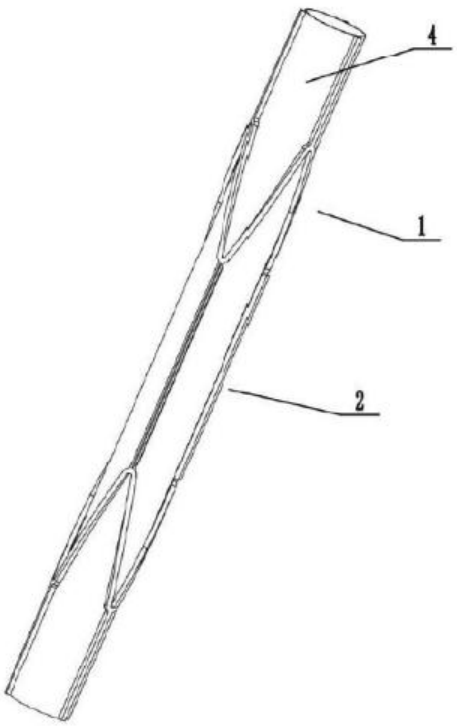
54: COMPOSITION FOR PRODUCING COMPONENTS
00: -
According to the invention, a composition for the production of components is provided, comprising solid components which have at least one base material and meta-clay, as well as an activation solution, the activation solution having more than 5% by mass of alkali metal silicates, the mass of the base material being 200% to 500% of the mass of the meta-clay and the ratio between the mass of the activation solution and the mass of the meta-clay is greater than 1.



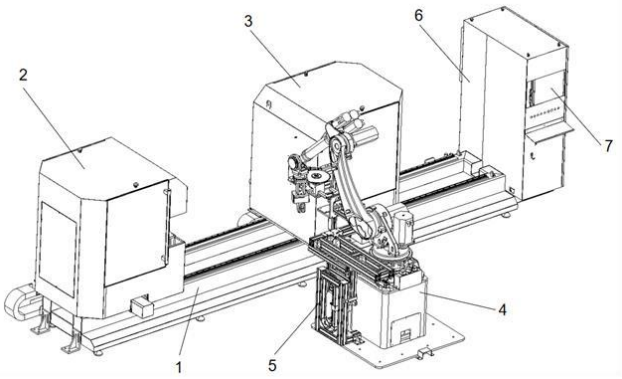
21: 2025/10620. 22: 2025/12/09. 43: 2026/01/22
51: C12Q
71: China Agricultural University
72: DING, Xiangdong, LIU, Huatao, LI, Shujuan, ZHANG, Zipeng, DOU, Hehe, SHAO, Yuru, WANG, Chuduan
33: CN 31: 2023107078788 32: 2023-06-15
54: MULTIPLE SINGLE-NUCLEOTIDE POLYMORPHISM-BASED 10K LIQUID PHASE CHIP FOR PIG, AND USE THEREOF
00: -
A multiple single-nucleotide polymorphism (mSNP)-based 10K liquid phase chip for a pig, and a use thereof. Under the condition that the basic principle of liquid phase chip design is maintained, a new marker is added to an existing chip, and an mSNP technology is used to optimize a probe, so as to generate more SNP markers having high typing quality and medium linkage disequilibrium with a target site SNP in a probe area, thereby increasing the number of effective markers of the chip. According to the mSNP-based liquid phase chip, the number of detectable SNPs can be increased to be 1.5-2 times of the number of target site SNP markers, thereby solving the problem of existing chips only containing the target site SNP and being unable to provide an mSNP marker, without increasing the cost. By means of a genotype imputation technology, the genotype data of the chip is filled into a mainstream 50K chip for genome selection, thereby obtaining molecular seed selection accuracy identical or similar to that of the 50K chip, and reducing the molecular breeding cost of the pig.

21: 2025/10690. 22: 2025/12/11. 43: 2026/01/22
51: A61B; A61M
71: SHENZHEN YEAPRO INDUSTRIAL CO., LTD, SHENZHEN NEW YEAPRO INTERVENTIONAL MEDICAL TECHNOLOGY CO., LTD
72: QIU, Jiantao, ZHONG, Kangli, WANG, Shuhan, DENG, Xinwang, XIANG, Dongdong, LI, Wenlin
33: CN 31: 202411823152.1 32: 2024-12-12
54: CUTTING BALLOON DILATATION CATHETER
00: -
The application disclosed a cutting balloon dilatation catheter including a balloon and a metal grid. The metal grid includes at least two wave-shaped segments, each of which forms a closed loop, and wave-shaped segments are connected by straight segments. The metal grid further includes cutting assemblies embedded in the metal grid and adapted to the shape of the metal grid. A contrast material is sprayed on the metal grid to monitor the working position of the metal grid at any time, or on the metal grid and the cutting assemblies for positioning observation. The metal grid formed by the wave-shaped segments and the straight segments has good rewrappability, so that rewrapping is independent of the deflation of the balloon. The rewrappability improves the crossability. The cutting assemblies and the metal grid can be processed

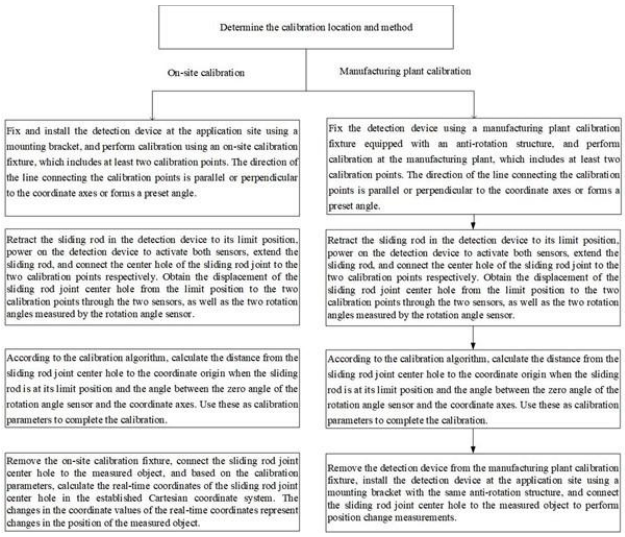
separately, thereby reducing the processing difficulty and increasing the replaceability.



21: 2025/10763. 22: 2025/12/15. 43: 2026/01/22
51: B23C
71: SHANDONG LEAD CNC MACHINERY CO., LTD
72: YAO, Huanling, ZHANG, Shun, FU, Tiansheng, SUN, Chengjun
33: CN 31: 2025102100411 32: 2025-02-25
54: INTELLIGENT DOUBLE-HEAD FACE MILLING MACHINE
00: -
An intelligent double-head face milling includes: a frame, a left milling device, a right milling device, a material taking mechanism, and a material feeding mechanism; wherein the left milling device and the right milling device are sliding arranged above the frame, an electric control unit equipped with a touch display screen is provided on an end of the frame; the material feeding mechanism comprises a six-axis robot and a first gripper; the material taking mechanism comprises a fixed support, a vertical support, a horizontal support and a second gripper; the fixing support is fixedly mounted on a mounting seat, a vertical guide rail is arranged between the fixing support and the vertical support, a horizontal guide rail is arranged between a top of the vertical support and the horizontal support, and the second gripper is arranged on the horizontal support.



21: 2025/10856. 22: 2025/12/17. 43: 2026/01/22
51: B61L; G01B
71: XI'AN RAILWAY SIGNAL CO., LTD.
72: DING, Zhaorong, LI, Yuan, HUANG, Chentao, DUAN, Han, GAO, Xiaowei, LIU, Yijian
33: WO 31: PCT/CN2024/139896 32: 2024-12-17
33: KH 31: 202411591872X 32: 2024-11-08
54: CALIBRATION METHOD FOR ORTHOGONAL MOTION DETECTION
00: -
The present invention provides a calibration method for an orthogonal motion detection device, comprising on-site and manufacturing plant calibration processes. In on-site calibration, the detection device is mounted using a bracket and calibrated with an on-site calibration fixture. After removal, the center hole of the sliding rod joint is connected to the measured object, and real-time coordinates of the joint’s center hole are computed in a Cartesian coordinate system, enabling detection of positional changes. In manufacturing plant calibration, the device is fixed using a fixture with an anti-rotation structure, calibrated, and later installed on-site for measurement. This method allows separation of the calibration environment from the operational environment, reducing secondary positioning errors during device relocation. The invention enhances accuracy and adaptability in motion detection systems where precise spatial tracking of connected joints is required across different application contexts.

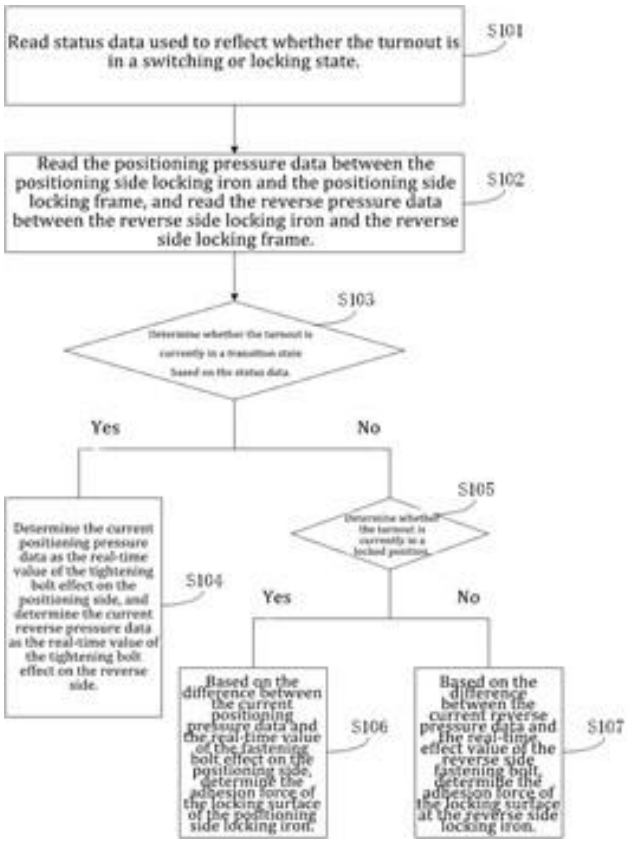


21: 2025/10857. 22: 2025/12/17. 43: 2026/01/22
51: B61L; G01L
71: XI'AN RAILWAY SIGNAL CO., LTD., CRSC (XI'AN) RAIL TRANSIT INDUSTRY GROUP CO., LTD.
72: DING, Zhaorong, SUN, Xiaoyong, HUANG, Chentao, LI, Yuan, HE, Jianfeng, WANG, Zhiming, DUAN, Han
33: WO 31: PCT/CN2024/139969 32: 2024-12-17
33: CN 31: 2024108870868 32: 2024-07-03

54: METHOD, DEVICE, AND EQUIPMENT FOR DETECTING THE ADHESION FORCE OF THE LOCKING SURFACE OF A TURNOUT LOCKING

00: -

The present invention discloses a method, device, and system for detecting the adhesion force of the locking surface in a turnout locking mechanism. The method involves reading the turnout's state (transition or locked) and acquiring pressure data from sensors placed between the locking iron and locking frame. In the transition state, the sensor readings on each side represent the effect value of the tightening bolts. When the turnout enters the locked state, the actual adhesion force of the locking surface is determined by subtracting the effect value from the current pressure data, considering the locking direction (positioning or reverse locking). This technique isolates the true locking surface adhesion force by eliminating interference from bolt-tightening pressure. The invention enables high-precision detection of the locking surface adhesion force, enhancing the accuracy of sealing control parameters and improving turnout safety, performance, and monitoring in railway systems.

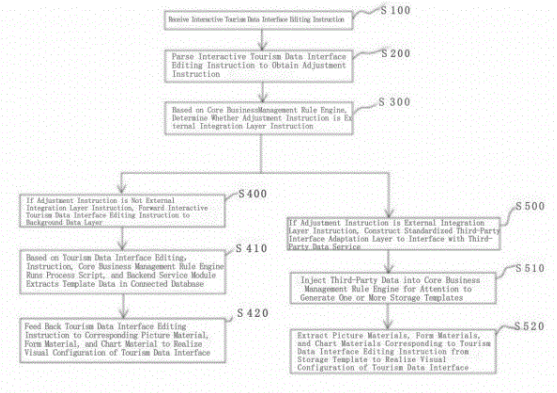


21: 2025/11125. 22: 2025/12/23. 43: 2026/01/22
51: G06F
71: Zhejiang Yunye Technology Co., Ltd.
72: LIN, Weifeng, LI, Feijun, WU, Yeting
33: CN 31: 202511457519.7 32: 2025-10-13

54: METHOD AND SYSTEM FOR BIG DATA VISUAL CONFIGURATION

00: -

The invention discloses a method and system for big data visualization configuration in the field of digital data processing. Business personnel can complete the process from data access to scenario release through a no-code interface, reducing the threshold by more than 80 percent. The demand response time is shortened to 1-2 days, and requirements are quickly implemented through template reuse, improving the real-time performance of decision-making. The system adopts a decoupled design, reducing the modification cost of a single module by more than 60 percent. Adding new charts, adjusting styles or updating interfaces does not require full-scale reconstruction, and maintenance costs grow linearly.

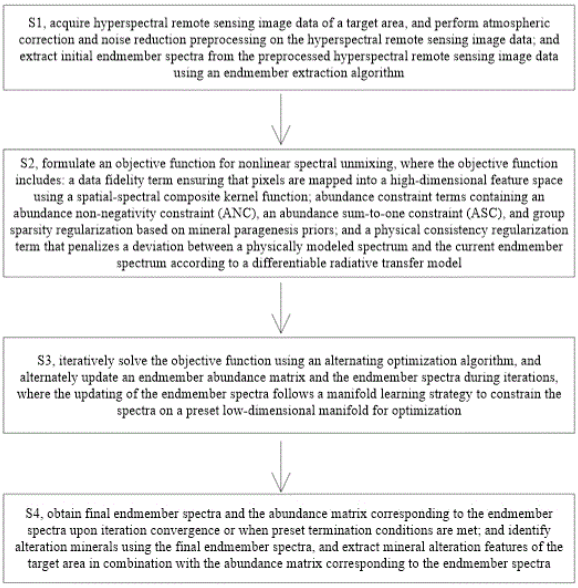


21: 2026/00124. 22: 2026/01/05. 43: 2026/01/28
51: G06F
71: SHANDONG GOLD GROUP CO., LTD.
72: Yaomeng Xiao, Guangjun Guo, Bingyu Chen, Qing Zhang, Hongtao Bi, Hanwen Jia
33: CN 31: 202511220439X 32: 2025-08-29

54: METHOD FOR EXTRACTING MINERAL ALTERATION FEATURES BASED ON HYPERSPECTRAL REMOTE SENSING TECHNOLOGY

00: -

The present invention discloses a method for extracting mineral alteration features based on a hyperspectral remote sensing technology, including: acquiring hyperspectral remote sensing image data of a target area, and performing atmospheric correction and noise reduction preprocessing; extracting initial endmember spectra after the preprocessing; formulating an objective function for nonlinear spectral unmixing, where the objective function includes: a data fidelity term; abundance constraint terms; and a physical consistency regularization term that penalizes a deviation between a physically modeled spectrum and the current endmember spectrum according to a differentiable radiative transfer model; solving the objective function to obtain final endmember spectra and the abundance matrix corresponding to the endmember spectra; and identifying alteration minerals using the final endmember spectra, and extracting mineral alteration features of the target area in combination with the abundance matrix corresponding to the endmember spectra. The present invention achieves solving of the nonlinear unmixing problem.



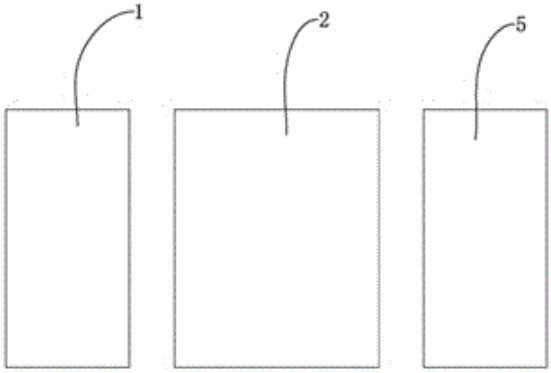
21: 2026/00138. 22: 2026/01/05. 43: 2026/01/30
51: B03C
71: BEIJING LONGYUANWEIDE ENERGY TECHNOLOGY CO., LTD.
72: XUE, XIAODONG, YUE, YONG, YI, WEIWEI, ZHANG, LILI, HOU, WENLI, MIAO, HAIJIANG, ZHANG, YANJING, ZHANG, DUNKAI, DONG, DONG
33: CN 31: 202510979658.X 32: 2025-07-16

54: SINTERING MACHINE HEAD ELECTROSTATIC PRECIPITATION SYSTEM AND METHOD

00: -

The present application relates to the field of sintering machine head electrostatic precipitation, and provides a sintering machine head electrostatic precipitation system including an airflow homogenization unit, an electric field precipitation unit, a high-frequency pulsed power supply unit, an intelligent control unit, and a dust concentration detector; the airflow homogenization unit is provided before the electric field precipitation unit; the high-frequency pulsed power supply unit is signal-connected to the electric field precipitation unit; the intelligent control unit is signal-connected to the electric field precipitation unit for controlling the voltage of the electric field precipitation unit; the dust concentration detector is provided at the outlet position of the electric field precipitation unit and is configured to detect the outlet dust concentration of the flue gas at the outlet position of the electric field

precipitation unit and transmit the outlet dust concentration to the intelligent control unit; the intelligent control unit is signal-connected to the high-frequency pulsed power supply unit; when the outlet dust concentration exceeds 20 mg/Nm^3, a pulse mode of the high-frequency pulsed unit is activated ; the present application further provides a sintering machine head electrostatic precipitation method, and achieves improved efficiency and performance of electrostatic precipitation.

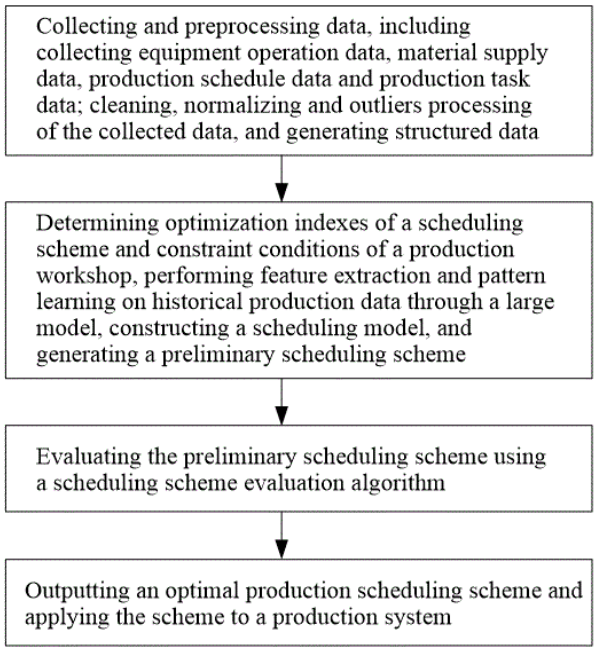


21: 2026/00466. 22: 2026/01/13. 43: 2026/01/28
51: G06Q
71: Hangzhou Bywin Technology Co., Ltd.
72: Weiqiang CHEN, Xiping CHEN, Jiawei YAO, Jibin XIE, Yuejian XIA
33: CN 31: 2025103889218 32: 2025-03-31

54: AN INTELLIGENT PRODUCTION SCHEDULING OPTIMIZATION METHOD AND SYSTEM BASED ON A LARGE MODEL

00: -

The present disclosure discloses an intelligent production scheduling optimization method based on a large model, comprising the following steps: S1. Collecting and preprocessing data; collecting equipment operation data, material supply data, production schedule data and production task data; cleaning, normalizing and outliers processing of the collected data to generate structured data; S2. Determining optimization indexes of a scheduling scheme and constraint conditions of a production workshop, constructing a scheduling model, and generating a preliminary scheduling scheme; S3. Evaluating the preliminary scheduling scheme using a scheduling scheme evaluation algorithm; S4. Outputting an optimal production scheduling scheme and applying the scheme to a production system. The present disclosure adopts an entropy-weighted multi-objective decision-making method combined with a multi-objective dragonfly optimization algorithm, which can effectively evaluate and optimize production scheduling schemes.



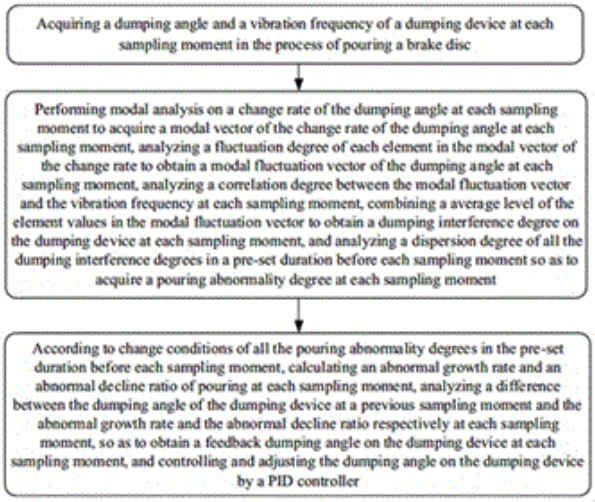
21: 2026/00722. 22: 2026/01/19. 43: 2026/01/28
51: G06F; B22D
71: SHANDONG YUDONG AUTO PARTS CO., LTD.
72: LI, YAN, CHEN, WENHAN, XU, YUANYUAN
33: CN 31: 202510443203.6 32: 2025-04-10

54: CASTING AND FORMING CONTROL METHOD, CASTING DEVICE, AND SYSTEM FOR BRAKE DISC

00: -

The present application relates to the technical field of casting and forming control of brake discs, and particularly relates to a casting and forming control method, a casting device and a system for a brake disc. The method includes: acquiring a dumping angle and a vibration frequency of a dumping device at each sampling moment in the process of pouring a brake dis, and obtaining a modal fluctuation vector of the dumping angle at each sampling moment; analyzing a correlation degree between the modal fluctuation vector and the vibration frequency at each sampling moment, and combining a average level of the modal fluctuation vector to obtain a dumping interference degree, and then obtain a pouring abnormality degree at each sampling

moment; and according to the change of pouring abnormality degree, calculating an abnormal growth rate and an abnormal decline rate of pouring at each sampling moment, and analyzing a difference between the dumping angle at the sampling moment before each sampling moment and the abnormal growth rate and abnormal decline rate respectively to obtain the feedback dumping angle on the dumping device at each sampling moment so as to adjust the dumping angle on the dumping device. The present application can improve the control accuracy of the casting and forming of the brake disc.

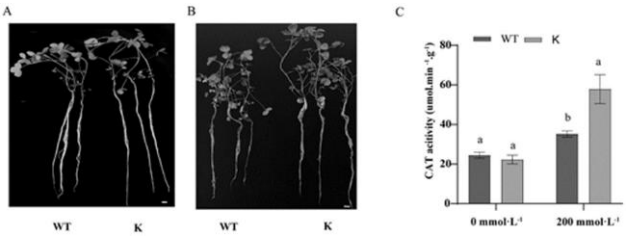


21: 2026/00726. 22: 2026/01/19. 43: 2026/01/28
51: C12N
71: Institute of Animal Science of Chinese Academy of Agricultural Sciences
72: Ruicai Long, Huanhuan Lv, Yanchao Xu, Haojie Yu, Mingna Li, Fei He, Qingchuan Yang
33: CN 31: 202510131999.1 32: 2025-02-06

54: ALFALFA MSKTI3 NUCLEIC ACID MOLECULE AND APPLICATION THEREOF IN IMPROVING PLANT SALT TOLERANCE

00: -

The present invention discloses the alfalfa MsKTI3 nucleic acid molecule and its application in improving plant salt tolerance. Through transcriptome sequencing analysis, this invention screened out the candidate gene MsKTI3 related to alfalfa salt tolerance, cloned MsKTI3, and overexpressed it in alfalfa and Arabidopsis thaliana to identify its gene function. This invention lays the foundation for further research into the function of MsKTI3 and its salt tolerance regulatory mechanism, and also provides a candidate gene resource for molecular improvement of alfalfa salt tolerance.

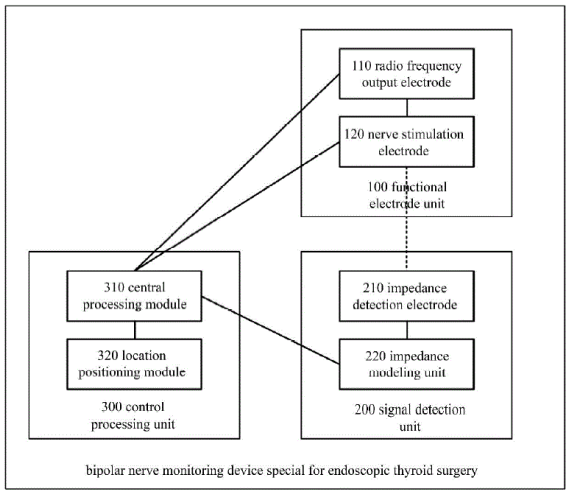


21: 2026/00732. 22: 2026/01/19. 43: 2026/01/28
51: A61B; A61N; G01N
71: GOLDBOV PHOTOELECTRONICS CO., LTD.
72: QIU, Hui
33: CN 31: 202510485066.2 32: 2025-04-17

54: BIPOLAR NERVE MONITORING DEVICE SPECIAL FOR ENDOSCOPIC THYROID SURGERY

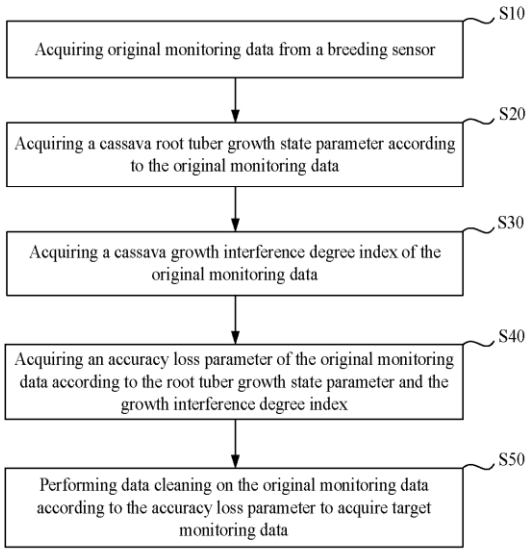
00: -

The present application provides a bipolar nerve monitoring device special for endoscopic thyroid surgery, and relates to the technical field of medical apparatuses and instruments. A radio frequency output electrode configured to apply a high-frequency current to perform tissue cutting and coagulation and a nerve stimulation electrode configured to apply a low-frequency current to perform nerve stimulation and monitoring are arranged in a functional electrode unit. The two electrodes work cooperatively, an impedance detection electrode may acquire a voltage signal generated after the low-frequency current passes through tissue, and an impedance modeling unit converts the acquired voltage signal to obtain an impedance value. A location positioning module determines a location of a working point between two electrode ends. During surgery, an initial impedance value of the working point at the current location is used as a tissue type to determine a tissue type of the working point. As the radio frequency output electrode performs tissue cutting, changes in the impedance value of the working point at the current location are monitored, and combined with the previously determined tissue type, a tissue cutting result is assessed. In summary, both the safety and overall efficiency of surgical operations are enhanced.



21: 2026/00782. 22: 2026/01/20. 43: 2026/01/28
51: G06F
71: TROPICAL CROPS GENETIC RESOURCES INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, SANYA INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES
72: Jie CAI, Feifei AN, Jingjing XUE, Wenli ZHU, Zhuowen WEI, Xiuqin LUO, Songbi CHEN, Feng YANG, Bei ZHANG, Kaimian LI, Maofu XUE, Hanfeng LI
33: CN 31: 202510097688.8 32: 2025-01-22
54: METHOD AND SYSTEM FOR MONITORING CASSAVA BREEDING ENVIRONMENT BASED ON DATA ANALYSIS
00: -

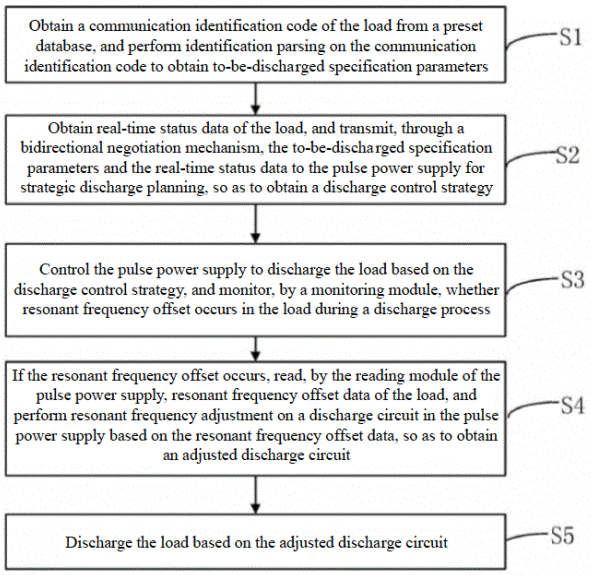
Disclosed herein are a method and a system for monitoring a cassava breeding environment based on data analysis in the technical field of data processing. The method includes: acquiring original monitoring data from a breeding sensor; acquiring a cassava root tuber growth state parameter according to the original monitoring data; acquiring a cassava growth interference degree index of the original monitoring data; acquiring an accuracy loss parameter of the original monitoring data according to the cassava root tuber growth state parameter and the cassava growth interference degree index; and performing data cleaning on the original monitoring data according to the accuracy loss parameter to acquire target monitoring data. Embodiments of the present application can dynamically analyze the accuracy loss parameter of the monitoring data according to the cassava growth condition, and clean the original monitoring data according to the accuracy loss parameter, thereby improving the data accuracy of the monitoring data.



21: 2026/00996. 22: 2026/01/23. 43: 2026/01/28
51: H03K
71: SHENZHEN GARLE ELECTRIC TECHNOLOGIES CO., LTD
72: Jiang, Haifeng, LI, Huan
33: CN 31: 202510189415.6 32: 2025-02-20
54: INTELLIGENT CONTROL AND MANAGEMENT METHOD FOR PULSED POWER SUPPLY AND RELATED DEVICES
00: -

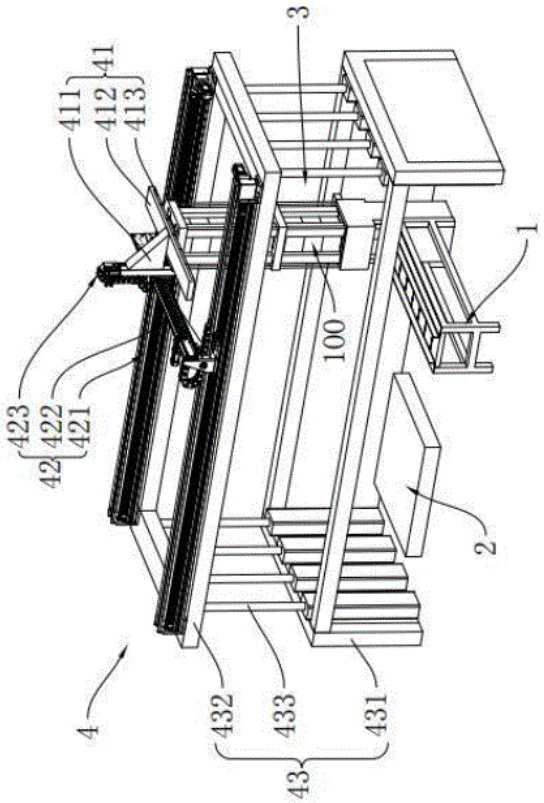
The present invention relates to an intelligent control and management method for a pulsed power supply and related devices. The intelligent control and management method includes the following steps: obtaining real-time status data of the load, and transmitting, through a bidirectional negotiation mechanism, the to-be-discharged specification parameters and the real-time status data to the pulsed power supply for strategic discharge planning, so as to obtain a discharge control strategy; controlling the pulsed power supply to discharge the load based on the discharge control strategy, and monitoring whether resonant frequency offset occurs in the load; if the resonant frequency offset occurs, reading, by the reading module of the pulsed power supply, resonant frequency offset data of the load, and performing resonant frequency adjustment on a discharge circuit in the pulsed power supply based on the resonant frequency offset data, so as to obtain an adjusted discharge

circuit; and discharging the load based on the adjusted discharge circuit. The technical problem of how to accurately detect and adjust the resonant frequency of the discharge circuit is solved.



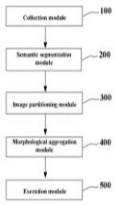
21: 2026/01034. 22: 2026/01/26. 43: 2026/01/28
51: B65G
71: Jiangmen Guangjin Casting & Forging Foundry Co., Ltd.
72: LUO, Yaoping, CHEN, Jiaying, DU, Jianmin, ZHAN, Delin, HAN, Mingfu
33: CN 31: 202510169678.0 32: 2025-02-17
54: AUTOMATIC PALLETIZING DEVICE FOR CONTAINER CORNER FITTINGS
00: -

The present application relates to an automatic palletizing device for container corner fittings, belongs to the technical field of palletizing equipment. The palletizing device includes a conveyor belt, a pallet, a temporary storage mechanism and a transfer mechanism. The temporary storage mechanism includes a mounting tube frame, a pushing assembly and a storage assembly, both the pushing assembly and the storage assembly are located within the mounting tube frame, the pushing assembly is positioned beside the conveyor belt along the length direction thereof, the storage assembly is located directly above the pushing assembly, the conveyor belt is configured to convey container corner fittings onto the pushing assembly, the pushing assembly is configured to push each container corner fitting into the storage assembly, and the storage assembly is configured to store the container corner fittings. The transfer mechanism includes a fixing frame, a gripping manipulator and a power assembly, the conveyor belt, the pallet, and the temporary storage mechanism are all located within the fixing frame, the power assembly is arranged on the fixing frame, the gripping manipulator is connected to the power assembly. In the present application, the temporary storage mechanism serves as a buffer between the conveyor belt and the transfer mechanism, which can reduce the impact of the palletizing device on the production efficiency of the container corner fittings.

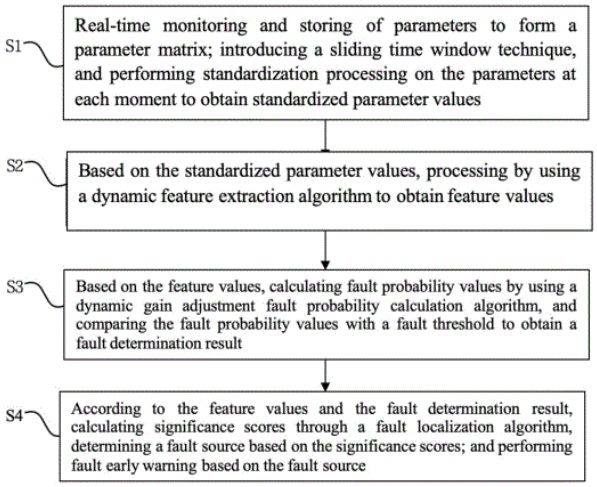


21: 2026/01039. 22: 2026/01/26. 43: 2026/01/28
51: G06T
71: Guizhou University of Commerce
72: HUO, Shan, LI, Qin
33: CN 31: 202510909966.5 32: 2025-07-02
54: AGGREGATION METHOD AND SYSTEM FOR DONG TRADITIONAL ARCHITECTURAL STRUCTURES BASED ON SPATIAL UNIT CLUSTERS AND MORPHOLOGICAL COUPLING
00: -

Provided is a digital atlas system for Dong traditional settlement landscapes based on a graphic information system (GIS) technology. An architectural landscape image of a target building is collected and converted to an enhanced landscape image; semantic segmentation of structural elements is performed on the enhanced landscape image based on an edge representation degree of the architectural landscape image during edge enhancement processing, to obtain a structural semantic map of the architectural landscape; a plurality of spatial unit clusters are partitioned from the structural semantic map based on spatial constraint relationships among different structural elements; aggregation units of architectural structural morphology are generated based on a feature point set of an architectural structure in the spatial unit cluster in combination with minimum envelop geometric constraint; and visual regularization is performed on the architectural landscape image based on a morphological coupling degree among the aggregation units.

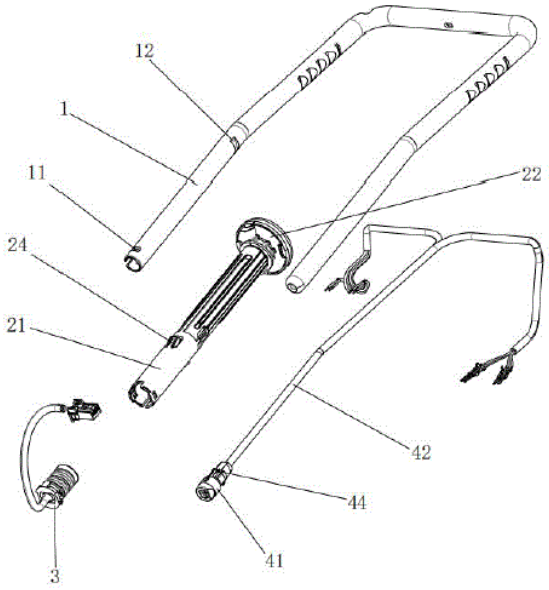


21: 2026/01077. 22: 2026/01/27. 43: 2026/01/28
51: G06F
71: Shandong Gold Mining (Laizhou) Co., Ltd, Jiaojia Gold Mine
72: Qiu Jungang, Yang Yong, Yan Yongjiang, Wei Dengfeng, Cui Yanlong, Zhang Guangfeng, Wu Zhiguang, Liu Mingzhou, Dong Jinfu, Lv Weitao
33: CN 31: 202510156584X 32: 2025-02-13
54: A FAULT EARLY WARNING METHOD FOR A TAILINGS PASTE BACKFILLING SYSTEM
00: -
The present invention relates to the field of fault early warning, and in particular to a fault early warning method for a tailings paste backfilling system. The method includes: real-time monitoring and storing of parameters to form a parameter matrix; introducing a sliding time window technique to standardize the parameters at each moment to obtain standardized parameter values; based on the standardized parameter values, processing by using a dynamic feature extraction algorithm to obtain feature values; based on the feature values, calculating fault probability values by using a dynamic gain adjustment fault probability calculation algorithm, and comparing the fault probability values with a fault threshold to obtain a fault determination result; according to the feature values and the fault determination result, calculating significance scores through a fault localization algorithm, and determining a fault source based on the significance scores; and performing fault early warning based on the fault source. The method solves the technical problem that, in the tailings paste backfilling system, the presence of multiple monitoring points makes real-time data processing complex and makes unified comparison and analysis difficult.



21: 2026/01078. 22: 2026/01/27. 43: 2026/01/28
51: H01R
71: Shenzhen Farmer Technology Co., Ltd.
72: TIAN, Wenwei, WU, Qijun
33: CN 31: 202510188526.5 32: 2025-02-20
54: SPLIT WIRE HARNESS CONNECTION STRUCTURE
00: -
The present application discloses a split wire harness connection structure, which relates to the technical field of wire harness connection and includes a connection tube, a connection sleeve assembly, a second connection assembly, and a first connection assembly. The connection sleeve assembly is sleeved on an outer side of the connection tube and includes a tube sleeve and a locking device. The locking device communicates

with the tube sleeve, the tube sleeve has a first locking port, and the locking device is configured to lock the connection tube. The second connection assembly includes a second terminal and a second wire harness connected to the second terminal. The second terminal is disposed inside the connection sleeve assembly and connected to the connection tube, and the second terminal is formed with an electrical port. The first connection assembly includes a first terminal, a first wire harness, an elastic member, and a mounting member. The first terminal is provided with an electrical plug corresponding to the electrical port, and the first wire harness is connected to the first terminal. The elastic member and the mounting member are sleeved on an outer side of the first wire harness, a first end of the elastic member is connected to the first terminal, and a second end of the elastic member is connected to the mounting member.The mounting member is provided with a locking block, and the locking block is locked into the first locking port to provide pressure for the connection between the electrical port and the electrical plug via the elastic member.

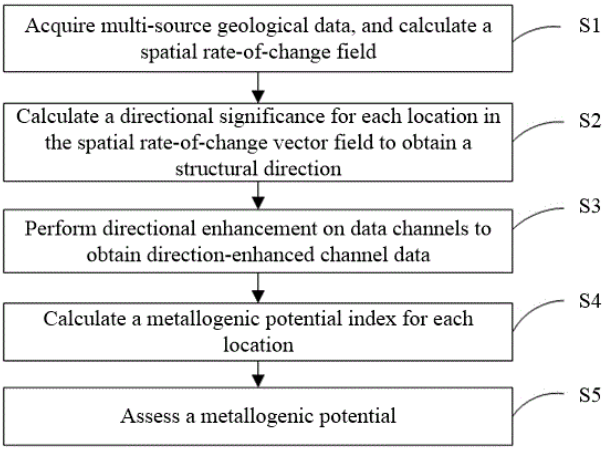


21: 2026/01080. 22: 2026/01/27. 43: 2026/01/28
51: G06Q
71: SHANDONG GOLD GROUP CO., LTD.
72: Xiao Li, Wen Cai, Yixin Li, Hongtao Bi, Zhiyou Gao, Hanwen Jia, Shaojie Liu
33: CN 31: 2025115322148 32: 2025-10-24

54: METALLOGENIC PREDICTION METHOD AND SYSTEM BASED ON GEOLOGICAL BIG DATA

00: -

The present invention relates to a metallogenic prediction method and system based on geological big data. The method includes: acquiring multi-source geological data, performing rasterization processing on the multi-source geological data to obtain a plurality of types of data channels, and calculating a spatial rate-of-change vector for each location in the data channels; for each location, dividing the local region into two sub-regions along a plurality of test directions, calculating a vector sum of all spatial rate-of-change vector fields in each sub-region, and calculating a directional significance of each test direction through the vector sums of the two sub-regions, and determining the test direction corresponding to the maximum directional significance as a structural direction of the location; and performing directional enhancement on the data channels to obtain direction-enhanced data channels, and calculating a metallogenic potential index for each location to assess a possibility of mineralization at the corresponding location.



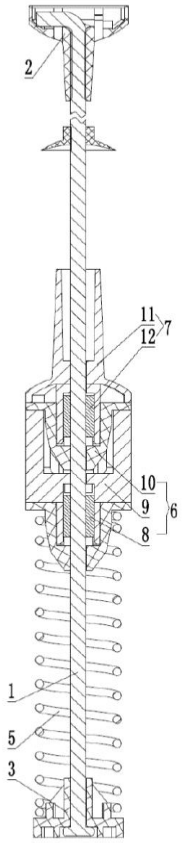
21: 2026/01124. 22: 2026/01/28. 43: 2026/02/06
51: C02F
71: Beijing Longyuanweide Energy Technology Co., Ltd.
72: YUE, Yong, YI, Weiwei, ZHAO, Shuo, MA, Jin, ZHANG, Jianfei, WANG, Ran, LIU, Peng, DONG, Dong
33: CN 31: 202510900731.X 32: 2025-07-01

54: METHOD FOR TREATING STEEL PLANT WASTEWATER

00: -

The present application relates to the technical field of wastewater treatment, and specifically discloses a method for treating steel plant wastewater. The method for treating steel plant wastewater disclosed in the present application includes the following steps: pretreatment, where wastewater is subjected to water quality treatment through a grid screen and an equalization tank; main treatment, where a coagulant is added for coagulation and sedimentation, followed by deep filtration using a membrane separation assembly; based on volume of the wastewater, the coagulant consists of the following components at specified concentrations: polyaluminum chloride with the concentration of 50-85 mg/L, polyferric sulfate with the concentration of 40-60 mg/L, polyacrylamide with the concentration of 0.2-1 mg/L, and a coagulant aid with the concentration of 3-10 mg/L; a preparation method for the coagulant aid is as follows: mixing a cross-linked network structure polymer with enzyme-modified polysaccharide to obtain the coagulant aid; and post-treatment, where disinfection treatment is performed. By using the above method provided in the present application to treat the steel plant wastewater, the process is simple and delivers excellent wastewater treatment results.

21: 2026/01146. 22: 2026/01/28. 43: 2026/02/06
51: D06F
71: CHANGYI YONGFU SPRING CO., LTD
72: Bangzhen GONG, Xuewen GONG
33: CN 31: CN202321746846.0 32: 2023-07-05
54: VIBRATION REDUCTION ASSEMBLY FOR HIGH-CAPACITY WASHING MACHINE
00: -
The present disclosure provides a vibration reduction assembly for high-capacity washing machines, comprising a suspension rod, a spring lower support, a return spring, a spring upper support, and a suspension rod seat. The spring upper support comprises at least a first damping member and a second damping member. The first damping member comprises a first elastic damping sleeve and a first sliding seat. The first elastic damping sleeve is disposed within the first sliding seat with both ends of the sliding seat connected to respective connecting seats via insertion. The second damping member is disposed above the first damping member and is fixedly inserted into the uppermost connecting seat. The multi-damping type multiple vibration reduction structure significantly increases the frictional resistance upper limit of the spring upper support, meeting the vibration reduction stability requirements of high capacity washing machines, and extends the service life of the vibration reduction assembly.

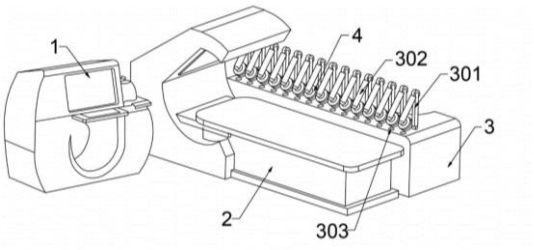


21: 2026/01163. 22: 2026/01/28. 43: 2026/02/06
51: C09J; C09K
71: ZHEJIANG SAINTYEAR ELECTRONIC TECHNOLOGY CO., LTD.
72: QIAN, Laijiang, LI, Kangkai, TAO, Teng, SHEN, Haifei
33: CN 31: 202410695430.3 32: 2024-05-31
54: HEAT-CONDUCTING GRAPHENE SHEET AND PREPARATION METHOD THEREFOR
00: -
The present invention belongs to the field of graphene, and particularly relates to a heat-conducting graphene sheet and a preparation method therefor. The heat-conducting graphene sheet provided in the present invention is prepared by subjecting a heat-conducting graphene sheet semi-finished product to hot-pressing, wherein the

heat-conducting graphene sheet semi-finished product comprises a glass fiber sheet and graphene microchip sizing material layers compounded on both sides of the surfaces of the glass fiber sheet, with the components of the graphene microchip sizing material layer comprise organic silicon surface-modified graphene microchips, boron nitride and an organic silicon glue. The heat-conducting graphene sheet provided in the present invention has relatively good toughness, a smooth and flat surface and both good in-plane heat-conducting property and good vertical heat-conducting property, and has wide application prospects in the application fields of heat management, electronic device heat dissipation, new energy, etc.

21: 2026/01280. 22: 2026/01/30. 43: 2026/02/06
51: C03B; H01J; H01K
71: JIANGXI KLITE LIGHTING CO., LTD
72: SHEN, Yanwei, JIANG, Songhe, JI, Yilan, LUO, Si, GE, Wenjia
33: CN 31: 202411805689.5 32: 2024-12-10
54: FIRING SEALING APPARATUS FOR FILAMENT LAMP BULB
00: -
The present invention belongs to the technical field of the firing sealing of lamp bulbs. Disclosed is a firing sealing apparatus for a filament lamp bulb, the firing sealing apparatus comprising a firing apparatus, wherein a LOGO printing apparatus is provided on one side of the firing apparatus, a sealing part is joined and fixedly connected between the firing apparatus and the sealing part, and a robotic arm is fixedly connected to the outer wall of the top end of the sealing part. A motor drives a bidirectional threaded rod to rotate, so as to drive two clamping plates to move in opposite directions until the two clamping plates come into contact with the tube body of a glass bulb tube, and the tube body is subjected to re-cutting in an abutting manner at a unified position to avoid inconsistencies in tube body length and bottom shape among glass bulb tubes. A press-tilting plate tilts to drive a trumpet grinding column on the other side of the top end of the press-tilting plate to move upwards, and a threaded-hole extendable plate moving downwards enables a screw rod II to rotate so as to wind a hemp rope, thus driving the trumpet grinding column to rotate. The rotating trumpet grinding column can perform rotational grinding on the bottom end of the glass bulb tube, such that when the residual heat remains and the bottom end of the glass bulb tube is not yet set, the bottom end of the glass bulb tube undergoes rotational grinding to be in a smooth state.

21: 2026/01349. 22: 2026/02/02. 43: 2026/02/06
51: A61N
71: Henan Lixinghe Medical Technology Co., Ltd
72: ZHANG, Yanming
33: CN 31: 202311304848.9 32: 2023-10-10
54: MULTI-PROBE INTELLIGENT MICROWAVE PHYSIOTHERAPY INSTRUMENT
00: -
The present invention relates to the technical field of microwave physiotherapy instruments. Disclosed is a multi-probe intelligent microwave physiotherapy instrument. Pressure-bearing air bags are fixedly connected between the tops of physiotherapy probes and the top of an inner cavity of a protective shell. The inner side wall of a circulation plate is uniformly provided with second circulation holes, and the outer side wall of the circulation plate is sleeved with an expansion air bag, the expansion air bag communicating with the second circulation holes by means of an air conveying pipe. An air blowing disc is fixedly mounted on the bottom of the protective shell, the pressure-bearing air bags being connected to the air blowing disc by means of air guide pipes. Pressure electromagnetic valves are fixedly mounted on the air guide pipes, an electric control valve is fixedly mounted on the air conveying pipe, and air feeding one-way valves are fixedly mounted on the pressure-bearing air bags. Thus, physiotherapy assemblies can be in contact with the surface of the skin instead of the physiotherapy probes and finally can reach the state of being attached to the surface of the skin. Therefore, treatment can be uniformly applied to the physiotherapy site so as to timely reduce the heat brought to the skin surface, thereby achieving automatic cooling and preventing the skin of patients from burning.


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4
302
301
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303

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

3. DESIGNS

DESIGNS

APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

. - APPLIED ON 2026/01/23 -

A2026/00055 - UNILEVER IP HOLDINGS B.V. Class 9. JAR

A2026/00056 - UNILEVER IP HOLDINGS B.V. Class 19. LABEL

. - APPLIED ON 2026/01/26 -

A2026/00059 - KILNHOUSE DESIGN STUDIO (PTY) LTD Class 06. DINING TABLE

A2026/00061 - NEOSIMPLIX CO., LTD Class 09. COSMETIC CONTAINER

A2026/00057 - KILNHOUSE DESIGN STUDIO (PTY) LTD Class 06. DINING TABLE

A2026/00060 - KILNHOUSE DESIGN STUDIO (PTY) LTD Class 06. DINING TABLE

A2026/00058 - KILNHOUSE DESIGN STUDIO (PTY) LTD Class 06. COFFEE TABLE

. - APPLIED ON 2026/01/27 -

A2026/00064 - Turlen Holding SA Class 10. WATCH MECHANISMS

A2026/00062 - Turlen Holding SA Class 10. WATCHES

A2026/00063 - Turlen Holding SA Class 10. WATCH MECHANISM PARTS

. - APPLIED ON 2026/01/28 -

A2026/00065 - HOCW (Pty) Ltd Class 23. MURUS SINK

F2026/00066 - Vinovate IP B.V Class 3. TRAVEL CASE FOR A WINE GLASS

. - APPLIED ON 2026/01/29 -

A2026/00072 - CONTINENTAL REIFEN DEUTSCHLAND GMBH Class 12. TYRES

A2026/00068 - IRIZAR, S. COOP. Class 12. BUS

F2026/00076 - ARON MARC BUDIN Class 26. LED LIGHT FIXTURE HOUSING

F2026/00073 - ARON MARC BUDIN Class 26. LED LIGHT FIXTURE APPARATUS

A2026/00071 - CONTINENTAL REIFEN DEUTSCHLAND GMBH Class 12. TYRES

F2026/00067 - ALTO ADIGE ACQUISITIONS PROPRIETARY LIMITED (REGISTRATION NO. 2022/735583/07) Class 12. A CANOPY FOR A MOTORCYCLE

A2026/00078 - ARON MARC BUDIN Class 26. LED LIGHT FIXTURE BASE STRUCTURE

A2026/00077 - ARON MARC BUDIN Class 26. LED LIGHT FIXTURE APPARATUS

A2026/00075 - ARON MARC BUDIN Class 26. LED LIGHT FIXTURE HOUSING

F2026/00074 - ARON MARC BUDIN Class 26. LED LIGHT FIXTURE BASE STRUCTURE

F2026/00070 - KOEKEMOER, Louis Christiaan Class 29. FIRE EXTINGUISHING ROBOT

A2026/00069 - KOEKEMOER, Louis Christiaan Class 29. FIRE EXTINGUISHING ROBOT

. - APPLIED ON 2026/01/30 -

A2026/00080 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

F2026/00082 - NEIZANNE (PTY) LTD Class 08. DOWN-THE-HOLE DRILL BIT

A2026/00083 - GRID STOKKIE (PTY) LTD Class 07. GRID LIFTER

F2026/00086 - GRID STOKKIE (PTY) LTD Class 07. GRID LIFTER

A2026/00081 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

A2026/00087 - NEXON LABS (PTY) LTD Class 14. PERIPHERAL DEVICE

A2026/00079 - HYUNDAI MOTOR COMPANY, KIA CORPORATION Class 12. AUTOMOBILE

A2026/00088 - MAMAS SAUCE (PTY) LTD. Class 9. BOTTLES

A2026/00085 - GRID STOKKIE (PTY) LTD Class 07. GRID LIFTER

F2026/00084 - GRID STOKKIE (PTY) LTD Class 07. GRID LIFTER

A2026/00089 - NEIZANNE (PTY) LTD Class 08. DOWN-THE-HOLE DRILL BIT

. - APPLIED ON 2026/02/02 -

A2026/00090 - MONTRES TUDOR SA Class 10. WATCH DIAL

. - APPLIED ON 2026/02/03 -

A2026/00095 - Stratovest 117 Proprietary Limited Class 9. BEVERAGE DISPENSERS

A2026/00091 - OWLET BABY CARE, INC. Class 16. VIDEO CAMERAS

A2026/00092 - OWLET BABY CARE, INC. Class 16. VIDEO CAMERAS

A2026/00094 - OWLET BABY CARE, INC. Class 16. VIDEO CAMERAS

A2026/00093 - OWLET BABY CARE, INC. Class 16. VIDEO CAMERAS

. - APPLIED ON 2026/02/04 -

A2026/00096 - Guangdong Xingbao Electronic Technology Co., Ltd. Class 21. EDUCATIONAL TOYS

. - APPLIED ON 2026/02/05 -

A2026/00098 - LEDGER Class 14. INFORMATION PROCESSING DEVICE

F2026/00097 - Thobani Class 19. NAVI 3IN1 SET-SQUARE

. - APPLIED ON 2026/02/06 -

A2026/00106 - FLEXIBLE STEEL LACING COMPANY Class 08. CONVEYOR BELT FASTENER

F2026/00103 - FLEXIBLE STEEL LACING COMPANY Class 08. CONVEYOR BELT FASTENER

F2026/00100 - FLEXIBLE STEEL LACING COMPANY Class 08. CONVEYOR BELT FASTENER

A2026/00108 - BELVAC PRODUCTION MACHINERY, INC. Class 9. CONTAINER FOR A BEVERAGE OR THE LIKE

A2026/00109 - BELVAC PRODUCTION MACHINERY, INC. Class 9. CONTAINER FOR A BEVERAGE OR THE LIKE

A2026/00107 - BELVAC PRODUCTION MACHINERY, INC. Class 9. CONTAINER FOR A BEVERAGE OR THE LIKE

A2026/00102 - FLEXIBLE STEEL LACING COMPANY Class 08. CONVEYOR BELT FASTENER

A2026/00105 - AQUAFFECTION (PTY) LTD Class 23. WATER DISPENSING UNIT

F2026/00101 - FLEXIBLE STEEL LACING COMPANY Class 08. CONVEYOR BELT FASTENER

A2026/00104 - AQUAFFECTION (PTY) LTD Class 23. WATER DISPENSING UNIT

A2026/00099 - FLEXIBLE STEEL LACING COMPANY Class 08. CONVEYOR BELT FASTENER

A2026/00110 - Visionux PTY Ltd (Reg - 2020/020850/07 Class 32. CLOTHING

. - APPLIED ON 2026/02/09 -

A2026/00111 - IDEMIA PUBLIC SECURITY FRANCE Class 10. BIOMETRIC CONSOLE

A2026/00113 - Madad Pty Ltd Class 6. MATTRESSES AND MATTRESS SUPPORTS

A2026/00112 - IDEMIA PUBLIC SECURITY FRANCE Class 10. BIOMETRIC CONSOLE

. - APPLIED ON 2026/02/10 -

F2026/00121 - STANTON GLOBAL (PTY) LTD Class 25. CABLE RETAINER

F2026/00116 - CRONJE, Michael, Josias Class 29. ELECTRICAL CABLE RETENTION DEVICE

F2026/00123 - STANTON GLOBAL (PTY) LTD Class 25. CABLE SLACK STORAGE ARRANGEMENT

A2026/00115 - ALKA CALM (PTY) LTD Class 9. CONTAINER

A2026/00122 - STANTON GLOBAL (PTY) LTD Class 25. CABLE SLACK STORAGE ARRANGEMENT

F2026/00119 - STANTON GLOBAL (PTY) LTD Class 25. CABLE STORAGE BRACKET

A2026/00120 - STANTON GLOBAL (PTY) LTD Class 25. CABLE RETAINER

A2026/00118 - STANTON GLOBAL (PTY) LTD Class 25. CABLE STORAGE BRACKET

A2026/00117 - BEIJING HYPERSTRONG TECHNOLOGY CO., LTD. Class 13. ENERGY STORAGE CONTAINERS

F2026/00114 - GUANGDONG ACE ROLLING NEW MATERIAL TECHNOLOGY CO.LTD Class 27. CIGARETTE HOLDERS

. - APPLIED ON 2026/02/11 -

A2026/00124 - GERT-JOHAN COETZEE (PTY) LTD Class 03. HANDBAG

F2026/00127 - SCHMAHL, George James Class 16. A HANGING SUPPORT

A2026/00125 - GERT-JOHAN COETZEE (PTY) LTD Class 03. CLASP

A2026/00128 - ORBBEC INC. Class 14. 3D SCANNER

A2026/00126 - TVS MOTOR COMPANY LIMITED Class 12. SCOOTER

. - APPLIED ON 2026/02/12 -

A2026/00129 - GAVRIC, Slobodan Class 21. FISHING TOOL

F2026/00131 - PELSER, Elizabeth Maria Class 21. STRETCHABLE SCREEN

F2026/00130 - GAVRIC, Slobodan Class 21. FISHING TOOL

A2026/00132 - PELSER, Elizabeth Maria Class 21. STRETCHABLE SCREEN

A2026/00133 - LG ELECTRONICS INC. Class 13. FASTENING HOLDER FOR CABLES

. - APPLIED ON 2026/02/13 -

A2026/00138 - RSI NORTH AMERICA, INC. Class 12. REAR FLANGE

A2026/00140 - RSI NORTH AMERICA, INC. Class 12. FRONT FLANGE

A2026/00150 - RSI NORTH AMERICA, INC. Class 12. LOAD BAR END CAP

A2026/00134 - HAMMOND, John Class 6. BUNK BED

F2026/00139 - RSI NORTH AMERICA, INC. Class 12. REAR FLANGE

F2026/00141 - RSI NORTH AMERICA, INC. Class 12. FRONT FLANGE

F2026/00143 - RSI NORTH AMERICA, INC. Class 12. RAIL PORTION

F2026/00147 - RSI NORTH AMERICA, INC. Class 12. ROOF PANEL

F2026/00145 - RSI NORTH AMERICA, INC. Class 12. END CAP FOR A RAIL PORTION

F2026/00148 - RSI NORTH AMERICA, INC. Class 12. SIDE STIFFENER

A2026/00153 - RSI NORTH AMERICA, INC. Class 12. FRONT FLANGE

F2026/00137 - RSI NORTH AMERICA, INC. Class 12. CANOPY FOR A VEHICLE

A2026/00142 - RSI NORTH AMERICA, INC. Class 12. RAIL PORTION

A2026/00144 - RSI NORTH AMERICA, INC. Class 12. END CAP FOR A RAIL PORTION

A2026/00146 - RSI NORTH AMERICA, INC. Class 12. ROOF PANEL

F2026/00149 - RSI NORTH AMERICA, INC. Class 12. LOAD BAR END CAP

A2026/00151 - RSI NORTH AMERICA, INC. Class 12. CANOPY STORAGE SYSTEM

F2026/00152 - RSI NORTH AMERICA, INC. Class 12. CANOPY STORAGE SYSTEM

F2026/00135 - HAMMOND, John Class 6. BUNK BED

A2026/00136 - RSI NORTH AMERICA, INC. Class 12. CANOPY FOR A VEHICLE

. - APPLIED ON 2026/02/16 -

A2026/00155 - BEBEBOO IOT TECHNOLOGY (SHANGHAI) CO., Ltd., BUTONG GROUP INTERNATIONAL LIMITED Class 6. INFANT CARRIER

A2026/00154 - STUDIO SIBANDA (pty) Ltd Class 32. BEAUTIFUL MADNESS

. - APPLIED ON 2026/02/17 -

A2026/00156 - Mortimar Clark Class 06. BED

. - APPLIED ON 2026/02/18 -

F2026/00158 - PRINSLOO, Wessel Frans, TOPFLOOR CONCRETE PROPRIETARY LIMITED Class 25. CONSTRUCTION MEMBERS

A2026/00157 - PRINSLOO, Wessel Frans, TOPFLOOR CONCRETE PROPRIETARY LIMITED Class 25. CONSTRUCTION MEMBERS

F2026/00160 - BEAUCHAMP, Siobhan Class 15. FLOW CONDITIONER

A2026/00159 - Kaizen Packaging and Printing (Pty) Ltd Class 07. THREE FOLD CUP

A2026/00161 - Kaizen Packaging and Printing (Pty) Ltd Class 07. FOURFOLD CUP

. - APPLIED ON 2026/02/19 -

A2026/00163 - YETI COOLERS, LLC Class 9. LID

A2026/00162 - YETI COOLERS, LLC Class 9. LID CLOSURE

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

VOLUNTARY SURRENDER OF A DESIGN IN TERMS OF SECTION 34 REGULATION 42(4) OF THE DESIGN ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

No records available

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

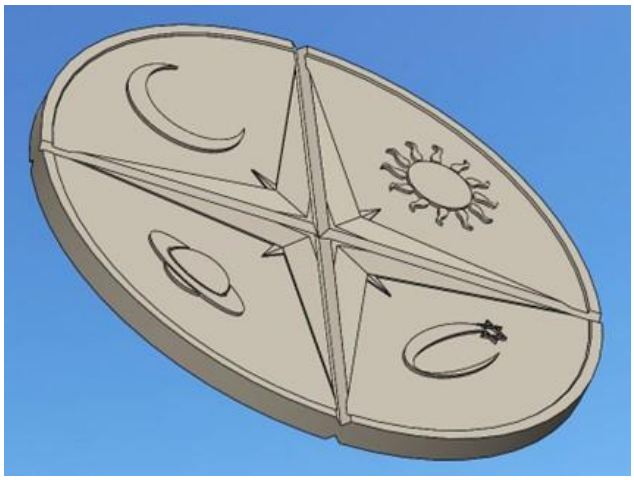
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgment. **(23)** release date (if applicable). **(43)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

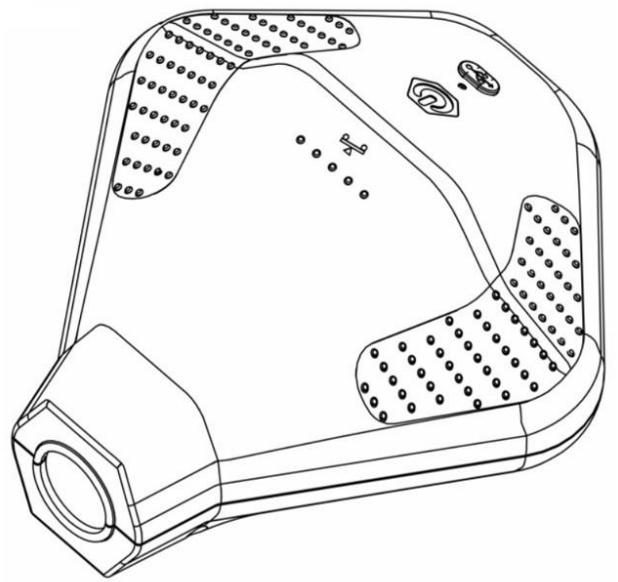
N.B.: Date of registration **(43)** is either Date of lodgment **(22)** or Date of convention of application **(32)** whichever is the earlier.

Registrar of Designs

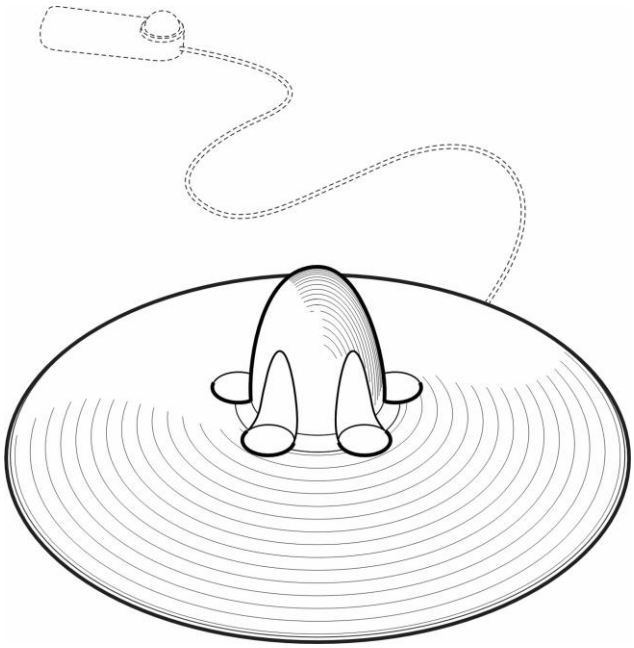
21: A2024/01142 22: 2024-11-07 23:
43: 2025-12-09
52: Class 11 24: Part A
71: MAURER, Petula Meredith
54: ROUND
57: The design is for a round, resembling a coin, that is divided it into four quarters, each with a unique relief.



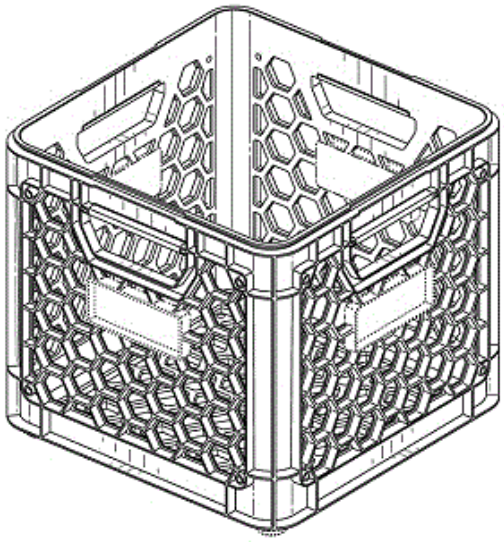
21: A2024/01151 22: 2024-11-12 23:
43: 2025-11-25
52: Class 24 24: Part A
71: CIPLA LIMITED
33: IN 31: 430276-001 32: 2024-09-12
54: OSCILLOMETER
57: The design is applied to an oscillometer. The features of the design for which protection is claimed are those of the shape and/or configuration of the oscillometer, substantially as illustrated in the accompanying representation.



21: A2024/01176 22: 2024-11-21 23:
43: 2026-01-29
52: Class 28 24: Part A
71: VAN DER MERWE, Adre
54: MASSAGE DEVICE
57: The design is applied to a massage device. 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 massage device, substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines are provided to indicate contours but do not form part of the design and are also disclaimed.

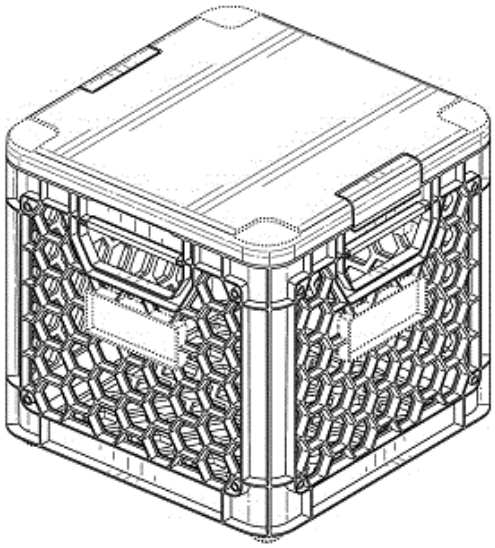


21: A2024/01249 22: 2024-12-04 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,696 32: 2024-06-04
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



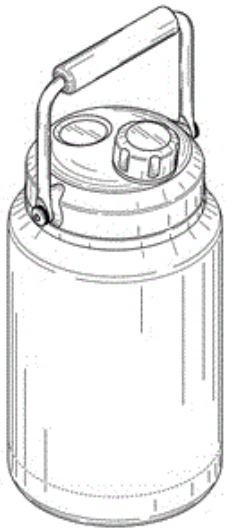
FRONT PERSPECTIVE VIEW

21: A2024/01250 22: 2024-12-04 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,696 32: 2024-06-04
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



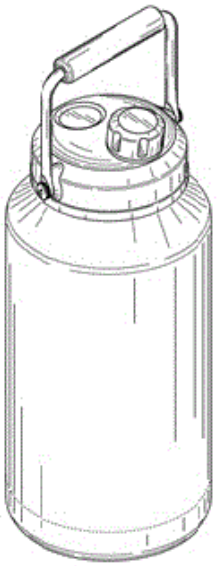
FRONT PERSPECTIVE VIEW

21: A2024/01251 22: 2024-12-04 23:
43: 2025-12-09
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,656 32: 2024-06-04
54: Jug
57: The design relates to a jug. The features of the design are those of shape and/or configuration.



TOP FRONT PERSPECTIVE VIEW

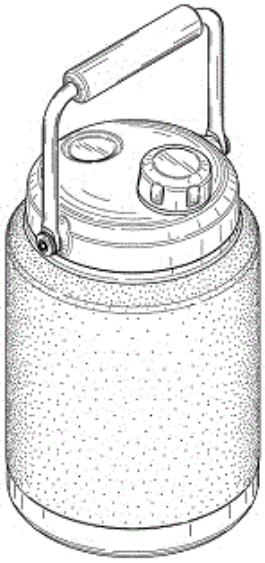
21: A2024/01252 22: 2024-12-04 23:
43: 2025-12-09
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,656 32: 2024-06-04
54: Jug
57: The design relates to a jug. The features of the design are those of shape and/or configuration.



TOP FRONT PERSPECTIVE VIEW

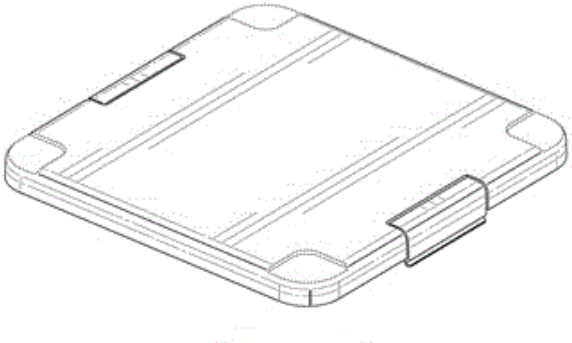
21: A2024/01253 22: 2024-12-04 23:

43: 2025-12-09
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,677 32: 2024-06-04
54: Jug
57: The design relates to a jug. The features of the design are those of shape and/or configuration and/or ornamentation.



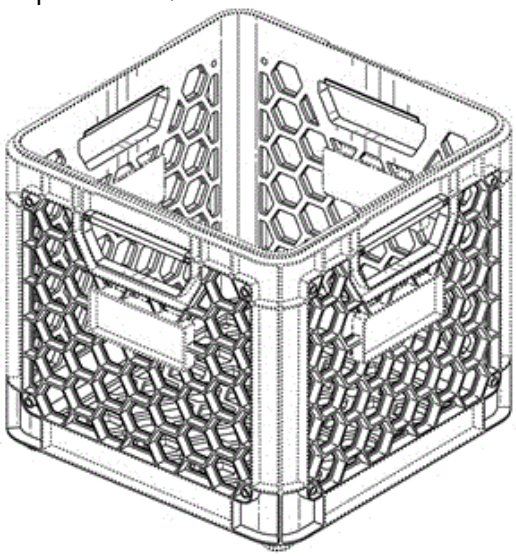
TOP FRONT PERSPECTIVE VIEW

21: A2024/01255 22: 2024-12-04 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,696 32: 2024-06-04
54: Lid for a Container
57: The design relates to a lid for a container. The features of the design are those of shape and/or configuration and/or ornamentation.



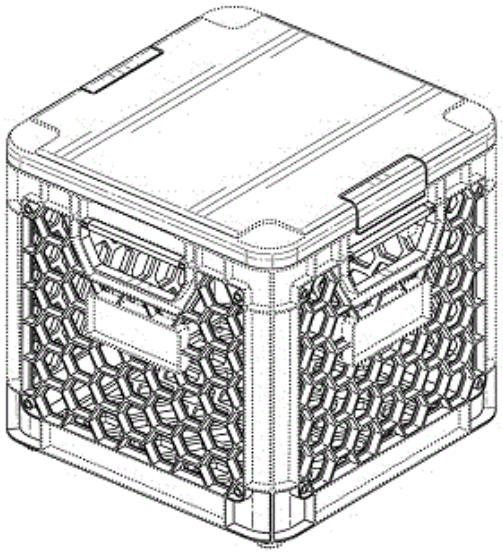
FRONT PERSPECTIVE VIEW

21: A2024/01256 22: 2024-12-04 23:
43: 2025-12-10
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,696 32: 2024-06-04
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



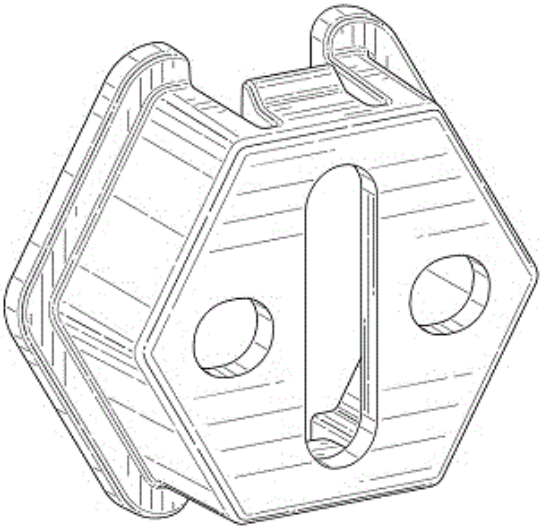
FRONT PERSPECTIVE VIEW

21: A2024/01257 22: 2024-12-04 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,696 32: 2024-06-04
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



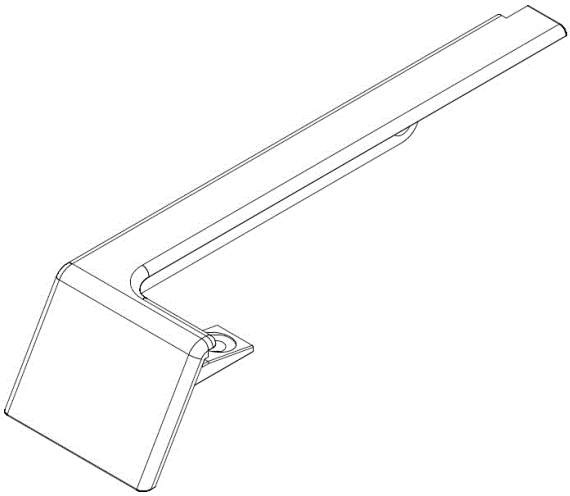
FRONT PERSPECTIVE VIEW

21: A2024/01260 22: 2024-12-04 23:
43: 2025-12-09
52: Class 8. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/945,693 32: 2024-06-04
54: Connector
57: The design relates to connector. The features of the design are those of shape and/or configuration.

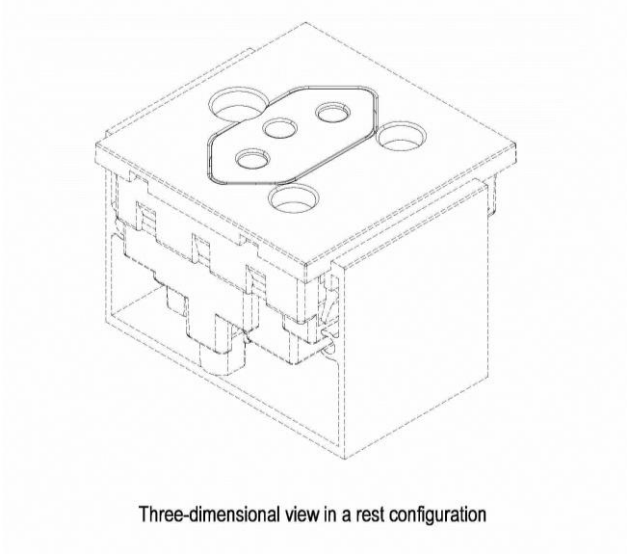


FRONT PERSPECTIVE VIEW

21: A2024/01328 22: 2024-12-17 23:
43: 2024-07-10
52: Class 12 24: Part A
71: SECURI-LID (PTY) LTD.
54: End caps for vehicle covers
57: The design relates to a pair of end caps for a vehicle cover. The pair comprises a lefthand and a righthand end cap, the end caps being mirror images of one another. More specifically, the end caps are configured to close off ends of a cover for a roller shutter for a vehicle. The shutter operatively closes over a load bin of a truck or bakkie. Each end cap has a roughly L-shaped profile when seen in top view and has an inclined portion joined to an elongate planar portion. A lug with a countersunk mounting hole protrudes away from an inner surface of the inclined portion and operatively mates with a profiled side rail. An operatively inner side of the end cap defines a recessed seat for receiving a profiled end of the vehicle cover. Two holes for receiving mounting screws are provided laterally through each end cap.

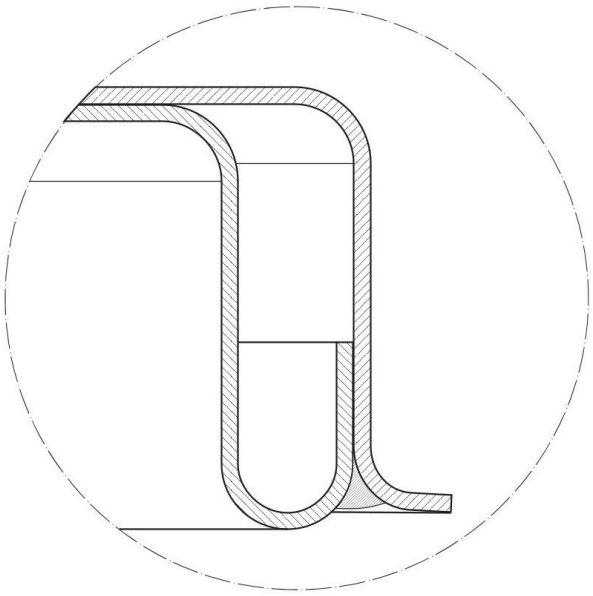


21: A2024/01373 22: 2024-12-19 23:
43: 2024-12-19
52: Class 13 24: Part A
71: CHICK, Graham Leslie
54: Electrical socket outlets and adapters
57: The design is for an electrical socket outlet. The features of the design are illustrated in the electrical socket outlet. It is the overall design of the electrical socket outlet that is claimed.



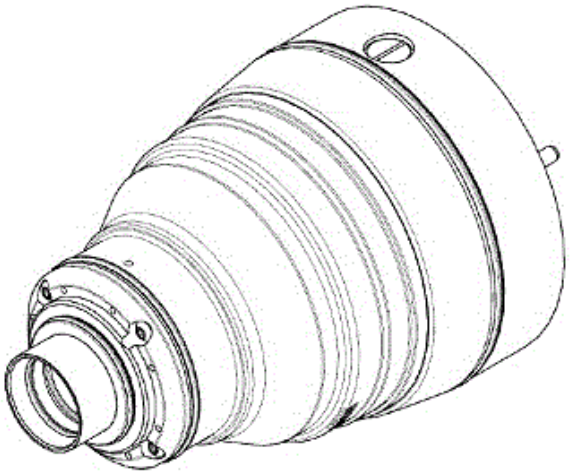
Three-dimensional view in a rest configuration

21: A2025/00409 22: 2025-04-14 23:
43: 2025-11-13
52: Class 25 24: Part A
71: HOLFELD, Barry Graeme
54: INFLATABLE PRELOAD DEVICE
57: The design is applied to a pot-shaped inflatable preload device for use on a mine support prop. The device is made by welding together two formed sheets of metal which have spaced apart sidewalls. An inner sidewall of a second sheet is curved outwardly with a return flange that fits closely into an outer sidewall of a first sheet. The outer sidewall is bent to provide a circumferential lip that extends outwardly with a region at a base of the lip welded adjacent and/or along the return flange.



ENLARGED CROSS-SECTIONAL VIEW ON A-A

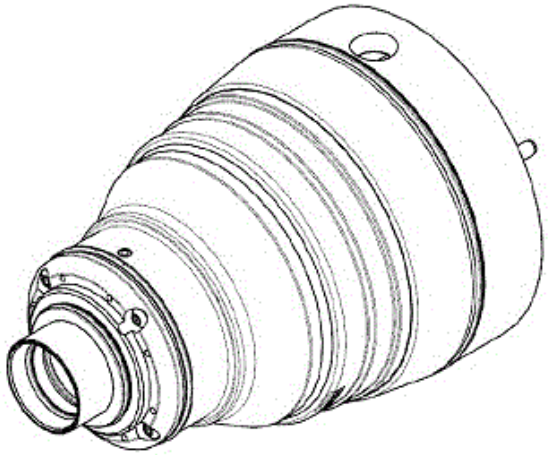
21: A2025/00467 22: 2025-05-02 23:
43: 2025-12-09
52: Class 15. 24: Part A
71: DÜRR SYSTEMS AG
33: EM 31: 015082478-0001 32: 2024-11-20
54: Housing for a Rotary Atomizer
57: The design relates to a housing for a rotary atomizer. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2025/00468 22: 2025-05-02 23:

43: 2025-12-09
52: Class 15. 24: Part A
71: DÜRR SYSTEMS AG
33: EM 31: 015082478-0002 32: 2024-11-20
54: Housing for a Rotary Atomizer
57: The design relates to a housing for a rotary atomizer. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2025/00469 22: 2025-05-02 23:
43: 2025-12-11
52: Class 07 24: Part A
71: Zonke
54: OVAL-CYCLINDRIC 2-SLICE TOASTER
57: The design features for which protection is claimed include the external shape, configuration, and surface ornamentation of the Memulo 2-slice toaster. Key features include: 1. A sleek, compact rectangular body with rounded edges. 2. Two evenly spaced top-loading slots. 3. A front-facing digital touchscreen panel. 4. A smooth, minimalist surface with modern styling. 5. Distinctive proportions and layout designed for aesthetic appeal. No protection is sought for the internal workings or functional parts of the toaster.



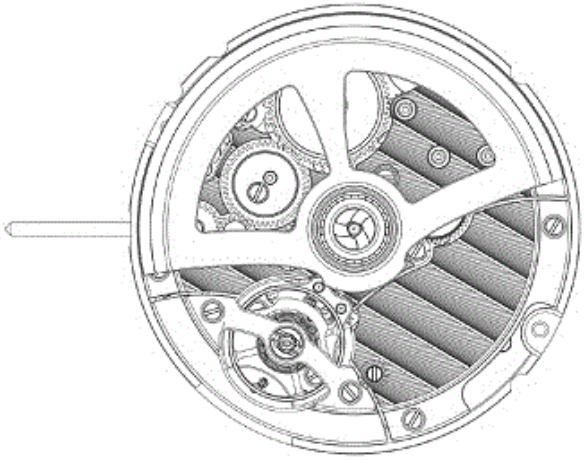
21: A2025/00471 22: 2025-05-05 23:
43: 2025-12-11
52: Class 31 24: Part A
71: Zonke
54: KANGAROO POCKET DESIGN REFRIGERATOR
57: The features of the design for which protection is claimed include: 1. The integrated front-facing “kangaroo pocket” compartment recessed into the refrigerator door. 2. The curved outer lip of the pocket that provides both functional access and aesthetic definition. 3. The seamless, flush-fit integration of the pocket into the overall front panel of the refrigerator. 4. The concealed, ergonomic handle recess located on the pocket for intuitive access. 5. The generally rectangular shape of the refrigerator with softened corners and a smooth front surface that visually unifies the pocket with the main body. 6. The combination of functional accessibility and a clean, minimalist external appearance.



21: A2025/00472 22: 2025-05-05 23:
43: 2025-12-11
52: Class 31 24: Part A
71: Zonke
54: OVAL ELECTRIC-KETTLE
57: The features of the design for which protection is claimed include: 1. The vertically oriented cylindrical body with a smooth taper toward the top and base. 2. The cascading, continuous parametric lines that flow down the sides and over the lid. 3. The seamless integration of a pull tab on the lid, shaped to follow the curvature of the top surface. 4. The minimal, ergonomically curved handle that maintains visual balance with the body. 5. The overall sculptural and flowing appearance of the kettle.



21: A2025/00473 22: 2025-05-05 23:
43: 2025-12-10
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2024-00536 32: 2024-11-07
54: Watch Movement
57: The design relates to a watch movement. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



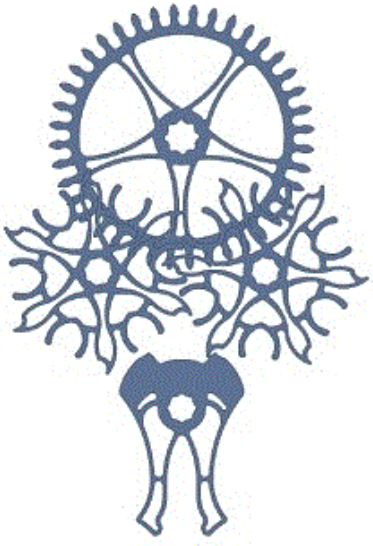
FRONT VIEW

21: A2025/00474 22: 2025-05-05 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2024-00535 32: 2024-11-07
54: Timepiece Escapement
57: The design relates to a timepiece escapement. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

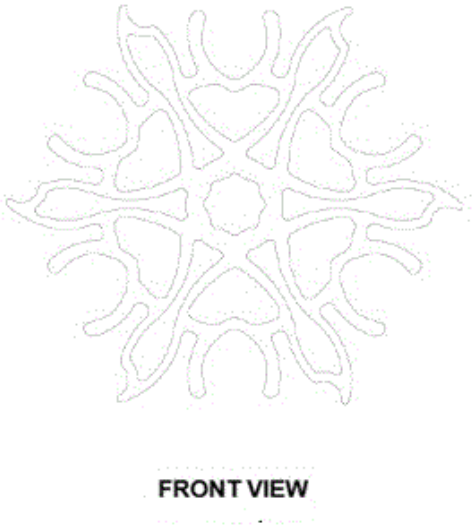
21: A2025/00475 22: 2025-05-05 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2024-00535 32: 2024-11-07
54: Timepiece Escapement
57: The design relates to a timepiece escapement. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



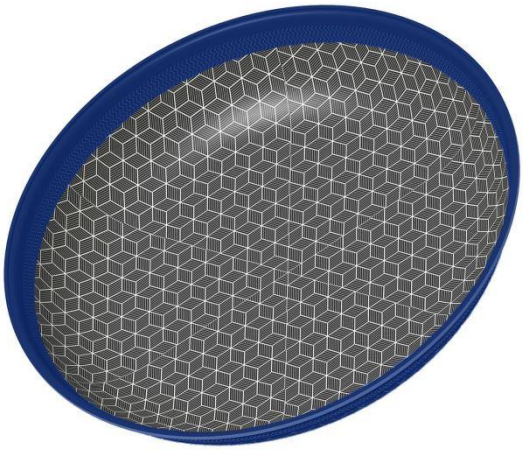
FRONT VIEW

21: A2025/00476 22: 2025-05-05 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: ROLEX SA

33: CH 31: 2024-00535 32: 2024-11-07
54: Escapement Wheel
57: The design relates to an escapement wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



21: A2025/00477 22: 2025-05-05 23:
43: 2025-12-11
52: Class 07 24: Part A
71: JIANGMEN YISHAN METAL PRODUCTS CO., LTD., BLACKCUBE CO., LTD
33: CN 31: 202430827708.9 32: 2024-12-26
54: COOKING POT
57: The design is applied to a cooking pot. The features of the design for which protection is claimed are for the shape and/or pattern and/or ornamentation of the cooking pot, substantially as illustrated in the accompanying representation. Features highlighted in blue shading do not form part of the design and are disclaimed.



21: A2025/00479 22: 2025-05-06 23:
43: 2024-11-11
52: Class 08 24: Part A
71: HAMMAR, Lars
33: EM(SE) 31: 015079957-0002 32: 2024-11-11
54: CLAMPS
57: The design is for a clamp for attaching a plate or other object to an overhead power cable or other elongated structure. The clamp comprises a coupling to which two opposing jaws are pivotally mounted. The jaws are configured to grip the overhead power cable between two lateral clamping surfaces. Each jaw has upper and lower inwardly and obliquely angled projections, which projections are offset with the projections of the opposing jaw. The jaws are urged closed by springs on either side and are openable by urging apart the jaws using outwardly pointed pull rings defined on upper lateral edges.

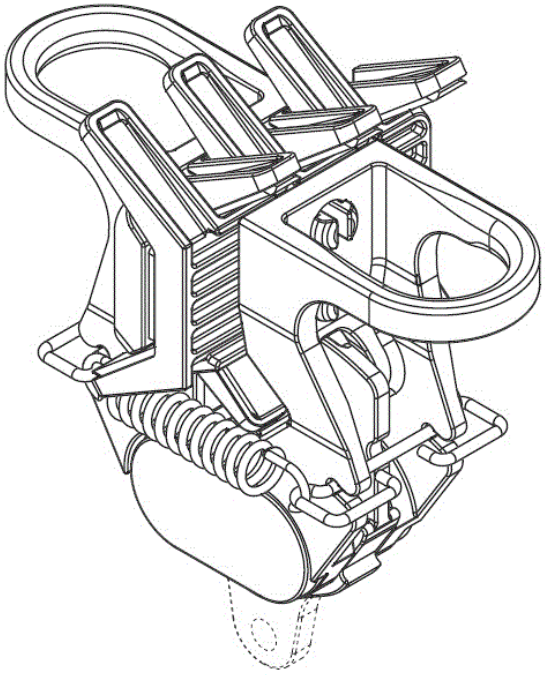
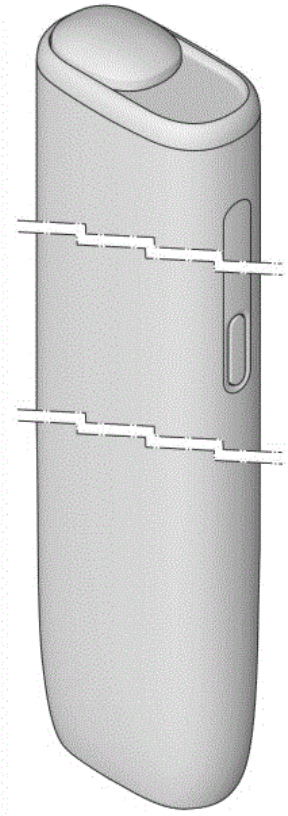


Figure 1
First three-dimensional view
in a closed configuration

21: A2025/00480 22: 2025-05-07 23:
43: 2025-12-09
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015079742-0012 32: 2024-11-08
54: AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE
57: The design is to be applied to an aerosol generating device, in particular tobacco heating device. The features for which protection is claimed are those of shape and/or configuration, 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 and the grey scale shadings in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish. The jagged parallel broken separation lines are also for illustrative purposes only and are not claimed and indicate that the design in not limited to a precise length but covers various lengths at these positions.



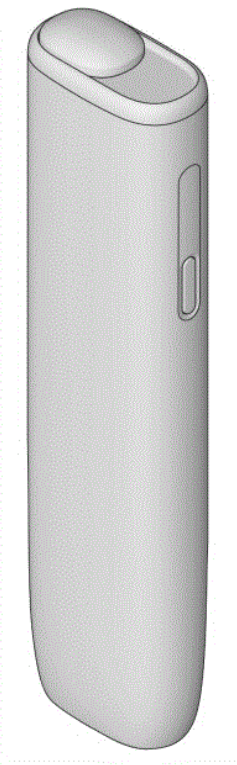
PERSPECTIVE VIEW

21: A2025/00481 22: 2025-05-07 23:
43: 2025-12-09
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015079742-0013 32: 2024-11-08
54: AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE
57: The design is to be applied to an aerosol generating device, in particular tobacco heating device. The features for which protection is claimed are those of shape and/or configuration, 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 and the grey scale shadings in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



PERSPECTIVE VIEW

21: A2025/00482 22: 2025-05-07 23:
43: 2025-12-09
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015079742-0014 32: 2024-11-08
54: AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE
57: The design is to be applied to an aerosol generating device, in particular tobacco heating device. The features for which protection is claimed are those of shape and/or configuration, 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 and the grey scale shadings in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



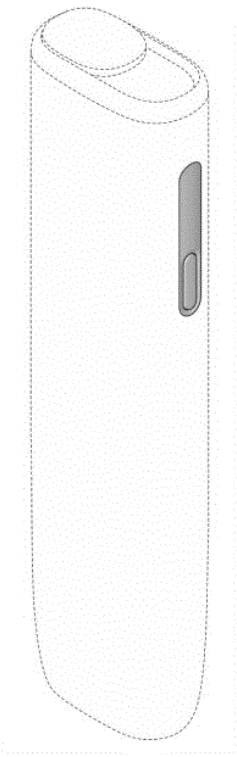
PERSPECTIVE VIEW

21: A2025/00483 22: 2025-05-07 23:
43: 2025-12-09
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015079742-0015 32: 2024-11-08
54: AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE
57: The design is to be applied to an aerosol generating device, in particular tobacco heating device. The features for which protection is claimed are those of shape and/or configuration, 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 and the grey scale shadings in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



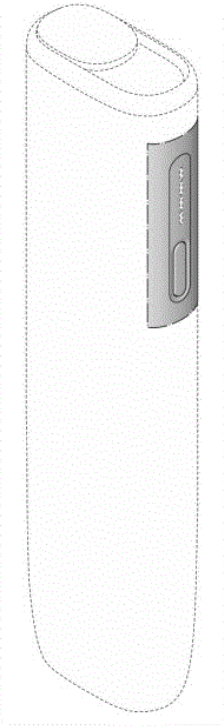
PERSPECTIVE VIEW

21: A2025/00484 22: 2025-05-07 23:
43: 2025-12-09
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015079742-0016 32: 2024-11-08
54: AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE
57: The design is to be applied to an aerosol generating device, in particular tobacco heating device. The features for which protection is claimed are those of shape and/or configuration, 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 and the grey scale shadings in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



PERSPECTIVE VIEW

21: A2025/00485 22: 2025-05-07 23:
43: 2025-12-09
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015079742-0017 32: 2024-11-08
54: AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE
57: The design is to be applied to an aerosol generating device, in particular tobacco heating device. The features for which protection is claimed are those of shape and/or configuration, 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 and the grey scale shadings in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish. The dash-dot-dash lines are disclaimed and only indicate boundary between claimed and disclaimed parts.



PERSPECTIVE VIEW

21: A2025/00486 22: 2025-05-07 23:
43: 2024-12-20
52: Class 19 24: Part A
71: STAEDTLER SE
33: EM(DE) 31: 015086051-0001 32: 2024-12-20
54: PENCILS
57: The design is for a pencil. The body of the pencil has a flattened convex top, a cross-sectional profile of the body being mainly circular but for the flattened top. The surface of the top has a contrasting colour relative to the remainder of the body. The front portion of the top has a pattern looking like a perforated overlay that stretches across around 1/3 of the pencil length. The bottom sides have a longitudinally-extending stripe each, the stripes and the perforated overlay pattern being of a contrasting colour relative to the remainder of the body.

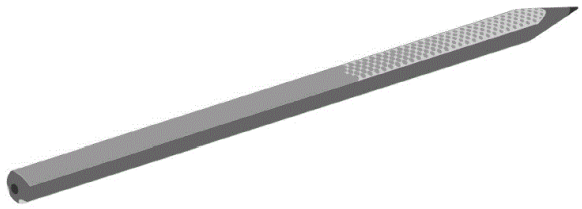


Figure 1

Three-dimensional view

21: A2025/00487 22: 2025-05-07 23:
43: 2024-12-20
52: Class 19 24: Part A
71: STAEDTLER SE
33: EM(DE) 31: 015086051-0005 32: 2024-12-20
54: PENCILS
57: The design is for a pencil. A body of the pencil has a flattened convex top, a cross-sectional profile of the body being mainly circular but for the flattened top. The front portion of the top has a dotted pattern, reminiscent of Ben Day dots, that stretches across around 1/3 of the pencil length. The dotted pattern being of a contrasting colour relative to the surface of the top. The bottom sides have a longitudinally-extending stripe each, the stripes and the surface of the top being of a contrasting colour relative to the remainder of the body.

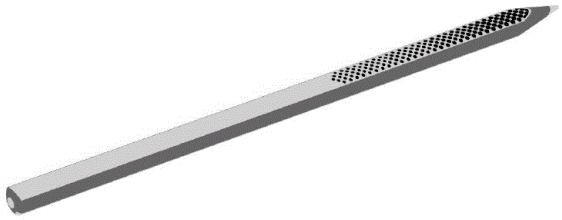


Figure 1

Three-dimensional view

21: A2025/00488 22: 2025-05-07 23:
43: 2024-12-20
52: Class 19 24: Part A
71: STAEDTLER SE
33: EM(DE) 31: 015086051-0009 32: 2024-12-20
54: PENCILS
57: The design is for a pencil. A body of the pencil has a flattened convex top, a cross-sectional profile of the body being mainly circular but for the flattened top. Bottom sides have a longitudinally-extending stripe each, the stripes and top being of a different, demarcated sections relative to a remainder of the body.

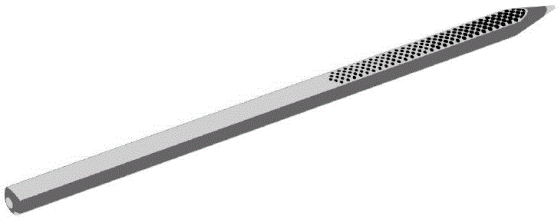
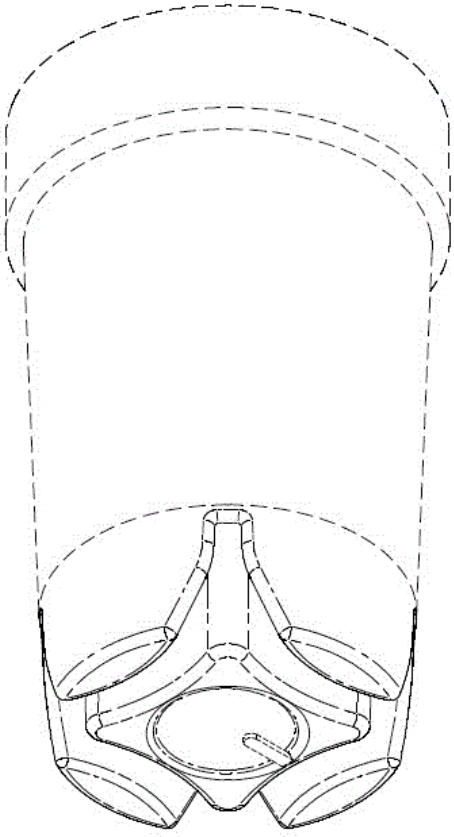


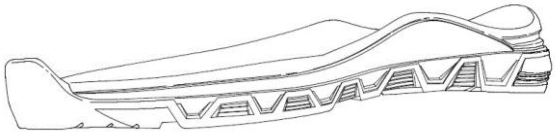
Figure 1

Three-dimensional view

21: A2025/00489 22: 2025-05-07 23:
43: 2025-05-07
52: Class 7 24: Part A
71: Schaldor Plastics CC
54: Drinking Cups
57: The design is applied to a drinking cup as shown in the accompanying drawings. The drinking cup has formations at a lower end region thereof providing for engagement and stacking of the drinking cup on a curved upper rim of another drinking cup, wherein the rim has a complementary configuration.

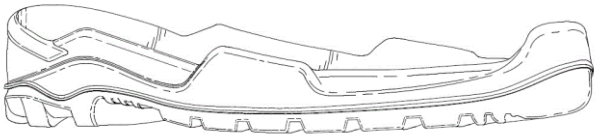


21: A2025/00492 22: 2025-05-08 23:
43: 2025-05-08
52: Class 2 24: Part A
71: ZUG LIMITED
54: SHOE SOLE
57: The design is applied to a sole for a shoe. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern and/or ornamentation of a shoe sole, substantially as illustrated in the accompanying representations.



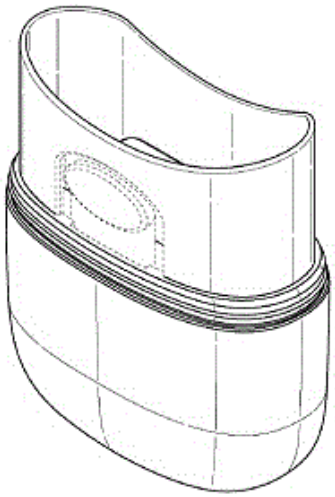
Three-dimensional view

21: A2025/00493 22: 2025-05-08 23:
43: 2025-05-08
52: Class 2 24: Part A
71: ZUG LIMITED
54: SHOE SOLE
57: The design is applied to a sole for a shoe. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern and/or ornamentation of a shoe sole, substantially as illustrated in the accompanying representations.



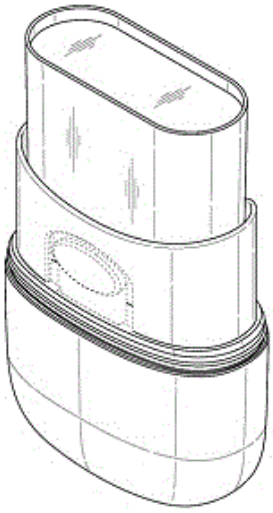
Three-dimensional view

21: A2025/00495 22: 2025-05-09 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: GB 31: 6403855 32: 2024-11-12
54: Refillable Cosmetic Stick Holder
57: The design relates to a refillable cosmetic stick holder. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2025/00496 22: 2025-05-09 23:
43: 2025-12-10
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: GB 31: 6403854 32: 2024-11-12
54: Refillable Cosmetic Stick Holder
57: The design relates to a refillable cosmetic stick holder. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2025/00498 22: 2025-05-12 23:
43: 2024-12-05
52: Class 9 24: Part A
71: cosnova GmbH
33: EM(DE) 31: 015084293-0001 32: 2024-12-05

54: NAIL POLISH CONTAINERS
57: The design is for a nail polish container. A body of the container is cuboid-shaped with two embossed side faces and defines an inner concave recess which opens slightly upwards. A lid is provided atop the body. The closure has a cylindrical profile and includes two wavy contours extending from bottom to top edges. The top of the closure is embossed with two stylised letters “C” and “A”.



Figure 1

Three-dimensional view

21: A2025/00502 22: 2025-05-13 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: BLANCPAIN SA
33: IB 31: 156606 32: 2024-12-03
54: Watch
57: The design relates to a watch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2025/00503 22: 2025-05-13 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: BLANCPAIN SA
33: IB 31: 156606 32: 2024-12-03
54: Watch
57: The design relates to a watch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2025/00504 22: 2025-05-13 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: BLANCPAIN SA
33: IB 31: 156606 32: 2024-12-03
54: Watch
57: The design relates to a watch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



REAR VIEW

21: A2025/00505 22: 2025-05-13 23:
43: 2024-11-14
52: Class 03 24: Part A
71: YETI Coolers, LLC
33: US 31: 29/973,252 32: 2024-11-14
54: BACKPACKS
57: The design is for a backpack having trapezoidal shaped pockets on left and right sides and a bottom panel which extends around and upwardly along the left and right sides forming a triangular shape below each trapezoidal pocket.

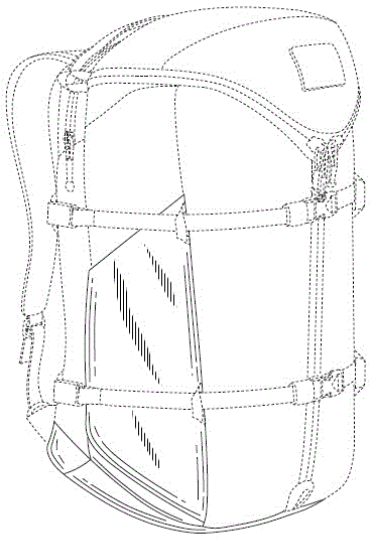


Figure 1
Three-dimensional view

21: A2025/00506 22: 2025-05-13 23:
43: 2024-11-14
52: Class 3 24: Part A
71: YETI Coolers, LLC
33: US 31: 29/973,251 32: 2024-11-14
54: BACKPACKS
57: The design is for a backpack having trapezoidal shaped pockets on left and right sides and a bottom panel which extends around and upwardly along the left and right sides forming a triangular shape below each trapezoidal pocket.

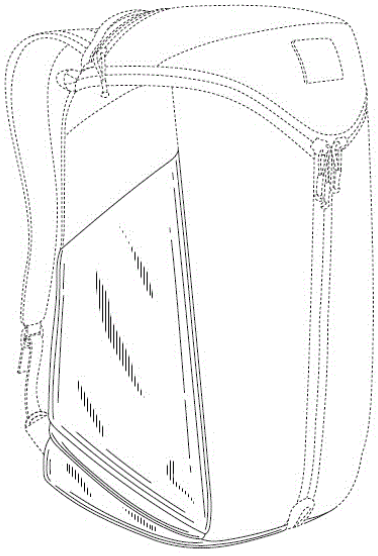


Figure 1
Three-dimensional view

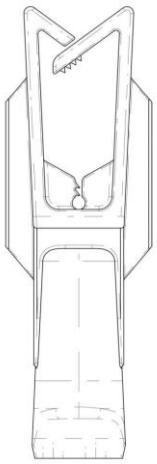
21: A2025/00507 22: 2025-05-13 23:
43: 2025-03-11
52: Class 09 24: Part A
71: Beaute Prestige International
33: EM 31: 015080279-0003 32: 2025-03-11
54: BOTTLES
57: The design is for a bottle comprising a flask and a cap for the flask. The flask is rectangular and comprises transparent, colourless glass, with an irregular pattern. Furthermore, the flask is unscrewable and refillable. The cap is rectangular and comprises transparent, colourless surlyn, also with an irregular pattern.



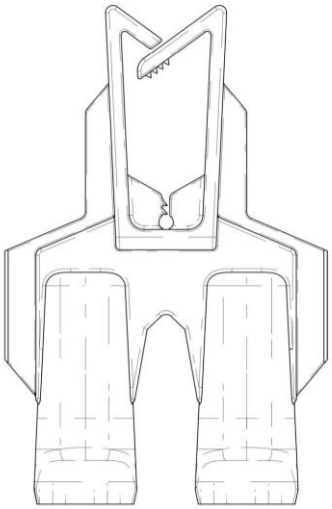
Figure 1

Three-dimensional view

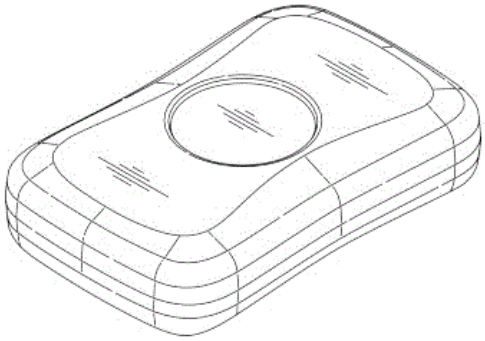
21: A2025/00535 22: 2025-05-16 23:
43: 2025-12-11
52: Class 28 24: Part A
71: BEDOUKIAN RESEARCH INC.
33: US 31: 29/973,680 32: 2024-11-18
54: PASSIVE DIFFUSER DEVICE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: A2025/00537 22: 2025-05-16 23:
43: 2025-12-11
52: Class 28 24: Part A
71: BEDOUKIAN RESEARCH INC.
33: US 31: 29/973,681 32: 2024-11-18
54: PASSIVE DIFFUSER DEVICE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

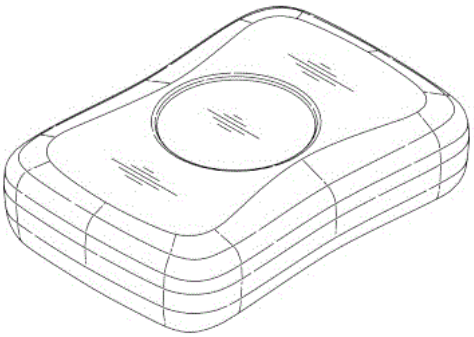


21: A2025/00539 22: 2025-05-19 23:
43: 2025-12-09
52: Class 28 24: Part A
71: RECKITT BENCKISER HEALTH LIMITED
33: GB 31: 6407131 32: 2024-11-25
54: SOAP
57: The design is to be applied to a soap. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations.



FRONT PERSPECTIVE VIEW
FROM TOP AND LEFT SIDE

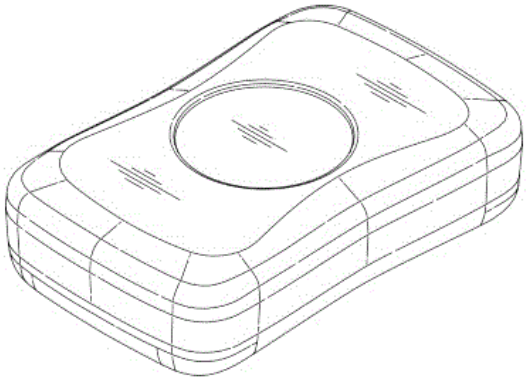
21: A2025/00540 22: 2025-05-19 23:
43: 2025-12-09
52: Class 28 24: Part A
71: RECKITT BENCKISER HEALTH LIMITED
33: GB 31: 6407132 32: 2024-11-25
54: SOAP
57: The design is to be applied to a soap. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations.



FRONT PERSPECTIVE VIEW
FROM TOP AND LEFT SIDE

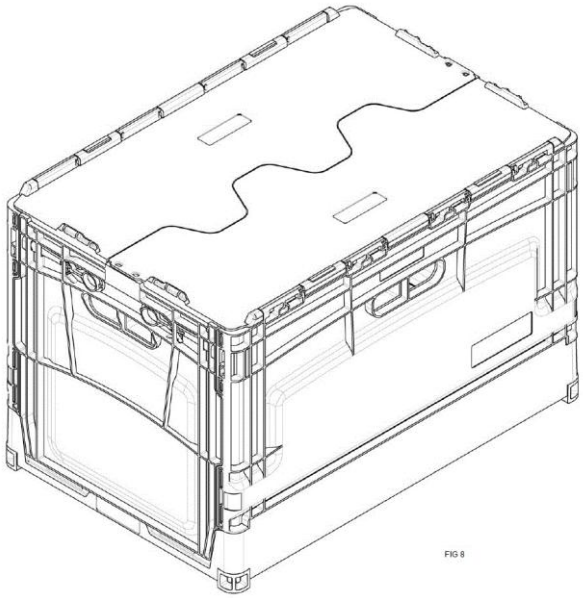
21: A2025/00541 22: 2025-05-19 23:
43: 2025-12-09
52: Class 28 24: Part A
71: RECKITT BENCKISER HEALTH LIMITED
33: GB 31: 6407133 32: 2024-11-25
54: SOAP
57: The design is to be applied to a soap. The features for which protection is claimed are those of

shape and/or configuration, substantially as shown in the representations.



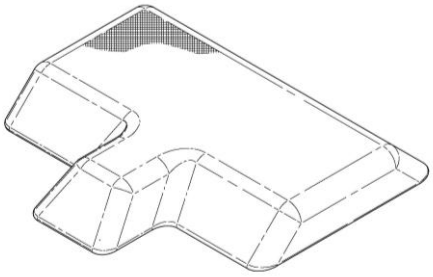
FRONT PERSPECTIVE VIEW
FROM TOP AND LEFT SIDE

21: A2025/00545 22: 2025-05-20 23:
43: 2025-12-09
52: Class 9 24: Part A
71: SCHOELLER ALLIBERT GMBH
54: FOLDABLE SMALL CONTAINER
57: The representation shows an isometric view of a foldable container in an operative, unfolded condition showing the overall appearance thereof.



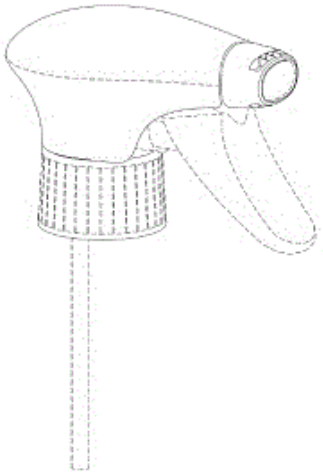
21: A2025/00570 22: 2025-05-22 23:
43: 2025-05-22
52: Class 21 24: Part A
71: Lionalign (Pty) Ltd

54: Gymnasium Equipment
57: This design is for gymnasium equipment, in the form of a pad for exercise equipment, substantially as shown in the representations. The pad comprises a body extending from a base, wherein the body is slab-like and comprises a main body portion and a support protrusion projecting from the main body portion.



Three-dimensional view

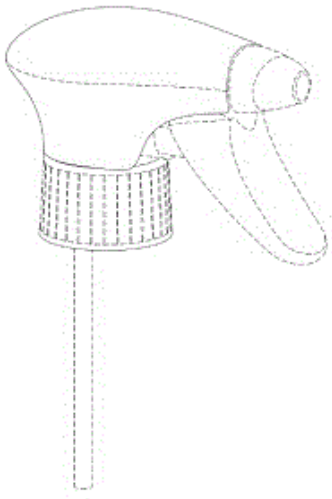
21: A2025/00573 22: 2025-05-23 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: DISPENSING TECHNOLOGIES B.V.
33: EM 31: 15083233-0002 32: 2024-11-26
54: Spraying Head
57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

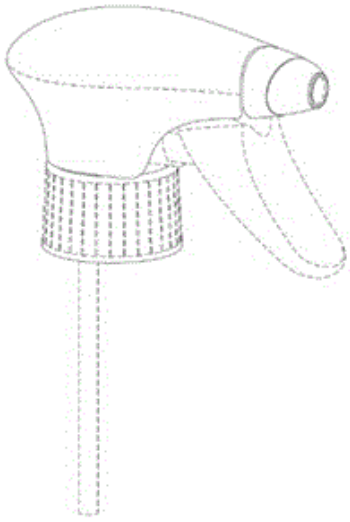
21: A2025/00574 22: 2025-05-23 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: DISPENSING TECHNOLOGIES B.V.
33: EM 31: 15083233-0001 32: 2024-11-26

54: Spraying Head
57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or ornamentation.



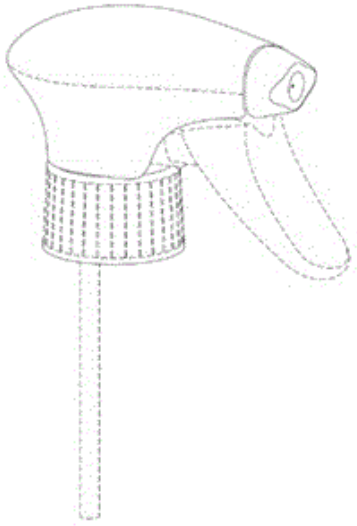
FRONT PERSPECTIVE VIEW

21: A2025/00575 22: 2025-05-23 23:
43: 2025-12-10
52: Class 9. 24: Part A
71: DISPENSING TECHNOLOGIES B.V.
33: EM 31: 15083233-0003 32: 2024-11-26
54: Spraying Head
57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2025/00576 22: 2025-05-23 23:
43: 2025-12-09
52: Class 9. 24: Part A
71: DISPENSING TECHNOLOGIES B.V.
33: EM 31: 15083233-0004 32: 2024-11-26
54: Spraying Head
57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2025/00577 22: 2025-05-23 23:
43: 2024-11-26
52: Class 7 24: Part A
71: Société des Produits Nestlé S.A.
33: CH 31: 148357 32: 2024-11-26
54: BEVERAGE DISPENSERS
57: The design is for a beverage dispenser. The dispenser has a body comprising a base and a lid pivotally mounted to the base at a rear, the lid being substantially rectangularly shaped with a curved latch at a front. The lid comprises a webbed radiating structure at a top. The latch projects downwardly and curves inwardly to a complementary receiving formation of the base. The front comprises oval impressions on either side of the latch. Sides of the lid have upright ridges at a rear. The receiving portion of the base has curved ridges. The base comprises a downwardly extending dome formation tapering to a central tip or nozzle.

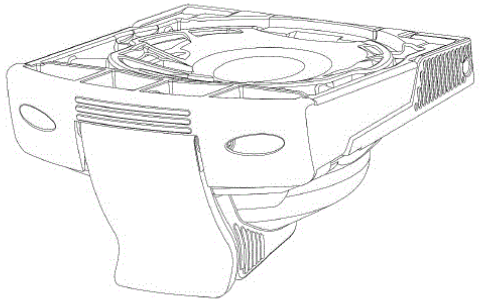
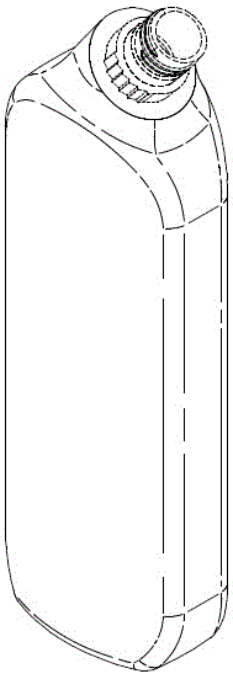


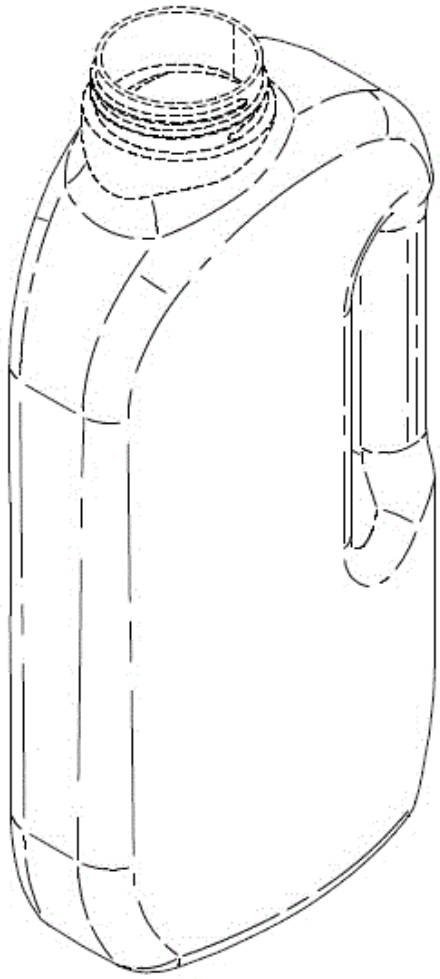
Figure 1
Three-dimensional view in a closed configuration

21: A2025/00578 22: 2025-05-23 23:
43: 2025-05-23
52: Class 9 24: Part A
71: WOOLWORTHS PROPRIETARY LIMITED
54: Containers
57: The design is applied to a container in the form of a bottle having a generally rectangular body section when seen in side view and an upstanding neck section disposed at an upper end of the body section. The body section has a pair of opposite planar major sides having domed upper end regions and outwardly curved lower corner regions terminating in a generally flat base. The neck section has a generally flat upper surface which is slanted to one side of the bottle.



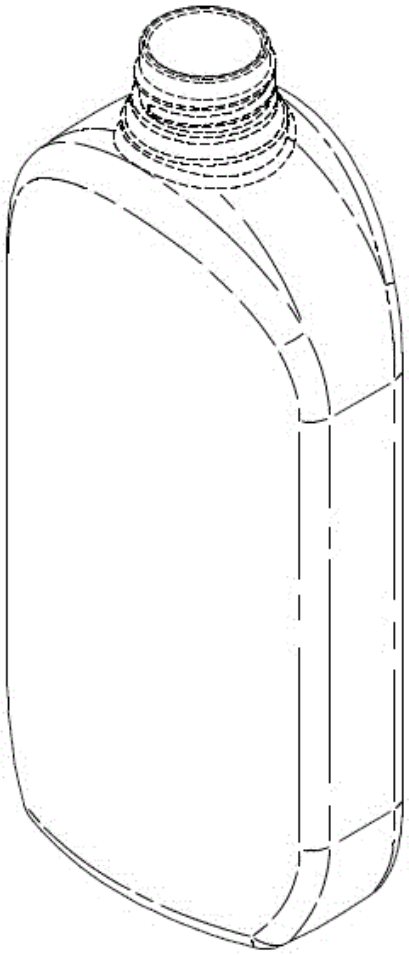
Three-dimensional view

21: A2025/00579 22: 2025-05-23 23:
43: 2025-05-23
52: Class 9 24: Part A
71: WOOLWORTHS PROPRIETARY LIMITED
54: Containers
57: The design is applied to a container in the form of a bottle having a generally rectangular body section when seen in side view and an upstanding neck section disposed at an upper end of the body section, offset to one side of the bottle. The body section has a pair of opposite planar major sides having domed upper end regions and outwardly curved lower corner regions terminating in a generally flat base. An elongate, vertically-extending aperture defining a handle by which the bottle may be carried, is defined in the major sides at one side of the bottle. The neck section is generally cylindrical in shape.



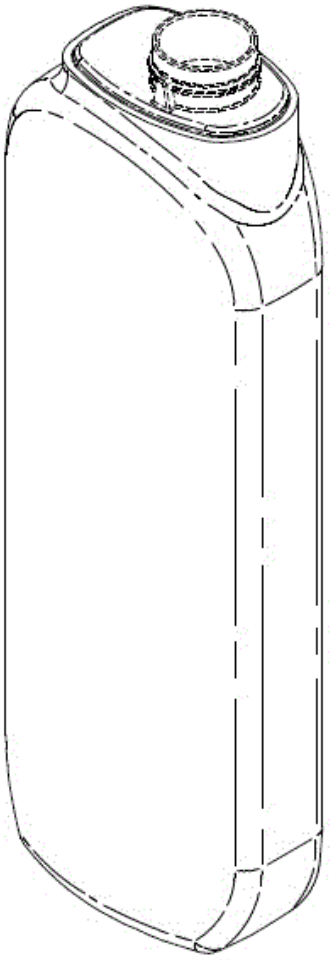
Three-dimensional view

21: A2025/00580 22: 2025-05-23 23:
43: 2025-05-23
52: Class 9 24: Part A
71: WOOLWORTHS PROPRIETARY LIMITED
54: Containers
57: The design is applied to a container in the form of a bottle having a generally rectangular body section when seen in side view and an upstanding neck section disposed centrally at an upper end of the body section. The body section has a pair of opposite planar major sides having domed upper end regions and outwardly curved lower corner regions terminating in a generally flat base. The neck section is generally cylindrical in shape.



Three-dimensional view

21: A2025/00581 22: 2025-05-23 23:
43: 2025-05-23
52: Class 9 24: Part A
71: WOOLWORTHS PROPRIETARY LIMITED
54: Containers
57: The design is applied to a container in the form of a bottle having a generally rectangular body section when seen in side view and an upstanding neck section disposed at an upper end of the body section, offset to one side of the bottle. The body section has a pair of opposite planar major sides having domed upper end regions and outwardly curved lower corner regions terminating in a generally flat base. The neck section has a generally flat upper surface and a generally oval shape when viewed in top plan view with one end portion of the neck section relatively wider than an opposite end portion.



Three-dimensional view

21: A2025/00582 22: 2025-05-23 23:
43: 2025-05-23
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a mat for a vehicle. More specifically, the mat is shaped and configured to fit and substantially cover a cabin floor of a specific agricultural vehicle. The mat is generally planar with a raised outer periphery toward a front of the mat. The mat has a roughly D-shaped outer profile with a prominent, upwardly and outwardly inclined frontal portion. A raised circular formation is provided adjacent to the inclined frontal portion. The mat includes U-shaped cut-outs which flank the inclined frontal portion. The mat is asymmetrical about a midline with a right rear portion extending further than an opposing left rear portion. A planar central region of the mat has a series of parallel ribs.



21: A2025/00583 22: 2025-05-23 23:
43: 2025-02-03
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a mat for a vehicle. More specifically, the mat is shaped and configured to fit and substantially cover a cabin floor of a specific agricultural vehicle. The mat is generally planar with a raised outer periphery toward a rear of the mat and a stepped profile toward a front. The mat has a roughly D-shaped outer profile with a raised finger-like cut-out formed centrally along a front edge. A raised circular formation is provided on one side of the finger-like cut-out whilst a smaller cut-out is provided on the opposite side of the finger-like cut-out. A planar central region of the mat has a series of parallel ribs.



21: A2025/00584 22: 2025-05-23 23:
43: 2024-12-02
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect

a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00586 22: 2025-05-23 23:
43: 2025-01-06
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00587 22: 2025-05-23 23:
43: 2024-12-02
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00588 22: 2025-05-23 23:
43: 2024-12-02
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00589 22: 2025-05-23 23:
43: 2024-12-02
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00591 22: 2025-05-23 23:
43: 2025-05-23
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a mat for a vehicle. More specifically, the mat is shaped and configured to fit and substantially cover a cabin floor of a specific agricultural vehicle. The mat is generally planar with a marginally raised outer periphery. The mat has a roughly D-shaped outer profile when seen in plan view. A rear edge of the mat defines a large U-shaped cut-out in a middle. A curved front edge has a roughly thumb-shaped cut-out centrally disposed and adjacent thereto, a P-shaped cut-out of smaller dimensions. The mat further has a pair of peripherally disposed U-shaped cut-outs at opposing ends. A planar central region of the mat has a series of parallel ribs.



21: A2025/00592 22: 2025-05-23 23:
43: 2025-03-03
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a mat for a vehicle. More specifically, the mat is shaped and configured to fit and substantially cover a cabin floor of a specific agricultural vehicle. The mat is generally planar with a raised outer periphery toward a rear of the mat. The rear raised periphery of the mat comprises a straight middle section which is flanked by two arch-like curved sections. The mat has a plurality of cut-outs formed along a front edge. The front edge flare upwards marginally towards its opposing ends. A planar central region of the mat has a series of parallel ribs.



21: A2025/00593 22: 2025-05-23 23:
43: 2024-12-02

52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00594 22: 2025-05-23 23:
43: 2024-12-02
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.



21: A2025/00595 22: 2025-05-23 23:
43: 2025-03-03
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a mat for a vehicle. More specifically, the mat is shaped and configured to fit and substantially cover a cabin floor of a specific agricultural vehicle. The mat is generally planar with a raised outer periphery toward a rear and front of the mat. The rear raised periphery of the mat comprises a straight middle section which is flanked by dissimilar rectilinear sections. The mat has a major U-shaped cut-out formed centrally along a front edge, the cut-out being defined by a raised and forwardly inclined portion. The front and rear raised periphery define a planar section therebetween at each end of the mat. A planar central region of the mat has a series of parallel ribs.



21: A2025/00596 22: 2025-05-23 23:
43: 2025-02-03
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a mat for a vehicle. More specifically, the mat is shaped and configured to fit

and substantially cover a cabin floor of a specific agricultural vehicle. The mat is generally planar with a marginally raised outer periphery. A rear edge of the mat has a stepped profile from one end to the other end. A front edge of the mat has a major U-shaped cut-out formed centrally along the front edge, the cut-out being defined by a marginally raised and forwardly inclined portion. A minor U-shaped cut-out is provided either side of the major U-shaped cut-out on corners of the front edge. A planar central region of the mat has a series of parallel ribs.



21: A2025/00597 22: 2025-05-23 23:
43: 2025-03-03
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a mat for a vehicle. More specifically, the mat is shaped and configured to fit and substantially cover a cabin floor of a specific agricultural vehicle. The mat is generally planar with a raised outer periphery. A rear edge of the mat gives rise to a stepped profile from one end to the other. The mat has a major thumb-shaped cut-out formed centrally along a front edge, the cut-out being defined by a raised and stepped portion. Adjacent to the major cut-out, on the left, there is provided a rectangular cut-out delineated by a raised portion. Mound-like projections are formed at opposing corners of a front edge of the mat. A planar central region of the mat has a series of parallel ribs.



21: A2025/00598 22: 2025-05-23 23:
43: 2024-12-02
52: Class 6 24: Part A
71: TCC 4X4 MATS (PTY) LTD.
54: MATS FOR VEHICLES
57: The design relates to a set of mats for a vehicle. The mats are characterized in that each of the major mats of the set has a central portion which comprises a series of parallel ribs having a border which at least partially runs adjacent to and is spaced from an outer periphery of the respective mats. A remaining outer portion of the mat which surrounds the central portion has a leather-like finish or look and feel. The mats are further characterized in that they have raised portions which extend upward along sidewalls of the vehicle floor to protect a substantial portion of a vehicle interior from dirt and grime during use.

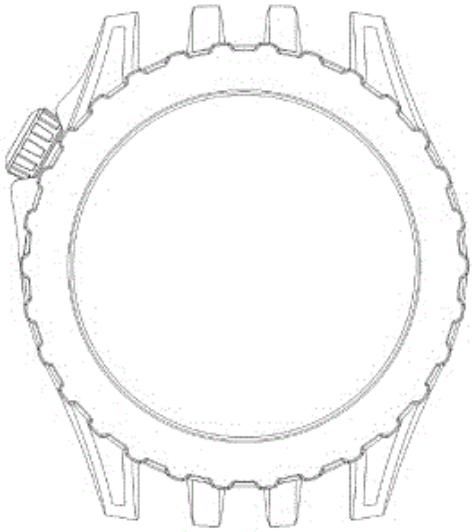


21: A2025/00601 22: 2025-05-26 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: SWATCH AG (SWATCH SA) (SWATCH LTD.)
33: IB 31: 157352 32: 2024-12-19
54: Wristwatch
57: The design relates to a wristwatch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2025/00602 22: 2025-05-26 23:
43: 2025-12-09
52: Class 10. 24: Part A
71: SWATCH AG (SWATCH SA) (SWATCH LTD.)
33: IB 31: 157216 32: 2024-12-17
54: Watch Case
57: The design relates to a watch case. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2025/00607 22: 2025-05-27 23:
43: 2024-12-16
52: Class 9 24: Part A
71: Stolle Machinery Company, LLC
33: US 31: 29/978,875 32: 2024-12-16
54: CAN ENDS
57: The design is for a can end having an end surface with a rim surrounding the surface. An ovate-shaped recess is defined in the end surface with a pull tab provided centrally in the recess. An arcuate indentation is defined at one end of the recess, corresponding to a free end of the tab.

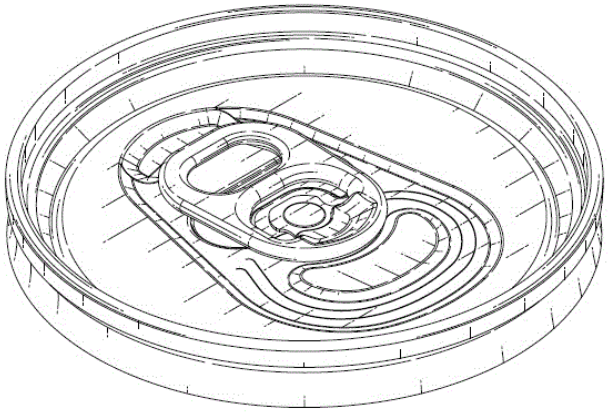


Figure 1
Three-dimensional view

21: A2025/00608 22: 2025-05-27 23:
43: 2024-12-16
52: Class 9 24: Part A
71: Stolle Machinery Company, LLC
33: US 31: 29/978,875 32: 2024-12-16
54: CAN ENDS
57: The design is for a can end having an end surface with a rim surrounding the surface. An ovate-shaped recess is defined in the end surface. An arcuate indentation is defined at one end of the recess

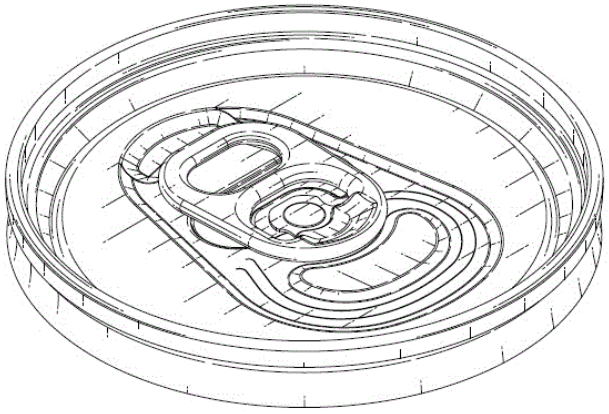
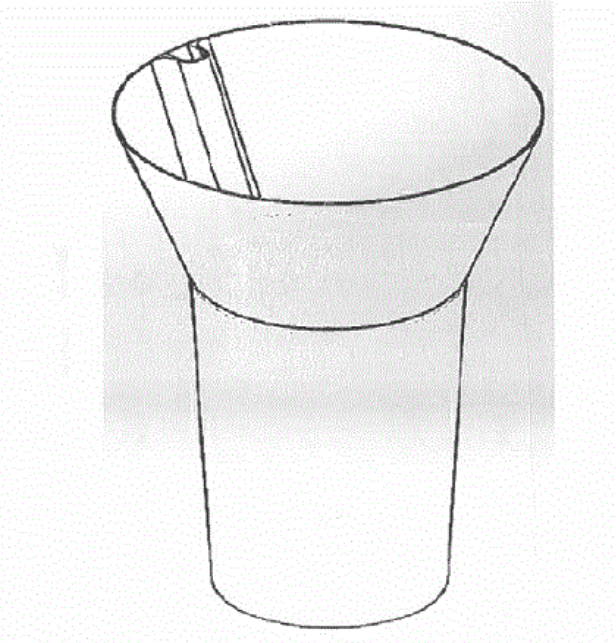


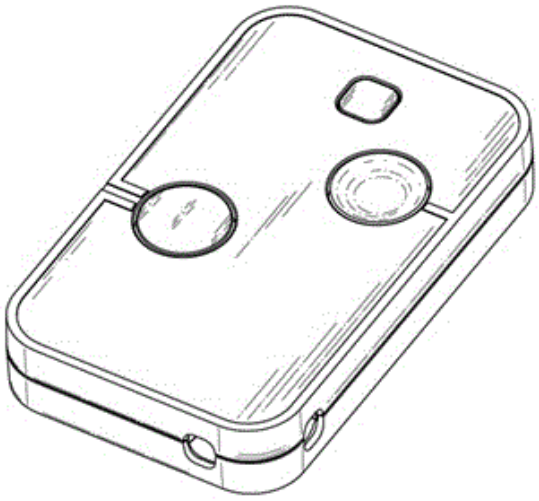
Figure 1
Three-dimensional view

21: A2025/00609 22: 2025-05-27 23:
43: 2025-12-09
52: Class 9 24: Part A

71: REZANT, Delicia
54: MULTI-FUNCTIONAL CONTAINER
57: The design is applied to a dual bowl and cup container assembly. The features of the design for which protection is claimed include the shape, pattern and/or ornamentation of the multi-functional beverage and snack container as shown in the drawings, showing the overall appearance thereof.



21: A2025/00611 22: 2025-05-27 23:
43: 2025-12-09
52: Class 14. 24: Part A
71: FAAC S.P.A.
33: EM 31: 015091452-0001 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: A2025/00614 22: 2025-05-28 23:
43: 2024-12-18
52: Class 07 24: Part A
71: Jura Elektroapparate AG
33: HSIRID(CH) 31: DM/244504 32: 2024-12-18
54: COFFEE MACHINES
57: The design is for a coffee machine. It features a narrow body with a diamond crown-shaped bean container lid positioned on top. A cup platform grid includes longitudinal ribs running from front to back aligning with the machine's slim design.

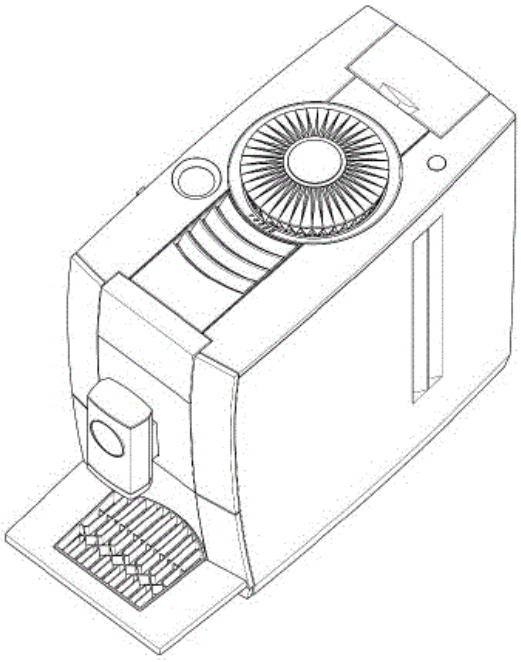


Figure 1

Three-dimensional view

21: A2025/00615 22: 2025-05-28 23:
43: 2024-12-24
52: Class 10 24: Part A
71: LVMH Swiss Manufactures SA
33: HSIRID(CH) 31: DM/244119 32: 2024-12-24
54: WATCHES
57: The design is for a watch. A side of a body of the watch defines a crown and two angular, faceted pushers either side of the crown. The body has an annular dial with a graduated tachymeter bezel with textured knurling around a peripheral side. The dial includes sub-dials located on the six, nine, and twelve o'clock positions and a window at the three o'clock position. Skeleton hour and minute hands are provided on the dial.



Figure 1

Three-dimensional view

21: A2025/00616 22: 2025-05-28 23:
43: 2024-12-18
52: Class 07 24: Part A
71: Jura Elektroapparate AG
33: HSIRID(CH) 31: DM/244504 32: 2024-12-18
54: COFFEE MACHINES
57: The design is for a coffee machine. It has a narrow with a diamond crown-shaped bean container lid positioned op top. A cup platform grid includes longitudinal ribs running front to back.

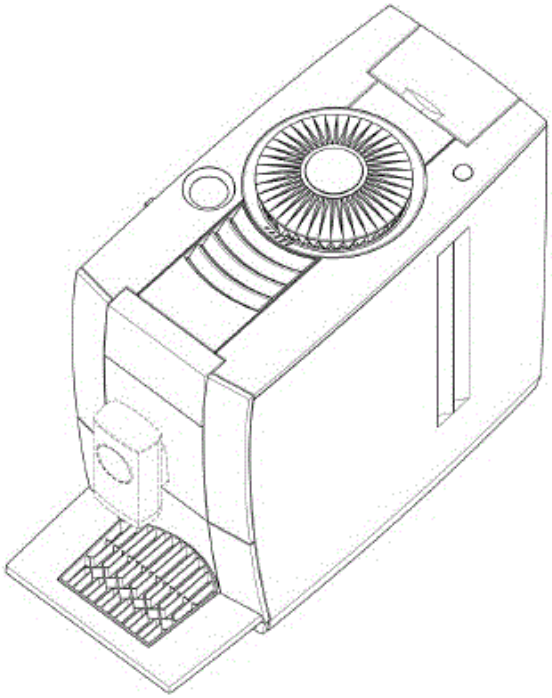
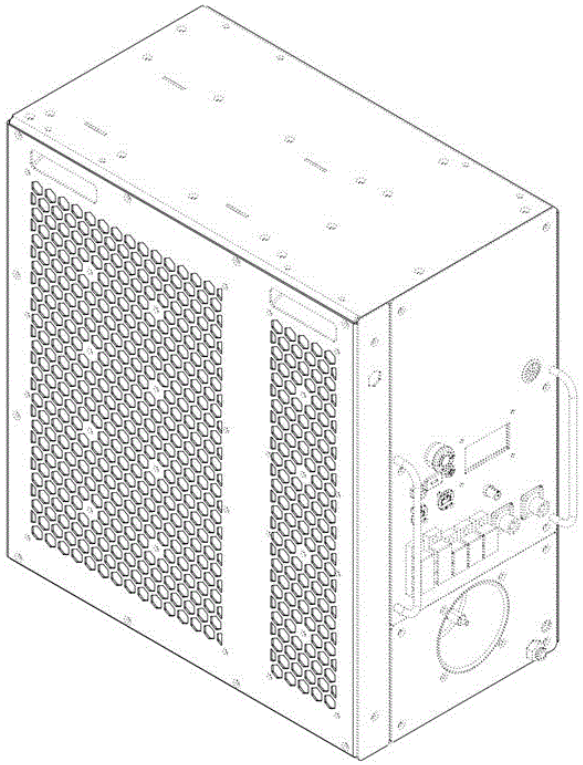


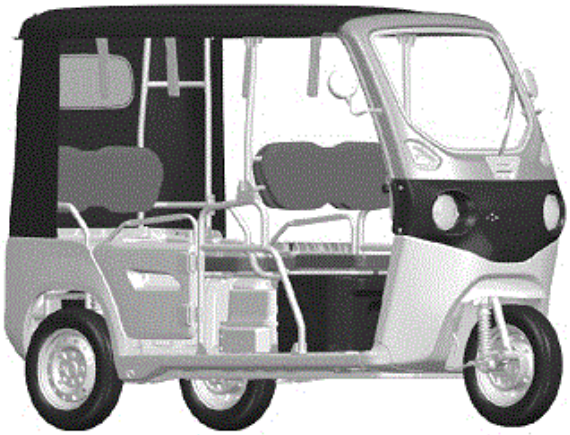
Figure 1

First three-dimensional view

21: A2025/00618 22: 2025-05-28 23:
43: 2025-12-09
52: Class 13 24: Part A
71: POWERUP FUEL CELLS OÜ
33: EM 31: 015083610-0001 32: 2024-11-29
54: FUEL CELL APPARATUS
57: The design relates to a Fuel Cell Apparatus. The features of the design are those of shape and/or configuration. Protection is not claimed for the part of the Fuel Cell Apparatus shown in dashed lines.



21: A2025/00619 22: 2025-05-28 23:
43: 2025-12-09
52: Class 12. 24: Part A
71: BAJAJ AUTO LIMITED
33: IN 31: 440542-001 32: 2024-12-13
54: Automotive Vehicle
57: The design relates to an automotive vehicle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



LEFT FRONT PERSPECTIVE VIEW

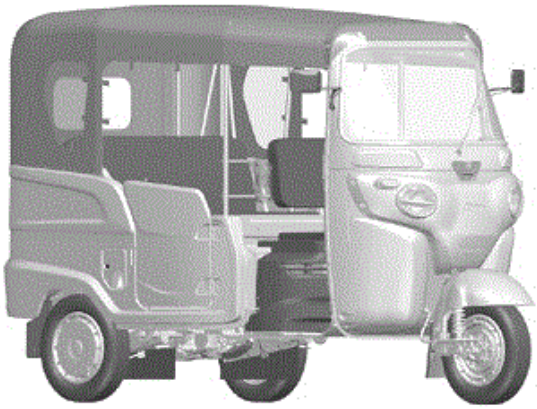
21: A2025/00620 22: 2025-05-28 23:

43: 2025-12-09
52: Class 12. 24: Part A
71: BAJAJ AUTO LIMITED
33: IN 31: 440701-001 32: 2024-12-16
54: Three Wheeled Vehicle
57: The design relates to a three wheeled vehicle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



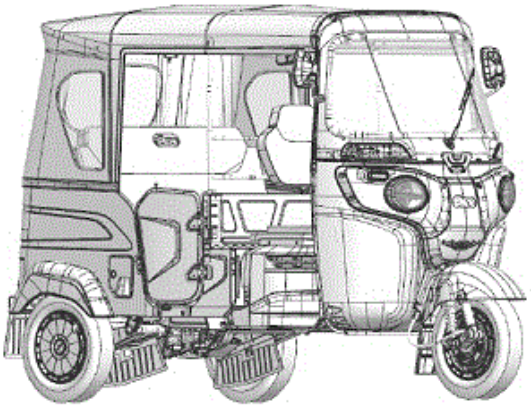
LEFT FRONT PERSPECTIVE VIEW

21: A2025/00621 22: 2025-05-28 23:
43: 2025-12-09
52: Class 12. 24: Part A
71: BAJAJ AUTO LIMITED
33: IN 31: 440749-001 32: 2024-12-16
54: Three Wheeled Vehicle
57: The design relates to a three wheeled vehicle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



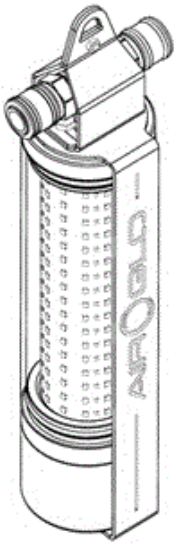
LEFT FRONT PERSPECTIVE VIEW

21: A2025/00622 22: 2025-05-28 23:
43: 2025-12-10
52: Class 12. 24: Part A
71: BAJAJ AUTO LIMITED
33: IN 31: 440750-001 32: 2024-12-16
54: Three Wheeled Vehicle
57: The design relates to a three wheeled vehicle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



LEFT FRONT PERSPECTIVE VIEW

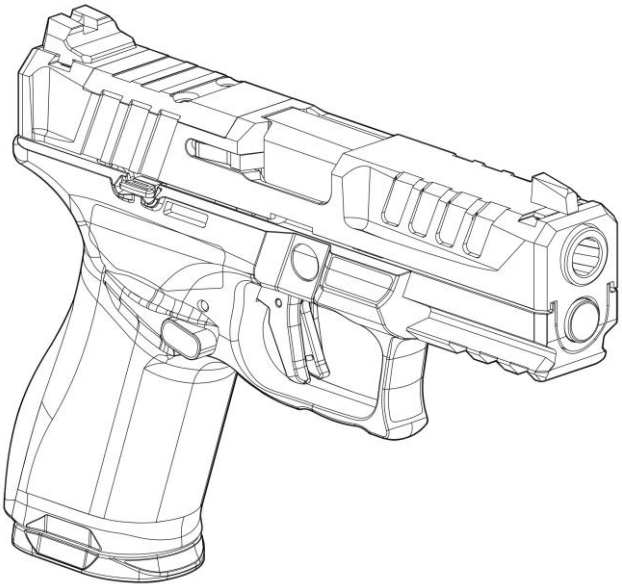
21: A2025/00628 22: 2025-05-30 23:
43: 2025-12-09
52: Class 26. 24: Part A
71: ROODT, PETRUS HENDRIK
54: Illumination Device
57: The design relates to an illumination device. The features of the design are those of shape and/or configuration and/or ornamentation.



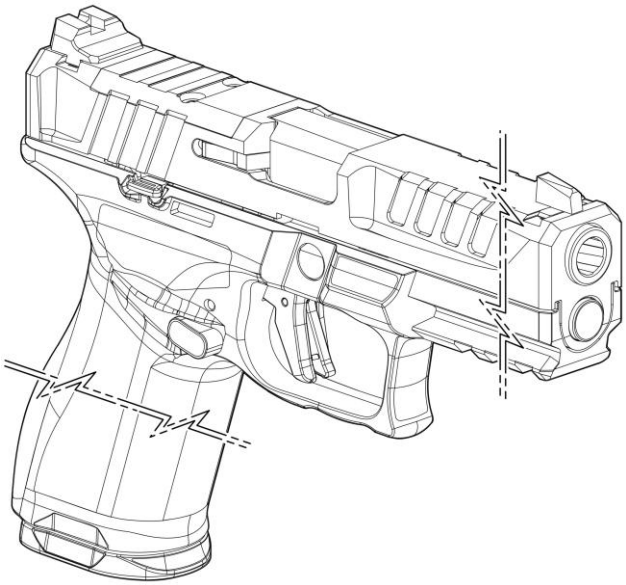
FRONT PERSPECTIVE VIEW

21: A2025/00631 22: 2025-06-03 23:

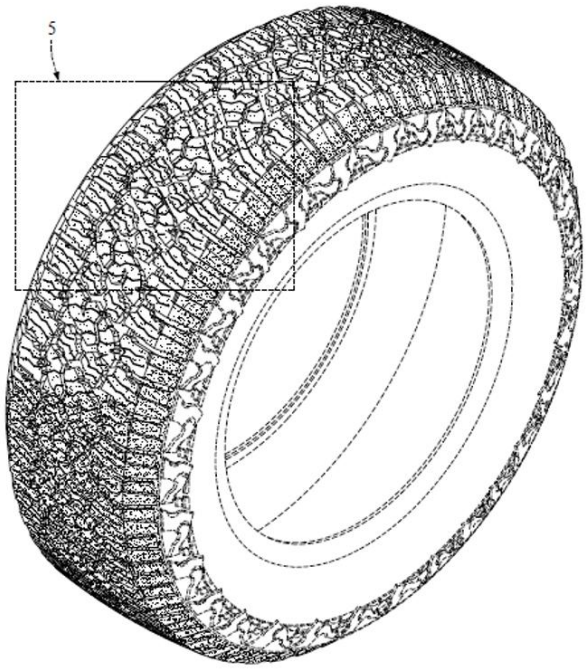
43: 2026-01-20
52: Class 22 24: Part A
71: HS PRODUKT D.O.O.
33: US 31: 29/976,600 32: 2024-12-03
54: PISTOL
57: The design is applied to a pistol. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the pistol, substantially as illustrated in the accompanying representation.



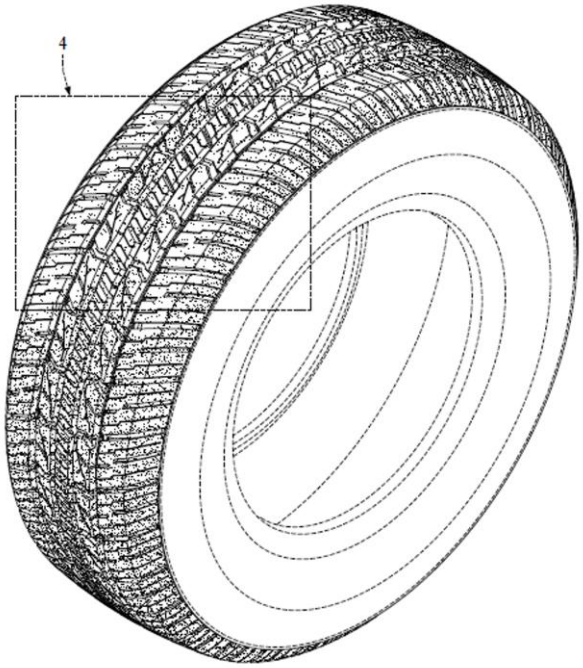
21: A2025/00632 22: 2025-06-03 23:
43: 2026-01-20
52: Class 22 24: Part A
71: HS PRODUKT D.O.O.
33: US 31: 29/976,600 32: 2024-12-03
54: PISTOL
57: The design is applied to a pistol. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the pistol, substantially as illustrated in the accompanying representation. Separations depicted by break lines indicate an indeterminate length and any portions between the break lines do not form part of the design and are disclaimed.



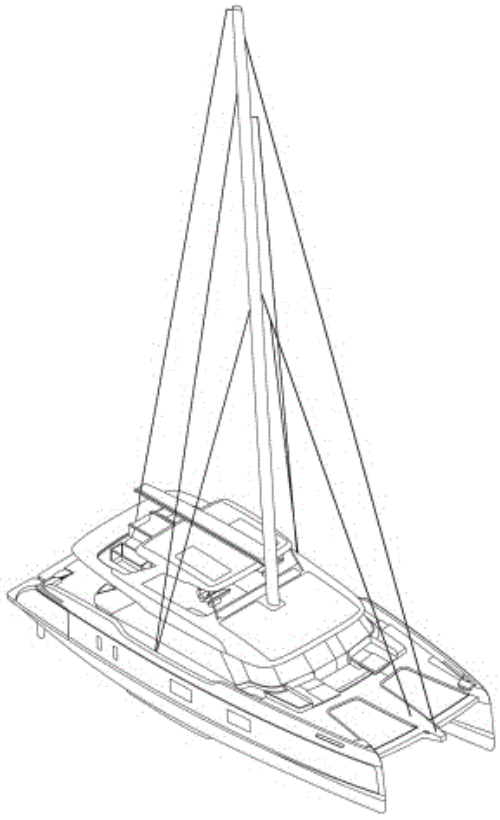
21: A2025/00694 22: 2025-06-06 23:
43: 2026-01-20
52: Class 12 24: Part A
71: OMNI UNITED (S) PTE. LTD.
33: US 31: 29/995,854 32: 2025-03-28
54: TYRE
57: The design is applied to a tyre. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the tyre, substantially as illustrated in the accompanying representation. Features shown in broken lines as well as grain noise shown in the representations do not form part of the design and are disclaimed.



21: A2025/00699 22: 2025-06-06 23:
43: 2026-01-20
52: Class 12 24: Part A
71: OMNI UNITED (S) PTE. LTD.
33: US 31: 29/995,951 32: 2025-03-28
54: TYRE
57: The design is applied to a tyre. 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 tyre, substantially as illustrated in the accompanying representation. Features shown in broken lines as well as grain noise shown in the representations do not form part of the design and are disclaimed.



21: A2025/00710 22: 2025-06-10 23:
43: 2026-01-20
52: Class 12 24: Part A
71: SUNREEF VENTURE S.A.
33: EU 31: 015100303-0001 32: 2025-04-25
54: CATAMARAN
57: The design is to be applied to a catamaran. 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.

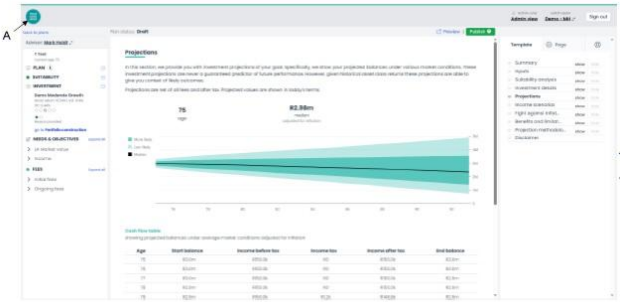


FRONT PERSPECTIVE VIEW

21: A2025/00712 22: 2025-06-10 23:
43: 2026-01-20
52: Class 12 24: Part A
71: VANESCO (PTY) LTD
54: TROLLEY
57: The novelty of the design resides in the shape and/or configuration of a trolley as shown in the accompanying drawing.

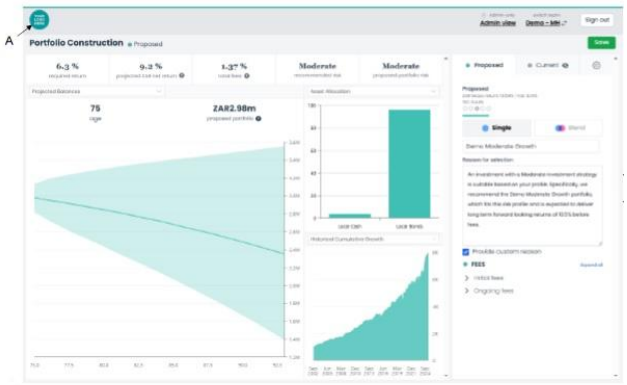


21: A2025/00731 22: 2025-06-12 23:
43: 2026-01-20
52: Class 14 24: Part A
71: ADVANTAGE (PTY) LTD
54: DISPLAY WITH A GRAPHICAL USER INTERFACE
57: The design is applied to a display with a graphical user interface. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the display with a graphical user interface, substantially as illustrated in the accompanying representation. The textual matter and colours appearing on the graphical user interface do not form part of the design and are disclaimed. The features of a placeholder logo (A) are shown for illustrative purposes, and are also disclaimed.

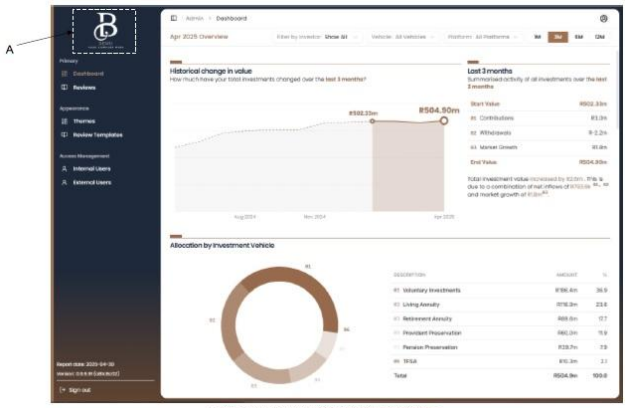


21: A2025/00732 22: 2025-06-12 23:
43: 2026-01-20
52: Class 14 24: Part A
71: ADVANTAGE (PTY) LTD
54: DISPLAY WITH A GRAPHICAL USER INTERFACE

57: The design is applied to a display with a graphical user interface. 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 display with a graphical user interface, substantially as illustrated in the accompanying representation. The textual matter and colours appearing on the graphical user interface do not form part of the design and are disclaimed. The features of a placeholder logo (A) are shown for illustrative purposes, and are also disclaimed.



21: A2025/00734 22: 2025-06-13 23:
43: 2026-01-20
52: Class 14 24: Part A
71: TRADE WINDS CAPITAL
54: DISPLAY WITH A GRAPHICAL USER INTERFACE
57: The design is applied to a display with a graphical user interface. 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 display with a graphical user interface, substantially as illustrated in the accompanying representation. The features of an exemplary logo and textual matter in region (A) bounded by broken lines do not form part of the design and are disclaimed. The textual matter and colours appearing on the graphical user interface do not form part of the design and are disclaimed.



FRONT VIEW IN A FIRST COLOUR SCHEME

21: A2025/00735 22: 2025-06-13 23:
43: 2026-01-20
52: Class 14 24: Part A
71: TRADE WINDS CAPITAL
54: DISPLAY WITH A GRAPHICAL USER INTERFACE
57: The design is applied to a display with a graphical user interface. 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 display with a graphical user interface, substantially as illustrated in the accompanying representation. The features of an exemplary logo and textual matter in region (A) bounded by broken lines do not form part of the design and are disclaimed. The textual matter and colours appearing on the graphical user interface do not form part of the design and are disclaimed.



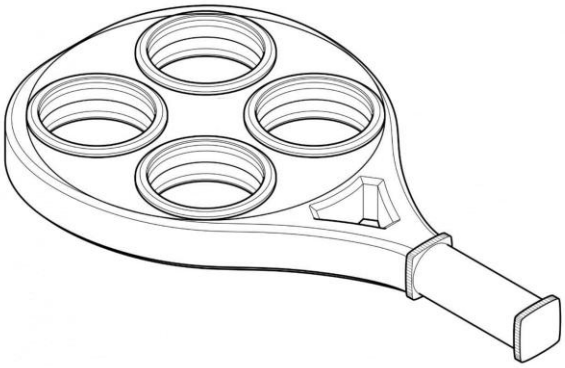
FRONT VIEW IN A FIRST COLOUR SCHEME

21: A2025/00795 22: 2025-06-27 23:
43: 2026-01-20
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202530015827.9 32: 2025-01-10
54: AUTOMOBILE

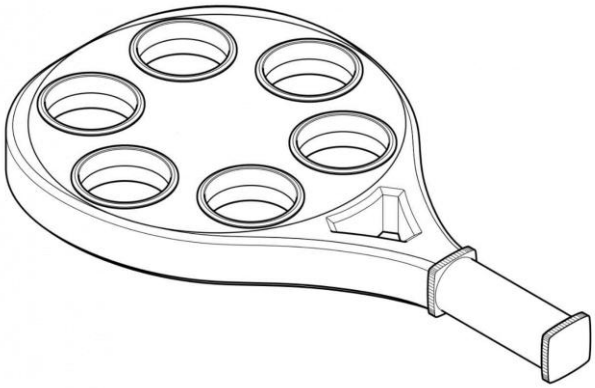
57: The design is applied to an automobile. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the automobile, substantially as illustrated in the accompanying representation.



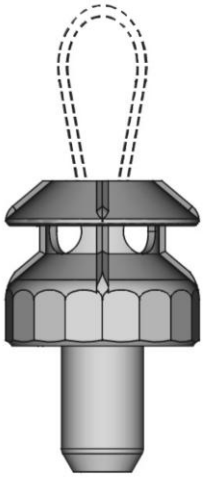
21: A2025/01246 22: 2025-10-20 23:
43: 2025-11-09
52: Class 7 24: Part A
71: Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES
54: A SERVING PADDLE
57: The design relates to a A Serving Paddle. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



21: A2025/01250 22: 2025-10-20 23:
43: 2025-11-09
52: Class 7 24: Part A
71: Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES
54: A SERVING PADDLE
57: The design relates to a A Serving Paddle. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



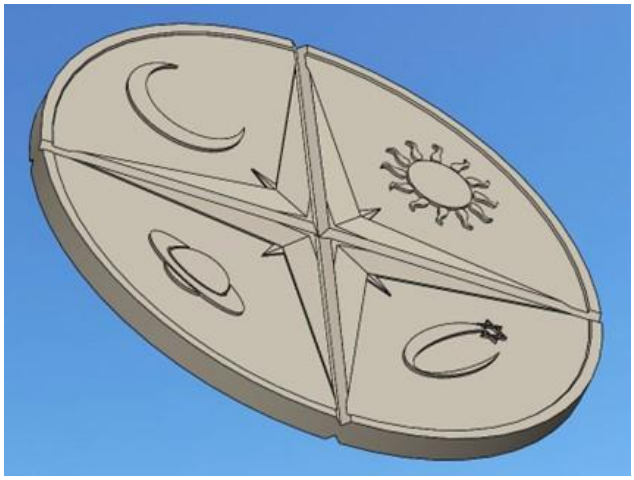
21: F2024/00255 22: 2024-03-08 23:
43: 2024-10-11
52: Class 22 24: Part F
71: EJAT Lerm
54: FLY AND FRUIT FLY TRAP
57: The design relates to a Fly and Fruit Fly Trap. The features of the design are those of pattern, shape, configuration and function, in order to effectively trap flies and/or fruit flies by means of target- specific bait placed inside a standard commercial soft drink or similar PET bottle attached to the bottom of the trap by means of a similar threaded receptacle.



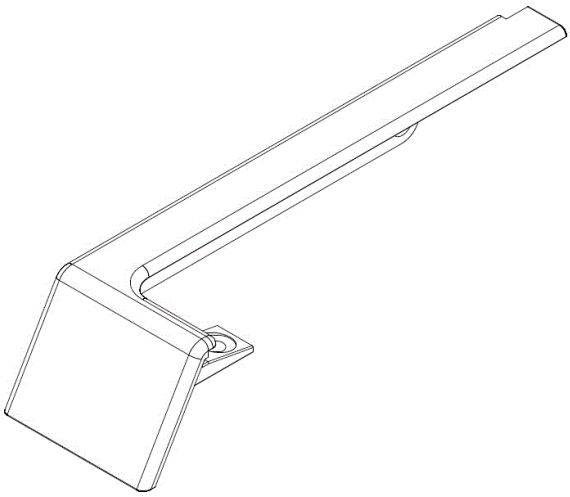
45° Side View

21: F2024/01143 22: 2024-11-07 23:
43: 2025-12-09
52: Class 11 24: Part F
71: MAURER, Petula Meredith
54: ROUND

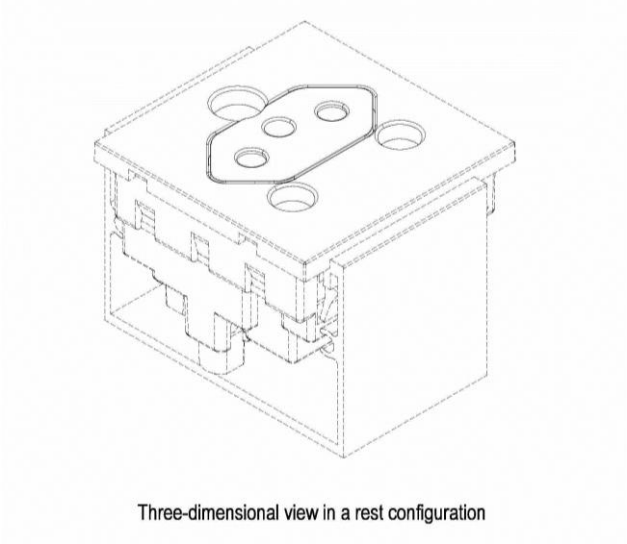
57: The design is for a round, resembling a coin, that is divided it into four quarters, each with a unique relief.



21: F2024/01327 22: 2024-12-17 23:
43: 2024-07-10
52: Class 12 24: Part F
71: SECURI-LID (PTY) LTD.
54: End caps for vehicle covers
57: The design relates to a pair of end caps for a vehicle cover. The pair comprises a lefthand and a righthand end cap, the end caps being mirror images of one another. More specifically, the end caps are configured to close off ends of a cover for a roller shutter for a vehicle. The shutter operatively closes over a load bin of a truck or bakkie. Each end cap has a roughly L-shaped profile when seen in top view and has an inclined portion joined to an elongate planar portion. A lug with a countersunk mounting hole protrudes away from an inner surface of the inclined portion and operatively mates with a profiled side rail. An operatively inner side of the end cap defines a recessed seat for receiving a profiled end of the vehicle cover. Two holes for receiving mounting screws are provided laterally through each end cap.



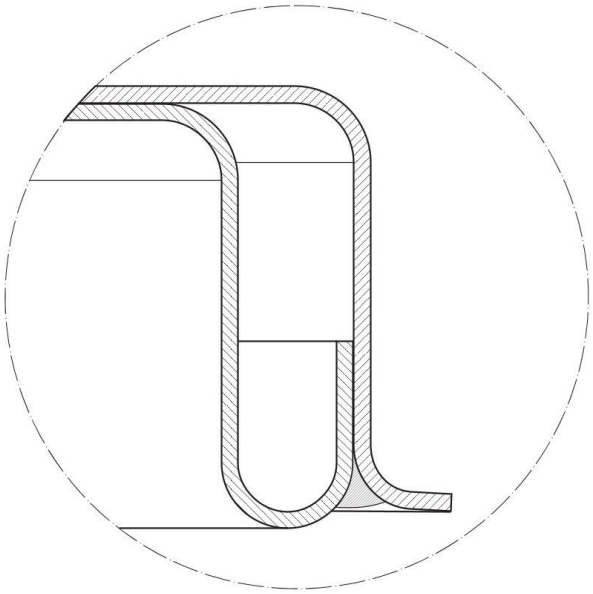
21: F2024/01372 22: 2024-12-19 23:
43: 2024-12-19
52: Class 13 24: Part F
71: CHICK, Graham Leslie
54: Electrical socket outlets and adapters
57: The design is for an electrical socket outlet. The features of the design are illustrated in the electrical socket outlet. It is the overall design of the electrical socket outlet that is claimed.



Three-dimensional view in a rest configuration

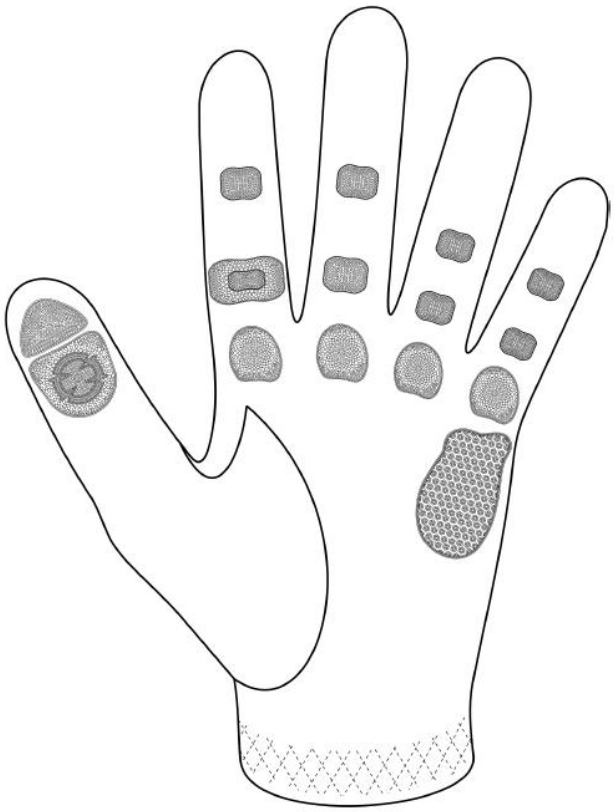
21: F2025/00410 22: 2025-04-14 23:
43: 2025-11-13
52: Class 25 24: Part F
71: HOLFELD, Barry Graeme
54: INFLATABLE PRELOAD DEVICE
57: The design is applied to a pot-shaped inflatable preload device for use on a mine support prop. The device is made by welding together two formed sheets of metal which have spaced apart sidewalls. An inner sidewall of a second sheet is curved

outwardly with a return flange that fits closely into an outer sidewall of a first sheet. The outer sidewall is bent to provide a circumferential lip that extends outwardly with a region at a base of the lip welded adjacent and/or along the return flange.



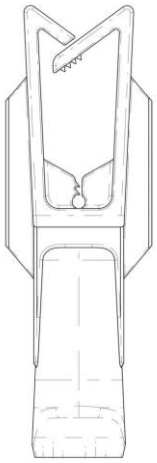
ENLARGED CROSS-SECTIONAL VIEW ON A-A

21: F2025/00453 22: 2025-04-29 23:
43: 2025-11-11
52: Class 02 24: Part F
71: MSND Holding
54: GLOVE
57: The features of this design for which protection are claimed include the pattern and/or shape and/or configuration of a glove substantially as illustrated in the accompanying representations.

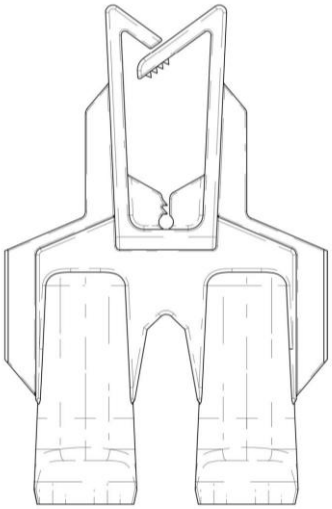


FRONT VIEW

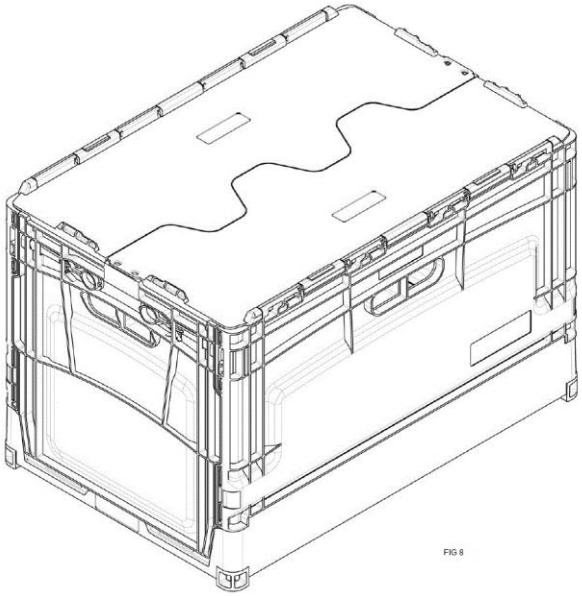
21: F2025/00536 22: 2025-05-16 23:
43: 2025-12-11
52: Class 28 24: Part F
71: BEDOUKIAN RESEARCH INC.
33: US 31: 29/973,680 32: 2024-11-18
54: PASSIVE DIFFUSER DEVICE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



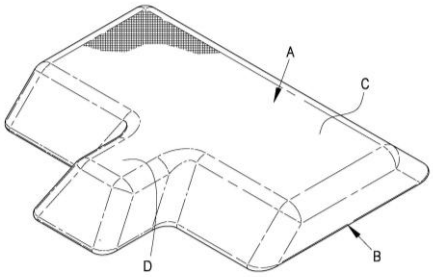
21: F2025/00538 22: 2025-05-16 23:
43: 2025-12-11
52: Class 28 24: Part F
71: BEDOUKIAN RESEARCH INC.
33: US 31: 29/973,681 32: 2024-11-18
54: PASSIVE DIFFUSER DEVICE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



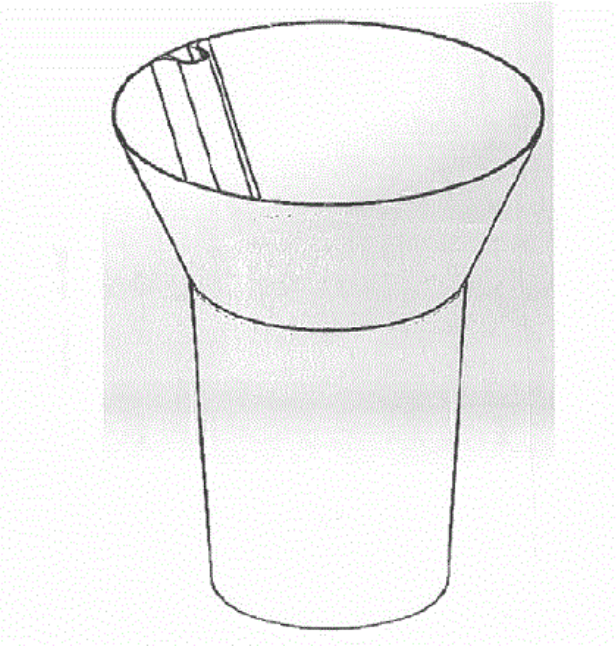
21: F2025/00546 22: 2025-05-20 23:
43: 2025-12-11
52: Class 9 24: Part F
71: SCHOELLER ALLIBERT GMBH
54: FOLDABLE SMALL CONTAINER
57: The representation shows an isometric view of a foldable container in an operative, unfolded condition showing the overall appearance thereof.



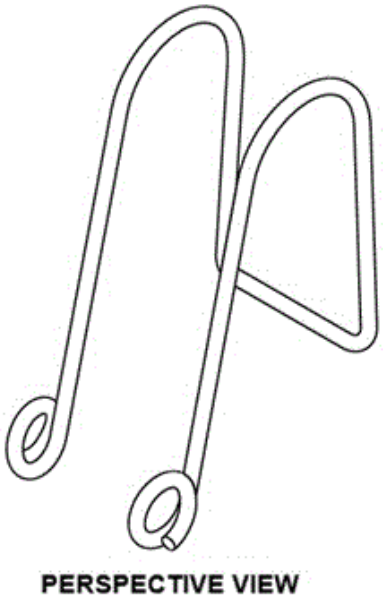
21: F2025/00571 22: 2025-05-22 23:
43: 2025-05-22
52: Class 21 24: Part F
71: Lionalign (Pty) Ltd
54: Gymnasium Equipment
57: This design is for gymnasium equipment, in the form of a pad for exercise equipment, substantially as shown in the representations. The pad comprises a body extending from a base, wherein the body is slab-like and comprises a main body portion and a support protrusion projecting from the main body portion.



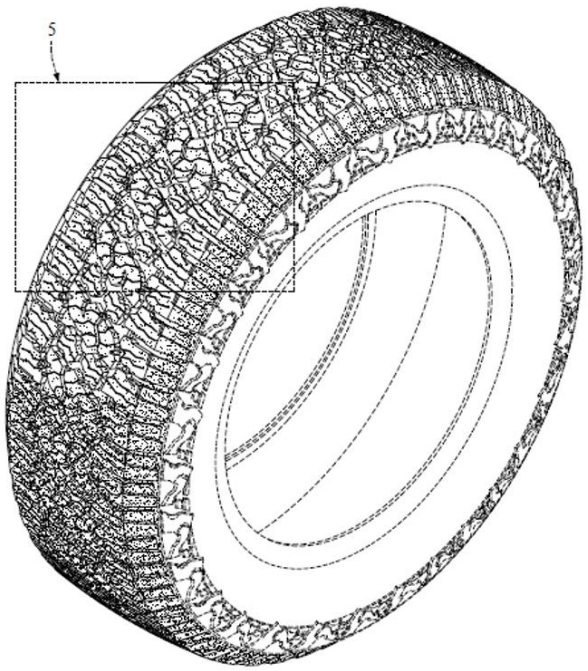
21: F2025/00610 22: 2025-05-27 23:
43: 2025-12-11
52: Class 9 24: Part F
71: REZANT, Delicia
54: MULTI-FUNCTIONAL CONTAINER
57: The design is applied to a dual bowl and cup container assembly. The features of the design for which protection is claimed include the shape, pattern and/or configuration of the multi-functional beverage and snack container as shown in the drawings, showing the overall appearance thereof.



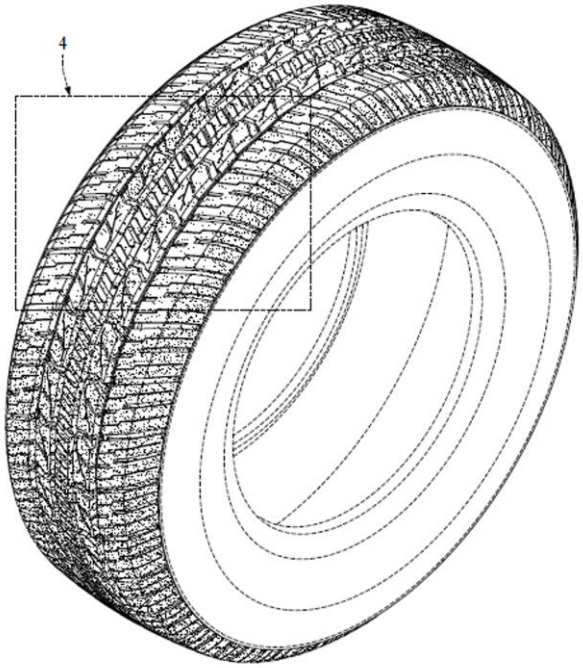
21: F2025/00613 22: 2025-05-27 23:
43: 2025-12-09
52: Class 8. 24: Part F
71: ULRICH SEATS (PTY) LTD.
54: Clamp
57: The design relates to a clamp. The features of the design are those of shape and/or configuration.



21: F2025/00695 22: 2025-06-06 23:
43: 2026-01-20
52: Class 12 24: Part F
71: OMNI UNITED (S) PTE. LTD.
33: US 31: 29/995,854 32: 2025-03-28
54: TYRE
57: The design is applied to a tyre. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the tyre, substantially as illustrated in the accompanying representation. Features shown in broken lines as well as grain noise shown in the representations do not form part of the design and are disclaimed.



21: F2025/00700 22: 2025-06-06 23:
43: 2026-01-20
52: Class 12 24: Part F
71: OMNI UNITED (S) PTE. LTD.
33: US 31: 29/995,951 32: 2025-03-28
54: TYRE
57: The design is applied to a tyre. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the tyre, substantially as illustrated in the accompanying representation. Features shown in broken lines as well as grain noise shown in the representations do not form part of the design and are disclaimed.



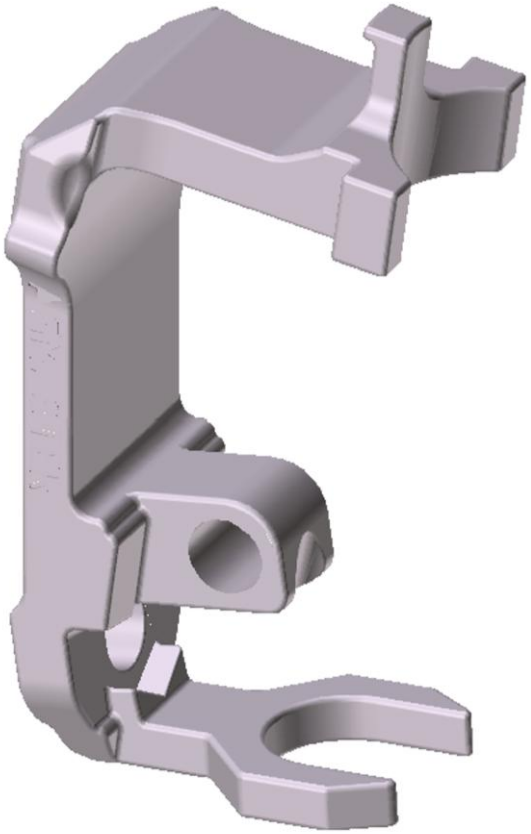
21: F2025/00711 22: 2025-06-10 23:
43: 2026-01-19
52: Class 12 24: Part F
71: VANESCO (PTY) LTD
54: TROLLEY
57: The novelty of the design resides in the shape and/or configuration of a trolley as shown in the accompanying drawing.



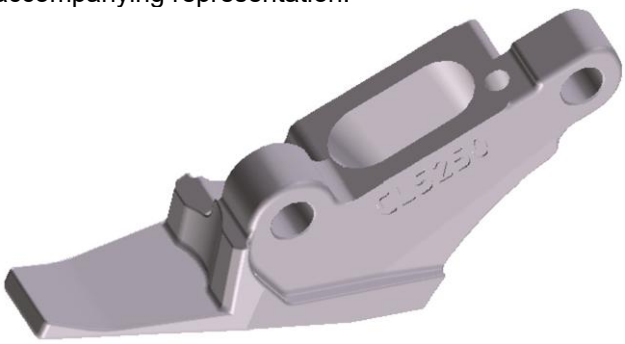
21: F2025/00713 22: 2025-06-11 23:
43: 2026-01-20
52: Class 15 24: Part F
71: SOILPRO PTY LTD
33: AU 31: AU202419215 32: 2024-12-17
54: SEEDING POINT
57: The design is applied to a seeding point. The features of the design for which protection is claimed are for the shape and/or configuration of the seeding point, substantially as illustrated in the accompanying representation.



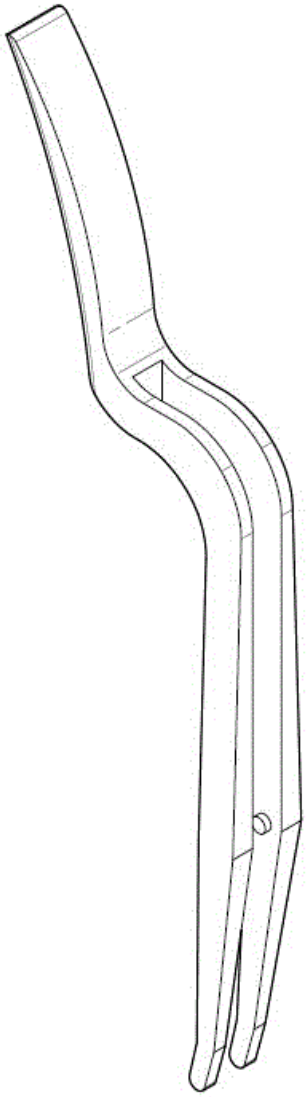
21: F2025/00716 22: 2025-06-11 23:
43: 2026-01-20
52: Class 15 24: Part F
71: SOILPRO PTY LTD
33: AU 31: AU202419216 32: 2024-12-17
54: SEEDING POINT HOLDER
57: The design is applied to a seeding point holder. The features of the design for which protection is claimed are for the shape and/or configuration of the seeding point holder, substantially as illustrated in the accompanying representation.



21: F2025/00717 22: 2025-06-11 23:
43: 2026-01-20
52: Class 15 24: Part F
71: SOILPRO PTY LTD
33: AU 31: AU202419217 32: 2024-12-17
54: CLOSING DEVICE FOR CLOSING A SOIL SLOT FORMED BY A POINT ELEMENT
57: The design is applied to a closing device for closing a soil slot formed by a point element. The features of the design for which protection is claimed are for the shape and/or configuration of the closing device, substantially as illustrated in the accompanying representation.

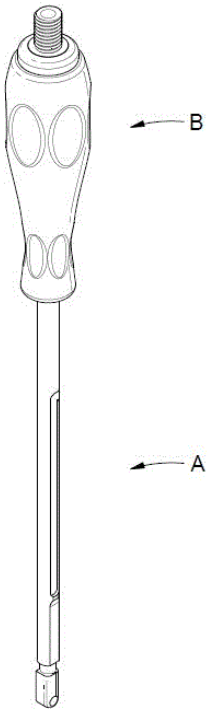


21: F2025/00718 22: 2025-06-12 23:
43: 2026-01-19
52: Class 24 24: Part F
71: BECKER, Gert Stephanus
54: SURGICAL INSTRUMENTATION LEVER
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical lever, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

21: F2025/00720 22: 2025-06-12 23:
43: 2026-01-20
52: Class 24 24: Part F
71: BECKER, Gert Stephanus
54: SURGICAL ROD INTRODUCER
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical rod introducer A comprising a handle B, substantially as illustrated in the accompanying representations and irrespective of the shape and/or configuration of the handle B.



FIRST PERSPECTIVE VIEW

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

21: 2025/00013. 22: 2025/12/11 43: 2025/12/11
24: 2023/01/23 to 2023/02/03; Munsieville, Krugersdorp, Johannesburg
25: 2024/07/28; Durban International Film Festival
71: Kagiso Samuel Leburu 8728 Shai Drive, Krugersdorp, 1754, South Africa.
75: Shane Maribolla3501 Bongo Street, Oakmoor Ext 7, Tembisa, ZA, 1632, Phone: 0734085517, Email: shane.maribolla@gmail.com;
76: Mapitso Ralephata
77: Kagiso Samuel Leburu
54: **Month End**
78: Mapula Mafole; Tebatso Mashishi; Sibongile Gungu
26: Durban International Film Festival, Festival screening
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Lesego and Boom Shaka are two carefree township buddies in their mid 20s who spend their days chasing pipe dreams, drinking boxed wine, and smoking marijuana. Lesego, an orphan raised by her overly accommodating grandmother, Dipuo, leans on routine for safety. Boom Shaka, raised in a crowded household, survives on pure hustle. When Boom Shaka fails to repay a thousand Rand she owes to the local loan shark, Dollar, he confronts her while she and Lesego are waiting for Thabiso, the DSTV installer, to set up Dipuo's brand new 55 inch TV. Dollar and his henchmen seize the TV as collateral, warning that they will sell it if he does not have his money by sunset. Lesego panics, convinced Dipuo will throw her out if they cannot recover the TV. Boom Shaka, ever the optimist, promises to fix the situation and convinces Lesego to try gambling for quick cash. The two head to a rowdy underground casino in the squatter camps where young mothers risk their SASSA grants. Their luck spikes, then crashes, wiping out what little they had. Running out of time and options, the duo launches into a string of desperate, hilarious attempts to raise the thousand Rand before sunset. From dodgy hairdressing gigs to clumsy extortion attempts, their misplaced confidence and chaotic execution lead them through a rollercoaster of comedic misadventures. As the sun drops and pressure mounts, Lesego and Boom Shaka must decide whether their friendship and determination are enough to save the day, or if Lesego will be returning to Dipuo with the worst confession of her life

58: CO

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

No records available

PATENT CORRECTION NOTICES

No records available

DESIGNS CORRECTION NOTICES

No records available

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for February 2026

Number of Advertised Patents: 553

Application Number	Patent Title	Filing Date
2017/00866	FLAMEPROOF LUMINAIRE	2017/02/03
2017/03901	FOOD COMPOSITION AND METHOD OF USE	2017/06/07
2017/08761	PLANTS HAVING ENHANCED YIELD-RELATED TRAITS AND METHODS OF MAKING THEM	2017/12/21
2018/02563	SKIP DUMP SYSTEM	2018/04/18
2018/07573	A FEED APPARATUS FOR A PARTICLE SEPARATOR, PARTICLE SEPARATOR AND METHOD OF PARTICLE SEPARATION	2018/11/12
2019/04265	AZOLOPYRIMIDINE FOR THE TREATMENT OF CANCER-RELATED DISORDERS	2019/06/28
2019/05055	DOWNLINK CONTROL CHANNEL MONITORING	2019/07/31
2019/05289	MIXTURES OF SABADILLA ALKALOIDS AND PYRETHRUM AND USES THEREOF	2019/08/12
2019/06249	SEMI-PERSISTENT CSI FEEDBACK OVER PUSCH	2019/09/20
2019/08063	PROCESS FOR THE PREPARATION OF HEAT TREATED CEREAL BASED FOOD PRODUCTS	2019/12/04
2019/08361	UPLINK REFERENCE SIGNAL SEQUENCE DESIGN IN 5G NEW RADIO	2019/12/13
2020/03635	SYSTEM FOR DETECTING EVENTS OR SITUATIONS HAVING ASSOCIATED PATTERNS OF ACOUSTIC VIBRATIONS IN A TRAIN RAIL AND VIBRATION DETECTOR UNIT FOR THIS SYSTEM	2020/06/17
2020/05213	SECTION CONTROL SYSTEM	2020/08/21
2020/05659	A LEPTIN RECEPTOR AGONIST ANTIBODY FOR USE IN TREATING A METABOLIC DYSFUNCTION OR HYPOLEPTINEMIA	2020/09/11
2020/07545	NOVEL AND LONG-ACTING RUBBER ANTI-DEGRADANT AND RUBBER COMPOSITION COMPRISING THE SAME FOR TIRES	2020/12/03
2020/07573	HYDRAULIC MASTER AND SLAVE DRIVE MOTOR CONTROL SYSTEM	2020/12/04

Application Number	Patent Title	Filing Date
2020/07809	ANTIBODIES THAT TARGET HIV GP120 AND METHODS OF USE	2020/12/14
2020/07974	A ROCK DRILL HOUSING	2020/12/21
2021/02695	CONTROL CHANNEL STRUCTURE DESIGN TO SUPPORT V2X TRAFFIC	2021/04/22
2021/03171	SOIL ANALYSIS COMPOSITIONS AND METHODS	2021/05/11
2021/04157	PREPARATION INCLUDING VACCINE ADJUVANT	2021/06/17
2021/08035	METHODS FOR RECOVERING A TARGET METAL FROM IRON OR STEEL SLAG USING AT LEAST ONE OF A CARBOTHERMIC REDUCTION PROCESS AND A PYRO-HYDROMETALLURGICAL PROCESS	2021/10/20
2021/08306	IMMUNOTHERAPY FOR THE TREATMENT OF CANCER	2021/10/27
2021/10876	POLYMER FOAM ARTICLES AND METHODS OF MAKING POLYMER FOAMS	2021/12/23
2022/03363	IMMUNOGENIC COMPOSITIONS	2022/03/22
2022/05419	A SLIP JOINT	2022/05/17
2022/05545	ALUMINA HAVING A SPECIFIC PORE PROFILE	2022/05/19
2022/09558	LIQUID CLOTHIANIDIN COMPOSITIONS AND METHODS OF THEIR USE	2022/08/26
2022/10839	ANTIBODY FORMULATION	2022/09/30
2022/11086	VIRAL INHIBITION	2022/10/10
2022/12839	SUSTAINED-RELEASE PHEROMONE PREPARATION	2022/11/25
2022/12840	SUSTAINED-RELEASE PHEROMONE PREPARATION	2022/11/25
2023/00363	SOIL ANALYSIS METHOD	2023/01/09
2023/00544	COMPOSITIONS AND METHODS FOR TREATING LATE-ONSET POMPE DISEASE	2023/01/12
2023/00545	ON-LOAD TAP CHANGER MODULE	2023/01/12
2023/00665	SOIL ANALYSIS METHODS	2023/01/16
2023/00666	SOIL ANALYSIS COMPOSITIONS AND METHODS	2023/01/16
2023/00667	SOIL ANALYSIS COMPOSITIONS AND METHODS	2023/01/16
2023/00668	SOIL ANALYSIS METHODS	2023/01/16
2023/00669	SOIL ANALYSIS COMPOSITIONS AND METHODS	2023/01/16
2023/00670	SOIL ANALYSIS METHODS	2023/01/16
2023/00671	SOIL ANALYSIS COMPOSITIONS AND METHODS	2023/01/16
2023/00672	SOIL ANALYSIS METHOD	2023/01/16
2023/00673	SOIL ANALYSIS METHOD	2023/01/16

Application Number	Patent Title	Filing Date
2023/00674	SOIL ANALYSIS COMPOSITIONS AND METHODS	2023/01/16
2023/00758	SYSTEM AND METHOD FOR CONTROLLING AMOUNT OF SCREEN TIME OF AN INDIVIDUAL	2023/01/17
2023/00914	AEROSOL-GENERATING DEVICE WITH HEATER WITH COLD ZONE	2023/01/20
2023/01419	A RESPIRATORY ASSISTANCE APPARATUS, AND VALVES FOR RESPIRATORY ASSISTANCE APPARATUSES	2023/02/03
2023/03273	NEW MODIFIED RELEASE ORAL CONTRACEPTIVE COMPOSITION	2023/03/02
2023/03901	INTERLEUKIN-2-FC FUSION PROTEINS AND METHODS OF USE	2023/03/28
2023/05117	PRODUCER CELL HAVING LOW LEVELS OF VA-RNA	2023/05/09
2023/05820	IMPROVED RECOIL REDUCTION SYSTEM	2023/05/30
2023/05969	HEATING SYSTEMS AND METHODS	2023/06/05
2023/06404	PRIMARY CARBIDE REFINEMENT IN HYPEREUTECTIC HIGH CHROMIUM CAST IRONS	2023/06/20
2023/07869	DEVICES, SYSTEMS, AND METHODS FOR RETRIEVING INNER TUBES	2023/08/11
2023/07938	PERFUSION BIOREACTOR WITH FILTRATION SYSTEMS	2023/08/16
2023/07947	USE OF PROTOPORPHYRINOGEN OXIDASE	2023/08/16
2023/07966	A TRIGGER-TYPE DISPENSING HEAD FOR A DISPENSING DEVICE FOR PASTY PRODUCTS SUCH AS TOOTHPASTES	2023/08/16
2023/08032	METHODS AND COMPOSITIONS FOR MODIFYING ROOT ARCHITECTURE IN PLANTS	2023/08/18
2023/08162	REMOVABLE SHELF FOR RIGID CONTAINERS FOR DRY GOODS	2023/08/23
2023/08371	PATATIN-EMULSIFIED BINDER	2023/08/30
2023/08818	METHODS FOR PREDICTING AND MODULATING GLYCATION OF A PROTEIN	2023/09/18
2023/08835	DISSOLUTION METHOD	2023/09/18
2023/09061	SOLAR ELECTRICITY GENERATION SYSTEM AND METHOD	2023/09/26
2023/09136	A SYSTEM AND METHOD FOR MANAGING PROVISION OF GOODS AND SERVICES TO MEMBERS OF SAID SYSTEM	2023/09/28
2023/09177	DEEP CONVOLUTIONAL NEURAL NETWORKS TO PREDICT VARIANT PATHOGENICITY USING THREE-	2023/09/29

Application Number	Patent Title	Filing Date
	DIMENSIONAL (3D) PROTEIN STRUCTURES	
2023/09212	FURNACE WITH STRAY-ARC PROTECTION SYSTEM AND METHOD	2023/10/02
2023/09263	VACCINES FOR THE TREATMENT AND PREVENTION OF ZOONOTIC INFECTIONS	2023/10/03
2023/09429	METHOD AND SYSTEM FOR STEAMCRACKING	2023/10/09
2023/09495	MONOCLONAL ANTIBODY THAT SPECIFICALLY BINDS TO GD2	2023/10/11
2023/09670	SECURITY PROTOCOL SYSTEM AND METHOD	2023/10/17
2023/09914	REFORMATTING OF TENSORS TO PROVIDE SUB-TENSORS	2023/10/24
2023/10455	A METHOD OF IMPROVING STABILITY OF AN ANTIBODY FORMULATION	2023/11/09
2023/10639	INTERLEUKIN 15 VARIANTS	2023/11/16
2023/10671	METHOD FOR ASSEMBLING A FLOATING SOLAR SYSTEM, AND CORRESPONDING SYSTEM	2023/11/17
2024/00206	DETECTION AND QUANTIFICATION OF GLYCOSYLATED PEPTIDES	2024/01/05
2024/01960	A SLIP JOINT & EXPANSION JOINT	2024/03/08
2024/03574	BICYCLE COVER	2024/05/09
2024/04323	DEVICE AND METHOD FOR DEFLECTING A CONVEYOR CHAIN AND ANIMAL FEED TRANSPORT SYSTEM	2024/06/03
2024/04789	AN OSCILLATION MECHANISM FOR A CHAIR OR AN ARMCHAIR	2024/06/19
2024/07049	PHARMACEUTICAL COMPOSITION CONTAINING ACETOMINOPHEN AND IBUPROFEN	2024/09/13
2024/08483	AEROSOL-GENERATING ARTICLE AND AEROSOL-GENERATING SYSTEM COMPRISING AN INTERNAL HEATING ELEMENT	2024/11/08
2024/08691	FINANCIAL TRANSACTION SYSTEM	2024/11/15
2024/08753	TOYS FOR THE REPRODUCTION OF MUSIC OR A NARRATED STORY	2024/11/18
2024/08762	A METHOD FOR MANUFACTURING PIG IRON IN AN ELECTRICAL SMELTING FURNACE AND ASSOCIATED ELECTRICAL SMELTING FURNACE	2024/11/18
2024/09180	HIGH-BAY WAREHOUSE FOR EMPTY CONTAINERS	2024/11/29
2024/09504	CANCER COMBINATION THERAPY INCLUDING A BCL-2 INHIBITOR	2024/12/10
2024/09601	PLANETARY GEAR ASSEMBLY	2024/12/12

Application Number	Patent Title	Filing Date
2024/09865	APPARATUS FOR FOLDING PACKAGING MATERIAL	2024/12/19
2025/00406	BIODEGRADABLE FLOOR SEALING MEMBRANE	2025/01/13
2025/00598	A PAIR OF EXTENDED ARMS COUPLED TO A VESSEL	2025/01/17
2025/00602	TUNNEL CONSTRUCTION METHOD AND MACHINE	2025/01/17
2025/00895	PET TOILET	2025/01/22
2025/00924	BUOYANCY COMPENSATOR INTEGRATED WEIGHT SYSTEM	2025/01/28
2025/00931	SEALING AIRLOCK FOR DEPOSITION CHAMBER	2025/01/28
2025/01037	HOT ROLLING WITH RESIDUAL ELEMENTS	2025/01/31
2025/01068	HOT ROLLING WITH RESIDUAL ELEMENTS	2025/02/03
2025/01127	DRILLING TOOL CHANGER DEVICE AND A METHOD FOR MAKING THE CHANGE	2025/02/05
2025/01132	VEHICLE DASH PANEL ASSEMBLY	2025/02/05
2025/01395	FALL ARREST SOLUTION	2025/02/14
2025/01807	ORALLY DISINTEGRATING PHARMACEUTICAL TABLET CONTAINING CARIPRAZINE	2025/02/27
2025/02198	METHOD AND SYSTEM FOR SUPPRESSING RANDOM NOISE IN ULTRA-WIDEBAND RANGING	2025/03/12
2025/02199	ADAPTIVE MULTI-SURFACE NON-DESTRUCTIVE ADHESION-DETACHMENT ACTUATOR	2025/03/12
2025/02363	MOBILE ROOF BOLTER	2025/03/18
2025/02537	PASSENGER MONITORING SYSTEM	2025/03/24
2025/02750	COMPOSITIONS AND METHODS OF INHIBITING MASP-3 FOR THE TREATMENT OF VARIOUS DISEASES AND DISORDERS	2025/03/31
2025/02764	TOWER OF A WIND TURBINE	2025/03/31
2025/02972	CONCRETE SEGMENT OF A SECTION OF A WIND TURBINE TOWER, MOULD CONFIGURED TO CAST A CONCRETE SEGMENT AND METHOD OF ASSEMBLING A WIND TURBINE	2025/04/08
2025/02973	CONCRETE SEGMENT OF A SECTION OF A WIND TURBINE TOWER AND A MOULD CONFIGURED TO CAST A CONCRETE SEGMENT	2025/04/08
2025/02976	ADAPTER OF A TOWER OF A WIND TURBINE TOWER AND CONCRETE SECTION OF A TOWER OF A WIND TURBINE	2025/04/08
2025/03051	SOIL MONITORING	2025/04/10

Application Number	Patent Title	Filing Date
2025/03095	TOGGLE BOLT CONNECTOR SYSTEM FOR HOLLOW JOIST	2025/04/11
2025/03101	INTERACTIVE VIDEO STREAMING FOR 3D APPLICATIONS	2025/04/11
2025/03105	NOVEL IONIZABLE LIPIDS	2025/04/11
2025/03131	ARCH BACK DRAGLINE BUCKET AND WORK MACHINES, SYSTEMS, AND ASSEMBLIES THEREOF	2025/04/14
2025/03139	METHOD FOR PRODUCING FLOAT GLASS FROM A MIXTURE OF MINERAL MATERIALS COMPRISING A CALCIUM SILICATE	2025/04/14
2025/03143	GENDER IDENTIFICATION OF CHICKS USING DIGITAL IMAGE ANALYSIS	2025/04/14
2025/03179	METHOD OF ASSEMBLING A WIND TURBINE AND WIND TURBINE ASSEMBLY SYSTEM, AND METHOD OF ASSEMBLING A WIND FARM AND WIND FARM ASSEMBLY SYSTEM	2025/04/15
2025/03180	LIFTING SYSTEM FOR A WIND TURBINE ASSEMBLY SYSTEM AND RELATED LIFTING METHOD	2025/04/15
2025/03334	A BODY FLUID CELL COLLECTION AND TESTING DEVICE FOR BODY FLUID ASSAY	2025/04/21
2025/03371	COMPOUNDS AND THEIR USE	2025/04/22
2025/03380	CARTON FOR CONTAINERS	2025/04/22
2025/03381	ROTARY DEVICE FOR TREATING MOLTEN METAL	2025/04/22
2025/03439	METHOD AND APPARATUS FOR RECYCLING COMPOSITE MILL LINERS	2025/04/23
2025/03503	METHOD FOR PRODUCING MINERAL FIBERS BY MEANS OF LOW-CARBON-EMISSION CENTRIFUGAL SPINNING	2025/04/24
2025/03571	METHOD FOR PREDICTING THE PACKET ERROR PROBABILITY OF A RADIO LINK USING DEEP NEURAL NETWORKS	2025/04/25
2025/03578	PROCESSES FOR REDUCING ENVIRONMENTAL AVAILABILITY OF ENVIRONMENTAL POLLUTANTS	2025/04/25
2025/03659	METHOD AND SYSTEM FOR SEPARATING BLACK MASS FROM ELECTRODES OF SPENT LITHIUM ION BATTERIES	2025/04/29
2025/03716	MANUFACTURE OF HEAT PIPE WICKS UTILIZING IN-SITU ROLLING AND HYDROFORMING DEVICE	2025/04/30
2025/03775	FLEXIBLE ULTRA-WIDEBAND (UWB) WEARABLE ANTENNA USING POLYTETRAFLUOROETHYLENE	2025/05/05

Application Number	Patent Title	Filing Date
	(PTFE) SUBSTRATE FOR WIRELESS COMMUNICATION APPLICATIONS	
2025/03819	METHOD OF PROVIDING ACCESS FOR REDUCED CAPABILITY DEVICES, USER EQUIPMENT, AND BASE STATION THEREOF	2025/05/06
2025/03925	LOW-FREQUENCY MECHANICAL VIBRATION FREQUENCY CHARACTERIZATION METHOD FOR LARGE-SCALE ROTATING MINERAL SEPARATION APPARATUS	2025/05/08
2025/03946	FATTY ACID DISTILLATION TOWER WITH SEALING STRUCTURE	2025/05/09
2025/03947	FUEL ATOMIZATION DEVICE BASED ON HIGH-FREQUENCY ULTRASONIC OSCILLATION TECHNOLOGY	2025/05/09
2025/03948	A METHOD FOR ANALYZING NEAR-INFRARED BRAIN FUNCTIONAL IMAGING DATA	2025/05/09
2025/03949	AN OPTIMIZED LZW DATA COMPRESSION ALGORITHM FOR WIRELESS SENSOR NETWORKS	2025/05/09
2025/03950	ADJUSTABLE-PITCH CUCURBIT FLUTE	2025/05/09
2025/03951	A CARBON EMISSION OPTIMIZATION METHOD FOR BUILDING CONSTRUCTION BASED ON BIM DATA	2025/05/09
2025/03958	MULTIFUNCTIONAL SOFTENER VALVE	2025/05/09
2025/03959	DETECTION METHOD FOR THE QUALITY OF EDIBLE FUNGI BASED ON SPECTRAL CHARACTERISTICS	2025/05/09
2025/03966	NOVEL THERAPEUTIC MOLECULE	2025/05/09
2025/03971	METHOD FOR IMPROVING SOIL WITH CONTINUOUS CROPPING OBSTACLES IN JUTE PLANTING	2025/05/09
2025/03973	LEAF COLLECTION DEVICE	2025/05/12
2025/03974	METHOD FOR FLOTATION SEPARATION OF COPPER-MOLYBDENUM ORE	2025/05/12
2025/03976	METHOD AND SYSTEM FOR MONITORING GROWTH STATUS AND PREDICTING YIELD OF UPLAND RICE BASED ON UNMANNED AERIAL VEHICLE (UAV) MULTISPECTRAL IMAGES	2025/05/12
2025/03977	AN AI ARCHITECTURE BASED PERSONALIZED CLOTHES RECOMMENDATION SYSTEM ON E-COMMERCE	2025/05/12
2025/03978	AN INTELLIGENT PREDICTIVE MAINTENANCE SYSTEM FOR	2025/05/12

Application Number	Patent Title	Filing Date
	ENHANCING LONGEVITY IN ROBOTICS AND AUTOMOTIVE SYSTEMS	
2025/03979	AN INTELLIGENT TRANSPORTATION SYSTEM	2025/05/12
2025/03980	AN AUTOMATIC IOT BASED PARKING LOT	2025/05/12
2025/03981	A MACHINE LEARNING-BASED SYSTEM FOR REAL-TIME EMERGENCY VEHICLE DETECTION AND TRAFFIC SIGNAL CONTROL	2025/05/12
2025/03982	A STREAMLINED PARKING MANAGEMENT SYSTEMS TO OPTIMISE PARKING SPACES FOR USERS AND CARETAKERS	2025/05/12
2025/03983	GC-MS-GUIDED BIOACTIVE SECONDARY METABOLITES FROM ENDOPHYTIC FUSARIUM SOLANI OF TINOSPORA CORDIFOLIA FOR ANTIMICROBIAL AND THERAPEUTIC APPLICATIONS	2025/05/12
2025/03984	A WEB-BASED PARKING SLOT LOCATOR SYSTEM FOR URBAN AREAS	2025/05/12
2025/03985	AN AR/VR POWERED REAL-TIME COACHING SYSTEM FOR LIVE REHEARSALS WITH PERFORMANCE ANALYTICS	2025/05/12
2025/03986	A NAVIGATION ASSISTING DEVICE	2025/05/12
2025/03987	AN ENERGY METER MONITORING SYSTEM USING IOT	2025/05/12
2025/03988	A WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLES WITH BATTERY REGULATION	2025/05/12
2025/03989	BOARD-TO-BOARD CONNECTION TERMINAL, ELECTRONIC DEVICE	2025/05/12
2025/03990	A WIRELESS STETHOSCOPE SYSTEM	2025/05/12
2025/03991	AN INNOVATIVE SYSTEM FOR WATER CONSERVATION AND GARDEN IRRIGATION	2025/05/12
2025/03992	A CONTACT TRACING SYSTEM TO MONITOR AND MITIGATE RISK OF EXPOSURE TO CONTAGIOUS ILLNESSES	2025/05/12
2025/03993	A GESTURE-BASED COMMUNICATION GLOVE FOR TRANSLATING SIGN LANGUAGE INTO TEXT AND SPEECH	2025/05/12
2025/03994	AN ACCIDENT ALERT SYSTEM	2025/05/12
2025/03995	A BLOCKCHAIN BASED SYSTEM FOR COUNTERFEIT PRODUCT IDENTIFICATION	2025/05/12

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2025/03996	AN AUGMENTED AND VIRTUAL REALITY SYSTEM FOR DIGITAL SANCTUARIES TO CREATE ENVIRONMENTAL AWARENESS	2025/05/12
2025/03997	INTEGRATED PACKAGING APPARATUS FOR POWER SEMICONDUCTOR DEVICES AND POWER ELECTRONIC EQUIPMENT	2025/05/12
2025/03998	A MULTI-UTILITY ROVER WITH ELECTROMAGNETIC LANDMINE DETECTION AND SURVEILLANCE SYSTEM	2025/05/12
2025/03999	A SLOPE ANCHOR MONITORING AND EARLY WARNING SYSTEM BASED ON LABVIEW	2025/05/12
2025/04000	A METHOD FOR MAILLARD REACTION-BASED MODIFICATION OF WHEY PROTEIN	2025/05/12
2025/04001	METHOD FOR STRENGTHENING SLAG CEMENT-BASED RECYCLED MORTAR	2025/05/12
2025/04006	LOGISTICS ORDER DISPATCHING METHOD AND SYSTEM BASED ON TRANSPORTATION CAPACITY CALCULATION	2025/05/09
2025/04035	RECONSTRUCTED TOPSOIL FOR ECOLOGICAL RESTORATION OF METAL MINES AND PREPARATION METHOD THEREOF	2025/05/13
2025/04039	AN INSTANT MAIZE MEAL PORRIDGE PRODUCT AND PROCESS	2025/05/13
2025/04040	COUPLING HAVING ROTATION LIMITED SEGMENTS	2025/05/13
2025/04043	CEFTIOFUR SODIUM DEGRADING BACTERIUM AND APPLICATION THEREOF	2025/05/13
2025/04048	3D-EMBOSSED KNITTED FABRIC AND KNITTING METHOD	2025/05/13
2025/04075	CORROSION RISK ASSESSMENT METHOD FOR TIDAL FLAT-SHALLOW SEA GATHERING AND TRANSPORTATION PIPELINE	2025/05/14
2025/04076	SYSTEM OF PLASTIC CONDUITS, JUNCTION BOXES AND FITTINGS FOR ELECTRICAL INSTALLATIONS WITH HYDROPHOBIC PROPERTIES	2025/05/14
2025/04077	PNEUMATIC LIQUID SEASONING ADDING SYSTEM FOR INTELLIGENT COOKING MACHINE	2025/05/14
2025/04084	POLYMER BLENDS COMPRISING RECYCLED POLYMERS WITH ENHANCED PROPERTIES	2025/05/14

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2025/04096	PEPTIDE HAVING ACTIVITIES TO PROMOTE HAIR GROWTH AND AMELIORATE DAMAGED HAIR, AND USE THEREOF	2025/05/14
2025/04100	PACKAGING TRAY FOR CAPS INTENDED TO SEAL BOTTLES FOR PHARMACEUTICAL USE	2025/05/15
2025/04101	UNMANNED AERIAL VEHICLE CHARGING CABINET CAPABLE OF ALLOWING UNMANNED AERIAL VEHICLES TO TAKE OFF AND LAND QUICKLY	2025/05/15
2025/04103	A DIGESTION METHOD FOR HIGH-IRON MONOHYDRATE BAUXITE	2025/05/15
2025/04104	ADJUSTABLE FIXTURE FOR ELECTROMAGNETICALLY DRIVEN HOPKINSON BAR	2025/05/15
2025/04105	LIGHT-EMITTING STRUCTURE, ELECTRONIC APPARATUS, AND METHOD FOR PREPARING LIGHT-EMITTING STRUCTURE	2025/05/15
2025/04106	SEMICONDUCTOR LASER AND METHOD THEREFOR	2025/05/15
2025/04107	VERTICAL-CAVITY SURFACE-EMITTING LASER AND METHOD THEREFOR	2025/05/15
2025/04108	DEEP ULTRAVIOLET PHOTONIC CRYSTAL SURFACE-EMITTING LASER	2025/05/15
2025/04109	IMPROVED BREAST ULTRASOUND IMAGE DETECTION SYSTEM BASED ON YOLOV8	2025/05/15
2025/04110	PORTABLE BOOK HOLDER WITH RETRACTABLE VOLUME	2025/05/15
2025/04111	METHOD FOR CULTIVATING CITRUS VIRUS-FREE SEEDLINGS IN ROOT-LIMITING CONTAINERS	2025/05/15
2025/04112	METHOD FOR CULTIVATING CITRUS VIRUS-FREE ROOTSTOCK SEEDLINGS IN NUTRIENT POTS	2025/05/15
2025/04113	VIBRATION SIGNAL ACQUISITION SYSTEM FOR COKE PUSHING DEVICE	2025/05/15
2025/04115	A SYSTEM FOR PREDICTING GROUNDWATER LEVELS USING MACHINE LEARNING	2025/05/15
2025/04116	A FACIAL EMOTION DETECTION SYSTEM UTILIZING A CONVOLUTIONAL NEURAL NETWORK (CNN)	2025/05/15
2025/04117	A MACHINE LEARNING BASED SYSTEM FOR EARLY DETECTION OF DENGUE OUTBREAKS	2025/05/15

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2025/04118	A SYSTEM FOR RECOMMENDING VISUAL ENTERTAINMENT BASED ON REAL-TIME EMOTION DETECTION	2025/05/15
2025/04119	A SYSTEM FOR DETECTING AI-GENERATED SPEECH	2025/05/15
2025/04120	A GESTURE-CONTROLLED MEDIA PLAYER SYSTEM	2025/05/15
2025/04121	A COST-EFFECTIVE MPPT TRACKING CIRCUIT FOR SOLAR PV SYSTEMS	2025/05/15
2025/04122	A HEART DISEASE PREDICTION SYSTEM USING MACHINE LEARNING	2025/05/15
2025/04123	A MACHINE LEARNING-BASED CALORIE BURN PREDICTION AND WORKOUT RECOMMENDATION SYSTEM	2025/05/15
2025/04124	A MACHINE LEARNING BASED CLOUDBURST PREDICTION SYSTEM FOR NATURAL DISASTERS MANAGEMENT	2025/05/15
2025/04125	AN AUTOMATED FRUIT RIPENESS DETECTION AND HARVESTING TIME ESTIMATION SYSTEM	2025/05/15
2025/04126	A SYSTEM FOR PLANT DISEASE DETECTION USING MACHINE LEARNING	2025/05/15
2025/04127	A SMART STORAGE DEVICE FOR JINGGANG POMELOS	2025/05/15
2025/04131	METHOD FOR TREATING LATERITIC NICKEL ORE ACID LEACHING RESIDUE, AND ACTIVATED MATERIAL	2025/05/15
2025/04156	A DRY SUSPENDING AGENT OF BACILLUS VELEZENSIS AND ITS PREPARATION METHOD	2025/05/16
2025/04157	AN AMPHIPHILIC XYLAN POLYMER, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF IN PESTICIDE	2025/05/16
2025/04158	AUTOMATIC MONITORING RAIN GARDEN SYSTEM AND ITS CONSTRUCTION AND EXPERIMENTAL METHODS	2025/05/16
2025/04159	POWER GENERATION DEVICE UTILIZING GRAVITY INERTIA	2025/05/16
2025/04160	TRADITIONAL CHINESE MEDICINAL SPRAY FOR TREATING SKIN DISEASES	2025/05/16
2025/04161	METHOD AND SYSTEM FOR PREDICTING PASSENGER DEMAND AT RAIL TRANSIT HUBS BASED ON DATA ANALYSIS	2025/05/16
2025/04162	NOVEL INTESTINAL OBSTRUCTION CATHETER	2025/05/16

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2025/04163	ANTI-EXTRAVASATION INFUSION DEVICE WITH SEALING FUNCTION	2025/05/16
2025/04164	A METHOD FOR INHIBITING WATER EVAPORATION AND AN APPLICATION OF AN ANTI-EVAPORATION AGENT	2025/05/16
2025/04165	A NOVEL WHEY PROTEIN ISOLATE-INULIN (WPI-IN) COMPLEX WITH ANTIOXIDANT CAPACITY AND IMMUNOMODULATORY ACTIVITY	2025/05/16
2025/04166	HUMAN-MACHINE INTERACTION SYSTEM BASED ON AI LARGE MODEL	2025/05/16
2025/04167	VIBRATING FLUIDIZED BED DRYING DEVICE	2025/05/16
2025/04168	A DECENTRALIZED VOTING SYSTEM USING BLOCKCHAIN	2025/05/16
2025/04169	AN AI-BASED SIGN LANGUAGE TO TEXT AND TEXT TO SIGN INTERPRETER SYSTEM	2025/05/16
2025/04170	A SYSTEM FOR MANAGING TOWING SERVICES ONLINE	2025/05/16
2025/04171	A SYSTEM FOR EVALUATING EDGE DETECTION ALGORITHMS FOR OBJECT CLASSIFICATION IN CONVOLUTIONAL NEURAL NETWORKS	2025/05/16
2025/04172	A HY-TECH SHOPPING CART SYSTEM USING OBJECT DETECTION AND HUMAN FOLLOWING TECHNOLOGY	2025/05/16
2025/04173	MICRO - DISTANCE RECOGNITION MANIPULATOR FOR MANUFACTURING ROBOTS	2025/05/16
2025/04174	ANTI GAP TELESCOPIC DEVICE FOR RAIL TRANSIT	2025/05/16
2025/04179	INTELLIGENT WIND FARM EQUIPMENT MANAGEMENT SYSTEM AND MANAGEMENT METHOD	2025/05/16
2025/04180	INTELLIGENT PRODUCTION OPERATION MANAGEMENT SYSTEM AND METHOD FOR WIND FARM	2025/05/16
2025/04181	AN INSTANT TEXT COMPREHENSION AND SPEECH INTERFACE SYSTEM	2025/05/16
2025/04182	A MACHINE LEARNING-BASED CREDIT CARD FRAUD DETECTION SYSTEM	2025/05/16
2025/04183	A BLUETOOTH CONTROLLED RIVER CLEANING ROVER SYSTEM	2025/05/16
2025/04184	AN AUTOMATED SPIT DETECTION AND ALERT SYSTEM USING OBJECT DETECTION	2025/05/16
2025/04185	A DATA ANALYZER TOOL SYSTEM	2025/05/16
2025/04186	AN IOT BASED SMART LOCK SYSTEM FOR ENHANCED SECURITY	2025/05/16

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2025/04187	A SYSTEM FOR ACCIDENT PREVENTION ON GHAT ROADS USING IMAGE PROCESSING	2025/05/16
2025/04188	A HEALTHCARE APPOINTMENT AND RECORD MANAGEMENT SYSTEM	2025/05/16
2025/04189	A COMPREHENSIVE WILDLIFE PROTECTION SYSTEM USING YOLO	2025/05/16
2025/04190	A METHOD FOR AUTOMATED DETECTION OF DIABETIC RETINOPATHY USING DEEP LEARNING TECHNIQUES	2025/05/16
2025/04191	A MACHINE LEARNING BASED HEART DISEASE DETECTION SYSTEM	2025/05/16
2025/04192	A VITAMIN DEFICIENCY DETECTION SYSTEM USING IMAGE PROCESSING AND MACHINE LEARNING	2025/05/16
2025/04193	A CHARACTER RECOGNITION SYSTEM	2025/05/16
2025/04194	A FARMER MANAGEMENT SYSTEM USING INTEGRATED CHATBOT	2025/05/16
2025/04195	A HEALTH RECORD MANAGEMENT USING BLOCKCHAIN	2025/05/16
2025/04196	A TRAFFIC MANAGEMENT SYSTEM WITH MACHINE LEARNING-BASED SIGNAL OPTIMIZATION	2025/05/16
2025/04197	A BRAIN TUMOR DETECTION SYSTEM	2025/05/16
2025/04205	INTELLIGENT CULTURAL RELIC SHELF HAVING PROTECTION FUNCTIONALITY	2025/05/16
2025/04207	METHOD FOR DETERMINING, USING AN OPTRONIC SYSTEM, POSITIONS AND ORIENTATIONS IN A SCENE, AND ASSOCIATED OPTRONIC SYSTEM AND VEHICLE	2025/05/16
2025/04225	POLYMORPHISM DETECTION KIT AND DETECTION METHOD FOR SHEEP BMPR-1B GENE A746G	2025/05/19
2025/04226	A COMPUTER-IMPLEMENTED METHOD AND A SYSTEM FOR PREDICTING USER THROUGHPUT IN A TELECOMMUNICATIONS NETWORK	2025/05/19
2025/04227	MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION IN NURSING COURSES	2025/05/19
2025/04228	CONFIGURATION METHOD OF WATER PURIFICATION PLANTS ASSISTED WITH IMMOBILIZED CHLORELLA VULGARIS	2025/05/19
2025/04229	A PLAIN CONCRETE PILE FOUNDATION SUPPORT CAST-IN-PLACE BEAM AND ITS CONSTRUCTION METHOD	2025/05/19

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2025/04231	ZERO-DISCHARGE EQUIPMENT FOR FULL-SCALE TREATMENT OF CIRCULATING WATER VIA MICRO-ELECTROLYSIS IN A CIRCULATING WATER POOL	2025/05/19
2025/04233	POWER CABINET FOR ELECTROMECHANICAL EQUIPMENT IN ELECTROMECHANICAL AND ELECTRICAL ENGINEERING	2025/05/19
2025/04238	A COMPREHENSIVE DELIVERY SYSTEM FOR MEDICINES AND HEALTHCARE DEVICES	2025/05/19
2025/04240	AN IOT-ENABLED WASTE FIRE DETECTION AND POLLUTION MAPPING SYSTEM	2025/05/19
2025/04241	A WEB-BASED SYSTEM FOR BUYING AND SELLING UNUSED MEDICINES	2025/05/19
2025/04242	A GESTURE-BASED COMMUNICATION GLOVE FOR HEALTHCARE SETTINGS	2025/05/19
2025/04243	AN INTEGRATED AGRICULTURAL MANAGEMENT AND MARKETPLACE SYSTEM FOR FARMERS	2025/05/19
2025/04244	AN ALGORITHM BASED REAL-TIME POTHOLE DETECTION SYSTEM FOR ROAD SAFETY	2025/05/19
2025/04245	A BLOCKCHAIN BASED SYSTEM FOR CROWDFUNDING-INVESTMENT ECOSYSTEM	2025/05/19
2025/04246	A HELMET AND NUMBER PLATE DETECTION SYSTEM	2025/05/19
2025/04247	AN AI-DRIVEN ADAPTIVE LEARNING SYSTEM FOR ENHANCED STUDENT ENGAGEMENT AND PROGRESSION	2025/05/19
2025/04248	A WATER RECYCLING SYSTEM FOR HANDWASHING APPLICATIONS	2025/05/19
2025/04250	IMMOBILIZED ENZYME, PREPARATION METHOD THEREFOR AND USE THEREOF	2025/05/19
2025/04251	LANDFILL COVER LAYER CONSTRUCTED FROM CONSTRUCTION WASTE AND APLLICATION THEREOF	2025/05/19
2025/04252	SPLIT EMBEDED SLEEVE FOR SHIELD TUNNEL SEGMENT	2025/05/19
2025/04253	METHOD AND SYSTEM FOR TESTING SOLAR PHOTOVOLTAIC MODULE	2025/05/19
2025/04271	DEVICE FOR INSPECTING A NUCLEAR REACTOR VESSEL	2025/05/19
2025/04279	SALINE WATER ION SELECTIVE DESALINATION DEVICE	2025/05/20
2025/04281	RESIDENTIAL ENERGY-SAVING SYSTEM WITH RAINWATER	2025/05/20

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	HARVESTING AND UTILIZATION FOR RURAL AREAS, AND CONTROL METHOD THEREOF	
2025/04283	A LASER-BASED METHOD AND DEVICE FOR DETECTING THE ELLIPTICITY OF SHIELD TUNNEL	2025/05/20
2025/04308	EXPLORATION METHOD FOR STRATIFORM CHROMITE IN PLATEAU SECTION	2025/05/21
2025/04309	GREEN AND ENVIRONMENTALLY FRIENDLY PHOTOVOLTAIC BUILDING	2025/05/21
2025/04310	A MICROBIAL AGENT FOR TREATING HEAVY METALS IN SOIL AND ITS APPLICATIONS	2025/05/21
2025/04315	METHOD FOR DETECTING NITRATE NITROGEN IN SOIL	2025/05/21
2025/04316	A COMPOSITE MICROBIAL FERTILIZER AND ITS PREPARATION METHOD AND APPLICATION	2025/05/21
2025/04317	COMPOSITE PEPTIDE SOLID BEVERAGE AND PREPARATION METHOD THEREFORE	2025/05/21
2025/04318	PRIMER SET, DETECTION KIT, AND IDENTIFICATION METHOD FOR DETERMINING SPECIES ORIGIN OF DOE-PRODUCT	2025/05/21
2025/04355	WATER-SAVING PROCESSING TECHNOLOGY FOR COW HIDE WET-BLUE LEATHER	2025/05/22
2025/04357	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR RELIEVING ARTHRALGIA CAUSED BY BRUCELLA AND PREPARATION METHOD OF TRADITIONAL CHINESE MEDICINE COMPOSITION	2025/05/22
2025/04358	UNMANNED AERIAL VEHICLE AIRSPACE COLLABORATIVE SCHEDULING SYSTEM	2025/05/22
2025/04359	METHOD FOR SOIL ACID MODIFICATION, CARBON SEQUESTRATION AND FERTILIZATION OF SOUTHERN PADDY FIELDS	2025/05/22
2025/04360	FLEXIBLE VENTILATION SEAL AND METHOD OF MANUFACTURING SAME	2025/05/22
2025/04367	POWER GRID MULTI-LEVEL EVALUATION METHOD AND SYSTEM BASED ON POWER GRID DEVICE TRACEABILITY RECORD ITEM	2025/05/22
2025/04369	SMART ELBOW PROTECTOR AND USING METHOD THEREOF	2025/05/22
2025/04370	SMART KNEE PROTECTOR AND USING METHOD THEREOF	2025/05/22

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2025/04388	MULTIDIMENSIONAL VECTOR MODEL-BASED PREDICTION AND INTERVENTION METHOD FOR AIR POLLUTANT-INDUCED DISEASE TRENDS	2025/05/23
2025/04389	METHOD FOR PREDICTING THE HEIGHT OF WATER-CONDUCTING FRACTURE ZONE IN COAL MINE ROOF BASED ON SOA-KELM AND SYSTEM THEREOF	2025/05/23
2025/04390	ANTIMICROBIAL PEPTIDE COMPOSITION AND APPLICATION THEREOF	2025/05/23
2025/04391	PNEUMATIC ANCHOR DRILLING MACHINE FOR COAL MINE ROADWAY SUPPORT	2025/05/23
2025/04392	VR GLASSES AUXILIARY DESIGN EXPERIENCE DEVICE	2025/05/23
2025/04393	A PAPER CUTTER SUITABLE FOR A PAPERMAKING PRODUCTION LINE	2025/05/23
2025/04394	A WASTEWATER TREATMENT DEVICE SUITABLE FOR THE PAPERMAKING PROCESS	2025/05/23
2025/04396	UNIVERSAL MOUNTING BRACKET	2025/05/23
2025/04397	NOVEL ANTI-SKID ESCAPE WHEEL DEVICE	2025/05/23
2025/04398	SELF-POWERED ENERGY-SAVING PIPELINE SWITCH DEVICE	2025/05/23
2025/04402	LONG-SERVICE-LIFE BEARING STRUCTURE	2025/05/23
2025/04403	PLATFORM FOR DETECTING GHOST FREQUENCY NOISE OF GEAR PAIR	2025/05/23
2025/04424	PIPETTE TIP WITH PS-DVB-GMA AT OA-FE3O4 NANO-CONFINED MAGNETIC FILTER ELEMENT	2025/05/26
2025/04426	METHOD FOR GENERATING A GRAPHICAL USER INTERFACE FOR A SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY	2025/05/26
2025/04427	MACHINE-READABLE MEDIUM FOR GENERATING A GRAPHICAL USER INTERFACE FOR A SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY	2025/05/26
2025/04428	COMPUTER DEVICE FOR GENERATING A GRAPHICAL USER INTERFACE FOR A SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY	2025/05/26
2025/04429	SYSTEM FOR DETERMINING PARKING SPACE AVAILABILITY	2025/05/26

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2025/04430	MACHINE-READABLE MEDIUM FOR DETERMINING PARKING SPACE AVAILABILITY	2025/05/26
2025/04431	METHOD FOR DETERMINING PARKING SPACE AVAILABILITY	2025/05/26
2025/04432	COMPUTER DEVICE FOR DETERMINING PARKING SPACE AVAILABILITY	2025/05/26
2025/04433	MOBILE USER DEVICE FOR GENERATING XR SCENE USING WEB ENVIRONMENT OF MOBILE USER DEVICE AND PLAYBACK CORRECTION	2025/05/26
2025/04434	SYSTEM FOR GENERATING XR SCENE USING WEB ENVIRONMENT OF MOBILE USER DEVICE AND PLAYBACK CORRECTION	2025/05/26
2025/04435	MACHINE-READABLE MEDIUM FOR GENERATING XR SCENE USING WEB ENVIRONMENT OF MOBILE USER DEVICE AND PLAYBACK CORRECTION	2025/05/26
2025/04436	VEHICLE FOR COLLECTING DATA FOR MACHINE LEARNING COMPRISING DEVICE FOR COLLECTING DATA	2025/05/26
2025/04437	MACHINE-READABLE MEDIUM FOR TRAINING A MACHINE LEARNING MODEL OR COMPIRSING A TRAINED MACHINE LEARNING MODEL	2025/05/26
2025/04438	MACHINE-READABLE MEDIUM FOR DETERMINING PERMISSIBLE SPEED OF A VEHICLE	2025/05/26
2025/04439	MACHINE-READABLE MEDIUM FOR CONTROLLING A VEHICLE	2025/05/26
2025/04440	DEVICE FOR DETERMINING PERMISSIBLE SPEED OF A VEHICLE	2025/05/26
2025/04441	DEVICE FOR COLLECTING DATA FOR MACHINE LEARNING	2025/05/26
2025/04442	SYSTEM FOR COLLECTING DATA FOR MACHINE LEARNING	2025/05/26
2025/04443	VEHICLE FOR COLLECTING DATA FOR MACHINE LEARNING	2025/05/26
2025/04444	METHOD FOR COLLECTING DATA FOR MACHINE LEARNING	2025/05/26
2025/04445	SUPPORT STRUCTURE AND METHOD FOR REDUCING LOAD ON ARCH BRIDGE ABUTMENT	2025/05/26
2025/04446	PORTABLE INTELLIGENT INFORMATION ALL-IN-ONE MACHINE FOR PUBLIC INTEREST LITIGATION SERVICES	2025/05/26

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2025/04448	A RAPID-SETTING GEOPOLYMER CONCRETE AND ITS PREPARATION METHOD	2025/05/26
2025/04449	A MULTI-SOURCE SOLID WASTE-BASED LIGHTWEIGHT GEOPOLYMER CONCRETE, PREPARATION METHOD, AND APPLICATIONS	2025/05/26
2025/04450	METHOD FOR ASSESSING LIFESPAN OF ELECTRICAL EQUIPMENT BASED ON CLOUD COMPUTING	2025/05/26
2025/04451	IN-SITU AUTOMATIC MONITORING APPARATUS FOR GRASSLAND CARBON FLUX, AND MONITORING METHOD	2025/05/26
2025/04452	GAS-EXTRACTING IN-SITU AUTOMATIC MONITORING APPARATUS FOR GRASSLAND CARBON FLUX, AND MONITORING METHOD	2025/05/26
2025/04457	CELLULOSE NANOFILTRATION MEMBRANE AND ITS PREPARING METHOD	2025/05/26
2025/04491	A GEOTECHNICAL DETECTION DEVICE FOR GEOLOGICAL EXPLORATION OF DEBRIS FLOW DISASTERS	2025/05/27
2025/04492	ASSEMBLED CONNECTION STRUCTURE BASED ON BIM	2025/05/27
2025/04493	LOW-TEMPERATURE FERMENTATION DEVICE FOR STATIC COMPOSTING OF SOLID MANURE	2025/05/27
2025/04494	AN INTEGRATED AUDIT MANAGEMENT SYSTEM FOR FINANCIAL AND COMPLIANCE REPORTING	2025/05/27
2025/04495	MASS ELECTRICITY DEMAND MANAGEMENT SYSTEM AND METHOD	2025/05/27
2025/04496	BIAS ESTIMATION CONTROL METHOD BASED ON IMPROVED MINMAX MECHANISM	2025/05/27
2025/04497	TRAFFIC FLOW PLANNING EARLY WARNING SYSTEM	2025/05/27
2025/04498	DEFLECTOR	2025/05/27
2025/04499	STEPPED BIORETENTION DEVICE FOR HIGHWAY PAVEMENT RUNOFF	2025/05/27
2025/04500	PROCESS FOR COATING AN IMPLANT AND AN IMPLANT HAVING A CERAMIC MULTI-LAYER COATING	2025/05/27
2025/04502	A NUTRIENT RICH JAMUN MILLET COMPOSITE COOKIES FORMULATION	2025/05/27
2025/04531	METHOD FOR EXTRACTING BUILDING REGION STRUCTURE FEATURES AND	2025/05/28

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	PREDICTING EARTHQUAKE DAMAGE BASED ON FUZZY MATHEMATICS	
2025/04532	BUILDING THERMAL COMFORT MODEL PREDICTIVE CONTROL METHOD AND SYSTEM	2025/05/28
2025/04533	METHOD AND DEVICE FOR TRACING CAUSES OF MAJOR COAL MINE DISASTERS	2025/05/28
2025/04534	SIMULATION DATA GENERATION METHOD AND APPARATUS FOR MONITORING AND EARLY WARNING OF MAJOR COAL MINE HAZARDS	2025/05/28
2025/04536	KIT FOR SCREENING LACTATION YIELD OF JIANGYUE DONKEY AND APPLICATION THEREOF	2025/05/28
2025/04537	3D-PRINTED NAVIGATION TEMPLATE SUITABLE FOR CERVICAL VERTEBRAL LAMINAR SCREW PLACEMENT	2025/05/28
2025/04538	METHOD AND SYSTEM FOR ANALYZING CORRELATION PROBABILITY OF PAVEMENT STRUCTURAL STRENGTH AND STRUCTURAL DAMAGE	2025/05/28
2025/04539	A COMPOUND PROBIOTIC FERMENTATION COMPOSITION FOR PREVENTING AND TREATING EPITHELIAL CELL DAMAGE CAUSED BY MYCOTOXINS AND ITS APPLICATION	2025/05/28
2025/04540	USER INFORMATION SHARING MANAGEMENT METHOD AND SYSTEM BASED ON BIG DATA	2025/05/28
2025/04541	MOVABLE NEW MEDIA LIVE BROADCAST DEVICE	2025/05/28
2025/04544	DEVICE FOR CONVENIENTLY HARVESTING CAMELLIA OLEIFERA FRUITS AND USING METHOD THEREOF	2025/05/28
2025/04545	A METHOD FOR ENHANCING DURABILITY OF CONCRETE	2025/05/28
2025/04547	CLINICAL RESCUE AUXILIARY DEVICE FOR NEWBORNS	2025/05/28
2025/04548	MULTI-INTERFACE CONTROLLER FOR COMPUTER NETWORK SECURITY	2025/05/28
2025/04549	ECOLOGICAL ENVIRONMENT DATA PROCESSING METHOD FOR ECOLOGICAL RESTORATION	2025/05/28
2025/04550	RFID LABEL CONTINUOUS IDENTIFICATION DEVICE BASED ON INTERNET OF THINGS	2025/05/28
2025/04551	GREEN BUILDING DESIGN DEVICE BASED ON BIM TECHNOLOGY	2025/05/28

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2025/04552	METHOD FOR PREPARING NUTRIENT FOR PLANTING VEGETABLES WITH FRUIT PEELS	2025/05/28
2025/04553	METHOD AND APPARATUS FOR THREE-DIMENSIONAL IMAGE RECONSTRUCTION BASED ON SPARSE VIEWS, AND COMPUTER DEVICE	2025/05/28
2025/04555	PREPARATION PROCESS FOR LEVEL B1 HIGH FLAME RETARDANT NS TYPE FIREPROOF CABLE	2025/05/28
2025/04589	DEEP FOUNDATION PIT SLOPE DEFORMATION MONITORING METHOD, APPARATUS, STORAGE MEDIUM, AND ELECTRONIC DEVICE	2025/05/28
2025/04599	COMPOSITE FORCE FIELD MAGNETIC SEPARATION COLUMN FOR DRY SEPARATION OF FINE-GRAINED MATERIALS AND ITS APPLICATION	2025/05/29
2025/04600	AN ADJUSTABLE MOUNTING STRUCTURE FOR A FACIAL RECOGNITION DEVICE	2025/05/29
2025/04601	EXTRACTION METHOD AND APPLICATION OF PEPPER POLYPHENOLS WITH INHIBITORY ACTIVITY AGAINST PSEUDOMONAS FRAGI	2025/05/29
2025/04602	AN INTELLIGENT RECOGNITION METHOD FOR BRIDGE UNDERWATER IMAGE DEFECTS BASED ON CONVOLUTIONAL NEURAL NETWORKS	2025/05/29
2025/04603	EXTRACTION METHOD AND APPLICATION OF PEPPER POLYPHENOLS WITH ANTIOXIDANT ACTIVITIES	2025/05/29
2025/04604	MULTIFUNCTIONAL LOW-LACTOSE PREBIOTIC GOAT MILK POWDER AND PREPARATION METHOD THEREOF	2025/05/29
2025/04605	PROBIOTIC GOAT MILK POWDER CONTAINING ANTIHYPERTENSIVE PEPTIDES AND ANTIOXIDANT PEPTIDES AND PREPARATION METHOD THEREOF	2025/05/29
2025/04607	BIM TECHNIQUE-BASED WALL BUILDING DEVICE	2025/05/29
2025/04617	ENERGY STORAGE SYSTEM FOR VEHICLE AND MOUNTING SYSTEM FOR SAME	2025/05/29
2025/04620	ENERGY STORAGE SYSTEM FOR VEHICLE AND ALIGNMENT SYSTEM FOR SAME	2025/05/29

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2025/04651	BIG DATA-BASED INTELLIGENT WATER GAUGE RECOGNITION SYSTEM	2025/05/30
2025/04652	HIGH-EFFICIENCY BENEFICIATION METHOD FOR COMPLEX AND REFRACTORY TITANIUM PLACER	2025/05/30
2025/04663	VIRTUAL DEBUGGING AND SIMULATION METHOD FOR INDUSTRIAL ROBOT BASED ON DIGITAL TWIN	2025/05/30
2025/04664	VIRTUAL SIMULATION AND MONITORING METHOD FOR FIVE-AXIS COMPUTER NUMERICAL CONTROL MACHINE TOOL, AND READABLE STORAGE MEDIUM	2025/05/30
2025/04678	ELECTRICALLY-CONTROLLED HYDRAULIC ACTUATING SYSTEM OF AIRCRAFT	2025/05/30
2025/04695	A SMART AI-POWERED PERSONAL FINANCE ASSISTANT WITH INTEGRATED BEHAVIORAL ANALYTICS AND PREDICTIVE FINANCIAL MANAGEMENT SYSTEM	2025/06/02
2025/04696	A MODI SCRIPT IDENTIFICATION SYSTEM USING PDF SCANNING AND ANDROID APPLICATION	2025/06/02
2025/04697	A MULTILINGUAL SENTIMENTS ANALYSIS IN REAL-TIME CHAT SYSTEM	2025/06/02
2025/04699	A REAL-TIME DEEP LEARNING FRAMEWORK FOR AUTOMATED MALWARE DETECTION AND ANALYSIS WITH DYNAMIC ACTION THRESHOLDING FOR CYBERSECURITY PROFESSIONALS	2025/06/02
2025/04700	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS USING GRAPHICAL USER INTERFACE	2025/06/02
2025/04701	A FRIENDLY CHATBOT FOR MENTAL HEALTH SUPPORT AND CRISIS INTERVENTION	2025/06/02
2025/04702	A SYSTEM SUGGESTING CORROSION PROTECTION METHOD OF VARIOUS METALS IN DIFFERENT PH ENVIRONMENT	2025/06/02
2025/04703	METHOD FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/02
2025/04704	METHOD FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/02

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2025/04705	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/02
2025/04706	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/02
2025/04707	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/02
2025/04716	PHARMACEUTICAL COMPOSITION OF NON-ENVELOPED VIRUS	2025/06/02
2025/04717	CONTROL SYSTEM FOR A FORCED CIRCULATION STEAM GENERATOR	2025/06/02
2025/04726	WASHABLE FAUCET LEVER WITH CRANK ACTIVATED DETERGENT DISPENSER	2025/06/02
2025/04734	METHOD FOR DISTRIBUTING DOSAGE FORMS	2025/06/03
2025/04735	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNAL	2025/06/03
2025/04736	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING CONTROL SIGNAL	2025/06/03
2025/04737	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE	2025/06/03
2025/04738	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING CONTROL SIGNAL	2025/06/03
2025/04739	SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING WITH SERVER	2025/06/03
2025/04740	METHOD OF STORING DOSAGE FORMS IN ORIGINAL PACKAGING	2025/06/03
2025/04741	SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING	2025/06/03
2025/04742	MACHINE-READABLE STORAGE MEDIUM FOR DISTRIBUTING DOSAGE FORMS	2025/06/03
2025/04743	SERVER FOR A SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING	2025/06/03
2025/04744	METHOD FOR GENERATING INSTRUCTION TO GENERATE CONTROL SIGNAL	2025/06/03

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2025/04745	METHOD OF DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING	2025/06/03
2025/04746	SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING	2025/06/03
2025/04747	SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING WITH SERVER	2025/06/03
2025/04748	METHOD FOR GENERATING CONTROL SIGNAL	2025/06/03
2025/04749	DEVICE FOR STORING AND DISTRIBUTING DOSAGE FORMS	2025/06/03
2025/04750	DESERT SAND FIXATION AND SAND PREVENTION RAPID TREE PLANTING DEVICE	2025/06/03
2025/04751	A BUMPER CONNECTION DEVICE FOR MINING DUMP TRUCKS	2025/06/03
2025/04752	HYDROGEOLOGICAL SURVEY METHOD FOR UNDERGROUND COAL MINE	2025/06/03
2025/04753	A SUSPENSION SYSTEM FOR A MINING DUMP TRUCK	2025/06/03
2025/04758	FEW-SHOT OBJECT DETECTION METHOD BASED ON IMPLICIT FEATURE CONTRASTIVE LEARNING	2025/06/03
2025/04775	ALGINATE WITH ANTI-PHOTOAGING ACTIVITY AND PREPARATION METHOD AND USE THEREOF	2025/06/04
2025/04776	PREPARATION AND APPLICATION OF ENVIRONMENT-FRIENDLY FLOWER AND NURSERY STOCK CULTIVATION SUBSTRATE	2025/06/04
2025/04777	MONITORING, EARLY WARNING, AND SAFETY PREVENTION EQUIPMENT FOR THE FORESTRY AND GRASSLAND INDUSTRY SITUATION	2025/06/04
2025/04779	TESTING SYSTEM AND METHOD FOR PROTECTIVE ENGINEERING FAILURE UNDER STRONG IMPACT	2025/06/04
2025/04804	APPLICATION OF CALCIUM BETA-HYDROXY-BETA-METHYLBUTYRATE IN IMPROVING PRODUCTION PERFORMANCE OF HORSES	2025/06/05
2025/04807	PURLIN, PURLIN ASSEMBLY AND PHOTOVOLTAIC BRACKET	2025/06/05
2025/04809	BIOREACTOR AND ANAEROBIC REACTION TEST DEVICE	2025/06/05
2025/04811	A METHOD FOR METAGENOMIC ANALYSIS OF FUNGAL REPERTOIRE IN FERMENTED ZUSEM	2025/06/05
2025/04812	A SYSTEM AND METHOD FOR TEACHING A STUDENT SELF-	2025/06/04

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2025/04817	METHOD FOR SYNTHESIZING BRANCHED POLYETHYLENE WAX BY MEANS OF NICKEL CATALYSIS BY USING MIXED SPATIAL STRATEGY	2025/06/05
2025/04831	MULTI-STAGE ACTIVE TELESCOPIC BELT CONVEYOR	2025/06/05
2025/04838	MACHINE LEARNING-BASED COAL MINE WATER HAZARD RISK PREDICTION METHOD AND SYSTEM	2025/06/06
2025/04839	OFFSHORE FLOATING WIND POWER GENERATION EQUIPMENT	2025/06/06
2025/04840	MULTI-EFFECT STRESS-RESISTANT AGENT FOR ORNAMENTAL GRASSES AND PREPARATION PROCESS THEREOF	2025/06/06
2025/04841	AN AUXILIARY MOUNTING BRACKET FOR FLIGHT CONTROL OF A QUADROTOR UAV	2025/06/06
2025/04842	A HEPATOCYTE SAMPLE COLLECTION DEVICE	2025/06/06
2025/04844	A PORTABLE ANGLE-ADJUSTABLE TELESCOPIC SURVEYING SUPPORT	2025/06/06
2025/04847	BIM-BASED ENGINEERING COST AND SITE CONSTRUCTION AUXILIARY DEVICE	2025/06/06
2025/04849	PROBABILITY DEMONSTRATION DEVICE	2025/06/06
2025/04850	REMOTE MONITORING AND INTELLIGENT FAULT DIAGNOSIS SYSTEM FOR WIND FARM	2025/06/06
2025/04851	ELECTRONIC INFORMATION COMMUNICATION BASE STATION	2025/06/06
2025/04852	BUILDING OUTER WALL CONSTRUCTION QUALITY DETECTION DEVICE	2025/06/06
2025/04876	METHOD FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/09
2025/04877	METHOD FOR GENERATING CONTROL SIGNAL	2025/06/09
2025/04879	METHOD FOR GENERATING NOTIFICATION TO BE DISPLAYED BY OUTPUT DEVICE	2025/06/09
2025/04880	ACTIVATION METHOD FOR WASTE CONCRETE MICROPOWDER	2025/06/09
2025/04881	METHOD FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/09

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2025/04882	USER DEVICE OF SYSTEM FOR DISTRIBUTING DOSAGE FORMS IN ORIGINAL PACKAGING	2025/06/09
2025/04883	LOW-COST OFFSHORE AUTOMATIC YAW FLOATING FOUNDATION WITH MULTI-HEAD WIND TURBINE	2025/06/09
2025/04884	INTEGRATED BIOMECHANICAL PROSTHETIC ARM WITH EMBEDDED MACHINE LEARNING AND MULTIFUNCTIONAL USER INTERFACE	2025/06/09
2025/04887	METHOD FOR OBSERVING SOIL MICROPLASTICS BASED ON DENSITY SEPARATION METHOD	2025/06/09
2025/04902	MULTIFUNCTIONAL STERILIZATION DEVICE FOR BURN UNIT MEDICAL INSTRUMENT	2025/06/09
2025/04903	EMERGENCY WATER DIVERSION CONSTRUCTION METHOD FOR WASTEWATER TREATMENT PLANT	2025/06/09
2025/04904	PRECISION TUBE-DRAWING DEVICE FOR MANUFACTURING GLASS PASTEUR PIPETTE	2025/06/09
2025/04905	TRAIN WHEELSET AND OVERHANG DESIGN AND CALCULATION METHOD THEREOF, AND TRAIN	2025/06/09
2025/04906	RAILWAY WHEEL	2025/06/09
2025/04910	RECOMBINANT ANTIBODY, PHARMACEUTICAL COMPOSITION COMPRISING THE SAME, AND USES THEREOF IN TREATING CANCERS	2025/06/09
2025/04917	BENZALDEHYDE COMPOUNDS WITH DIRECT POLYMER DESTABILIZING EFFECTS TO TREAT SICKLE CELL DISEASE	2025/06/09
2025/04921	TOWER BEAM TEMPORARY CONSOLIDATION DEVICE FOR DEMOLITION OF CABLE-STAYED BRIDGES	2025/06/09
2025/04926	CONSTRUCTION METHOD FOR COMPOSITE FOUNDATION AND PILE FOUNDATION THROUGH PNEUMATIC DOWN-THE-HOLE HAMMER VIBRATION JET GROUTING PILE WITH INSERTED STEEL PIPES	2025/06/10
2025/04927	PREPARATION METHOD OF TARTARY BUCKWHEAT CHIPS	2025/06/10
2025/04928	CRISP RED PLUM-FLAVORED RICE WINE AND PREPARATION METHOD THEREOF	2025/06/10
2025/04930	HEAVY METAL REMEDIATION AGENT FOR PLATEAU TAILINGS AND PREPARATION METHOD AND APPLICATION THEREOF	2025/06/10

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2025/04931	SYSTEM AND METHOD FOR EFFICIENTLY PURIFYING GRAPHENE OXIDE	2025/06/10
2025/04934	THREE-DIMENSIONAL RETICULATED IRON-MANGANESE MICROSPHERE MATERIAL, PREPARATION METHOD AND APPLICATION	2025/06/10
2025/04935	METHOD AND SYSTEM OF THE LEACH ROUTING PROTOCOL BASED ON THE GOLD RUSH OPTIMIZER ALGORITHM	2025/06/10
2025/04938	METHOD FOR RECOVERING ENHANCED FINE-GRAINED TITANIUM ORE TECHNICAL FIELD	2025/06/10
2025/04941	COMPOSITION OF BIODEGRADABLE PECTIN-BASED ACTIVE PACKAGING FILM FUNCTIONALIZED WITH ANOGEISSUS DHOFARICA EXTRACT	2025/06/10
2025/04955	INTELLIGENT COLLECTION AND STORAGE SYSTEM FOR SNAIL STEM CELLS	2025/06/11
2025/04956	COMPOUND FERTILIZER FOR INCREASING YIELDS OF MORCHELLA ESCULENTA (L.) PERS. AND GANODERMA LUCIDUM (CURTIS) P. KARST. IN ROTATIONAL CULTIVATION	2025/06/11
2025/04957	BUILDING DEFORMATION MONITORING APPARATUS BASED ON COMPUTER VISION	2025/06/11
2025/04964	A VEGETATION BIOMASS MONITORING METHOD BASED ON HYPERSPECTRAL SHRUB GRASS SEGMENTATION	2025/06/11
2025/04965	MEASUREMENT METHOD AND SYSTEM ROF FOREST CARBON STORAGE FROM SINGLE TREE TO REGIONAL FOREST BASED ON HYPERSPECTRAL IMAGING	2025/06/11
2025/04972	WIND TURBINE BLADE	2025/06/11
2025/04990	FLOATING COMB-TYPE BREAKWATER AND OSCILLATING BUOY WAVE ENERGY INTEGRATED MULTI-FIELD COUPLING EXPERIMENTAL DEVICE AND METHOD	2025/06/12
2025/04991	RIVER TREATMENT DEVICE FOR BLACK AND ODOROUS WATER BODIES	2025/06/12
2025/04992	CLAMPING STRIP BELOW FRONT WINDSHIELD	2025/06/12
2025/04995	PREPARATION METHOD OF FLAVORED DOUCHI	2025/06/12
2025/04996	SOIL COLUMN DEVICE FOR SIMULATING INFLUENCE OF MANURE	2025/06/12

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	ON SALINE-ALKALI SOIL LEACHING, GREENHOUSE GAS EMISSION AND AMMONIA VOLATILIZATION AND USING METHOD THEREOF	
2025/04997	A COMPREHENSIVE PLANT CARE SYSTEM WITH AR DESIGN, DISEASE SCANNING AND AI GUIDANCE	2025/06/12
2025/04998	A PYTHON BASED SYSTEM FOR VISUALIZATION OF CALL STACK DYNAMICS IN C PROGRAMS	2025/06/12
2025/04999	INTELLIGENT SEEDING DEVICE FOR ADAP	2025/06/12
2025/05002	DISTRIBUTED STORAGE BLOCKCHAIN DATA SECURITY PROTECTION CABINET	2025/06/12
2025/05004	A BEVERAGE COASTER WITH INTEGRATED SENSORS FOR REAL-TIME TEMPERATURE MONITORING AND REGULATION	2025/06/12
2025/05005	AN AI-ASSISTED DISEASE DIAGNOSIS SYSTEM VIA MEDICAL IMAGING FOR DENTAL HEALTH	2025/06/12
2025/05006	AN EEG SIGNALS BASED BRAIN-COMPUTER INTERFACE SYSTEM FOR CONTROLLING ROBOTIC MOTIONS	2025/06/12
2025/05007	SUPPORTING DEVICE ADAPTABLE TO RADIAL DEFORMATION OF STEEL PLATE SEALING LAYER	2025/06/12
2025/05022	THERMAL RUNAWAY MITIGATION IN ELECTRIC MINING MACHINES	2025/06/12
2025/05026	EXPRESSION CASSETTE OF ANTIGENIC EPITOPES OF INFECTIOUS LARYNGOTRACHEITIS VIRUS (ILTV) GLYCOPROTEIN D (GD), RECOMBINANT VIRUS, AND USES THEREOF	2025/06/13
2025/05027	AN ELECTROMECHANICAL INTEGRATED INTERLOCKING AUTOMATIC CONTROL DEVICE	2025/06/13
2025/05028	APPLICATION OF ZINC-ENRICHED BIOCHAR PREPARED FROM MANURE OF NURSERY PIGS IN IMPROVEMENT OF ZINC CONTENT OF WHEAT	2025/06/13
2025/05030	TOMATO WATER-FERTILIZER INTEGRATED DEVICE	2025/06/13
2025/05032	COUPLING SIMULATION DEVICE OF UNDERGROUND WATER-COMPRESSED AIR ENERGY STORAGE TUNNEL	2025/06/13
2025/05033	FOLDABLE TABLE	2025/06/13
2025/05054	KNOWLEDGE DISTILLATION METHOD BASED ON REVERSE FEATURE FUSION AND CLASSIFIER REUSE	2025/06/13

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2025/05061	METHODS OF PREPARING GLUFOSINATE	2025/06/13
2025/05069	DEVICE FOR STORING AND DISTRIBUTING DOSAGE FORMS WITH TRANSCEIVER	2025/06/17
2025/05072	MULTIVALENT MULTI-TARGET OHA-GX1 ANTI-TUMOR COMPOSITION	2025/06/17
2025/05097	FUCOIDAN DEGRADED BY DIELECTRIC BARRIER DISCHARGE PLASMA, PREPARATION METHOD THEREFOR AND USE THEREOF	2025/06/17
2025/05112	DISINFECTION AND STERILIZATION MACHINE	2025/06/17
2025/05125	METHOD FOR CONSTRUCTING AN EXPERIMENTAL MURINE MODEL OF HEART FAILURE WITH PRESERVED EJECTION FRACTION	2025/06/18
2025/05131	HARNESS WIRE	2025/06/18
2025/05134	AN IOT BASED CYBER SECURITY SYSTEM FOR SMART CITIES TO BOOST OPENNESS AND SAFETY	2025/06/18
2025/05135	A REAL-TIME PERFORMANCE MONITORING AND ANALYSIS SYSTEM FOR CLOUD APPLICATIONS	2025/06/18
2025/05136	AN IOT BASED BIOGAS MONITORING SYSTEM WITH AI-DRIVEN PREDICTIVE DEPLETION ALERTS AND ECO SAVINGS	2025/06/18
2025/05137	A HYBRID DECISION TREE SYSTEM FOR ENHANCING ACCURACY IN VIRTUAL HEALTHCARE	2025/06/18
2025/05138	A BLOCKCHAIN BASED INTELLIGENT VEHICLE INSURANCE SYSTEM	2025/06/18
2025/05139	BIOPOLYMER FILM COMPOSITION CONTAINING SODIUM ALGINATE LOADED WITH ACRIDOCARPUS ORIENTALIS STEM EXTRACT	2025/06/18
2025/05140	AN IOT BASED EMERGENCY TRAFFIC MANAGEMENT SYSTEM FOR AMBULANCE PRIORITY AT 4-WAY SIGNAL INTERSECTIONS	2025/06/18
2025/05141	AN AI POWERED TRAVEL AND TOURISM SYSTEM WITH PERSONALIZED TRIP RECOMMENDATIONS AND UNEXPLORED AREAS EXPLORATION	2025/06/18
2025/05206	MACHINE-READABLE STORAGE MEDIUM FOR GENERATING A DATABASE QUERY BASED ON WEB CONTENT ANALYSIS	2025/06/19
2025/05207	METHOD FOR GENERATING A DATABASE QUERY BASED ON WEB	2025/06/19

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2025/05209	VETERINARY DRUG CRUSHING AND PROPORTIONING DEVICE	2025/06/19
2025/05245	VELOCITY AMBIGUITY RESOLUTION METHOD BASED ON HYPOTHETICAL PHASE COMPENSATION	2025/06/19
2025/05251	GRAIN CLASSIFICATION AND RECOGNITION METHOD AND SYSTEM BASED ON IMAGE ANALYSIS	2025/06/20
2025/05258	SYSTEM FOR ENRICHING CLAY MINERALS FROM COAL SLIME AND OPERATION METHOD THEREOF	2025/06/20
2025/05259	METHOD FOR ESTIMATING NITROGEN IN BEET LEAVES BASED ON HYPERSPECTRAL DATATECHNICAL FIELD	2025/06/20
2025/05260	A METHOD FOR BEET GROWTH MONITORING AND YIELD-QUALITY EVALUATION BASED ON MULTI-SOURCE DATA FUSION AND DEEP LEARNING	2025/06/20
2025/05261	AN INTELLIGENT DECISION-MAKING METHOD FOR SMART BEET CULTIVATION BASED ON THE SPACE-AIR-GROUND INTEGRATED NETWORK	2025/06/20
2025/05262	A DESERTIFICATION DEGREE DISCRIMINATION METHOD BASED ON REMOTE SENSING	2025/06/20
2025/05329	MOLECULE PRODUCTION SYSTEM AND METHOD	2025/06/23
2025/05365	UNMANNED AERIAL VEHICLE INSPECTION SYSTEM	2025/06/24
2025/05366	METHOD FOR ENHANCING THERAPEUTIC EFFICACY THROUGH ELEVATING HUMAN BODY TEMPERATURE GUIDANCE IN TRADITIONAL CHINESE MEDICINE ONCOLOGY	2025/06/24
2025/05706	CARBIDE SUPPORTED CATALYSTS	2025/07/04
2025/05707	BINARY METAL OXIDE CATALYSTS	2025/07/04
2025/05821	BOTTLE	2025/07/08
2025/05937	ORAL PRODUCT FOR DELIVERY OF AN ACTIVE INGREDIENT	2025/07/11
2025/06596	CARBON STEEL COMPOSITE MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2025/08/06
2025/06993	METHOD AND DEVICE FOR LOSSLESS COMPRESSION OF HIGHWAY STRUCTURAL INFORMATION MONITORING DATA	2025/08/21

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2025/08124	ATHEROSCLEROSIS-TARGETED LIPOSOME NANOCARRIER DELIVERY SYSTEM AND PREPARATION METHOD THEREFOR	2025/09/23
2025/08201	WIDE-TEMPERATURE-RANGE LITHIUM/FLUORINATED CARBON BATTERY, CATHODE MATERIAL, AND ELECTROLYTE	2025/09/26
2025/08806	SOLID COMPOSITIONS COMPRISING A GLP-1 AGONIST, A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIC ACID AND A LUBRICANT	2025/10/20
2025/09728	STAGGERED MINING METHOD UNDER PRE-SUPPORT CONDITIONS AND ITS APPLICATION	2025/11/14
2025/09996	SUPERCAPACITOR CONTROL CIRCUIT AND METHOD FOR INTELLIGENTLY IDENTIFYING STARTING MODE OF VEHICLE	2025/11/24
2025/10190	SAFETY MANAGEMENT SYSTEM FOR HIGHLY DANGEROUS PROJECTS	2025/11/27
2025/10255	CRYSTAL FORMS OF SODIUM SALT OF POLYCYCLIC CARBAMOYLPYRIDONE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2025/11/28
2025/10611	MULTIPLE SINGLE NUCLEOTIDE POLYMORPHISM-BASED PORCINE 50K LIQUID CHIP, AND USE THEREOF	2025/12/09
2025/10619	COMPOSITION FOR PRODUCING COMPONENTS	2025/12/09
2025/10620	MULTIPLE SINGLE-NUCLEOTIDE POLYMORPHISM-BASED 10K LIQUID PHASE CHIP FOR PIG, AND USE THEREOF	2025/12/09
2025/10690	CUTTING BALLOON DILATATION CATHETER	2025/12/11
2025/10763	INTELLIGENT DOUBLE-HEAD FACE MILLING MACHINE	2025/12/15
2025/10856	CALIBRATION METHOD FOR ORTHOGONAL MOTION DETECTION	2025/12/17
2025/10857	METHOD, DEVICE, AND EQUIPMENT FOR DETECTING THE ADHESION FORCE OF THE LOCKING SURFACE OF A TURNOUT LOCKING	2025/12/17
2025/11125	METHOD AND SYSTEM FOR BIG DATA VISUAL CONFIGURATION	2025/12/23
2026/00124	METHOD FOR EXTRACTING MINERAL ALTERATION FEATURES BASED ON HYPERSPECTRAL REMOTE SENSING TECHNOLOGY	2026/01/05

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2026/00138	SINTERING MACHINE HEAD ELECTROSTATIC PRECIPITATION SYSTEM AND METHOD	2026/01/05
2026/00466	AN INTELLIGENT PRODUCTION SCHEDULING OPTIMIZATION METHOD AND SYSTEM BASED ON A LARGE MODEL	2026/01/13
2026/00722	CASTING AND FORMING CONTROL METHOD, CASTING DEVICE, AND SYSTEM FOR BRAKE DISC	2026/01/19
2026/00726	ALFALFA MSKTI3 NUCLEIC ACID MOLECULE AND APPLICATION THEREOF IN IMPROVING PLANT SALT TOLERANCE	2026/01/19
2026/00732	BIPOLAR NERVE MONITORING DEVICE SPECIAL FOR ENDOSCOPIC THYROID SURGERY	2026/01/19
2026/00782	METHOD AND SYSTEM FOR MONITORING CASSAVA BREEDING ENVIRONMENT BASED ON DATA ANALYSIS	2026/01/20
2026/00996	INTELLIGENT CONTROL AND MANAGEMENT METHOD FOR PULSED POWER SUPPLY AND RELATED DEVICES	2026/01/23
2026/01034	AUTOMATIC PALLETIZING DEVICE FOR CONTAINER CORNER FITTINGS	2026/01/26
2026/01039	AGGREGATION METHOD AND SYSTEM FOR DONG TRADITIONAL ARCHITECTURAL STRUCTURES BASED ON SPATIAL UNIT CLUSTERS AND MORPHOLOGICAL COUPLING	2026/01/26
2026/01077	A FAULT EARLY WARNING METHOD FOR A TAILINGS PASTE BACKFILLING SYSTEM	2026/01/27
2026/01078	SPLIT WIRE HARNESS CONNECTION STRUCTURE	2026/01/27
2026/01080	METALLOGENIC PREDICTION METHOD AND SYSTEM BASED ON GEOLOGICAL BIG DATA	2026/01/27
2026/01124	METHOD FOR TREATING STEEL PLANT WASTEWATER	2026/01/28
2026/01146	VIBRATION REDUCTION ASSEMBLY FOR HIGH-CAPACITY WASHING MACHINE	2026/01/28
2026/01163	HEAT-CONDUCTING GRAPHENE SHEET AND PREPARATION METHOD THEREFOR	2026/01/28
2026/01280	FIRING SEALING APPARATUS FOR FILAMENT LAMP BULB	2026/01/30
2026/01349	MULTI-PROBE INTELLIGENT MICROWAVE PHYSIOTHERAPY INSTRUMENT	2026/02/02

DESIGNS

Advertisement List for February 2026

Number of Advertised Designs: 126

Application Number	Design Articles	Filing Date
A2024/01142	ROUND	2024/11/07
A2024/01151	OSCILLOMETER	2024/11/12
A2024/01176	MASSAGE DEVICE	2024/11/21
A2024/01249	Container	2024/12/04
A2024/01250	Container	2024/12/04
A2024/01251	Jug	2024/12/04
A2024/01252	Jug	2024/12/04
A2024/01253	Jug	2024/12/04
A2024/01255	Lid for a Container	2024/12/04
A2024/01256	Container	2024/12/04
A2024/01257	Container	2024/12/04
A2024/01260	Connector	2024/12/04
A2024/01328	End caps for vehicle covers	2024/12/17
A2024/01373	Electrical socket outlets and adapters	2024/12/19
A2025/00409	INFLATABLE PRELOAD DEVICE	2025/04/14
A2025/00467	Housing for a Rotary Atomizer	2025/05/02
A2025/00468	Housing for a Rotary Atomizer	2025/05/02
A2025/00469	OVAL-CYCLINDRIC 2-SLICE TOASTER	2025/05/02
A2025/00471	KANGAROO POCKET DESIGN REFRIGERATOR	2025/05/05
A2025/00472	OVAL ELECTRIC-KETTLE	2025/05/05
A2025/00473	Watch Movement	2025/05/05
A2025/00474	Timepiece Escapement	2025/05/05
A2025/00475	Timepiece Escapement	2025/05/05
A2025/00476	Escapement Wheel	2025/05/05
A2025/00477	COOKING POT	2025/05/05
A2025/00479	CLAMPS	2025/05/06
A2025/00480	AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE	2025/05/07
A2025/00481	AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE	2025/05/07
A2025/00482	AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE	2025/05/07
A2025/00483	AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE	2025/05/07
A2025/00484	AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE	2025/05/07

Application Number	Design Articles	Filing Date
A2025/00485	AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE	2025/05/07
A2025/00486	PENCILS	2025/05/07
A2025/00487	PENCILS	2025/05/07
A2025/00488	PENCILS	2025/05/07
A2025/00489	Drinking Cups	2025/05/07
A2025/00492	SHOE SOLE	2025/05/08
A2025/00493	SHOE SOLE	2025/05/08
A2025/00495	Refillable Cosmetic Stick Holder	2025/05/09
A2025/00496	Refillable Cosmetic Stick Holder	2025/05/09
A2025/00498	NAIL POLISH CONTAINERS	2025/05/12
A2025/00502	Watch	2025/05/13
A2025/00503	Watch	2025/05/13
A2025/00504	Watch	2025/05/13
A2025/00505	BACKPACKS	2025/05/13
A2025/00506	BACKPACKS	2025/05/13
A2025/00507	BOTTLES	2025/05/13
A2025/00535	PASSIVE DIFFUSER DEVICE	2025/05/16
A2025/00537	PASSIVE DIFFUSER DEVICE	2025/05/16
A2025/00539	SOAP	2025/05/19
A2025/00540	SOAP	2025/05/19
A2025/00541	SOAP	2025/05/19
A2025/00545	FOLDABLE SMALL CONTAINER	2025/05/20
A2025/00570	Gymnasium Equipment	2025/05/22
A2025/00573	Spraying Head	2025/05/23
A2025/00574	Spraying Head	2025/05/23
A2025/00575	Spraying Head	2025/05/23
A2025/00576	Spraying Head	2025/05/23
A2025/00577	BEVERAGE DISPENSERS	2025/05/23
A2025/00578	Containers	2025/05/23
A2025/00579	Containers	2025/05/23
A2025/00580	Containers	2025/05/23
A2025/00581	Containers	2025/05/23
A2025/00582	MATS FOR VEHICLES	2025/05/23
A2025/00583	MATS FOR VEHICLES	2025/05/23
A2025/00584	MATS FOR VEHICLES	2025/05/23
A2025/00586	MATS FOR VEHICLES	2025/05/23
A2025/00587	MATS FOR VEHICLES	2025/05/23
A2025/00588	MATS FOR VEHICLES	2025/05/23
A2025/00589	MATS FOR VEHICLES	2025/05/23
A2025/00591	MATS FOR VEHICLES	2025/05/23
A2025/00592	MATS FOR VEHICLES	2025/05/23
A2025/00593	MATS FOR VEHICLES	2025/05/23
A2025/00594	MATS FOR VEHICLES	2025/05/23
A2025/00595	MATS FOR VEHICLES	2025/05/23
A2025/00596	MATS FOR VEHICLES	2025/05/23
A2025/00597	MATS FOR VEHICLES	2025/05/23
A2025/00598	MATS FOR VEHICLES	2025/05/23
A2025/00601	Wristwatch	2025/05/26

Application Number	Design Articles	Filing Date
A2025/00602	Watch Case	2025/05/26
A2025/00607	CAN ENDS	2025/05/27
A2025/00608	CAN ENDS	2025/05/27
A2025/00609	MULTI-FUNCTIONAL CONTAINER	2025/05/27
A2025/00611	Wireless Remote Control	2025/05/27
A2025/00614	COFFEE MACHINES	2025/05/28
A2025/00615	WATCHES	2025/05/28
A2025/00616	COFFEE MACHINES	2025/05/28
A2025/00618	FUEL CELL APPARATUS	2025/05/28
A2025/00619	Automotive Vehicle	2025/05/28
A2025/00620	Three Wheeled Vehicle	2025/05/28
A2025/00621	Three Wheeled Vehicle	2025/05/28
A2025/00622	Three Wheeled Vehicle	2025/05/28
A2025/00628	Illumination Device	2025/05/30
A2025/00631	PISTOL	2025/06/03
A2025/00632	PISTOL	2025/06/03
A2025/00694	TYRE	2025/06/06
A2025/00699	TYRE	2025/06/06
A2025/00710	CATAMARAN	2025/06/10
A2025/00712	TROLLEY	2025/06/10
A2025/00731	DISPLAY WITH A GRAPHICAL USER INTERFACE	2025/06/12
A2025/00732	DISPLAY WITH A GRAPHICAL USER INTERFACE	2025/06/12
A2025/00734	DISPLAY WITH A GRAPHICAL USER INTERFACE	2025/06/13
A2025/00735	DISPLAY WITH A GRAPHICAL USER INTERFACE	2025/06/13
A2025/00795	AUTOMOBILE	2025/06/27
A2025/01246	A SERVING PADDLE	2025/10/20
A2025/01250	A SERVING PADDLE	2025/10/20
F2024/00255	FLY AND FRUIT FLY TRAP	2024/03/08
F2024/01143	ROUND	2024/11/07
F2024/01327	End caps for vehicle covers	2024/12/17
F2024/01372	Electrical socket outlets and adapters	2024/12/19
F2025/00410	INFLATABLE PRELOAD DEVICE	2025/04/14
F2025/00453	GLOVE	2025/04/29
F2025/00536	PASSIVE DIFFUSER DEVICE	2025/05/16
F2025/00538	PASSIVE DIFFUSER DEVICE	2025/05/16
F2025/00546	FOLDABLE SMALL CONTAINER	2025/05/20
F2025/00571	Gymnasium Equipment	2025/05/22
F2025/00610	MULTI-FUNCTIONAL CONTAINER	2025/05/27
F2025/00613	Clamp	2025/05/27
F2025/00695	TYRE	2025/06/06
F2025/00700	TYRE	2025/06/06
F2025/00711	TROLLEY	2025/06/10
F2025/00713	SEEDING POINT	2025/06/11
F2025/00716	SEEDING POINT HOLDER	2025/06/11
F2025/00717	CLOSING DEVICE FOR CLOSING A SOIL SLOT FORMED BY A POINT ELEMENT	2025/06/11

Application Number	Design Articles	Filing Date
F2025/00718	SURGICAL INSTRUMENTATION LEVER	2025/06/12
F2025/00720	SURGICAL ROD INTRODUCER	2025/06/12