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INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

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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 2025/09/19 -

2025/08038 ~ Complete ~54:MOBILE DEVICE FOR COLLECTING AND COMPACTING WASTE ~71:DLR GBR, Hans-Cornelius-Strasse 4, Germany ~72: DAVENPORT, Daniel Christoph;LUKAS, Christian Joseph;VON SCHUTTENBACH PYZIAK, Andrzej~ 33:EP ~31:23170158.2 ~32:26/04/2023

2025/08023 ~ Provisional ~54:CALLERGUARD – ADVANCED CALLER ID VERIFICATION AND ANTI-SPOOFING SYSTEM WITH INTEGRATED VOICE BIOMETRIC AUTHENTICATION ~71:Aubrey, 145, International Bureau of the World Intellectual Property Organisation ~72: Aubrey Modise~ 33:IB ~31:1 ~32:17/09/2025

2025/08026 ~ Complete ~54:MULTIFUNCTIONAL VAGINAL SPECULUM ~71:Guangzhou Medical University Affiliated Qingyuan Hospital (Qingyuan People's Hospital), No. 35, Yinquan North Road, Qingcheng District, Qingyuan, Guangdong, People's Republic of China ~72: CHENG, Jinhuan;ZHANG, Jieyi~ 33:CN ~31:2025111375023 ~32:13/08/2025

2025/08020 ~ Provisional ~54:THE GENERAL AND SPECIAL CASE OF ORGANIC QUANTUM ELECTRODYNAMIC PHOTODISSOCIATION (OQEPD) AND STIMULATED LIGHT ORGANIC PHOTODISSOCIATION ENERGY (SLOPE) ~71:DEFRIES, Anthony, 2 Northcliff Manor, 12 Waugh Avenue, Northcliff, South Africa ~72: DEFRIES, Anthony~

2025/08022 ~ Provisional ~54:BOLTER MACHINE ~71:Johannes Jacobus Naude, 12 Arend Avenue, South Africa ~72: Johannes Jacobus Naude~

2025/08145 ~ Provisional ~54:FLICK SOCCER ~71:Tshepo William Sekgobela, 24 Leslie Avenue, South Africa ~72: Tshepo William Sekgobela~

2025/08017 ~ Provisional ~54:MECHANICAL SECURING OF ELONGATE MEMBERS ~71:CLAASSEN, George Frederick, 12 Londolozi Street, Moreleta Park, South Africa ~72: CLAASSEN, George Frederick~

2025/08030 ~ Complete ~54:INHIBITORS OF PTP1B / NCK1 INTERACTION AND METHODS OF MAKING AND USING SAME ~71:RADELLA PHARMACEUTICALS LLC, 1209 Orange Street, Wilmington, United States of America ~72: DALL'ANGELO, Sergio;DEKERYTE, Ruta;DELIBEGOVIC, Mirela;GREIG, Iain Robert;HAMER, Meghan Marie;MCEWAN, Andrew Robert~ 33:US ~31:63/486,457 ~32:22/02/2023

2025/08032 ~ Complete ~54:SYNTHESIS OF A HIPPO-YAP PATHWAY MODULATOR AND A POLYMORPH THEREOF ~71:VIVACE THERAPEUTICS, INC., 1510 Fashion Island Boulevard, Suite 310, United States of America ~72: KONRADI, Andrei W.;WILSON, Jo Ann Zbur;ZELLER, James Robert~ 33:US ~31:63/492,440 ~32:27/03/2023

2025/08033 ~ Complete ~54:THERMAL ENERGY RECOVERY DEVICES FOR ELECTRICALLY HEATED CRACKING PROCESSES ~71:ARVOS GmbH, Ellenbacher Straße 10, KASSEL 34123, GERMANY, Germany;BASF SE, Carl-Bosch-Strasse 38, LUDWIGSHAFEN AM RHEIN 67056, GERMANY, Germany;Linde GmbH, Dr. Carl-von-Linde-Straße 6-14, PULLACH 82049, GERMANY, Germany;SABIC Global Technologies B.V., Plasticslaan 1, BERGEN OP ZOOM 4612 PX, THE NETHERLANDS, Netherlands ~72: BROEKHUIS, Robert;EBERSTEIN, Christopher;HAUNERT, Andrea;HETZER, Jens;HUCKMAN, Michael Edward;LINNENKOHL, Andreas;OPRINS, Arno Johannes Maria;SCHLIETER, Thorsten;SCHMIDT, Gunther;SCHROER, Joseph William;SINN, Tobias;STEVENSON, Scott A.;STÜCKRATH, Karsten;VELASCO PELAEZ, Raul;WEIDENFELLER, Jörg;ZELLHUBER, Mathieu~ 33:US ~31:63/486,064 ~32:21/02/2023;33:EP ~31:23162686.2 ~32:17/03/2023

2025/08037 ~ Complete ~54:METHOD FOR PREPARING RAW MATERIALS FOR BOILING CHLORINATION FROM TITANIUM SLAG ~71:HENAN BILLIONS ADVANCED MATERIAL CO., LTD., Western Industrial Agglomeration Area Jiaozuo, Henan, 454150, People's Republic of China;LB GROUP CO., LTD., Feng Feng Office, Zhong Zhan District Jiaozuo, Henan, 454150, People's Republic of China;SICHUAN LOMON MINING & METALLURGY CO., LTD., Pinggu Village, Xinjiu Township, Yanbian County Panzhihua, Sichuan, 617100, People's Republic of China ~72: CHEN, Shuzhong;DOU, Jun;HE, Benliu;HE, Gaofeng;LIU, Panpan;PENG, Zhonghui;XIAO, Shasha;ZHANG, Kun;ZHANG, Yurong;ZHU, Jinglei~ 33:CN ~31:202310317218.9 ~32:28/03/2023

2025/08039 ~ Complete ~54:METHODS AND APPARATUSES FOR PRODUCING OLEFINS ~71:ARVOS GMBH, Ellenbacher Str. 10, Germany;BASF SE, Carl-Bosch-Str. 38, Germany;LINDE GMBH, Dr.-Carl-von-Linde-Strasse 6-14, Germany;SABIC GLOBAL TECHNOLOGIES B.V., Plasticslaan 1, Netherlands ~72: BROEKHUIS, Robert Roger;BRUDER, David;EBERSTEIN, Christopher;HAUNERT, Andrea;HETZER, Jens;LINNENKOHL, Andreas;SCHLIETER, Thorsten;SCHMIDT, Gunther;SCHROER, Joseph William;SINN, Tobias;STÜCKRATH, Karsten;WEIDENFELLER, Jörg;ZELLHUBER, Mathieu~ 33:US ~31:63/447,093 ~32:21/02/2023;33:EP ~31:23165609.1 ~32:30/03/2023

2025/08018 ~ Provisional ~54:ELECTRICITY GENERATION ~71:Whybrow, John Sheldon, 18 Church Street, Swellendam 6740, Western Cape, SOUTH AFRICA, South Africa ~72: Whybrow, John Sheldon~

2025/08021 ~ Provisional ~54:CANBOT ~71:MADILENG CHOSHI KGAUGELO LUCAS, 169 THE ALOES STREET KAREN PARK, South Africa ~72: MADILENG CHOSHI KGAUGELO LUCAS~

2025/08029 ~ Complete ~54:VIBRATION SIGNAL ACQUISITION AND WIRELESS TRANSMISSION DEVICE ~71:Ludong University, 186 Hongqi Middle Road, Zhifu District, Yantai City, Shandong Province, 264025, People's Republic of China ~72: Junze Deng;Kangqiang Li;Kechang Shen;Qingtao Gong;Shilong He;Xin Hu;Yanli Guo;Yanqing Han;Yao Teng~

2025/08036 ~ Complete ~54:CONTROLLING MESH INSTALLATION BASED ON A MESH DEFORMATION PARAMETER ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HANSKI, Sami;HELKALA, Jarno;VENTO, Arto~ 33:EP ~31:23171063.3 ~32:02/05/2023

2025/08040 ~ Complete ~54:ARMOURED VEHICLE WITH REINFORCED EXOSKELETON ~71:SPECIALISED LOGISTICAL SOLUTIONS (PTY) LTD, 28B Andries Street, Wynburg, Sandton, South Africa ~72: Jacobus Frederick Scheepers~

2025/08025 ~ Complete ~54:A DRAINAGE DEVICE FOR POSTOPERATIVE CARE OF THE ORAL AND MAXILLOFACIAL REGION ~71:The First Affiliated Hospital of Xinjiang Medical University, No. 137, Liyushan South Road, Xinshi District, Urumqi City, Xinjiang Uygur Autonomous Region, 830054, People's Republic of

China ~72: Chenxi Li;Jinxia Pu;Xinghong Li;Ying Liu;Yuchuan Zhou~ 33:CN ~31:202422952802.4 ~32:02/12/2024

2025/08028 ~ Complete ~54:SITING AND SIZING PLANNING METHOD FOR ELECTROCHEMICAL-HYDROGEN HYBRID ENERGY STORAGE SYSTEMS CONSIDERING SYSTEM FLEXIBILITY REQUIREMENTS ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467000, People's Republic of China;Pinggao Group Smart Electric Co., Ltd., Southeast side of the intersection of Pingbao Avenue and Cuizhu Road, Urban rural integration demonstration zone, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Changbing Zheng;Chengwu Liang;Fangming Zhang;Guofeng He;Jinpeng Wang;Lin Qi;Lulu Yin;Ning Hou;Tan Cheng;Wei He;Yanfei Dong~

2025/08035 ~ Complete ~54:A ROCK BOLT ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia ~72: DARLINGTON, Bradley;RATAJ, Mietek;WEAVER, Steven;YOUNG, Peter~ 33:EP ~31:23164641.5 ~32:28/03/2023

2025/08019 ~ Provisional ~54:A CABLE ANCHOR NUT ~71:RSC MINING (PTY) LTD, 1 Tedstone Rd, South Africa ~72: TBA~

2025/08024 ~ Complete ~54:METHOD OF PREPARING MESOPOROUS ACTIVATED CARBON AND ITS USE IN MITIGATING FILTER MEMBRANE FOULING CAUSED BY ALGAE-CONTAINING WATER ~71:SHANGHAI ACADEMY OF AGRICULTURAL SCIENCES, No. 1000, Jinqi Road, Fengxian District, Shanghai, People's Republic of China ~72: HUANG, Weiwei;LV, Weiwei;YANG, Hang;YUAN, Quan;ZHANG, Yuning;ZHOU, Wenzong~

2025/08027 ~ Complete ~54:A WEARABLE HARVESTING AID ~71:OESDRAG (PTY) LTD, No 15 Aan De Hawequas Estate, Hanepoot Straat, South Africa ~72: BUCKLE, Pieter Loubser;STEENKAMP, Jean Hugo~ 33:ZA ~31:2024/04808 ~32:20/06/2024

2025/08031 ~ Complete ~54:A SYSTEM FOR VISCOUS SLURRY SEPARATION AND A PROCESS THEREOF ~71:SHREEPAD HEGDE, Villa No 290, Hill County, Bachupally,, Hyderabad, 500090, India ~72: SHREEPAD HEGDE~ 33:IN ~31:202241048112 ~32:24/02/2023

2025/08034 ~ Complete ~54:AGROCHEMICAL COMPOSITION ~71:UPL Europe Supply Chain GmbH, Suurstoffi 37, ROTKREUZ/RISCH 6343, SWITZERLAND, Switzerland;UPL Mauritius Limited, 6th Floor, Suite 157B, Harbor Front Building, President John Kennedy Street, PORT LOUIS, MAURITIUS, Mauritius ~72: BURTON, Robert~ 33:GB ~31:2302379.9 ~32:20/02/2023

. - APPLIED ON 2025/09/22 -

2025/08059 ~ Complete ~54:NOVEL PLASMA LEAD-BISMUTH FURNACE FOR RADIOACTIVE WASTE TREATMENT ~71:Hainan Nuclear Power Co., Ltd., P.O.BOX 1208, CHANGJIANG COUNTY, HAINAN PROVINCE, 572733, P.R., People's Republic of China ~72: DING, Pan;LI, Meng;WANG, Wei;WEI, Zhigang;ZHAO, Yongsheng;ZUO, Chi~ 33:CN ~31:2025105542599 ~32:29/04/2025

2025/08063 ~ Complete ~54:PURIFICATION SYSTEM AND METHOD FOR SOLID WASTE INCINERATION FLUE GASES ~71:Hainan Nuclear Power Co., Ltd., P.O.BOX 1208, CHANGJIANG COUNTY, HAINAN PROVINCE, 572733, P.R., People's Republic of China ~72: DING, Pan;HU, Junjie;LI, Meng;WANG, Wei;XIAO, Yong;ZUO, Chi~ 33:CN ~31:2025105542584 ~32:29/04/2025

2025/08069 ~ Complete ~54:BASE STATION, USER EQUIPMENT, CONTROL METHOD, AND PROGRAM ~71:CANON KABUSHIKI KAISHA, 30-2, Shimomaruko 3-chome, Ohta-ku, Japan ~72: NISHIYAMA Kosuke~ 33:JP ~31:2023-061970 ~32:06/04/2023

2025/08088 ~ Complete ~54:METHOD AND APPARATUS FOR CONTROLLING HYBRID VEHICLE, AND DEVICE AND STORAGE MEDIUM ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: WEI WANG;XIANGTING DAI;XIAOFEI LIU~ 33:CN ~31:202311462043.7 ~32:02/11/2023

2025/08044 ~ Provisional ~54:GUARDNET – AI-POWERED MULTI-MODAL SECURITY NETWORK FOR DISTRIBUTED IDENTITY VERIFICATION AND FRAUD PREVENTION ~71:Aubrey, 145, International Bureau of the World Intellectual Property Organisation ~72: Aubrey Modise~ 33:IB ~31:1 ~32:19/09/2025

2025/08048 ~ Provisional ~54:VERITASNET – TELECOMMUNICATIONS-ANCHORED FEDERATED CROSS-INDUSTRY VERIFICATION NETWORK WITH UNIVERSAL TRUST-AS-A-SERVICE FRAMEWORK FOR ECONOMIC TRANSFORMATION ~71:Aubrey Modise, Aubrey Modise, International Bureau of the World Intellectual Property Organisation ~72: Aubrey Modise~ 33:IB ~31:1 ~32:21/09/2025

2025/08054 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR REMOVING WARTS, VERRUCAE, AND CORNS, WHEREIN BY WEIGHT PARTS AND PREPARATION METHOD THEREOF ~71:Shaanxi Meijia Chunhe Biotechnology Co., Ltd., Room 302, Building 7, Gaoxin Guanlan, High Tech Industrial Development Zone, Ankang City, Shaanxi Province, People's Republic of China ~72: Chunsheng Cheng~

2025/08070 ~ Complete ~54:ANTI-IGF1R ANTIBODIES AND USES THEREOF ~71:BIOCYTOGEN PHARMACEUTICALS (BEIJING) CO., LTD., No.12, Baoshen South Street, Daxing Bio-Medicine Industry Park, People's Republic of China ~72: AN, Wenqian;CAO, Wenpeng;LI, Rifei;WANG, Zilin~ 33:CN ~31:PCT/CN2023/086082 ~32:04/04/2023;33:CN ~31:PCT/CN2023/115246 ~32:28/08/2023

2025/08073 ~ Complete ~54:SYSTEM AND METHOD FOR STORING AND DELIVERING AMMONIA ~71:AMMONIA AS, LYKKEDRANGVEIEN 54, 4639 KRISTIANSAND, NORWAY, Norway ~72: LYKKEDRANG, Ottar~ 33:NO ~31:20230184 ~32:24/02/2023;33:NO ~31:20230531 ~32:05/05/2023

2025/08077 ~ Complete ~54:METHOD, APPARATUS AND COMPUTER PROGRAM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DALSGAARD, Lars;DIMNIK, Riikka, Karoliina;HENTTONEN, Tero;KAINULAINEN, Jani-Pekka~ 33:GB ~31:2302846.7 ~32:27/02/2023

2025/08084 ~ Complete ~54:INERTIAL MEASUREMENT UNIT SENSORS IN SPATIAL FRAME SYSTEMS ~71:Smith & Nephew Asia Pacific Pte. Limited, 29, Media Circle #06-05, ALICE@Mediapolis, SINGAPORE 138565, SINGAPORE, Singapore;Smith & Nephew Orthopaedics AG, Theilerstrasse 1A, ZUG 6300, SWITZERLAND, Switzerland;Smith & Nephew, Inc., 1450 Brooks Road, MEMPHIS 38116, TN, USA, United States of America ~72: BELL, Paul;JANNA, Sied W.;MASON, Johnny R.;NOBLETT, Andrew P.;ROBERTS, Brian;SMYTH, Scott~ 33:US ~31:63/460,094 ~32:18/04/2023

2025/08089 ~ Complete ~54:HYBRID POWER SYSTEM AND VEHICLE ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: HENGXIAN ZHANG;JUNWU ZOU;SHUANGLUAN LI;WANGFEI YAO~ 33:CN ~31:202311543734.X ~32:15/11/2023

2025/08092 ~ Complete ~54:BATTERY PACK SELF-HEATING SYSTEM AND METHOD ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006,

Anhui, People's Republic of China ~72: BO HUANG;LEI LU;XIUWANG LIANG;ZHANGXIANG LUO~ 33:CN ~31:202311451281.8 ~32:02/11/2023

2025/08098 ~ Complete ~54:SUBSTITUTED OXAZOLIDINONES AND IMIDAZOLINONES AS HERBICIDES ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: KASHINATH KOMIRISHETTY;SAPTARSHI DE;STEPHEN FREDERICK MCCANN;THOMAS MARTIN STEVENSON~ 33:US ~31:63/454,096 ~32:23/03/2023

2025/08100 ~ Complete ~54:SELF-ALIGNING GRIPPER ASSEMBLIES FOR ROBOTIC ARMS ~71:MESO SCALE TECHNOLOGIES, LLC., 1601 Research Boulevard, Rockville, Maryland, 20850, United States of America ~72: KOCHAR, Manish;KRIVOY, Gary I.;LEIMKUEHLER, Aaron H.;MIRTCHEV, Slavi~ 33:US ~31:63/486,741 ~32:24/02/2023

2025/08103 ~ Provisional ~54:INTEGRATED AI-POWERED CLOSED-LOOP MINE WASTE MANAGEMENT AND VALORISATION SYSTEM (MCR-ZEROVATE SYSTEM) ~71:Keletso Mitchell Tolo, 14534 Thulani Street, Ivory Park, South Africa ~72: Keletso Mitchell Tolo~

2025/08045 ~ Provisional ~54:FLIPNET – AI-DRIVEN MULTI-INDUSTRY DIGITAL TRANSACTION NETWORK WITH UNIVERSAL CURRENCY INTEGRATION AND AUTONOMOUS UPTIME RESILIENCE ~71:Aubrey Modise, 192 Dube Street, International Bureau of the World Intellectual Property Organisation ~72: Aubrey Modise~ 33:IB ~31:1 ~32:20/09/2025

2025/08050 ~ Provisional ~54:RIPENING APPARATUS ~71:Marian Ludewig, De Denne Duck farm, Off Protea Road, South Africa ~72: Marian Ludewig~

2025/08055 ~ Complete ~54:DEVICE FOR MANUFACTURING PRODUCTS USING LIGHT-CURED COMPOSITE ~71:"FUTURE AM" LTD, VN.TER.G. MUNITSYPALNYJ OKRUG OREKHOVO-BORISOVO SEVERNOE, UL DOMODEDOVSKAYA, D. 22, K. 1, KV. 582, MOSCOW, 115551, Russian Federation ~72: MIKHAILOV Aleksandr Aleksandrovich;SMIRNOV Dmitrii Dmitrievich;VOVNIAKOV Aleksei Olegovich~ 33:RU ~31:2025122603 ~32:14/08/2025

2025/08062 ~ Complete ~54:RPA DETECTION PRIMER SET, KIT AND METHOD FOR DRUG RESISTANCE GENE SUL2 ~71:SHANDONG PROVINCE FEED VETERINARY DRUG QUALITY INSPECTION CENTER, No. 4566, Tangye West Road, People's Republic of China ~72: LI, Youzhi;LIU, Shaoning;SONG, Xiangbin;WEI, Maolian;ZHANG, Anyuan;ZHAO, Ming~

2025/08072 ~ Complete ~54:PARTICLE SEPARATOR, SYSTEM COMPRISING SUCH A PARTICLE SEPARATOR, AND METHODS FOR CALCINATION PROCESSES ~71:LIMEARC PROCESS AB, Högåsvägen 19, Sweden ~72: LUNDKVIST, Roland~ 33:SE ~31:2350231-3 ~32:01/03/2023;33:SE ~31:2350232-1 ~32:01/03/2023

2025/08076 ~ Complete ~54:APPARATUS, METHOD, AND COMPUTER PROGRAM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DALSGAARD, Lars;DIMNIK, Riikka, Karoliina;HENTTONEN, Tero;KAINULAINEN, Jani-Pekka~ 33:GB ~31:2302855.8 ~32:27/02/2023

2025/08078 ~ Complete ~54:A TRANSPARENT DISPLAY ARRANGEMENT FOR INTEGRATION WITH A BASE STRUCTURE ~71:ALENATMIC MEDIA LTD., Andrea Patsalidi, 5, Capricomia Building, Office 303, Egkomi, NICOSIA 2408, CYPRUS, Cyprus ~72: COUDOUNARIS, Andrew Gregory~ 33:ZA ~31:2023/03795 ~32:24/03/2023

2025/08093 ~ Complete ~54:HOUSING OF POWERTRAIN, POWERTRAIN, AND VEHICLE ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: FUYONG YANG;MEIZHEN SHU;QIHAO WU;SONG YU;YUANLONG YE~ 33:CN ~31:202410034674.7 ~32:09/01/2024

2025/08067 ~ Complete ~54:PREPARATION FOR PREVENTING AND TREATING LIVER INJURY AND APPLICATION THEREOF ~71:China Agricultural University, No. 2 Yuanmingyuan West Road, Haidian District, Beijing City, 100193, People's Republic of China ~72: LI Yixuan;WANG Xiaoyu;ZHANG Hao~

2025/08081 ~ Complete ~54:IMIDAZO[1,2-A]PYRAZINE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GERMAIN, Nicolas;JEANMART, Stephane André Marie;LE CHAPELAIN, Camille;LUMBROSO, Alexandre Franco Jean Camille;POULIOT, Martin~ 33:EP ~31:23167796.4 ~32:13/04/2023

2025/08083 ~ Complete ~54:ANTIBODY-DRUG CONJUGATE COMPRISING ANTIBODIES AGAINST HUMAN L1CAM AND USES THEREOF ~71:LigaChem Biosciences Inc., 10, Gukjegwahak 10-ro, Yuseong-gu, DAEJEON 34002, REPUBLIC OF KOREA, Republic of Korea ~72: CHAE, Sang Eun;CHUNG, Chul-Woong;JANG, Tae Ik;JEONG, Yeo Jin;LEE, Won Mi;MEHLI, Flavio;PARK, Chang Sik;SCHMIDT, Annette;SONG, Ho Young;SPOHN, Gunther~ 33:KR ~31:10-2023-0032106 ~32:10/03/2023

2025/08099 ~ Complete ~54:SORTING METHOD, SORTING SYSTEM AND SORTING APPARATUS FOR MINING BLOWING ~71:BEIJING HONESORT TECHNOLOGY CO., LTD., Room 204, 2nd Floor, Building 1-3, No. 2 Shengfang Road, Daxing District, People's Republic of China ~72: WANG, Haishan;ZHOU, Chengcheng~ 33:CN ~31:202310415729.4 ~32:18/04/2023;33:CN ~31:202310418378.2 ~32:18/04/2023

2025/08043 ~ Provisional ~54:RETROFIT SENSOR MODULE FOR ROCK BOLTS ~71:Henry Juan Dobson, 1STE AVE DOORNFONTEIN 7, South Africa ~72: Henry Juan Dobson~

2025/08049 ~ Provisional ~54:BEARING INDUCTION HEATER ~71:OGUNDIMU EMMANUEL OLUSEGUN, 3225 MOREMADI PARK, GA- MOTHAPO, POLOKWANE, LIMPOPO PROVINCE, 0699, South Africa ~72: OGUNDIMU EMMANUEL OLUSEGUN~

2025/08052 ~ Provisional ~54:CRASH-RESPONSIVE VEHICLE INTERIOR SYSTEM ~71:DANIEL, Nolan, 2nd Floor, Northbank Building, 1 Northbank Lane, Century City, South Africa ~72: DANIEL, Nolan~

2025/08057 ~ Complete ~54:METHOD FOR SAFETY ASSESSMENT OF TRANSGENIC CROPS ON NON-TARGET ORGANISMS BASED ON TRANSCRIPTOME DIVERSITY ~71:Institute of Plant Protection, Chinese Academy of Agricultural Sciences, No. 2, West Yuanmingyuan Road, Haidian District, Beijing, People's Republic of China ~72: CHEN Geng;CHEN Junjie;HAN Lanzhi;WEN Ning;YANG Xiaowei~

2025/08066 ~ Complete ~54:KIT FOR ISOLATION, PURIFICATION AND AMPLIFICATION OF ENDOMETRIUM MESENCHYMAL STEM CELLS AND USE THEREOF ~71:JIANGSU PROVINCE ACADEMY OF TRADITIONAL CHINESE MEDICINE (JIANGSU PROVINCE HOSPITAL ON INTEGRATION OF CHINESE AND WESTERN MEDICINE), No. 100, Shizi Street, People's Republic of China ~72: CAO, Jian;GUI, Tao;HUANG, Meihua;LI, Zhenli;QIU, Yingying;ZHOU, Wenjuan~

2025/08086 ~ Complete ~54:PV APPARATUS FOR AND METHOD OF CHARGING AN ELECTRIC VEHICLE (EV) OF BATTERY THEREOF ~71:BRIGGS, Maurice, 22 Bishop Bridge Road, United Kingdom ~72: BRIGGS, Maurice~ 33:GB ~31:2302580.2 ~32:23/02/2023

2025/08047 ~ Provisional ~54:SMART SPLITPAY ~71:Sipho Phaloane, 4669 mndeni crescent, Blue valley Golf Estate, South Africa ~72: Velly Sipho Phaloane~

2025/08051 ~ Provisional ~54:TARGET MARKING PROJECTILE ~71:OBERHOLSTER, Alliwyn Johannes, 1238 Breyer Ave, Waverley, South Africa ~72: OBERHOLSTER, Alliwyn Johannes~

2025/08056 ~ Complete ~54:DIE DEVICE FOR FORMING HEXAGONAL BOLTS ~71:China Academy of Machinery Zhengzhou Research Institute of Mechanical Engineering Co., Ltd., 149 Science Avenue, Zhengzhou High tech Industrial Development Zone, Zhengzhou, Henan, 450001, People's Republic of China ~72: FENG, Sen;HU, Nan;LI, Tiantian;LI, Xin;LIU, Baixuan;LIU, Dan;LIU, Guanghui;SUN, Hongxing;WANG, Tao;WEI, Chenyang;ZHANG, Chao~ 33:CN ~31:202521761508.3 ~32:18/08/2025

2025/08058 ~ Complete ~54:METHOD FOR INCREASING THE INOCULATION RATE OF CISTANCHE IN SALINIZED DESERT LAND UNDER NON-IRRIGATION CONDITIONS ~71:Gansu Desert Control Research Institute, No. 390, Beibinhe West Road, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Ping LIU;Qi WANG;Ze YAO~ 33:CN ~31:2025112244787 ~32:29/08/2025

2025/08061 ~ Complete ~54:PRODUCTION PROCESS FOR STRONG FLORAL-SCENTED TEA-BASED CRABAPPLE FLOWER TEA ~71:JINLING INSTITUTE OF TECHNOLOGY, 99 Hongjing Avenue, Jiangning District, Nanjing City, Jiangsu Province, 211199, People's Republic of China;Jinpu Landscape Architecture Co., Ltd., No.70 Runqi Road, Dongshan Street, Jiangning District, Nanjing City, Jiangsu Province, 211100, People's Republic of China ~72: FAN Junjun;HUANG Jun;LIU Yanli;XU Li;YU Zhu;ZHAI Pengyu;ZHAO Huawen;ZHAO Kangbing~

2025/08064 ~ Complete ~54:RPA DETECTION PRIMER SET, KIT AND METHOD FOR DRUG RESISTANCE GENE SUL1 ~71:SHANDONG PROVINCE FEED VETERINARY DRUG QUALITY INSPECTION CENTER, No. 4566, Tangye West Road, People's Republic of China ~72: LI, Youzhi;LIU, Shaoning;LIU, Yalin;SONG, Xiangbin;WEI, Maolian;ZHANG, Anyuan~

2025/08074 ~ Complete ~54:DRUG COMPOUNDS COMPRISING ALBUMIN-BINDING MOIETIES ~71:ASCENDIS PHARMA A/S, TUBORG BOULEVARD 12, 2900 HELLERUP, DENMARK, Denmark ~72: BISEK, Nicola;SPROGØE, Kennett;WEISBROD, Samuel~ 33:EP ~31:23160259.0 ~32:06/03/2023;33:EP ~31:23203738.2 ~32:16/10/2023

2025/08085 ~ Complete ~54:A CABINET OR FRAME-MOUNTED PHOTOVOLTAIC ARRAY FOR SUB-OPTIMAL SOLAR POWER CONVERSION AND METHODS AND APPARATUS FOR MAXIMISING COLLECTION EFFICIENCY ~71:BRIGGS, Maurice, 22 Bishop Bridge Road, United Kingdom ~72: BRIGGS, Maurice~ 33:GB ~31:2302580.2 ~32:23/02/2023

2025/08091 ~ Complete ~54:POWER ASSEMBLY AND METHOD FOR ASSEMBLING POWER ASSEMBLY ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: QIXIN DONG;SHENGLIN GAN;XIANGZHOU KONG;YANYAN HAN;YUANLONG YE;ZHIGUANG ZHOU~ 33:CN ~31:202311812739.8 ~32:25/12/2023

2025/08096 ~ Complete ~54:GEARBOX, HYBRID POWER SYSTEM AND AUTOMOBILE ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: KEGUANG QI;LULU GUO;QIAN MEI;QINGBIN GUAN;QINGLAI WANG;ZHITAN XU~ 33:CN ~31:202311643192.3 ~32:29/11/2023

2025/08041 ~ Provisional ~54:TELESCOPIC MINING PROP WITH LOAD INDICATOR ~71:Henry Juan Dobson, 1STE AVE DOORNFONTEIN 7, South Africa ~72: Henry Juan Dobson~

2025/08042 ~ Provisional ~54:SMART INSPECTION TAG ~71:Henry Juan Dobson, 1STE AVE DOORNFONTEIN 7, South Africa ~72: Henry Juan Dobson~

2025/08046 ~ Provisional ~54:POCKET MONITORING VISION PLUS ~71:Sipho Phalaone, 4669 mndeni crescent, South Africa ~72: Velly Sipho Phaloane~

2025/08053 ~ Provisional ~54:A UNIFIED ESIM ENABLED DIGITISED PETITIONS, OVERSIGHT, AND CIVIC EMPOWERMENT PLATFORM ~71:SKELI SYSTEMS, THE OVAL OFFICE PARK, CENTURION, MEADOWBROOK LANE, South Africa ~72: PULENG PETER MABE~

2025/08060 ~ Complete ~54:JANUS MEMBRANE FOR OIL-WATER SEPARATION AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GU Xiaogang;GUO Xiang;HU Xiaoxian;LI Bang;REN Juncai;WANG Yingchun;WU Junfeng;YIN Shiqiang~

2025/08065 ~ Complete ~54:PRIMER, PROBE AND USE FOR DETECTING POLYMYXIN RESISTANCE GENE MCR-5 ~71:SHANDONG PROVINCE FEED VETERINARY DRUG QUALITY INSPECTION CENTER, No. 4566, Tangye West Road, People's Republic of China ~72: LI, Youzhi;LIU, Shaoning;NIU, Huaxing;SONG, Xiangbin;TANG, Wenli;ZHANG, Anyuan~

2025/08068 ~ Complete ~54:METHODS FOR PURIFYING HETEROMULTIMERIC ANTIBODIES ~71:INNATE PHARMA, 117 avenue de Luminy, France;SANOFI, 46 avenue de la Grande Armée, France ~72: FRANCILLETTE, Thomas;MOTHES, Benoit;PEZZINI, Jérome~ 33:EP ~31:23315074.7 ~32:31/03/2023

2025/08080 ~ Complete ~54:PREPARATION METHOD FOR ENVIRONMENT-FRIENDLY NATURAL BAMBOO FIBER-MODIFIED PE COMPOSITE MATERIAL AND PRODUCT, AND USE ~71:HU' NAN XIECHENG PIPES TECHNOLOGY CO., LTD, Xiecheng Pipe Industrial Park, Suxian Industrial Concentration Zone, Wulipai Road, Wulipai Town, Suxian District, Chenzhou, Hunan, 423000, People's Republic of China ~72: CAO, Liwei;CAO, Xuanyong;ZHANG, Yuping~ 33:CN ~31:202310360319.4 ~32:06/04/2023

2025/08087 ~ Complete ~54:A STRUCTURAL PHOTOVOLTAIC (PV) PANEL AND REINFORCED FRAME ELEMENT ADAPTED FOR MODULAR CONSTRUCTION AND ENCLOSURES AND PV DEVICES FORMED THEREFROM ~71:BRIGGS, Maurice, 22 Bishop Bridge Road, United Kingdom ~72: BRIGGS, Maurice~ 33:GB ~31:2302580.2 ~32:23/02/2023

2025/08090 ~ Complete ~54:MULTIFUNCTIONAL DEVICE FOR THE PROVISION OF SERVICES TO USERS OF MOBILE ELECTRONIC DEVICES ~71:DIGITAL CARE SP. Z O.O., Marszalkowska 126/134, 00-008 Warszawa, Poland ~72: ALEKSANDER WISTUBA~ 33:PL ~31:P.443888 ~32:25/02/2023

2025/08094 ~ Complete ~54:HYDRAULIC SYSTEM, HYBRID TRANSMISSION AND VEHICLE ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: CHAOJIE WANG;CHUANFEI XU;WENYUE LU~ 33:CN ~31:202311767646.8 ~32:20/12/2023

2025/08097 ~ Complete ~54:GEARBOX, HYBRID POWER SYSTEM AND AUTOMOBILE ~71:CHERY AUTOMOBILE CO., LTD., No. 8, Changchun Road, Economy & Technology Development Zone, Wuhu, 241006, Anhui, People's Republic of China ~72: HENGXIAN ZHANG;SHUANGLUAN LI;WANGFEI YAO~ 33:CN ~31:202410104461.7 ~32:25/01/2024

2025/08071 ~ Complete ~54:AN OPTICAL ARRANGEMENT FOR USE IN OPTICAL MICROSCOPY ~71:BLUE CUBE TECHNOLOGY (PTY) LTD, Unit Ramp Mill Square, Ground Floor Anglo African Building, 4 Plein Street,

South Africa ~72: DU PLESSIS, Francois Eberhardt;LE ROUX, Petrus Albertus~ 33:ZA ~31:2023/02418 ~32:24/02/2023

2025/08075 ~ Complete ~54:APPARATUSES, METHODS, AND MEDIUM FOR DUAL CONNECTIVITY COMMUNICATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HENTTONEN, Tero;KOSKELA, Jarkko, Tuomo;TURTINEN, Samuli, Heikki;WU, Chunli~

2025/08079 ~ Complete ~54:USE OF A CLASS OF ORGANIC ACID METAL COMPOUNDS AS ANIMAL FEED ADDITIVES ~71:ANIPHA TECHNOLOGIES PTY LTD, 122 Grant Avenue, Toorak Gardens, Adelaide, Australia ~72: Xianfeng PENG~ 33:CN ~31:202311270244.7 ~32:28/09/2023

2025/08082 ~ Complete ~54:BELLOWS PUMP FOR LIQUID METALS ~71:Westinghouse Electric Company LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: LAPRESTI, Michael A.;LOJEK III, John;NESTOR, Christopher M.~ 33:US ~31:18/184,023 ~32:15/03/2023

2025/08095 ~ Complete ~54:NOISE-REDUCED JIGSAW MOTOR ~71:CHANGZHOU CHANGHUA MOTOR CO., LTD., Changxi Road Yinzhuang Bridge, Yaoguan Town, Wujin District, Changzhou, Jiangsu 213000, People's Republic of China ~72: CHUNPING OU;HUA XIANG;JINQIANG GE;XING SHEN~ 33:CN ~31:202510396778.7 ~32:01/04/2025

. - APPLIED ON 2025/09/23 -

2025/08105 ~ Provisional ~54:MICROCONTROLLER-BASED GPS JAMMING DETECTION AND SYNTHETIC-GPS FALLBACK SYSTEM WITH GSM RSSI MONITORING AND SIGFOX EMERGENCY LOCATION ~71:Edmund Herbert, 38 Parrot, South Africa ~72: Edmund Herbert;Edmund Herbert~ 33:ZA ~31:01 ~32:22/09/2025

2025/08109 ~ Provisional ~54:ADDITIVELY MANUFACTURED CONCRETE SUPERCAPACITOR ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, South Africa ~72: GIBSON, Ruby Josephine;KRUGER, Pienaar Jacques~

2025/08124 ~ Complete ~54:ATHEROSCLEROSIS-TARGETED LIPOSOME NANOCARRIER DELIVERY SYSTEM AND PREPARATION METHOD THEREFOR ~71:BEIJING INNO MEDICINE CO., LTD., Room 101-301, 3rd Floor, No. 9 Building, Zone 4, Xishan Creative Park, Haidian District, Beijing, 100195, People's Republic of China ~72: HUIJING WANG;QIAN MA;TUO DENG;XIAOMING CHEN~ 33:CN ~31:PCT/CN2021/116681 ~32:06/09/2021

2025/08141 ~ Complete ~54:APPARATUS AND METHOD FOR PACKING TAMPONS ~71:RUGGLI AG, Tüftelstrasse 50, 5322, Koblenz, Switzerland ~72: DANIEL BÄCHLE;FABIAN KNECHT~ 33:CH ~31:CH000293/2023 ~32:15/03/2023

2025/08106 ~ Provisional ~54:CS CONVENIENCE ~71:Fridah Joyce Masilela, 15 Chauke Street, South Africa;Mokete Empress Masilela, 15 Chauke Street, South Africa ~72: Fridah Joyce Masilela;Mokete Empress Masilela~

2025/08108 ~ Provisional ~54:BUTCHER PLATE ~71:BUTCHER PLATE (PTY) LTD, c/o 15 Stewart Drive, Baysville, South Africa ~72: Sandra Chantler~

2025/08113 ~ Complete ~54:A TYPE OF FOOTWEAR SUITABLE FOR BOTH WALKING AND SWIMMING ~71:SHANDONG SPORT UNIVERSITY, NO.10600 Century Avenue, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Ding Jianjun;Hu Ruixia~

2025/08122 ~ Complete ~54:GALNAC MONOMER COMPRISING RIBOSE RING OR DERIVATIVE STRUCTURE THEREOF AND USE THEREOF IN LIVER-TARGETED DELIVERY OF SMALL NUCLEIC ACID DRUGS ~71:BEIJING YOUCARE KECHUANG PHARMACEUTICAL TECHNOLOGY CO., LTD., Room 101, 1st Floor, Building 3, No. 11, Kechuang 7th Street, People's Republic of China ~72: FU, Rui;HUANG, Zeao;SONG, Gengshen;TIAN, Zhikang;WU, Yucheng;YANG, Shuo~ 33:CN ~31:CN202411356805X ~32:26/09/2024

2025/08126 ~ Complete ~54:MULTI-PURPOSE FIRE HOSE REEL NOZZLE ~71:Alute SA (Pty) Ltd, 22-24 Gillitts Road, Westmead, South Africa ~72: DE BRUYN, Tim Garry~

2025/08132 ~ Complete ~54:AERATED CONFECTIONERY ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: CROSSLAND, Erin Elizabeth;LAZIDIS, Aristodimos~ 33:EP ~31:23159514.1 ~32:01/03/2023

2025/08134 ~ Complete ~54:METHODS AND USES FOR TREATING NAUSEA AND EMESIS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: EMMERSON, Paul Joseph;MATHER, Kieren James;PRATT, Edward John;ROELL, William Christopher;SAMMS, Ricardo J.;URVA, Shweta~ 33:US ~31:63/493,384 ~32:31/03/2023;33:US ~31:63/585,493 ~32:26/09/2023

2025/08137 ~ Complete ~54:FILLING FOR CONFECTIONERY AND CONFECTIONERY COMPRISING THAT FILLING ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: LAZIDIS, Aristodimos;STOKES, David~ 33:EP ~31:23159511.7 ~32:01/03/2023

2025/08139 ~ Complete ~54:DOSE INITIATION FOR SCHIZOPHRENIA OR BIPOLAR I DISORDER TREATMENT WITH ARIPIPRAZOLE ~71:OTSUKA PHARMACEUTICAL CO., LTD., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, Tokyo, 1018535, Japan ~72: ARASH RAOUFINIA;MATTHEW HARLIN;XIAOFENG WANG;YANLIN WANG~ 33:US ~31:63/498,313 ~32:26/04/2023;33:US ~31:63/506,624 ~32:07/06/2023;33:US ~31:63/637,079 ~32:22/04/2024

2025/08140 ~ Complete ~54:PIPERAZINE-SUBSTITUTED BENZOTHIOPHENES FOR TREATMENT OF MENTAL DISORDERS ~71:OTSUKA PHARMACEUTICAL CO., LTD., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, Tokyo 1018535, Japan ~72: BERNARDO PEZZATI;DANIEL KIM;GIORGIO BONANOMI;GIOVANNA BURGIO;IAIN LINGARD;KEISUKE AIHARA;LAURA BARNES;MICHELA BELTRANI;NAOJI KIMURA;SILVIA CORBIOLI;SILVIA LENZINI;TOSHIO SHINOHARA~ 33:US ~31:63/487,122 ~32:27/02/2023;33:US ~31:63/555,971 ~32:21/02/2024

2025/08104 ~ Provisional ~54:HYDROSTATIC ENERGY CONVERTER ~71:PETRUS JACOBUS BADENHORST, 52 Olivier street, South Africa ~72: BADENHORST, PETRUS JACOBUS~

2025/08135 ~ Complete ~54:METHOD FOR ACTIVATING CLAYS WITH SECONDARY FUELS ~71:KHD Humboldt Wedag GmbH, Von-der-Wettern-Straße 4a, KÖLN 51149, GERMANY, Germany ~72: FEISS, Marc;KNOCH, Alexander;MERSMANN, Matthias~ 33:DE ~31:10 2023 107 480.6 ~32:24/03/2023

2025/08107 ~ Provisional ~54:MUSICRIGHTSPROJECT_V1 ~71:MR GP LE ROUX, 9 Harder Street, Witsand, South Africa ~72: MR GP LE ROUX~ 33:ZA ~31:1 ~32:22/09/2025

2025/08111 ~ Provisional ~54:TRAFFIC LIGHT SYSTEM ~71:COTTY, Darryl Edward Albert, 99 Atholl Road, House B, ATHOLL, Sandton 2196, Gauteng, SOUTH AFRICA, South Africa;GREY, Hilary Joan, 99 Atholl Road, ATHOLL, Sandton 2196, Gauteng, SOUTH AFRICA, South Africa;RAMAITE, Peter Naledzani, 682/3 Teac Close, KYALAMI ESTATES 1884, Gauteng, SOUTH AFRICA, South Africa;VAN WYK, Petrus Jacobus, 72 Adelaar Crescent, RANDPARK RIDGE, Johannesburg 2188, Gauteng, SOUTH AFRICA, South Africa ~72: COTTY, Darryl Edward Albert~

2025/08114 ~ Complete ~54:DEVICE FOR DETECTING AND DIAGNOSING PRONUNCIATION ERRORS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Yuerong;GUO Xiaoran;LIU Qinglong;LIU Xicheng;TIAN Li;WANG Ning;YANG Yuanlong~

2025/08116 ~ Complete ~54:LOAD MEASURING DEVICE INSTALLED ON UNDERFRAME OF RAILWAY FREIGHT WAGON AND RAILWAY FREIGHT WAGON ~71:CRRC TAIYUAN CO., LTD., No.129, Xinghua West Street, Wanbailin District, Taiyuan, People's Republic of China ~72: GUO, Huan;HA, Caixia;LI, Xuying;LIU, Juan;LIU, Wensheng;MENG, Yue;YUAN, Yugang;ZHANG, Bei~ 33:CN ~31:CN2025101906045 ~32:20/02/2025

2025/08118 ~ Complete ~54:A RAPID DETECTION DEVICE AND METHOD FOR PESTICIDE RESIDUES IN TEA LEAVES ~71:Ankang Agricultural Product Quality and Safety Inspection and Monitoring Center, East Side of Cultural Park, Ankang Avenue, High-tech Zone, Ankang City, Shaanxi Province, 725001, People's Republic of China ~72: Bingbin Zhang;Duwei Chen;Kang Cao;Ping Yang;Qin Yan;Shuo Lv;Xiaoyan Liu;Yali Xu~ 33:CN ~31:202511101695.7 ~32:07/08/2025

2025/08123 ~ Complete ~54:POMELO SLICING MACHINE TO PREVENT PULP DAMAGE ~71:Ji'an Chuangxiang 3D Technology Co., Ltd., No. 165, Junshan Avenue, Jinggangshan Economic and Technological Development Zone, Ji'an City, Jiangxi Province, People's Republic of China;Ji'an Horticultural Farm, No. 67, Xingqiao Town, Jizhou District, Ji'an City, Jiangxi Province, People's Republic of China;Jinggangshan University, No. 28 Xueyuan Road, Ji'an City, Jiangxi Province, People's Republic of China ~72: FU, Jia;LIU, Peng;LV, Chenxi;NIE, Haisheng;SUN, Le;XIAO, Weiming;ZHAO, Hongxia;ZOU, Shiwen~ 33:CN ~31:2025219700964 ~32:13/09/2025

2025/08127 ~ Complete ~54:COMPOSITE SOLAR PANEL ASSEMBLY MOUNTED ON STREET LAMP POLE ~71:GUANGDONG KANGLIER ARTIFICIAL INTELLIGENCE TECHNOLOGY CO., LTD., (Residence Declaration) B, Floor 26, No. 1, Zhongxing Avenue, Guzhen Town, Zhongshan, Guangdong, 528400, People's Republic of China ~72: SHI, Jie~ 33:CN ~31:202320715580.7 ~32:03/04/2023

2025/08131 ~ Complete ~54:METHOD FOR INDUCING TUMOR REGRESSION ~71:VEROSCIENCE LLC, 1334 Main Road, United States of America ~72: CINCOTTA, Anthony H.~ 33:US ~31:63/455,426 ~32:29/03/2023

2025/08112 ~ Provisional ~54:TRAFFIC LIGHT SYSTEM ~71:COTTY, Darryl Edward Albert, 99 Atholl Road, House B, ATHOLL, Sandton 2196, Gauteng, SOUTH AFRICA, South Africa;GREY, Hilary Joan, 99 Atholl Road, ATHOLL, Sandton 2196, Gauteng, SOUTH AFRICA, South Africa;RAMAITE, Peter Naledzani, 682/3 Teac Close, KYALAMI ESTATES 1884, Gauteng, SOUTH AFRICA, South Africa;VAN WYK, Petrus Jacobus, 72 Adelaar Crescent, RANDPARK RIDGE, Johannesburg 2188, Gauteng, SOUTH AFRICA, South Africa ~72: COTTY, Darryl Edward Albert~

2025/08121 ~ Complete ~54:WHEEL ~71:JHB WHEELS CC, 7 VISAGIE ROAD PRETORIUSSTAD,, South Africa ~72: GERBER, Barend Jacobus~

2025/08136 ~ Complete ~54:CONFECTIONERY ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: LAZIDIS, Aristodimos;STOKES, David~ 33:EP ~31:23159511.7 ~32:01/03/2023

2025/08143 ~ Complete ~54:ANTI-CD28 COMPOSITIONS ~71:XENCOR, INC., 465 North Halstead Street, Suite 200, Pasadena, California 91107, United States of America ~72: CHAOFANG TAN;CHARLES G BAKHIT;DONG HYUN NAM;ERNESTO DELGADO;GREGORY MOORE;HEATHER PRECIADO JIMENEZ;JING QI;JUAN DIAZ;MICHAEL HEDVAT;PATRICK ARPP;RUMANA RASHID;VERONICA GUSTI ZENG;VIRALKUMAR

RAMESHKUMER DAVRA~ 33:US ~31:63/490,167 ~32:14/03/2023;33:US ~31:63/490,171 ~32:14/03/2023;33:US ~31:63/495,989 ~32:13/04/2023;33:US ~31:63/496,374 ~32:14/04/2023;33:US ~31:63/578,592 ~32:24/08/2023

2025/08120 ~ Complete ~54:A RADIAL PRESSURE TESTING DEVICE ~71:Changjiang River Scientific Research Institute, No. 23 Huangpu Street, Wuhan City, Hubei Province, 430012, People's Republic of China ~72: HU, Bo;LI, Bo;LI, Cong'an;QIU, Jinwei;SUN, Hui;ZHAO, Na~ 33:CN ~31:202521831045.3 ~32:27/08/2025

2025/08125 ~ Complete ~54:DEVICE AND METHOD FOR DILATION OF A TUBULAR ANATOMICAL STRUCTURE ~71:ENDO UV TECH, 515 E. Las Olas Blvd., No. 120, Fort Lauderdale, Florida, 33301, United States of America ~72: BRANT D WATSON;HENRY W VAN VURST~ 33:US ~31:63/322,821 ~32:23/03/2022

2025/08130 ~ Complete ~54:METHOD OF INCREASING LIFESPAN IN MAMMALS ~71:CELLULAR LONGEVITY, INC., 548 Market Street, #26099, United States of America ~72: GREENWOOD, Karen;HALIOUA-HAUBOLD, Celine-Lea;JUAREZ-SALINAS, Dina;LACROIX-FRALISH, Michael;PELOQUIN, Matt~ 33:US ~31:63/454,874 ~32:27/03/2023

2025/08133 ~ Complete ~54:FILLING FOR CONFECTIONERY AND CONFECTIONERY COMPRISING THAT FILLING ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: LAZIDIS, Aristodimos;STOKES, David~ 33:EP ~31:23159511.7 ~32:01/03/2023

2025/08142 ~ Complete ~54:COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANTHEA KATRINA BLACKBURN;JEREMY NICHOLAS WINTER;MARTIN CHARLES CROSSMAN;MICHAEL RICHARD KEMBER~ 33:EP ~31:23169773.1 ~32:25/04/2023

2025/08144 ~ Complete ~54:INTRA PREDICTION METHOD AND APPARATUS BASED ON INTERPOLATION FILTERING, VIDEO ENCODING METHOD AND APPARATUS, VIDEO DECODING METHOD AND APPARATUS, AND SYSTEM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No.18 Haibin Road, Wusha, Chang'an, Dongguan, Guangdong, 523860, People's Republic of China ~72: LUHANG XU~

2025/08110 ~ Provisional ~54:REUSABLE CRATE SYSTEM FOR MOTORCYCLE AND VEHICLE GROCERY DELIVERY ~71:Zachary Du Toit, 100 de Beers Road, Strand, Western Cape, South Africa, 7140, South Africa ~72: Zachary Du Toit~

2025/08117 ~ Complete ~54:GREENING VEGETATION TRANSPLANTING DEVICE FOR ECOLOGICAL RESTORATION OF MINING AREA ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan 063210, Hebei, People's Republic of China ~72: LI, Fuping;LI, Xiaoguang;LU, Mingxing;MAN, Weidong;TIAN, Gui'e~ 33:CN ~31:202510079199.X ~32:17/01/2025

2025/08119 ~ Complete ~54:ANTI-FREEZING AND ANTI-ADHESION LINING STRUCTURE AND RAILWAY OPEN-TOP WAGON ~71:CRRC TAIYUAN CO., LTD., No.129, Xinghua West Street, Wanbailin District, Taiyuan, People's Republic of China ~72: CHEN, Yan;FENG, Kai;JING, Shengshou;LI, Jing;LIU, Wensheng;LIU, Zhihui;YUAN, Wangming~ 33:CN ~31:CN2025106880361 ~32:27/05/2025

2025/08128 ~ Complete ~54:AN ANTITHEFT DEVICE FOR CAR WHEELS AND AN INSERT STRUCTURE THERETO ~71:RIMGARD SWEDEN AB, Frösundaviks Alle 10, Sweden ~72: Lars IVARSSON;Marcus EKSTRÖM~ 33:US ~31:63/453,309 ~32:20/03/2023

2025/08138 ~ Complete ~54:LIQUID HOMOGENEOUS AGROCHEMICAL COMPOSITION OF INSECTICIDES ~71:Adama Makhteshim Ltd., P. O. BOX 60, BEER-SHEVA 8410001, ISRAEL, Israel ~72: DAHAN, Yogev;STERN, Nadya~ 33:US ~31:63/454,329 ~32:24/03/2023

2025/08115 ~ Complete ~54:AUTOMATIC ADJUSTMENT DEVICE FOR RAILWAY VEHICLE BRAKING SYSTEM AND RAILWAY VEHICLE ~71:CRRC TAIYUAN CO., LTD., No.129, Xinghua West Street, Wanbailin District, Taiyuan, People's Republic of China ~72: GUO, Huan;HA, Caixia;LI, Xuying;LIU, Juan;LIU, Wensheng;MENG, Yue;YUAN, Yugang;ZHANG, Bei~ 33:CN ~31:CN 202411714938X ~32:27/11/2024

2025/08129 ~ Complete ~54:MANUALLY OPERABLE DEVICE FOR AUTOMATICALLY OPENING AND CLOSING UMBRELLA AND PARASOL ~71:NO, Jun Hyung, 315dong 1104ho 222, Gwangokji-ro, Siheung-si Gyeonggi-do, 16444, Republic of Korea;NO, Jun Woo, B 101 ho 113, Geumsan-ro 33beon-gil, Gunpo-si Gyeonggi-do, 15828, Republic of Korea ~72: NO, Jun Hyung;NO, Jun Woo~

. - APPLIED ON 2025/09/25 -

2025/08160 ~ Complete ~54:HYDRAULIC ENGINEERING DAM STRENGTH DETECTION DEVICE ~71:TIBET ZHENGXIN ENGINEERING TESTING TECHNOLOGY CO., LTD., No. 7, Laqingxi 2nd Road, People's Republic of China ~72: CHEN, Qiaoming;HAN, Rudong;HUANG, Fei;LI, Guanghai;LI, Taotao;LI, Yunhui;LIU, Lin;WANG, Xiaolong;YANG, Pingping;ZHANG, Xingqiao~

2025/08178 ~ Complete ~54:COMMUNICATION METHOD AND COMMUNICATION APPARATUS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: GAN, Ming;HU, Mengshi;MAO, Zhi;YU, Jian~ 33:CN ~31:202310286630.9 ~32:15/03/2023

2025/08180 ~ Complete ~54:PROCESS FOR HYDROGENATING A SUBSTRATE ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: BACKES, Adrian~ 33:GB ~31:2307175.6 ~32:15/05/2023

2025/08181 ~ Complete ~54:FIREARM NOTIFICATION SYSTEM AND ASSOCIATED METHODS ~71:Carry Sound LLC, 16506 White Haven Dr., NORTHVILLE 48168, MI, USA, United States of America ~72: MROUE, Matthew~ 33:US ~31:63/492,521 ~32:28/03/2023;33:US ~31:18/321,848 ~32:23/05/2023

2025/08186 ~ Complete ~54:BARLEY WITH IMPROVED PROPERTIES ~71:CARLSBERG A/S, J.C. Jacobsens Gade 1, 1799, København V, Denmark ~72: CHRISTOPH DOCKTER;HANNE CECILIE THOMSEN;KATARZYNA BRAUNE;MAGNUS WOHLFAHRT RASMUSSEN;MORTEN EGEVANG JØRGENSEN;PAI ROSAGER PEDAS;QIONGXIAN LU;SØREN KNUDSEN~ 33:EP ~31:23170908.0 ~32:01/05/2023;33:EP ~31:24157704.8 ~32:14/02/2024

2025/08152 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTING AND CONTROLLING RAPE DISEASES AND PESTS AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GONG Luping;LIN Daowei;LIU Dongxiao;ZHAO Mei~

2025/08162 ~ Complete ~54:MECHANICAL AND ELECTRONIC COMPONENT SURFACE CLEANING DEVICE ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, People's Republic of China ~72: HE, Fang~

2025/08156 ~ Complete ~54:A DEVICE AND METHOD FOR DETECTING AMINO ACID CONTENT IN FEED ~71:Henan Hai Rui Zheng Testing Technology Co., Ltd, No. 97 Dongqing Street, High tech Zone, Zhengzhou

City, Henan Province, 450001, People's Republic of China ~72: Cao Mingyue;Jin Junyang;Lan Jian;Lan Zunhai;Li Xian;Liu Lifang;Shan Huiyan;Xu Yanan;Xue Ning;Zhao Jingli~

2025/08146 ~ Provisional ~54:SYSTEM AND METHOD FOR OBJECTIVE-CONSTRAINED MULTI-CHANNEL MESSAGE GENERATION WITH COMPLIANCE GATING, SEMANTIC CROSS-VALIDATION, CRYPTOGRAPHIC REFERRAL ATTRIBUTION, AND BOUNDED ENGAGEMENT-DRIVEN REGENERATION ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: KABELO DIALE~

2025/08158 ~ Complete ~54:A PESTICIDE RESIDUE DETECTION DEVICE AND ITS INTERNAL SAMPLING COMPONENT ~71:Henan Hai Rui Zheng Testing Technology Co., Ltd, No. 97 Dongqing Street, High tech Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: Cao Mingyue;Jin Junyang;Lan Jian;Lan Zunhai;Li Xian;Shan Huiyan;Xu Yanan;Xue Ning;Zhao Jingli~

2025/08147 ~ Provisional ~54:ADDITIVELY MANUFACTURED CONCRETE SUPERCAPACITOR ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, South Africa ~72: GIBSON, Ruby Josephine;KRUGER, Pienaar Jacques~

2025/08149 ~ Provisional ~54:SYSTEM AND METHOD FOR MULTI-MODAL DIRECT MESSAGING WITH TEMPLATE-BASED COMPLIANCE AND WATERMARK-ANCHORED ATTRIBUTION ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: KABELO DIALE~

2025/08150 ~ Complete ~54:A HEALTH-PROMOTING ORAL LIQUID ~71:Shandong Zhongjian Changshenglu Biotechnology Co., Ltd., (Beimeng Town Industrial Cluster Area), South of the intersection of Senhui Road and Weijiao Road, Beimeng Town, Changyi, Weifang, Shandong, People's Republic of China ~72: Jubao CHEN;Songbai JIANG~

2025/08169 ~ Complete ~54:MELANOCORTIN SUBTYPE-2 RECEPTOR (MC2R) ANTAGONIST FOR THE TREATMENT OF ACTH-DEPENDENT CUSHING'S SYNDROME ~71:CRINETICS PHARMACEUTICALS, INC., 6055 Lusk Blvd., United States of America ~72: KRASNER, Alan S.;LUO, Sha;TRAINER, Peter~ 33:US ~31:63/457,144 ~32:05/04/2023

2025/08175 ~ Complete ~54:A METHOD FOR PRESERVING OR ENHANCING YIELD OF A FIELD-CULTIVATED CROP EXPOSED TO AT LEAST ONE ABIOTIC STRESS ~71:ELICIT PLANT, 1 Passage de la Croix, Lieu-dit Le Châtaignier, France ~72: JANIN, Marc;LAGEYRE, Jérôme;MOLIN, Aymeric;VERRIER, Pierre~ 33:EP ~31:23305561.5 ~32:13/04/2023;33:EP ~31:23305562.3 ~32:13/04/2023

2025/08179 ~ Complete ~54:FUNGICIDAL COMPOSITIONS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BLUM, Mathias;GERMAIN, Nicolas;JEANMART, Stephane André Marie;LE CHAPELAIN, Camille;LUMBROSO, Alexandre Franco Jean Camille;POULIOT, Martin~ 33:EP ~31:23167798.0 ~32:13/04/2023

2025/08191 ~ Complete ~54:A TRANSPORTATION FRAME ~71:EARTHECO GLOBAL PTY LTD, 80 Leitchs Rd, Brendale, Australia ~72: LINDSAY, Dermot;PRICE, Wade;WILSON, Jarad~ 33:AU ~31:2023900961 ~32:03/04/2023

2025/08318 ~ Complete ~54:A SAFETY NET FOR PERMANENT INSTALLATION AND A METHOD OF INSTALLING SAME ~71:NICAUD COMPANIES 22 (PTY) LTD, Platinum Industrial park, 88 van Belkum Street, South Africa ~72: FLANAGAN, Fredrick William~ 33:ZA ~31:2024/07138 ~32:18/09/2024

2025/08173 ~ Complete ~54:A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches,

Luxembourg ~72: Elke LEUNIS;Sigrid JACOBS;Xavier CHASSANG~ 33:IB ~31:PCT/IB2023/061527 ~32:15/11/2023

2025/08182 ~ Complete ~54:IRAK4 DEGRADER AND USE THEREOF ~71:SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD., Building 1, No. 576 Libing Road, No. 56 Faraday Road, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai, 201203, People's Republic of China ~72: BO CHEN;DAQING SUN;FANGCHAO BI;GUQIN SHI;HUA QIN;HUIMIN MA;JIASHENG FU;SHULAN QU;WEIKANG TAO;XIN LIU~ 33:CN ~31:202310204306.8 ~32:03/03/2023;33:CN ~31:202310532885.9 ~32:11/05/2023;33:CN ~31:202310715434.9 ~32:15/06/2023;33:CN ~31:202311004166.6 ~32:09/08/2023;33:CN ~31:202410196769.9 ~32:22/02/2024

2025/08148 ~ Provisional ~54:ORAL-MOUSE ~71:Manqoba Mnguni, 12 Dube str, South Africa ~72: Manqoba Mnguni~

2025/08163 ~ Complete ~54:CONTINUOUS COMPOSITE STEEL-CONCRETE BEAM WITH HYBRID FLAT AND CORRUGATED STEEL PLATE WEB ~71:CSCEC XINJIANG CONSTRUCTION & ENGINEERING GROUP CO., LTD, No. 239, Qingnian Road, Tianshan District, Urumqi City, People's Republic of China ~72: CHENG, Zhen;JI, Tingchao;LI, Xin;LI, Yangming;LIAO, Mouzai;RUAN, Nengsheng~

2025/08184 ~ Complete ~54:NOVEL GSPT1 DEGRADER AND USE THEREOF ~71:CYRUS THERAPEUTICS INC., 5th floor, 4 Jeongui-ro 8-gil, Songpa-gu, Seoul, 05836, Republic of Korea ~72: DONG HYUK KI;EUN-JUNG KIM;JAEYUNG LEE;JOONWOO NAM;MIN SUNG JOO;WOOSEOK HAN~ 33:KR ~31:10-2023-0048582 ~32:13/04/2023

2025/08187 ~ Complete ~54:HETEROCYCLOALKYL BETA-HYDROXY ALKYL AMINES FOR USE IN THE TREATMENT OF HYPERGLYCAEMIA AND DISORDERS CHARACTERISED BY HYPERGLYCAEMIA ~71:ATROGI AB, Tomtebodavägen 6 171 65 Solna, Sweden ~72: ILGA MUTULE;LINDA SUPE~ 33:GB ~31:2304651.9 ~32:29/03/2023;33:GB ~31:2308963.4 ~32:15/06/2023

2025/08157 ~ Complete ~54:A RAPID DETECTION DEVICE FOR PET FEED ~71:Henan Hai Rui Zheng Testing Technology Co., Ltd, No. 97 Dongqing Street, High tech Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: Cao Mingyue;Lan Zunhai;Shan Huiyan;Sun Fangfang;Wang Shoukun;Wang Yangyang;Xu Yanan;Yi Shanping;Zhang Hao;Zhao Jingli~

2025/08168 ~ Complete ~54:ADAPTIVE DEVICE FOR COLLECTING DRY MANURE AND DRY MANURE CLEANING VEHICLE ~71:SHANDONG ACADEMY OF AGRICULTURAL MACHINERY SCIENCES, No. 19 Sangyuan Road, Licheng District, Jinan City, People's Republic of China ~72: GAO, Yunhang;LI, Fuqiang;LI, Qingjiang;LUO, Shuai;REN, Dongmei;SUN, Shenggang;SUN, Zhimin;ZHANG, Cuiying~ 33:CN ~31:202411318224.7 ~32:20/10/2024

2025/08153 ~ Complete ~54:A METHOD FOR IMPROVING THE EFFICIENCY OF CARBON DIOXIDE SEQUESTRATION IN BASALT ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No. 1 Daxue Road, Tongshan District, Xuzhou, Jiangsu Province, 221116, People's Republic of China;SINOPEC PETROLEUM EXPLORATION AND PRODUCTION RESEARCH INSTITUTE, No. 197 Baisha Road, Changping District, Beijing, 102206, People's Republic of China;Xuzhou Mining Business Group Co., Ltd, No. 7 Qiantang Road, Yunlong District, Xuzhou, Jiangsu Province, 221018, People's Republic of China ~72: Bai Zongrong;Li Jianfeng;Liu Kerui;Xing Yuekun;Xu Hang;Zhang Yao~

2025/08159 ~ Complete ~54:ORAL CLEANING DEVICE FOR PATIENTS WITH SWALLOWING DISORDERS ~71:Hunan Cancer Hospital, No. 582, Xianjia Lake, Yuelu District, Changsha City, Hunan Province, 410205,

People's Republic of China ~72: Caiyun YI;Hong CHEN;Li LI;Limin QING;Man YAO;Xiaohua SONG~ 33:CN ~31:2025219438632 ~32:09/09/2025

2025/08165 ~ Complete ~54:VARIABLE FERTILIZER APPLICATION REGULATING DEVICE AND CONTROL METHOD THEREFOR ~71:Institute of Agricultural Information Technology, Henan Academy of Agricultural Sciences, No. 116 Huayuan Road, Jinshui District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: CHEN Dandan;HAN Shaoyu;LI Guoqiang;WANG Meng;ZANG Hecang;ZHANG Jie;ZHANG Siqi;ZHAO Qing~

2025/08185 ~ Complete ~54:CHANNEL OPERATION METHOD AND APPARATUS, COMMUNICATION DEVICE, AND STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin, Wusha, Chang'an Dongguan, Guangdong, 523860, People's Republic of China ~72: CHAOMING LUO;LIUMING LU;PEI ZHOU;YAPU LI~

2025/08190 ~ Complete ~54:METHODS AND SYSTEMS FOR SLUICING RADIONUCLIDES FROM RESIN PACKED COLUMNS ~71:SHINE TECHNOLOGIES, LLC, 3400 Innovation Ct., Janesville, Wisconsin, 53546, United States of America ~72: ABDUL MOMEN;MAREK PIECHOWICZ;MARK JOHNSON;RILEY MCSWEENY~ 33:US ~31:18/115,599 ~32:28/02/2023

2025/08172 ~ Complete ~54:ISOLATED TRANSPOSASE AND USE THEREOF ~71:BEIJING ASTRAGENOMICS TECHNOLOGY CO., LTD., F/1, No.16F Block, North Area of Yonyou Industrial Park, No.68 Beiqing Road, People's Republic of China ~72: SHI, Chengxi;WEI, Ting;YU, Daqi;ZHAO, Chen~ 33:CN ~31:202310304620.3 ~32:27/03/2023

2025/08177 ~ Complete ~54:COATED CONTAINER AND PROCESS OF PREPARATION ~71:Pilkington Group Limited, European Technical Centre, Hall Lane, Lathom, NR. ORMSKIRK L40 5UF, LANCASHIRE, UNITED KINGDOM, United Kingdom ~72: NEGREA, Alina;PARKIN, Ivan P.;RAISBECK, Deborah~ 33:GB ~31:2304620.4 ~32:29/03/2023

2025/08183 ~ Complete ~54:LIPID NANOPARTICLES COMPRISING CODING RNA MOLECULES FOR USE IN GENE EDITING AND AS VACCINES AND THERAPEUTIC AGENTS ~71:RENAGADE THERAPEUTICS MANAGEMENT INC., 500 Forge Road, Watertown, Massachusetts 02472, United States of America ~72: GANAPATHY SUBRAMANIAN SANKARAN;KAROLINA ANNA KOSAKOWSKA;MUTHUSAMY JAYARAMAN~ 33:US ~31:63/452,292 ~32:15/03/2023;33:US ~31:63/452,293 ~32:15/03/2023;33:US ~31:63/490,298 ~32:15/03/2023;33:US ~31:63/490,305 ~32:15/03/2023;33:US ~31:63/490,311 ~32:15/03/2023;33:US ~31:63/490,312 ~32:15/03/2023;33:US ~31:63/490,381 ~32:15/03/2023;33:US ~31:63/490,384 ~32:15/03/2023;33:US ~31:63/490,385 ~32:15/03/2023;33:US ~31:63/490,387 ~32:15/03/2023;33:US ~31:63/552,484 ~32:12/02/2024

2025/08170 ~ Complete ~54:VECTOR ENCODING ROD-DERIVED CONE VIABILITY FACTOR AND HUMAN IGK SIGNAL SEQUENCE ~71:PHARMA CINQ, LLC, 1601 Research Boulevard, Rockville, United States of America ~72: LIANG, Fong Qi;LIPUT, Daniel;LUO, Tianci~ 33:US ~31:63/455,867 ~32:30/03/2023

2025/08188 ~ Complete ~54:SODIUM BENTONITE CONTAINING WATER-BASED BARRIER COATING AND METHOD OF MAKING THE SAME ~71:SPECIALTY MINERALS (MICHIGAN) INC., 40600 Ann Arbor Rd., Suite 201, Plymouth, Michigan, 48170, United States of America ~72: PRADNYA DILIP RAO;SHERMAN DAVID COX~ 33:US ~31:63/454,536 ~32:24/03/2023

2025/08151 ~ Complete ~54:DISPOSABLE SUCTION HOSE KIT FOR LAPAROSCOPIC SURGERY ~71:Quzhou People's Hospital (Quzhou Central Hospital), No. 100, Minjiang Road, Kecheng Dist., Quzhou, Zhejiang, People's Republic of China ~72: Bo Shao;Huiling Liu;Jianping Fan;Jun Qian;Junhua Yu;Yujun Zhao~

2025/08154 ~ Complete ~54:DETECTOR FOR SUBCLINICAL MASTITIS IN DAIRY COWS ~71:JIAXING VOCATIONAL AND TECHNICAL COLLEGE, No. 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, 314036, People's Republic of China;Jiaxing Animal Husbandry and Veterinary Station, No. 758 Huayuan Road, Nanhu District, Jiaxing City, Zhejiang Province, 314050, People's Republic of China;Jiaxing City Xiuzhou District Wangdian Town Rural Agriculture Office, No. 599 Xingle Road, Wangdian Town, Xiuzhou District, Jiaxing City, Zhejiang Province, 314011, People's Republic of China;Jiaxing Dongxing Animal Husbandry Co., Ltd., Group 4, Honglian Village, Wangdian Town, Xiuzhou District, Jiaxing City, Zhejiang Province, 676299, People's Republic of China ~72: FAN, Guoliang;GU, Libin;WANG, Junshu;XIONG, Renping;XU, Jinqiang;YU, Haijie;YUAN, Zengzhuang;ZHANG, Shaodong~

2025/08161 ~ Complete ~54:BACTERIAL FERTILIZER FOR IMPROVING DISEASE RESISTANCE OF PERENNIAL RICE, PREPARATION METHOD AND APPLICATION THEREOF ~71:GUANGXI ACADEMY OF AGRICULTURAL SCIENCES, No. 174, Daxue East Road, Xixiangtang District, Nanning City, Guangxi, 530007, People's Republic of China ~72: CAI Jianhe;CUI Lixian;LI Youcong;LI Zhanbiao;LIU Lihui;MO Cuiping;QIN Bixia;WU Hao;XIE Huiting;ZHONG Li~ 33:CN ~31:2025111415069 ~32:14/08/2025

2025/08167 ~ Complete ~54:SIRNA FOR TARGETED INHIBITION OF AGT GENE EXPRESSION AND USE THEREOF IN TREATING HYPERTENSION ~71:HANGZHOU TIANLONG PHARMACEUTICAL CO., LTD., Room 701, Building 3, Yinhai Science and Technology Innovation Center, Xiasha Subdistrict, People's Republic of China ~72: GAO, Zhongcai;HUANG, Zeao;JI, Guangshen;SONG, Gengshen;TIAN, Zhikang;WU, Yucheng;YANG, Shuo;ZHANG, Man;ZHANG, Wei~ 33:CN ~31:2024113570897 ~32:26/09/2024

2025/08193 ~ Provisional ~54:SYSTEM AND METHOD FOR AFFECTIVE AND SUBCONSCIOUS INTELLIGENCE ANALYSIS ~71:Mezzoforte Privilege Khoza, 8 Upper Portswood Road, South Africa ~72: Mezzoforte Privilege Khoza~

2025/08194 ~ Provisional ~54:SYSTEM AND METHOD FOR AI-MEDIATED QUANTUM, TEMPORAL, AND MULTIVERSAL GOVERNANCE ~71:MEZZOFORTE PRIVILEGE KHOZA, 8 Upper Portswood Road, South Africa ~72: MEZZOFORTE PRIVILEGE KHOZA~

2025/08236 ~ Provisional ~54:LIPCLIP ~71:Reatile Madoda Mosia, 84 Eekhoring rd,, South Africa ~72: Reatile Madoda Mosia~

2025/08166 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING NEUROPSYCHIATRIC DISORDERS ~71:HB BIOTECH, INC., 515 West 20th Street, #4E, New York, New York 10011, United States of America ~72: ALON SEIFAN~ 33:US ~31:63/011,932 ~32:17/04/2020;33:US ~31:63/111,156 ~32:09/11/2020

2025/08192 ~ Provisional ~54:MODULAR AI-GOVERNED INFRASTRUCTURE FOR ETHICAL FINANCIAL DECISIONING AND AUTONOMOUS OPERATION ~71:Mezzoforte Privilege Khoza, 8 Upper Portswood Road, South Africa ~72: Mezzoforte Privilege Khoza~

2025/08195 ~ Provisional ~54:A SYSTEM AND METHOD FOR A FULLY AUTONOMOUS CORPORATE ENTITY ~71:MEZZOFORTE PRIVILEGE KHOZA, 8 Upper Portswood Road, South Africa ~72: MEZZOFORTE PRIVILEGE KHOZA~

2025/08155 ~ Complete ~54:METHOD FOR EXTRACTING ENDOMETRIAL MESENCHYMAL STEM CELLS FROM ECTOPIC LESIONS OF ADENOMYOSIS AND USE THEREOF ~71:AFFILIATED HOSPITAL OF INTEGRATED TRADITIONAL CHINESE AND WESTERN MEDICINE, NANJING UNIVERSITY OF CHINESE MEDICINE, No. 100, Shizi Street, People's Republic of China ~72: GUI, Tao;HUANG, Meihua;LI, Zhenli;QIAN, Weiwei;WAN, Guiping~

2025/08164 ~ Complete ~54:INHIBITORS OF MENIN-MLL INTERACTION ~71:BALA THERAPEUTICS, INC., 12730 High Bluff Drive, Suite 100, United States of America ~72: ABAGYAN, Ruben;IVACHTCHENKO, Alexandre Vasilievich;KHVAT, Alexander;PARCHINSKY, Vladislav Zenonovich;SAVCHUK, Nikolay~ 33:US ~31:63/287,716 ~32:09/12/2021;33:US ~31:63/306,399 ~32:03/02/2022;33:US ~31:63/397,322 ~32:11/08/2022

2025/08171 ~ Complete ~54:LIQUID DISTRIBUTION SYSTEMS, CROP SPRAYERS, AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: FRANK, William;GRAY, Tanner;PLATTNER, Chad, E.~ 33:US ~31:63/499,162 ~32:28/04/2023

2025/08174 ~ Complete ~54:WRAPPING MATERIAL OR PACKAGING MATERIAL ~71:TANNPAPIER GMBH, Fabrikstraße 48a, Austria ~72: KNAUSEDER, Bernhard~ 33:AT ~31:A50136/2023 ~32:27/02/2023

2025/08176 ~ Complete ~54:A ROCK BOLT ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia ~72: RATAJ, Mietek;WEAVER, Steven~ 33:EP ~31:23164639.9 ~32:28/03/2023

2025/08189 ~ Complete ~54:SWELLABLE CLAY CONTAINING WATER-BASED BARRIER COATING AND METHOD OF MAKING THE SAME ~71:SPECIALTY MINERALS (MICHIGAN) INC., 40600 Ann Arbor Rd., Suite 201, Plymouth, Michigan, 48170, United States of America ~72: PRADNYA DILIP RAO;SHERMAN DAVID COX~ 33:US ~31:63/454,558 ~32:24/03/2023

. - APPLIED ON 2025/09/26 -

2025/08223 ~ Complete ~54:SOLAR CELL AND MANUFACTURING METHOD THEREFOR ~71:JA SOLAR TECHNOLOGY YANGZHOU CO., LTD., No. 1, Jianhua Road, Economic Development Zone, Yangzhou, Jiangsu, 225131, People's Republic of China ~72: JUNBING ZHANG;XIAOYE CHEN;XIULIN JIANG~ 33:CN ~31:202310322839.6 ~32:29/03/2023

2025/08198 ~ Complete ~54:LASER ONLINE MEASUREMENT AND MULTI-DOT MATRIX TOOLING COORDINATED ADJUSTMENT EQUIPMENT ~71:Anhui Shangzhan Mould Industrial Co., Ltd, No. 22 Jinfu Road, Shuangfeng Industry District, Changfeng County, Hefei City, Anhui Province, People's Republic of China;Chaohu University, No.1 Bantang Road, Chaohu Economic Development Zone, Hefei City, Anhui Province, 238000, People's Republic of China ~72: Jia Bin;Wang Shan;Wang Yuexia;Wang Yuqin;Zheng Xiang~

2025/08209 ~ Complete ~54:METHOD FOR RECOVERING AND UPGRADING LOW CONCENTRATION SURFACTANTS FROM WASH WATER ~71:CIDRA CORPORATE SERVICES LLC, 50 BARNES PARK NORTH, WALLINGFORD, CONNECTICUT 06492, USA, United States of America ~72: BAILEY, Timothy, J.;FERNALD, Mark;O'KEEFE, Christian;RYAN, Michael, Stephen~ 33:US ~31:63/448,727 ~32:28/02/2023

2025/08203 ~ Complete ~54:A LASER-GUIDED MULTI-MODEL ADAPTIVE MEASUREMENT FIXTURE POSITIONING DEVICE ~71:Anhui Shangzhan Mould Industrial Co., Ltd, No. 22 Jinfu Road, Shuangfeng Industry District, Changfeng County, Hefei City, Anhui Province, People's Republic of China;Chaohu University, No.1 Bantang Road, Chaohu Economic Development Zone, Hefei City, Anhui Province, 238000, People's Republic of China ~72: Jia Bin;Wang Shan;Wang Yuexia;Wang Yuqin;Zheng Xiang~

2025/08232 ~ Complete ~54:ANTISENSE OLIGONUCLEOTIDE (ASO) GENE INHIBITION AND TREATMENT ~71:PRZYCHODZEN, Bartlomiej, 2200 Pennsylvania Ave. NW, Suite 300E, United States of America;VANDA PHARMACEUTICALS INC., 2200 Pennsylvania Ave. NW, Suite 300E, United States of America ~72: PRZYCHODZEN, Bartlomiej~ 33:US ~31:63/500,315 ~32:05/05/2023

2025/08222 ~ Complete ~54:PRODUCING POLYUREA-THICKENED LUBRICATING GREASES HAVING IMPROVED LUBRICATION PROPERTIES AND AGING STABILITY ~71:Fuchs SE, Einsteinstraße 11, MANNHEIM 68169, GERMANY, Germany ~72: BINKLE, Olaf;KESSLER, Elmar;LITTERS, Thomas;RONELLENFITSCH, Mathias~ 33:DE ~31:10 2023 108 177.2 ~32:30/03/2023

2025/08221 ~ Complete ~54:GENE THERAPY ~71:Consiglio Nazionale delle Ricerche, P.le Aldo Moro 7, ROME 00185, ITALY, Italy;Ospedale San Raffaele S.r.l., Via Olgettina 60, MILAN 20132, ITALY, Italy ~72: BROCCOLI, Vania;GIANNELLI, Serena;LUONI, Mirko~ 33:EP ~31:23163561.6 ~32:22/03/2023

2025/08201 ~ Complete ~54:WIDE-TEMPERATURE-RANGE LITHIUM/FLUORINATED CARBON BATTERY, CATHODE MATERIAL, AND ELECTROLYTE ~71:Nankai University, 94 Weijin Road, Nankai District, Tianjin, 300071, People's Republic of China ~72: WANG, Huan;WANG, Wei~ 33:CN ~31:2024113985611 ~32:09/10/2024

2025/08208 ~ Complete ~54:DATA ANALYSIS DEVICE AND COMPUTER-READABLE STORAGE MEDIUM ~71:YAZAKI CORPORATION, 8-15, Konan 1-Chome, Minato-ku, Tokyo, 1080075, Japan ~72: KOSUKE KOGO~ 33:JP ~31:2024-167644 ~32:26/09/2024

2025/08212 ~ Complete ~54:SALTS OF N-SUBSTITUTED 2-AMINO-4-METHYLPYRIMIDINE-5-YL-CARBOXYLIC ACIDS AS GROWTH STIMULATORS FOR PLANTS AND FUNGI ~71:JOINT-STOCK COMPANY "CAPITALMASTER", office 12, ul. Komsomolskaya, d. 132, Yoshkar-Ola, Russian Federation ~72: POTAPOV, Andrey Iurievich~ 33:RU ~31:2023108799 ~32:07/04/2023

2025/08213 ~ Complete ~54:METHODS OF FABRICATING A MOUTHGUARD ~71:MEINTJES, Ralph Lancelot, 25 Lilac, Strelitzia Park, South Africa ~72: ASLAM, Fahad Zaheer;HAVEMANN, Ignatius;IMRAN, Mohammed Zaahid;IMRAN, Mohammed Zain;MEINTJES, Ralph Lancelot~ 33:ZA ~31:2023/03256 ~32:02/03/2023

2025/08218 ~ Complete ~54:COMPOSITIONS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: LAURENCON, Lise;MICHALSKY, Krystof;STEGHÖFER, Susanne Katharina~ 33:GB ~31:2302791.5 ~32:27/02/2023

2025/08234 ~ Provisional ~54:TECHNICAL SUPPORTING DOCUMENT FOR SYSTEM AND METHOD FOR SIM-BASED MULTI-CHAIN BLOCKCHAIN TRANSACTION WITH OFFLINE CAPABILITY ~71:Francois Pierre Joubert, 521,20th Ave, Rietfontein, South Africa ~72: Francois Pierre Joubert~

2025/08217 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: DRAAK, Johannes Wilhelmus;LEBENS, Pascal Leonard Maria Theodoor;LULOFS, Klaas Jakob;NEERHOF, Gijs;STEUNEBRINK, Tim Patrick~ 33:EP ~31:23158714.8 ~32:27/02/2023

2025/08219 ~ Complete ~54:1-(([1, 1',-BIPHENYL]-2-YL)SULFONYL)-4-FLUORO-N-(3-(METHYLSULFONYL)ALLYL)PIPERIDINE-4-CARBOXAMIDE DERIVATIVES AS RAS-PI3K MODULATORS FOR THE TREATMENT OF E.G. CANCER ~71:Vividion Therapeutics, Inc., 5820 Nancy Ridge Dr., SAN DIEGO 92121, CA, USA, United States of America ~72: BEDKE, Karl;BERRY, Cynthia;COOK, Brian;HORNING, Benjamin;ONDOZABAL, Hideki Miyatake;PAN, Chung-Mao;TAMIYA, Junko~ 33:US ~31:63/487,431 ~32:28/02/2023

2025/08231 ~ Complete ~54:RESOURCE-SAVING CLOSURE DEVICE ~71:BERICAP HOLDING GMBH, Kirchstasse 5, Germany ~72: KRAUTKRÄMER, Christian~ 33:DE ~31:10 2023 107 877.1 ~32:28/03/2023

2025/08200 ~ Complete ~54:AUTOMATIC PATHOLOGICAL IMAGE SEGMENTATION AND CLASSIFICATION SYSTEM ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No. 149, Dalian Road, Huichuan District, Zunyi City, Guizhou Province, People's Republic of China ~72: Jinhua Xia;Qing Ji;Suyuan Zhang~ 33:CN ~31:2025113208716 ~32:16/09/2025

2025/08214 ~ Complete ~54:METHOD FOR PREPARING AND PURIFYING HIGH-PURITY VANADIUM SPONGE ~71:PANGANG GROUP PANZHIHUA IRON & STEEL RESEARCH INSTITUTE CO., LTD., No. 90, Taoyuan Street, East District, People's Republic of China ~72: DU, Guangchao;JIANG, Lin;WANG, Jinpeng;WANG, Shiwei~ 33:CN ~31:202411930573.4 ~32:25/12/2024

2025/08224 ~ Complete ~54:GNRH-BINDING POLYPEPTIDES AND USES THEREOF ~71:272BIO LIMITED, The Gateway Building Collegiate Square, Shinfield, Reading, Berkshire, England, RG2 9LH, United Kingdom;BIOAZ, 5 le Grand Chaillat, 33230, Maransin, France ~72: CHARLES OWEN;FRANÇOIS BERTELLI;INÊS PIMENTA DE CASTRO;ROMAIN DELCOMBEL~ 33:EP ~31:23305451.9 ~32:30/03/2023

2025/08226 ~ Complete ~54:CYCLOHEXYL OR HETEROCYCLOALKYL BETA-HYDROXY ALKYL AMINES FOR USE IN THE TREATMENT OF HYPERGLYCAEMIA AND DISORDERS CHARACTERISED BY HYPERGLYCAEMIA ~71:ATROGI AB, Tomtebodavägen 6, 171 65 Solna, Sweden ~72: GINTS ŠMITS;ILGA MUTULE~ 33:GB ~31:2304661.8 ~32:29/03/2023

2025/08233 ~ Provisional ~54:AI-DRIVEN PLAN SUBMISSION PLATFORM FOR AUTOMATED REGULATORY COMPLIANCE AND APPROVAL ~71:ADRIAAN ADAM PRETORIUS, BROOKDALE FLATS, SOMERSET LAKES ESTATE, WESTERN CAPE, South Africa ~72: ADRIAAN ADAM PRETORIUS~

2025/08196 ~ Provisional ~54:A MULTI-LAYER SECURITY SYSTEM ~71:KOLM SHIELD (PTY) LTD, 10 Shire Road, West Riding, South Africa ~72: MANZAMBI, Nathan Ndongala;MTHEMBU, Lunga;PAVLOFF, Ulysse;SAKWA, Cyprian Omukhwaya;SANON, Sogo Pierre;TSWA-WEN, Pierre-Patrick Banga-Banga~

2025/08205 ~ Complete ~54:STRUCTURAL PRODUCT ~71:KIRK,William James, 34 Laboria Street, Isandovale, South Africa ~72: KIRK, William James;SEUTE, Horst~

2025/08206 ~ Complete ~54:METHOD FOR THE RECOGNITION AND PREDICTION OF FAILURE MODES IN HARD ROCK UNDER HIGH-TEMPERATURE, HIGH-STRESS CONDITIONS ~71:ZHOU, Hongyuan, No. 3 Wenhua Road, Heping District, Shenyang City, People's Republic of China ~72: HUANG, Ruizhi;LI, Yongping;LIU, Zaobao;SU, Kaibo;WU, Ming;ZHOU, Hongyuan~

2025/08207 ~ Complete ~54:A PULSED AIR-ENTRAINED WATER JET DEVICE FOR SOLID WASTE TREATMENT ~71:ChangJiang River Scienfitic Research Institute, ChangJiang Water Resources Commission, No. 23, Huangpu Street, Jiang’an District, Wuhan City, Hubei Province, 430000, People's Republic of China ~72: CHEN Duan;CHEN Yang;HE Yong;HUANG Minghai;LI Jing;TANG Xiangfu;XIANG Yong;YANG Wei;ZENG Xiang~

2025/08211 ~ Complete ~54:AEROSOL-GENERATING ARTICLE HAVING HOLLOW TUBULAR ELEMENT ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: COUDERC, Gaëtan Antony;KADIRIC, Alen~ 33:EP ~31:23159494.6 ~32:01/03/2023

2025/08202 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF PHOTORESPONSIVE MODIFIED POLYVINYL CHLORIDE NANOFIBER ~71:Kunming University, No. 2 Puxin Road, Kunming Economic and Technological Development Zone, Kunming, Yunnan Province, 650214, People's Republic of China ~72: Gang XIE;Hongxing HE;Ni YANG;Yi ZHANG;Zhifeng NIE~ 33:CN ~31:2024113701728 ~32:29/09/2024

2025/08215 ~ Complete ~54:COMPOUNDS FOR DEGRADATION AND INHIBITION OF KRAS (G12D) PROTEIN ~71:FOSHAN IONOVA BIOTHERAPEUTICS CO., INC., Suite 403-1, Building C, Foshan Hi-Tech Park, 60 Guxin Road, People's Republic of China;GUANGDONG TOUCHSTONE TRANSLATIONAL RESEARCH INSTITUTE CO., LTD., Floor 7, Building C, Foshan Hi-Tech Park, 60 Guxin Road, People's Republic of China;SHENZHEN IONOVA LIFE SCIENCE CO., LTD., Floor 16, Building 10, Shenzhen Biomedical Innovation Park, 14 Jinghui Road, People's Republic of China ~72: BABU, Reddigunta Ramesh;BAI, Chang;SU, Jing;XIA, Zilei;YAN, Yinfa~ 33:WO ~31:PCT/CN2023/084077 ~32:27/03/2023;33:US ~31:63/494607 ~32:06/04/2023;33:US ~31:63/602537 ~32:24/11/2023;33:WO ~31:PCT/CN2023/135267 ~32:30/11/2023

2025/08220 ~ Complete ~54:QUINOLINONE AMIDE COMPOUNDS AND USES THEREOF ~71:Edgewise Therapeutics, Inc., 1715 38th Street, BOULDER 80301, CO, USA, United States of America ~72: DEL RIO, Carlos Luis;EVANCHIK, Marc Justin;HAWRYLUK, Natalie Anne;HUNT, Kevin;KOCH, Kevin;LUZZIO, Michael Joseph;RUSSELL, Alan James;SCHLACHTER, Stephen Thomas~ 33:US ~31:63/492,441 ~32:27/03/2023

2025/08225 ~ Complete ~54:DUAL INHIBITOR TRYPSIN ANTIBODIES AND USES THEREOF ~71:TRIVENI BIO, INC., 99 Coolidge Avenue, Suite 450 Watertown, Massachusetts, 02472, United States of America ~72: ALLAN CAPILI;BRADLEY LUNDE;BRANTLEY HERRIN;EVA ASP;JASON HON;JENNIFER L DOVEY;JIA LI;LEONARD ZON;LIBIN LIU;SONYA ENTOVA;TODD BORLAND;YE TANG~ 33:US ~31:63/459,593 ~32:14/04/2023

2025/08227 ~ Complete ~54:IMIDAZOTRIAZINE DERIVATIVES AS IL-17 MODULATORS ~71:UCB BIOPHARMA SRL, Allée de la Recherche, 60, 1070, Brussels, Belgium ~72: GREGORY WILLIAM HASLETT;JAMES THOMAS REUBERSON~ 33:GB ~31:2305585.8 ~32:17/04/2023

2025/08199 ~ Complete ~54:A FOOD SAFETY TESTING SAMPLING BOX ~71:Dalian Ocean University, 2-52, Heishijiao Street, Hekou District, Dalian, Liaoning, People's Republic of China ~72: Luyan Zhang;Shuang Lv~

2025/08204 ~ Complete ~54:MOBILE ENERGY-STORAGE SCHEDULING METHOD AND DEVICE BASED ON KNOWLEDGE-CONSTRAINED DEEP EXPECTATION Q-NETWORK ~71:Shaanxi Shuzhinengke Electric Power Technology Co., Ltd., No. 2399 Fengxi Avenue, Fengxi New City, Xixian New District, Shaanxi Province, People's Republic of China;Xi’an Jiaotong University, No.28 Xianning West Road, Beilin District, Xi’an, Shaanxi, People's Republic of China ~72: Ding Tao;Du Sijun;Ma Zhijie;Wang Shunqi;Xue Tianyou~ 33:CN ~31:2024114106113 ~32:10/10/2024

2025/08216 ~ Complete ~54:HOT MELT ADHESIVE COMPOSITIONS INCLUDING MODIFIED STYRENE BLOCK COPOLYMER AND ARTICLES INCLUDING THE SAME ~71:H.B. FULLER COMPANY, 1200 Willow Lake Blvd, P.O. Box 64683, St. Paul, United States of America ~72: EVERSON, Daniel;GORMONG, Ethan~ 33:US ~31:63/500,860 ~32:08/05/2023;33:US ~31:63/590,890 ~32:17/10/2023

2025/08230 ~ Complete ~54:IMIDAZOTRIAZINE DERIVATIVES AS IL-17 MODULATORS ~71:UCB BIOPHARMA SRL, Allée de la Recherche, 60, 1070, Brussels, Belgium ~72: GREGORY WILLIAM HASLETT;JEFFREY BRUFFAERTS~ 33:GB ~31:2305587.4 ~32:17/04/2023

2025/08197 ~ Complete ~54:AN AMMONIA HARMFUL GAS PREVENTION DEVICE FOR A MOUSE CAGE ~71:Shunde Women and Children's Hospital of Guangdong Medical University, No. 3 Baojian Road, Daliang Street, Shunde District, Foshan City, Guangdong Province, People's Republic of China ~72: Liang Shaojie;Mao Dabin;Shang Qiannan;Zhu Dajian~

2025/08210 ~ Complete ~54:PADDLE MIXING DEVICE AND METHOD FOR THE CLEANING THEREOF ~71:BÜHLER AG, GUPFENSTRASSE 5, 9240 UZWIL, SWITZERLAND, Switzerland ~72: KLEIN, Frieder, Sorbas;OTERO, Marco~ 33:EP ~31:23159837.6 ~32:03/03/2023

2025/08235 ~ Provisional ~54:SIGNO ~71:Netshidzati Mashudu Lucky, 107 Villa Dine 534 Denmar Place, Gasfontein X16, South Africa ~72: Netshidzati Mashudu Lucky~

2025/08229 ~ Complete ~54:BISPECIFIC ANTIBODY BINDING TO THE PROTEASE-LIKE DOMAIN OF THE HUMAN TRANSFERRIN RECEPTOR HTFR1 ~71:BIOARCTIC AB, Warfvinges väg 35, 112 51, Stockholm, Sweden ~72: KEN HONEK;LISA SANDERSJÖÖ;PER-OLA FRESKGÅRD;RONNY FALK;SUNITHA BAGAWATH SINGH~ 33:EP ~31:23164089.7 ~32:24/03/2023;33:EP ~31:23164092.1 ~32:24/03/2023

2025/08228 ~ Complete ~54:ANTIBODY BINDING TO THE PROTEASE-LIKE DOMAIN OF THE HUMAN TRANSFERRIN RECEPTOR HTFR1 ~71:BIOARCTIC AB, Warfvinges väg 35, 112 51, Stockholm, Sweden ~72: HANNA LAUDON;KEN HONEK;LISA SANDERSJÖÖ;MARTIN LARHAMMAR;RONNY FALK~ 33:EP ~31:23164089.7 ~32:24/03/2023;33:EP ~31:23164092.1 ~32:24/03/2023

. - APPLIED ON 2025/09/29 -

2025/08245 ~ Provisional ~54:CABLE ANCHORS AND ACCESSORIES ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2025/08249 ~ Provisional ~54:A SYSTEM FOR, AND METHOD OF, INCREASING FINANCIAL SECURITY FOR AGENTS AND STAKEHOLDERS IN FINANCED ASSET TRANSACTIONS ~71:CLOETE, Deon, 151 Rockhaven, 78 Augrabies Street, Mooikloof Ridge Estate, South Africa ~72: CLOETE, Deon~

2025/08250 ~ Provisional ~54:TWO-STAGE PACKED BED COLUMN REACTOR AND METHODS FOR TREATMENT OF INDUSTRIAL EFFLUENTS ~71:UNIVERSITY OF SOUTH AFRICA, 1 PRELLER STREET MUCKLENEUK RIDGE, South Africa ~72: IJOMA, Grace Nkechinyere;OGOLA, Henry Joseph Oduor;TEKERE, Memory~

2025/08252 ~ Provisional ~54:RAPSCAN ~71:BHEKI MAHLANGU, STAND NO 404 MANDELA, South Africa;SELINAH THOKO FIHLIWE MAHLANGU, STAND NO 404 MANDELA, South Africa;TimothyJabulani Mahlangu, 404 Mandela Village, South Africa;VICTOR LINDOKUHLE MAHLANGU, STAND NO 404 MANDELA, South Africa ~72: BHEKI MAHLANGU;SELINAH THOKO FIHLIWE MAHLANGU;TimothyJabulani Mahlangu;VICTOR LINDOKUHLE MAHLANGU~

2025/08256 ~ Provisional ~54:BEAM – BEING THERE EMERGENCY ACCESS MODULE (SECURE EMERGENCY INFORMATION RELEASE SYSTEM) ~71:Lynn Garcia, 10 Bergkelder Place, South Africa ~72: Lynn Garcia;Matthew David Garcia~

2025/08257 ~ Provisional ~54:MODULAR PASSIVE RADIO FREQUENCY DETECTION SYSTEM AND METHOD ~71:FABIAN MATTHIAS NEL, MARMELSHAGEN 21, Germany ~72: FABIAN MATTHIAS NEL~

2025/08260 ~ Provisional ~54:METHOD AND APPARATUS FOR PRODUCING PREFORMED BEVERAGE CAN BLANKS WITH INTEGRATED SURFACE THINNING ~71:Martin Hempel, Endeavour Farm, South Africa ~72: Martin Hempel~

2025/08261 ~ Complete ~54:APPLICATION OF RAFFINOSE AS FEED ADDITIVE ~71:Xinjiang Agricultural University, 311 East Nongda Road, Urumqi, Xinjiang, 830052, People's Republic of China;Xinjiang TYCOON Group of Companies Limited, No. 369, Ningbian East Road, Changji City, Changji Prefecture, Xinjiang, 831100, People's Republic of China ~72: Buheliqiemu·YUSHAN’AJI;Fengming LI;Jiancheng LIU;Jiang YUAN;Junmei LI;Ping ZHANG;Qianqian KOU;Shuaipeng CUI;Yunjie LI~

2025/08263 ~ Complete ~54:PRIMER-PROBE SET OF TAQMAN-MGB REAL-TIME FLUORESCENT QUANTITATIVE PCR, KIT, AND TESTING METHOD FOR INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS

~71:HUAZHONG AGRICULTURAL UNIVERSITY, No.1 Shizishan, Hongshan District, Wuhan, Hubei, 430072, People's Republic of China ~72: JIN, Chao;LI, Jiakui;LI, Kewei;LI, Yan;YUAN, Haofang~

2025/08271 ~ Complete ~54:METHOD OF CONSTRUCTION WHOLE-LIFE CYCLE MANAGEMENT BASED ON BIM TECHNOLOGY AND ITS SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIE Chaoyang;LIU Chengyuan;LIU Hengshuo;LV Peihang;ZHU Kewang~

2025/08272 ~ Complete ~54:SELF-CLEANING FLOTATION COLUMN ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 68, Wenchang Road, 121st Street, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: Changtao WANG;Hang CHEN;Jing QI;Qiang SONG;Qilin ZHAI;Ruiqi XIE;Xian XIE;Xiong TONG;Yuanlin MA~

2025/08274 ~ Complete ~54:MICROBIAL FERTILIZER COMPOUNDED FROM MINERAL-SOURCE FULVIC ACID AND NITROGEN-FIXING BACTERIA AND EFFICIENCY-ENHANCING PROCESS THEREOF ~71:SHAANXI CITYMAX AGROTECH CO.,LTD, 300 Meters of 2 road Jiancai, Energy, Chemical, Building Materials Zone, Jian Jun Town, Yongshou County, Xianyang, Shaanxi, People's Republic of China ~72: Bin Zhang;Ying Liu;Zhuo An~

2025/08279 ~ Complete ~54:COMPOSITIONS COMPRISING NON-RACEMIC MIXTURES OF (R)- AND (S)-3,4-METHYLENEDIOXYMETHAMPHETAMINE OR (R) AND (S) N-METHYL-1,3-BENZODIOXOLYLBUTANAMINE AND USES THEREOF ~71:PHARMALA BIOTECH INC., 1055 West Georgia Street, 1500 Royal Centre, P.O. Box 11117, Vancouver, British Columbia, V6E 4N7, Canada ~72: HARPREET KAUR;LEONARD HOWELL;NICHOLAS KADYSH~ 33:US ~31:63/235,460 ~32:20/08/2021;33:US ~31:63/298,820 ~32:12/01/2022

2025/08288 ~ Complete ~54:PHENYLPIPERIDINE 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 ~31:23161417.3 ~32:13/03/2023

2025/08292 ~ Complete ~54:PROCESS FOR THE PRODUCTION OF BIO-ENGINEERED BLACK TI02 ~71:UNIVERSITY OF SOUTH AFRICA, 1 PRELLER STREET MUCKLENEUK RIDGE, South Africa ~72: FALL, Adama;MAAZA, Malek~ 33:ZA ~31:2023/03278 ~32:02/03/2023

2025/08296 ~ Complete ~54:CRYSTALLINE FORM OF AN EP4 ANTAGONIST ~71:Nxera Pharma UK Limited, Granta Park, Great Abington, CAMBRIDGE CB21 6DG, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: MANAGE, Ajith;MOHR, Amandine~ 33:EP ~31:23165829.5 ~32:31/03/2023

2025/08299 ~ Complete ~54:ANTI-TREM1 ANTIBODY AGENTS, COMPOSITIONS, AND USES THEREOF ~71:Celsius Therapeutics, Inc., 399 Binney Street, CAMBRIDGE 02139 , MA, USA, United States of America ~72: BSAT, Marwa;FIALLO, Juan Lopez;GUO, Siyang;HONIG, Gerard Stefan;JOHNSON, Kristen;L'ITALIEN, Lawrence;LI, Ping;MAGRAM, Jeanne;STRANSKY, Nicolas;VARMA, Mukund Madhav;WILTZIUS, Stephanie;ZUERNDORFER, Sarah~ 33:US ~31:63/461,130 ~32:21/04/2023

2025/08302 ~ Complete ~54:SYSTEMS, APPARATUSES, AND METHODS FOR DELIVERING EXPLOSIVE COMPOSITIONS INTO BOREHOLES ~71:ORICA INTERNATIONAL PTE LTD, 70 Anson Road, #07-02 Hub Synergy Point, Singapore ~72: HANCOCK, Mark Richard;MORTON, Darren;RIGBY, Greg;ROWE, Jennifer Liane;SCHNELLER, Adam Kurt~ 33:US ~31:63/492,238 ~32:26/03/2023

2025/08308 ~ Complete ~54:TRIPLE FRACTURING AND PERMEABILITY ENHANCEMENT DEVICE AND APPLICATION METHOD FOR HIGH-STRESS AND LOW-PERMEABILITY COAL SEAMS ~71:Anhui University of Science And Technology, No. 168 Taifeng Street, Huainan City, People's Republic of China ~72: LI Bin;LUO Chao;MU Chaomin;WANG Fei;WU Yangyong;YANG Chaozhi;ZHANG Lijuan~ 33:CN ~31:202511207706.X ~32:27/08/2025

2025/08237 ~ Provisional ~54:AFRIVOX OS — VOICE-FIRST OPERATING SYSTEM ELIMINATING KEYBOARDS AND ENABLING VOICE-ONLY INTERACTION ~71:Thapelo Mbokane, 8817 ext 10 Empumelelweni, South Africa ~72: Thapelo Mbokane~

2025/08242 ~ Provisional ~54:MOBILE AIRTIME AND DATA BANK WITH TRADING AND TRANSACTION CAPABILITIES ~71:PROSRAID AFRIKA, 02 FLOOR RIVONIA VILLAGE RIVONIA BLVD AND MUTUAL ROAD SANDTON 2128, South Africa ~72: Fon Godfred Mbakwa Jr~ 33:ZA ~31:N/A ~32:28/09/2025

2025/08243 ~ Provisional ~54:INTELLIGENT VOICEMAIL SYSTEM WITH PERSONALIZED RESPONSES AND MOBILE PERSONAL ASSISTANT CAPABILITIES ~71:PROSRAID AFRIKA, 02 FLOOR RIVONIA VILLAGE RIVONIA BLVD AND MUTUAL ROAD SANDTON 2128, South Africa ~72: Fon Godfred Mbakwa Jr~ 33:ZA ~31:N/A ~32:28/09/2025

2025/08254 ~ Provisional ~54:A SYSTEM FOR IMPLEMENTING A DRIVER TRAINING PROGRAMME ~71:DISCOVERY LIMITED, 1 Discovery Place, corner of Rivonia Road and Katherine Street, Sandton, 2196, South Africa ~72: THASMIRA RAMSINGH;YEHUDA ARYEH HOCKMAN~

2025/08238 ~ Provisional ~54:NASAL INSERT DEVICE FOR DISPENSING AROMATIC COMPOUNDS ~71:Scentguard Pty Ltd, 14 Durham Street, South Africa ~72: Matthew Ashley Reddy~

2025/08267 ~ Complete ~54:HIGH-ROAD-PERFORMANCE DRAINAGE ASPHALT PAVEMENT BLANKET AND PREPARATION METHOD THEREOF ~71:Beijing University Of Technology, No.100 Pingleyuan, Chaoyang District, Beijing, People's Republic of China ~72: QI Yue;SUN Guoqiang~

2025/08269 ~ Complete ~54:METHOD AND SYSTEM FOR EVALUATING EFFECT OF FOREST ECOLOGICAL ENVIRONMENT RESTORATION BASED ON REMOTE SENSING DATA ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: CHEN Lianjun;GAO Songfeng;LIU Zhan;YANG Yun;ZHOU Yushi~

2025/08273 ~ Complete ~54:E-COMMERCE DEVICE TERMINAL ~71:Shaanxi Lanyuan Jingxuan E-Commerce Co., Ltd., Group 9, Chaoyang Village, Zuolong Town, Shaanxi, 725400, People's Republic of China ~72: majuan~

2025/08276 ~ Complete ~54:CEREBRAL HEMORRHAGE PUNCTURE AND DRAINAGE DEVICE ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No. 149, Dalian Road, Huichuan District, Zunyi City, Guizhou Province, People's Republic of China ~72: Fuan Zhang;Jun Tang;Lanying Zhang;Rui Liu~ 33:CN ~31:2025113334278 ~32:18/09/2025

2025/08282 ~ Complete ~54:CHINESE-ENGLISH TERM INSERT CARD HOLDER DEVICE FOR ACCOUNTING STANDARDS COMPARISON TEACHING ~71:GUANGDONG OCEAN UNIVERSITY, No. 1 Luoqin Road, Jiangcheng District, Yangjiang City, Guangdong Province, 529568, People's Republic of China ~72: JIANG Leyi~

2025/08284 ~ Complete ~54:HYDROQUINAZOLINE DERIVATIVES FOR THE TREATMENT OF A DISEASE OR DISORDER ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: ANGST, Daniela;BOLDUC,

Philippe;CARSON, Matthew;CHEUNG, Atwood;DARSIGNY, Veronique;GAO, Xiang;HORNAK, Viktor;JENDZA, Keith;KARKI, Rajesh;LAL, Ajay Kumar;LIU, Gang;MAO, Justin Yik Ching;MCKENNA, Jeffrey M.;MEREDITH, Erik;MOGI, Muneto;RAUNIYAR, Vivek;SU, Liansheng;TICHKULE, Ritesh Bhanudasji;WANG, Shuangxi;ZHANG, Chun;ZHAO, Liang;ZHENG, Rui~ 33:US ~31:63/487,756 ~32:01/03/2023;33:US ~31:63/550,180 ~32:06/02/2024

2025/08290 ~ Complete ~54:EXTRACTION PROCESS ~71:SALAMANDER MAGNESIUM L.L.C-FZ, 6th Floor, Meydan Grandstand, Meydan Road, Nad Al Sheba, United Arab Emirates ~72: CAMERON DUNBAR BIRRELL;DEON ROBBERTZE;FREDERICK JOHANNES WILLEM JACOBUS LABUSCHAGNE;JAN CORNELIUS MENTZ;LLOYD DUNBAR BIRRELL;NICHOLAS ESPLEN SAILER~ 33:ZA ~31:2023/03794 ~32:24/03/2023

2025/08293 ~ Complete ~54:PROXIMITY DETECTION ~71:Newtrax Holdings Inc., 360 St-Jacques Street, 8th Floor, MONTREAL H2Y 1P5, QUÉBEC, CANADA, Canada ~72: BOUCHARD, Martin;CERVINKA, Alexandre;CORNEAU, Patrice~ 33:EP ~31:23166098.6 ~32:31/03/2023

2025/08295 ~ Complete ~54:GLUCOSE SENSITIVE INSULIN DERIVATIVES ~71:Novo Nordisk A/S, Novo Alle 1, BAGSVÆRD 2880, DENMARK, Denmark ~72: BURON, Line Due;HOEG-JENSEN, Thomas;KJELDSEN, Thomas Børglum;MADSEN, Alice Ravn;SAUERBERG, Per;VALORE, Henrik~ 33:EP ~31:23169455.5 ~32:24/04/2023;33:EP ~31:23199974.9 ~32:27/09/2023

2025/08300 ~ Complete ~54:IMIDAZO BICYCLIC DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GERMAIN, Nicolas;JEANMART, Stephane André Marie;LE CHAPELAIN, Camille;LUMBROSO, Alexandre Franco Jean Camille;POULIOT, Martin~ 33:EP ~31:23167800.4 ~32:13/04/2023

2025/08305 ~ Complete ~54:A SOURCE ROUTING INFORMATION DISSEMINATION SOLUTION FOR WIRELESS MESH NETWORKS ~71:WIREPAS OY, Visiokatu 4, Tampere, 33720, Finland ~72: JUHA SALOKANNEL;JUHO PIRSKANEN~ 33:FI ~31:20235271 ~32:09/03/2023

2025/08306 ~ Complete ~54:ENERGY STORAGE DEVICE AND CIRCUIT BREAKING CONTROL METHOD THEREOF ~71:ALPHA ESS CO., LTD., Bi Hua Road 1086, Tongzhou Industrial Development Zone Nantong, Jiangsu, 226300, People's Republic of China ~72: HAIYAN ZHANG;LIYAN SUN;XIONGJIANG LIU;XIULI SI;ZENGTING WU~ 33:CN ~31:202310644536.6 ~32:01/06/2023

2025/08246 ~ Provisional ~54:METHOD OF ENABLING COMMUNICATION BETWEEN MOBILE DEVICES ~71:MICHAEL BERRIMAN, 74 WONDERBOOM AVENUE, South Africa ~72: MICHAEL BERRIMAN~

2025/08248 ~ Provisional ~54:AUTOMATIC LITHIUM ION BATTERY SAFETY DEVICE ~71:Grant Richard Muir, 53 Selati street, South Africa ~72: Grant Richard Muir~

2025/08240 ~ Provisional ~54:SMART VISA INDENTIFICATION CARD SYSTEM FOR FOREIGN NATIONALS IN SOUTH AFRICA ~71:REFERENCE IMMIGRATION CHAMBER OF SOUTH AFRICA - REFICSA, 3rd Floor Office 02, Brooklyn Bridge Office Park 570 Fehrsen Street, South Africa ~72: Fon Godfred Mbakwa Jr~ 33:ZA ~31:N/A ~32:28/09/2025

2025/08259 ~ Provisional ~54:COINLESS TRANSACTION PROCESSING SYSTEM ~71:LONWABO NTLOKO, 565 TAU STREET, South Africa ~72: LONWABO NTLOKO~

2025/08265 ~ Complete ~54:DIETARY FIBER CHICKEN SAUSAGE AND PREPARATION METHOD THEREOF ~71:Hebei Normal University Of Science And Technology, No. 360, West Section of Hebei Street, Haigang

District, Qinhuangdao City, Hebei Province, 066004, People's Republic of China ~72: CHANG, Xuedong;CHENG, Yudou;HE, Daling;LIU, Suwen;MA, Jiancheng;SUN, Ruonan~

2025/08268 ~ Complete ~54:MICROBIAL INOCULANT AND USE IN RESISTING LEEK GRAY MOLD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIN Ruyi;LIU Dongxiao;WANG Lianzhe;ZHAO Mei~

2025/08275 ~ Complete ~54:A MACHINE LEARNING-BASED PESTICIDE SPRAYING DETECTION METHOD ~71:Langao Jiuyue Agricultural Development Co., Ltd., Building 2, Admin Building, Heping Village Industrial Park, Linhe Town, Shaanxi, 725499, People's Republic of China ~72: Xu Daogui~

2025/08277 ~ Complete ~54:METHOD FOR QUANTITATIVE ASSESSMENT AND VISUAL PRESENTATION OF MUSIC THERAPY EFFECTS ~71:Hunan City University, 518 Yingbin East Road, Yiyang, Hunan, People's Republic of China ~72: Lini Bu~

2025/08283 ~ Complete ~54:THE STRAIN OF CROCODILE-DERIVED BACILLUS VELEZENSIS L09 AND ITS APPLICATION IN AQUACULTURE ~71:Hainan University, No. 58, Renmin Avenue, Meilan District, Haikou City, Hainan Province, 570000, People's Republic of China ~72: Boxue Zhang;Danna Chen;Guiying Guo;Jiping Zheng;Lixia Fan;Nuo Yang;Xuesong Li~ 33:CN ~31:202411380863.6 ~32:30/09/2024

2025/08285 ~ Complete ~54:METHODS FOR REDUCING EXOGENOUS INSULIN USE ~71:PROVENTION BIO, INC., 55 Broad Street, 2nd Floor Red Bank, United States of America ~72: RAMOS, Eleanor, L.;RAYMOND, Ralph~ 33:US ~31:63/493,113 ~32:30/03/2023

2025/08289 ~ Complete ~54:ISOLATED NUCLEASE AND USE THEREOF ~71:BEIJING ASTRAGENOMICS TECHNOLOGY CO., LTD., F/1, No.16F Block, North Area of Yonyou Industrial Park, No.68 Beiqing Road, People's Republic of China ~72: LI, Yansha;SHI, Chengxi;WEI, Ting;YU, Daqi;ZHAO, Chen~ 33:CN ~31:202310304837.4 ~32:27/03/2023;33:CN ~31:PCT/CN2023/135175 ~32:29/11/2023

2025/08311 ~ Provisional ~54:WSA14:DUAL-PHASE SOIL STABILIZER, ECO-FRIENDLY AND QT TRACEABLE ~71:WETCE Holdings (Pty)Ltd., 1467 Kingston Road, Marina Martinique, South Africa ~72: Elizabeth Johanna Heymans~

2025/08291 ~ Complete ~54:ORAL PHARMACEUTICAL COMPOSITION, PROCESS FOR THE PRODUCTION OF GRANULES OR AN ORAL PHARMACEUTICAL COMPOSITION, ORAL PHARMACEUTICAL GRANULE, USE OF THE PHARMACEUTICAL COMPOSITION AND METHOD FOR TREATING INFLAMMATORY CONDITIONS, PAIN AND/OR AVOIDING THE USE OF PERIOPERATIVE OPIOID ~71:ACHÉ LABORATÓRIOS FARMACÊUTICOS S.A., Rodovia Presidente Dutra, s/n, KM 222,2, Brazil ~72: BERNES JUNIOR, Edson Antonio;CASTANHO MARTINS, Haline Fernanda;FREITAS MANCILHA, Raquel Aparecida;GRANDE, Fabiana Rosa~ 33:BR ~31:1020230069762 ~32:13/04/2023

2025/08301 ~ Complete ~54:ANTIBODIES THAT BIND TO MULTIPLE SARBECOVIRUSES ~71:Vir Biotechnology, Inc., 1800 Owens Street, Suite 900, SAN FRANCISCO 94158, CA, USA, United States of America ~72: CHANG, Paul M.;CHARTRON, Justin W.;CORTI, Davide;DE MARCO, Anna;LEE, Frederick S.;OLAFSON, Barry D.;PINTO, Dora;ROSEN, Laura;SNELL, Gyorgy~ 33:US ~31:63/495,260 ~32:10/04/2023;33:US ~31:63/626,876 ~32:30/01/2024;33:US ~31:63/557,275 ~32:23/02/2024

2025/08304 ~ Complete ~54:IMPROVED LINKER-PAYLOADS FOR ANTIBODY CONJUGATION, PHARMACEUTICAL COMPOSITIONS AND APPLICATIONS THEREOF ~71:OBI PHARMA, INC., 6F., No. 508, Sec. 7, Zhongxiao E. Rd., Nangang Dist., Taipei City, 115, Province of China, Taiwan, Province of China ~72:

HWEI-GENE WANG;MING-TAIN LAI;TENG-YI HUANG;YU LEE;YU-CHAO HUANG~ 33:US ~31:63/584,559 ~32:22/09/2023;33:US ~31:63/659,345 ~32:13/06/2024

2025/08310 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING DIABETIC NEPHROPATHY ~71:Guangxi University of Chinese Medicine, No. 13, Wuhe Avenue, Qingxiu District, Nanning City, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: Chunxiao YANG;Fang FANG;Jiajun YOU;Jing MA;Juanmei XIE;Xiaohan SUN;Xiaojie WEI;Xiaoxu JI;Yanping ZHOU;Yongxin CHEN~

2025/08244 ~ Provisional ~54:PIPE INSTALLER ~71:Shaun Luyt, 5A Fletcher Street, Top Town, South Africa, 5321, South Africa ~72: Shaun Luyt~

2025/08251 ~ Provisional ~54:MATERIAL SAMPLING ~71:T.K.O ENGINEERING CC, 353 Stradivarius Street, Melodie, South Africa ~72: ROBERTS, Dominique Vanessa;ROBERTS, Trevor George~

2025/08239 ~ Provisional ~54:SYSTEM AND METHOD FOR TRADING UNUSED AIRLINE BAGGAGE ALLOWANCE FOR PARCEL TRANSPORTATION ~71:REFERENCE IMMIGRATION CHAMBER OF SOUTH AFRICA - REFICSA, 3rd Floor Office 02, Brooklyn Bridge Office Park 570 Fehrsen Street, South Africa ~72: Fon Godfred Mbakwa Jr~ 33:ZA ~31:NO PRIORITY ~32:28/09/2025

2025/08241 ~ Provisional ~54:SMART PERMANENT RESIDENCE IDENTIFICATION CARD AND SYSTEM FOR FOREIGN NATIONALS IN SOUTH AFRICA ~71:REFERENCE IMMIGRATION CHAMBER OF SOUTH AFRICA - REFICSA, 3rd Floor Office 02, Brooklyn Bridge Office Park 570 Fehrsen Street, South Africa ~72: Fon Godfred Mbakwa Jr~ 33:ZA ~31:N/A ~32:28/09/2025

2025/08247 ~ Provisional ~54:SAFETZONE ~71:PRINCESS THULISILE MAHLANGU, STAND NO 404 MANDELA, South Africa;TimothyJabulani Mahlangu, 404 Mandela Village, South Africa;VICTOR LINDOKUHLE MAHLANGU, STAND NO 404 MANDELA, South Africa ~72: PRINCESS THULISILE MAHLANGU;TimothyJabulani Mahlangu;VICTOR LINDOKUHLE MAHLANGU~

2025/08255 ~ Provisional ~54:BIRTHRAPP ~71:BHEKI MAHLANGU, STAND NO 404 MANDELA, South Africa;PRINCESS THULISILE MAHLANGU, STAND NO 404 MANDELA, South Africa;SELINAH THOKO FIHLIWE MAHLANGU, STAND NO 404 MANDELA, South Africa;TimothyJabulani Mahlangu, 404 Mandela Village, South Africa ~72: BHEKI MAHLANGU;PRINCESS THULISILE MAHLANGU;SELINAH THOKO FIHLIWE MAHLANGU;TimothyJabulani Mahlangu~

2025/08258 ~ Provisional ~54:HELTMAPP ~71:BHEKI MAHLANGU, STAND NO 404 MANDELA, South Africa;PRINCESS THULISILE MAHLANGU, STAND NO 404 MANDELA, South Africa;SELINAH THOKO FIHLIWE MAHLANGU, STAND NO 404 MANDELA, South Africa;TimothyJabulani Mahlangu, 404 Mandela Village, South Africa ~72: BHEKI MAHLANGU;PRINCESS THULISILE MAHLANGU;SELINAH THOKO FIHLIWE MAHLANGU;TimothyJabulani Mahlangu~

2025/08264 ~ Complete ~54:CONSTRUCTION METHOD FOR MULTI-STAGE VENTILATION CORRIDOR CONSIDERING PATH DENSITY AND SPATIAL CONNECTIVITY ~71:Nanjing University, No.163 Xianlin Avenue, Qixia District, Nanjing, Jiangsu Province, 210023, People's Republic of China ~72: Chen ZHOU;Feixue LI;Lanfeng GE;Manchun LI;Nan XIA;Shiying LU;Weilong LIU;Zhenjie CHEN~ 33:CN ~31:202411453950X ~32:17/10/2024

2025/08266 ~ Complete ~54:GROWTH PROMOTER FOR PROMOTING PEANUT GROWTH 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 Yuqing;LV Kunyu;LV Yuying;WU Xinxin;ZHU Tao~

2025/08278 ~ Complete ~54:CONCEALMENT AND DETACHABLE MULTI-PURPOSE BACK WARNING STICKER ~71:MA, Junfang, Jinyujiayuan Community, Junying Intersection, Shenghui North Road, People's Republic of China ~72: MA, Junfang~

2025/08281 ~ Complete ~54:METHOD FOR CO-PRODUCING NANO CALCIUM SULFATE WHISKERS FROM DUAL WASTE MATERIALS ~71:NORTHEASTERN UNIVERSITY, No. 11, Lane 3, Wenhua Road, Heping District, Shenyang City, People's Republic of China ~72: CHEN, Yajing;TONG, Linlin;YANG, Hongying;ZOU, Mingjun~

2025/08307 ~ Complete ~54:ENERGY STORAGE DEVICE AND CIRCUIT BREAKING CONTROL METHOD THEREOF ~71:ALPHA ESS CO., LTD., Bi Hua Road 1086, Tongzhou Industrial Development Zone Nantong, Jiangsu, 226300, People's Republic of China ~72: HAIYAN ZHANG;JINTAO MA;LIYAN SUN;XIULI SI;ZHENHUA SUN~ 33:CN ~31:202310642697.1 ~32:01/06/2023

2025/08298 ~ Complete ~54:METHOD AND DEVICE FOR PROVIDING EFFECTIVE CONTRACEPTION ~71:Chemo Research, S.L., C/ Manuel Pombo Angulo 28, 4th Floor, MADRID 28050, SPAIN, Spain ~72: COLLI, Enrico;DÍEZ FUERTES, Carlos~ 33:EP ~31:23382272.5 ~32:23/03/2023

2025/08309 ~ Provisional ~54:TAXI YA E-HAILING LE DELIVERY ~71:LEBOGANG MASHILO, 7026 ZONE-6 SETILOANE STREET, South Africa ~72: LEBOGANG MASHILO~

2025/08262 ~ Complete ~54:NUCLEIC ACID APTAMER BIOSENSOR AND USE IN DETECTING ENVIRONMENTAL POLLUTANTS ~71:HAINAN NORMAL UNIVERSITY, No.99 Longkun South Road, Haikou City, Hainan Province, 571158, People's Republic of China ~72: LIN Faman;LIU Donglin;SUN Tingting~

2025/08270 ~ Complete ~54:A HOSPITAL BED WITH EMESIS RECEPTACLE ~71:THE FIRST AFFILIATED HOSPITAL OF ZHENGZHOU UNIVERSITY, No.1 Longhu Middle Ring Road, Jinshui District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Du Yanhua~

2025/08280 ~ Complete ~54:FLUIDIZED BED DRYING DEVICE ~71:HENAN DEFENG NEW MATERIALS CO., LTD., No. 288, Ren'ai Road, Weizhuang Township, Huojia County, Xinxiang City, People's Republic of China ~72: CHEN, Jun;LI, Qinggang;LI, Zheng;SHAO, Dan;TANG, Zongxian;WANG, Feng;ZHANG, Tengfei~

2025/08286 ~ Complete ~54:USE OF ANTI-CEACAM5 IMMUNOCONJUGATES FOR TREATING NEUROENDOCRINE CANCERS EXPRESSING CEACAM5 ~71:SANOFI, 46 avenue de la Grande Armée, France ~72: BAUCHET, Anne-Laure;CHADJAA, Mustapha;LEFEBVRE, Anne-Marie;MASHAL, Robert;SCOAZEC, Jean-Yves~ 33:EP ~31:23305267.9 ~32:01/03/2023

2025/08287 ~ Complete ~54:CAN LID ~71:TOP CAP HOLDING GMBH, Untere Sparchen 50, Austria ~72: PIECH, Gregor Anton~ 33:DE ~31:10 2023 107 869.0 ~32:28/03/2023

2025/08294 ~ Complete ~54:COMBINATION OF METFORMIN AND GLIBENCLAMIDE IN THE TREATMENT OF PARKINSON'S DISEASE ~71:CXS Therapeutics, 16 bis rue de la République, FONDETTES 37230, FRANCE, France ~72: BRACHET, Guillaume~ 33:EP ~31:23160619.5 ~32:07/03/2023;33:EP ~31:23315435.0 ~32:21/11/2023

2025/08297 ~ Complete ~54:ALIGNMENT BRACKET ~71:Array Tech, Inc., 3901 Midway Place NE, ALBUQUERQUE 87109, NM, USA, United States of America ~72: KRAUTBAUER, Kevin;SCHUKNECHT, Nathan~ 33:US ~31:63/495,433 ~32:11/04/2023

2025/08303 ~ Complete ~54:ISOTHERMAL HEAT DISSIPATION APPARATUS, MANUFACTURING AND DESIGN METHODS THEREOF, STORAGE MEDIUM AND ELECTRONIC DEVICE ~71:CRRC ZHUZHOU

ELECTRIC LOCOMOTIVE RESEARCH INSTITUTE CO., LTD., No. 169 Shidai Road, Shifeng District, People's Republic of China ~72: CHEN, Yinbin;DING, Yun;FAN, Wei;FU, Hangjie;LIAO, Jun;SONG, Guomeng;WANG, Bo;WANG, Jiayi;WANG, Xiong;WU, Zhiyong~ 33:CN ~31:202410663196.6 ~32:27/05/2024

2025/08253 ~ Provisional ~54:BEING THERE - INTERACTIVE LIFE AND LEGACY PANNING SYSTEM WITH BEING THERE EMERGENCY ACCESS MODULE ~71:Lynn Garcia, 10 Bergkelder Place, South Africa ~72: Lynn Garcia~

. - APPLIED ON 2025/09/30 -

2025/08359 ~ Provisional ~54:OUTDOOR EVENTS SAFETY & SECURITY REINFORCEMENT TECHNIQUE IN THE FIGHT WITH CRIME ~71:ODUETSE MOGOROSI, LITTLE MANHATTAN, South Africa ~72: ODUETSE MOGOROSI ~

2025/08332 ~ Complete ~54:AUTOMATED SYSTEM FOR DIGITAL FORENSIC IMAGE ANALYSIS USING ELA, CLONE DETECTION, AND METADATA INSPECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: FUTANE, Pravin;GAIKWAD, Rushikesh Sanjay;KARPE, Vishwajeet Vijay;KODMELWAR, Manohar;MULIK, Saurabh Vasantrao;PATHAK, Kishor;PATIL, Srushti Vinod;WANJALE, Kirti~

2025/08341 ~ Complete ~54:SINGLE-UNIT DOUBLE-TRACK BLIND SYSTEM WITH FLY NET AND BLIND ~71:BLIND SCREEN LTD, CARTER HOUSE G2 WYVERN COURT, STANIER WAY, United Kingdom ~72: REYNOLDS, Lenny~ 33:GB ~31:2303598.3 ~32:11/03/2023

2025/08346 ~ Complete ~54:INSECTICIDAL COMPOSITION AND PROCESS FOR PREPARATION THEREOF ~71:UPL EUROPE SUPPLY CHAIN GMBH, Suurstoffi 37, Switzerland;UPL MAURITIUS LIMITED, 6th Floor, Suite 157B, Harbor Front Building, President John Kennedy Street, Mauritius ~72: FLOOD, Charles;VENTURA, Pedro~ 33:GB ~31:2303005.9 ~32:01/03/2023

2025/08350 ~ Complete ~54:OPTIMIZED PROCESSING FOR REDUCING CHANNELS OF A STEREOPHONIC AUDIO SIGNAL ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: GUERIN, Alexandre;LEFORT, Arnaud;RAGOT, Stéphane~ 33:FR ~31:FR2303719 ~32:13/04/2023;33:FR ~31:FR2304288 ~32:27/04/2023;33:FR ~31:FR2305109 ~32:23/05/2023

2025/08357 ~ Complete ~54:WITHANIA SOMNIFERA COMPOSITION FOR IMPROVING MEMORY AND COGNITION ~71:ARJUNA NATURAL PRIVATE LIMITED, P.B. No.126, Bank Road, India ~72: ANTONY, Benny~ 33:IN ~31:202341016031 ~32:10/03/2023

2025/08325 ~ Complete ~54:A SYSTEM AND METHOD FOR MONITORING FALLS IN ELDERLYINDIVIDUALS AT HOME BASED ON FEATURE FUSION ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 318 Liuhe Road, Xihu District, Hangzhou City, People's Republic of China ~72: Jiahui XING;Ping WU;Yaguang XING~

2025/08352 ~ Complete ~54:A ROCK BOLT ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia ~72: RATAJ, Mietek;WEAVER, Steven~ 33:EP ~31:23174806.2 ~32:23/05/2023

2025/08315 ~ Provisional ~54:SEMI-SUBMERSIBLE POWER GENERATING AND/OR STORAGE VESSEL, SYSTEM AND METHOD ~71:JOUBERT TRUST, Trust number: IT000900/2018(C), Nr 4 High Riding Estate, Sir Lowry's Pass, Western Cape, 7130, South Africa;WHEELER FAMILY TRUST, 119 Miller Street, Gordon’s Bay, 7140, South Africa ~72: ALEXANDER JEFFERSON WHEELER;CHRISTIAAN JOHANNES JOUBERT~

2025/08319 ~ Complete ~54:MEDIC-FOOD DUAL-PURPOSE PHARMACEUTICAL COMPOSITION AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHENG Meidie;DANG Can;WANG Peijiao;WANG Wenrui;ZHANG Sijin;ZHENG Mengmeng;ZHI Shuangcheng~

2025/08321 ~ Complete ~54:DEVICE FOR CLEANING MUD-LIKE DEBRIS FROM BOREHOLE WALLS IN WATER-RICH WEAKLY CEMENTED STRATA AND USAGE METHOD THEREOF ~71:Anhui University of Science and Technology, 168 Taifeng Street, Huainan City, Anhui Province, 232001, People's Republic of China;Shaanxi Yihua Mining Development Co., Ltd., Wangjiawa Village, Hongdunjie Town, Jingbian County, Yulin City, Shaanxi Province, 718500, People's Republic of China ~72: CAO Hu;GAO Hulin;JIA Wenming;LYU Nao;SHI Shaobo;WANG Haibo;WANG Mengxiang;YANG Xinglin;YU Dagui;ZHANG Wentao;ZHAO Jinghu;ZONG Qi~

2025/08323 ~ Complete ~54:CEMENT-BASED PERMEABLE CRYSTALLINE WATERPROOFING AGENT AND WATERPROOF MATERIAL ~71:SOUTHWEST JIAOTONG UNIVERSITY, No.111, North Section 1, Second Ring Road, Chengdu, People's Republic of China ~72: LI, Fuhai;LI, Haonian;LI, Jin;LIANG, Xiaotian;ZHANG, Yuxuan~ 33:CN ~31:202511375074.8 ~32:25/09/2025

2025/08326 ~ Complete ~54:A GARLIC CRUSHING DEVICE FOR ALLICIN DETECTION WITH PIERCING AND ANTI-BLOCKING FUNCTIONS ~71:JI'AN COLLEGE, No. 133, Ji'an South Avenue, Jizhou District, Ji'an City, People's Republic of China ~72: Jihong LU;Qianqian LI;Xixiang XIAO;Yihong HE~

2025/08328 ~ Complete ~54:METHOD FOR REPAIRING LOCAL DAMAGED PART OF PIPELINE BY UTILIZING RESIN CURING ~71:CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO., LTD., No. 32, Zhonghuan West Road, Free Trade Zone (Airport Economic Zone), Binhai New Area, Tianjin, 300308, People's Republic of China;THE 5TH ENGINEERING CO., LTD. OF CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP, No. 1000, Middle Section of Shulong Avenue, Xindu Sub-district, Xindu District, Chengdu, Sichuan, 610500, People's Republic of China ~72: Chunsheng SU;Guangzu FU;Hongchao SHI;Hui FU;Jianqiang GUO;Jinhong HAN;Libiao CAO;Pan ZHAO;Shimei HE;Tianchang MA;Yushan LIU~ 33:CN ~31:202411410547.9 ~32:10/10/2024

2025/08351 ~ Complete ~54:OPTIMIZED PROCESSING FOR REDUCING CHANNELS OF A STEREOPHONIC AUDIO SIGNAL ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: GUERIN, Alexandre;LEFORT, Arnaud;RAGOT, Stéphane~ 33:FR ~31:FR2303719 ~32:13/04/2023;33:FR ~31:FR2304288 ~32:27/04/2023;33:FR ~31:FR2305109 ~32:23/05/2023

2025/08360 ~ Provisional ~54:MEDICAL DEVICE WITH ACCESSORIES FOR AUTOMATED IV-CATHETER INSERTION ~71:SA-AYDIEN ALLY, 162 FIFTH AVENUE, DISCOVERY EXT 9, GAUTENG, South Africa ~72: SA-AYDIEN ALLY~

2025/08338 ~ Complete ~54:COMPOUNDS AND THEIR USES AS GPR183 INHIBITORS ~71:NANJING IMMUNOPHAGE BIOMEDICAL CO., LTD., No.9 Building, Building 16 of SHUWU, No. 73 Tanmi Road, Jiangbei New District, People's Republic of China ~72: FAN, Guohuang;LI, Yue;WANG, Jianfei~ 33:CN ~31:PCT/CN2023/086252 ~32:04/04/2023

2025/08314 ~ Provisional ~54:ROSE" – A FULLY AUTONOMOUS, ULTRA-REALISTIC MULTI-PERSONA VIRTUAL EDUCATOR SYSTEM IMPLEMENTED AS A TECHNICAL EDUCATIONAL PLATFORM ~71:Razaan Ogle, 69A Rotherfield Road, South Africa ~72: Razaan Ogle~

2025/08361 ~ Provisional ~54:BIED GLOBE SOCKET ~71:Jurgens Broekhuizen, 39 PTN Kwaggasvlakte 317KQ, South Africa;Lourens Johannes Grobler, PTN19 Highlands 240JU CLAREMONT, South Africa ~72: Jurgens Broekhuizen;Lourens Johannes Grobler~

2025/08322 ~ Complete ~54:AN INTELLIGENT SCREENING METHOD AND SYSTEM FOR OUTCOME DATA BASED ON MULTI-CHANNEL NEURAL NETWORKS ~71:Kunming New Quality Productivity Promotion Center, 3rd Floor, Municipal Science and Technology Building, No. 371, Qingnian Road, Wuhua District, Kunming City, Yunnan Province, 650021, People's Republic of China ~72: Chuncui Zhang;Xuanwen Zeng;Ye Qin;Zhixiu Wang~ 33:CN ~31:202411866021.1 ~32:18/12/2024

2025/08331 ~ Complete ~54:DISTRIBUTED PHOTOVOLTAIC POWER GENERATION SNOW ACCUMULATION CLEANING DEVICE ~71:Huaneng Longdong Energy Co., Ltd., No. 11, Shiyou East Road, Xifeng District, Qingyang City, Gansu Province, People's Republic of China ~72: BAO, Ning;CAO, Liang;FAN, Wentao;GAO, Hongguang;HE, Xinyu;LEI, Qiang;LI, Youdi;LIU, Qiangbo;MENG, Huiliang;REN, Jianqiang;SHI, Guolei;WANG, Dapeng;WANG, Hang;WANG, Jin;WANG, Xiaoqi;YAN, Caiguo;YANG, Fei;ZHAN, Minghao;ZHU, Tongsi~ 33:CN ~31:2025108560851 ~32:25/06/2025

2025/08337 ~ Complete ~54:COMPOSITIONS FOR USE IN TREATMENT OF CHLAMYDIA ~71:SANOFI PASTEUR, 14 Espace Henry Vallee, 69007 Lyon, France ~72: ARNAUD BARBE, Nadege;COLE, Leah;KARLSSON, Andreas;SANCHEZ, Violette;TIBBITTS, Timothy~ 33:US ~31:63/449,571 ~32:02/03/2023;33:EP ~31:23305375.0 ~32:20/03/2023;33:US ~31:63/500,393 ~32:05/05/2023;33:EP ~31:23306372.6 ~32:11/08/2023

2025/08342 ~ Complete ~54:CHIMERIC INSECTICIDAL PROTEIN AND USE THEREOF ~71:BEIJING DABEINONG BIOTECHNOLOGY CO., LTD., 1st Floor, No.2 Building, Yard 19, Chengwan Street, People's Republic of China ~72: JIA, Xiaowei;PANG, Jie;WANG, Qinyang;XIE, Xiangting;ZHANG, Liangwei~

2025/08356 ~ Complete ~54:SMALL-VOLUME IMPEDANCE METHOD-BASED BLOOD CELL DETECTION KIT, AND BEDSIDE DIAGNOSTIC BLOOD CELL ANALYZER ~71:SHENZHEN DYMIND BIOTECHNOLOGY CO., LTD., 10th Floor, Building B, High-tech Park, Guangqiao Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, Guangdong, 518107, People's Republic of China ~72: LI, Chunhui;QIN, Junfang;SHU, Na;TAN, Yuhua;ZHONG, Shiyong~ 33:CN ~31:202310955046.8 ~32:31/07/2023

2025/08317 ~ Provisional ~54:SYSTEMS, METHODS, AND DEVICES FOR LIVE-STREAM E-COMMERCE PLATFORMS ~71:LEME Market (Pty) Ltd., 4 Club Crescent, Southdowns Estate, CENTURION 0157, Gauteng Province, SOUTH AFRICA, South Africa ~72: VAN JAARSVELD, Babette Louise~

2025/08316 ~ Provisional ~54:PEER-TO-PEER (P2P) COMMUNICATION BETWEEN MOBILE DEVICES ~71:CELCOM GROUP (PROPRIETARY) LIMITED, Unit E, Alphen Square West Corner 15th and George Street Randjiespark, Ext 66, Midrand, South Africa ~72: ARY EDWARD VAN DER PIJL;LOUIS JOUBERT VENTER;STEFANO BRACHINI~

2025/08320 ~ Complete ~54:DEVICE FOR SHALLOW SURFACE GEOCHEMICAL DETECTION OF DEEP GEOTHERMAL HEAT ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: DONG Wenchao;GAO Yihui;GUO Yueshan;LIU Kai;SHI Mingming;YAO Tian~

2025/08327 ~ Complete ~54:SIGNALING GENERAL CONSTRAINTS INFORMATION FOR VIDEO CODING ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No.18 Haibin Road Wusha Chang'an, Dongguan, Guangdong, 523860, People's Republic of China ~72: HAOPING YU;JONATHAN GAN;YUE YU~ 33:US ~31:63/266,615 ~32:10/01/2022;33:US ~31:63/266,616 ~32:10/01/2022;33:US ~31:63/266,765 ~32:13/01/2022

2025/08329 ~ Complete ~54:A SYSTEM FOR CROP RECOMMENDATION AND REAL-TIME ENVIRONMENTAL SENSING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD,

UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BARHATE, Minal Yadavrao;CHIKHALE, Mayur R;IMAM, MD Ahsan;MAHALLE, Parikshit N.;MANGADE, Anushka;MARATHE, Harshal;MARATHE, Vedanshu;MATE, Sarthak S;Rathod, Vijay U.~

2025/08334 ~ Complete ~54:A MULTI-AGENT AI-POWERED SYSTEM FOR INTELLIGENT CLOUD LOG ANALYSIS AND THREAT DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BATRA, Amisha Aman;CHAVAN, G. T.;KANKAMWAR, SANJAY;KODMELWAR, Manohar;PATIL, Bhavesh;Sukte, C. D.;TELURE, Harsh;WANKHADE, Shalini~

2025/08339 ~ Complete ~54:PATH RECONSTRUCTION METHOD AND SYSTEM FOR URBAN RAIL TRANSIT PASSENGERS IN INTERVAL INTERRUPTION SCENARIOS ~71:BEIJING JIAOTONG UNIVERSITY, Beijing Jiaotong University, No.3, Shangyuan Village, Haidian District, People's Republic of China ~72: CHEN, Peisheng;JIANG, Man;JIANG, Xi;LI, Haiying;LIU, Jing;XU, Xinyue~ 33:CN ~31:202510525784.8 ~32:25/04/2025

2025/08344 ~ Complete ~54:OPERATING A FLEET OF DRONES TO SUPPORT A WIRELESS CELLULAR NETWORK ~71:VODAFONE GROUP SERVICES LIMITED, Vodafone House, The Connection, United Kingdom ~72: GABER, Aymen~ 33:GB ~31:2303688.2 ~32:14/03/2023

2025/08358 ~ Complete ~54:AIR SCOUR INTEGRATED DIFFUSER FOR REGENERATIVE MEDIA FILTER SYSTEM ~71:NEAL HERSHEY, 1643 River Bend Road, Superior, Minnesota, 59872, United States of America;NEPTUNE BENSON, INC., 334 Knight Street, Suite 3100, Warwick, Rhode Island, 02886, United States of America ~72: HERSHEY, NEAL~ 33:US ~31:63/460,694 ~32:20/04/2023

2025/08340 ~ Complete ~54:ORAL PRODUCT FOR DELIVERY OF NICOTINE COMPRISING A NICOTINE SALT OF A FATTY ACID ~71:CONTRAF-NICOTEX-TOBACCO GMBH, Herbststr. 8, Germany ~72: BELZ, Markus;ELLERICHMANN, Thomas;KÖNIG, Thorsten;PARSONS, Rory~ 33:EP ~31:23217086.0 ~32:15/12/2023

2025/08345 ~ Complete ~54:ANTI-PHOSPHOCHOLINE ANTIBODIES AND METHODS OF USE THEREOF ~71:OXITOPE PHARMA B.V., Gooimeer 2-35, Netherlands ~72: BURCKERT, Jean-philippe;VOUSDEN, Katherine~ 33:US ~31:63/452,798 ~32:17/03/2023

2025/08353 ~ Complete ~54:METHODS AND COMPOSITIONS FOR GLYPHOSATE TOLERANCE IN PLANTS ~71:Board of Regents, The University of Texas System, 210 W. 7th Street, AUSTIN 78701, TX, USA, United States of America;Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: ALPER, Hal;GUO, Shirley X.;IVASHUTA, Sergey;LARUE, Clayton T.;REED, Kevin B.~ 33:US ~31:63/511,073 ~32:29/06/2023

2025/08354 ~ Complete ~54:HERBICIDAL DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GOMM, Andrew;KRISTOFFERSEN, Abbie Louise;MASTANDREA, Marco Michele;MORRIS, James Alan;WHALLEY, Louisa~ 33:EP ~31:23170466.9 ~32:27/04/2023

2025/08347 ~ Complete ~54:SYSTEM, DEVICE, AND METHOD FOR BALANCING USER ~71:GENROBOTIC INNOVATIONS PRIVATE LIMITED, L/50, Building No: 980, Kanjiramchira P.O,, Alappuzha District, Kerala, 688007, India ~72: K, Sujodh;MK, Vimal Govind;NP, Nikhil;P, Jaleesh~ 33:IN ~31:202341014530 ~32:03/03/2023

2025/08312 ~ Provisional ~54:GREEN ARTIFICIAL INTELLIGENCE (GREEN AI) ~71:Noah Makholwa, 3 Mahogany Street, South Africa ~72: Noah Makholwa~

2025/08324 ~ Complete ~54:POLYPEPTIDES AND USES THEREOF ~71:MedImmune Limited, 1 Francis Crick Avenue, Cambridge Biomedical Campus, CAMBRIDGE CB2 0AA, UNITED KINGDOM, United Kingdom ~72: BEDNAREK, Maria Aleksandra;GENAPATHY, Sivaneswary~ 33:US ~31:63/125,996 ~32:16/12/2020

2025/08333 ~ Complete ~54:A REAL-TIME SYSTEM FOR KEYLOGGING DETECTION AND SIMULATION UTILITY USING PYTHON ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVHAN, Nirdosh Devanand;JAIN, Mitesh Anil;KODMELWAR,Manohar;LACCA, Sudhanshu Vikas;MAGAR, Hanmant;NIKAM, Piyush Umesh;SHELKE, Ganesh;SURYAWANSHI, Amol~

2025/08335 ~ Complete ~54:A HYBRID EMAIL SPAM DETECTION SYSTEM USING NAIVE BAYES CLASSIFIER AND SEMANTIC ANALYSIS API ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANDARI, Mahesh;BHOITE, Sonali;Chavan, G. T.;DABHADE, Vivek Bhausaheb;DESHMUKH, Arpit Hiralal;KODMELWAR, Manohar Kishanrao;PAWAR, Aditya Bhagwanrao;SUKTE, C. D.;WANKHADE, Shalini~

2025/08349 ~ Complete ~54:OPTIMIZED PROCESSING FOR REDUCING CHANNELS OF A STEREOPHONIC AUDIO SIGNAL ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: GUERIN, Alexandre;LEFORT, Arnaud;RAGOT, Stéphane~ 33:FR ~31:FR2303719 ~32:13/04/2023;33:FR ~31:FR2304288 ~32:27/04/2023;33:FR ~31:FR2305109 ~32:23/05/2023

2025/08355 ~ Complete ~54:DUAL SILENCING ~71:Argonaute RNA Limited, 15 Frederick Place, BRISTOL BS8 1AS, UNITED KINGDOM, United Kingdom ~72: KHAN, Michael;KHAN, Stella;MATLOCK, Johnathan;MITCHELL, Daniel~ 33:GB ~31:2306589.9 ~32:04/05/2023;33:GB ~31:2404488.5 ~32:28/03/2024

2025/08389 ~ Provisional ~54:FUEL VOUCHERS ~71:EZEKIEL MTHOMBENI, 41A DARLINGTON ROAD, South Africa ~72: EZEKIEL MTHOMBENI~ 33:OA ~31:EL30092025 ~32:29/09/2025

2025/08330 ~ Complete ~54:A MULTI-TOOL WEB VULNERABILITY SCANNER ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHIMANPALLEWAR, R. N.;DEDGAONKAR, Suruchi;KODMLEWAR, Manohar;MOOLYA, Jiya;PATHAVE, Kushal;PATIL, Heramb;SHEWALE, Chaitali;UNDRE, Ishan~

2025/08336 ~ Complete ~54:ZERO-BASE TREAD, TIRE, AND RETREADING METHOD FOR A TIRE WITH ZERO-BASE TREAD ~71:INGENIOUS ENGENHARIA LTDA, Av. Marechal Floriano Peixoto No. 2610, 80.220-001, Curitiba, Brazil ~72: DRECH, Eldon~ 33:BR ~31:1020230129226 ~32:27/06/2023

2025/08343 ~ Complete ~54:ANTI-LAG3 ANTIBODY, PHARMACEUTICAL COMPOSITION, AND USE ~71:AKESO BIOPHARMA CO., LTD., 6 Shennong Road, Torch Development Zone, People's Republic of China ~72: LI, Baiyong;XIA, Yu~ 33:CN ~31:202310327266.6 ~32:29/03/2023

2025/08348 ~ Complete ~54:OXYGEN-ENRICHED CARBON QUANTUM DOT COMPOSITE BISMUTH OXYBROMIDE NANOSHEET MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Qiongshan District, Haikou City, Hainan Province, 571158, People's Republic of China ~72: HUA Yingjie;LIU Jinyuan;TANG Qi;WANG Bin;WANG Chongtai~ 33:CN ~31:202411029335.6 ~32:30/07/2024

2025/08313 ~ Provisional ~54:A MESSAGING SYSTEM ~71:NEL, Cherese, Danellen, STEYN CITY ESTATES, 5 CENTRAL LANE, RIVERGLEN, MIDRAND, GAUTENG, 2191, SOUTH AFRICA, South Africa ~72: NEL, Cherese, Danellen~

. - APPLIED ON 2025/10/01 -

2025/08362 ~ Provisional ~54:BLOOMSLEEVE ~71:Andrea Cleworth, 118 Ranger Road, South Africa ~72: andrea cleworth~

2025/08367 ~ Provisional ~54:MULTI-FUNCTIONAL FIRE MANIPULATION TOOL ~71:JOHAN VAN ZYL IMMINK, PO BOX 1141,, South Africa ~72: JOHAN VAN ZYL IMMINK~

2025/08375 ~ Complete ~54:METHOD FOR RECYCLING POLYOLEFIN CONTAINERS ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Michael HEYDE~ 33:CH ~31:CH000328/2023 ~32:24/03/2023

2025/08377 ~ Complete ~54:COMMUNICATION APPARATUSES AND COMMUNICATION METHODS FOR A MULTI-PHYSICAL RANDOM ACCESS CHANNEL TRANSMISSION ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH STREET SUITE 450, TORRANCE, CA 90504, USA, United States of America ~72: KANG, Yang;OGAWA, Yoshihiko;SUZUKI, Hidetoshi;TRAN, Xuan Tuong~ 33:SG ~31:10202300967R ~32:06/04/2023;33:SG ~31:10202301066X ~32:17/04/2023

2025/08385 ~ Complete ~54:DEVICE FOR FORMING A SLIDING BEARING OR A SLIP-RING SEAL HAVING INTEGRATED TEMPERATURE MEASUREMENT ~71:KSB SE & Co. KGaA, Johann-Klein-Straße 9, FRANKENTHAL 67227, GERMANY, Germany ~72: EBELT, Gerd;JANJIC, Dr. Boris;KLUNKE, Tobias;KOLANO, Michael~ 33:DE ~31:10 2023 109 020.8 ~32:11/04/2023

2025/08365 ~ Provisional ~54:PRO LOCK NET ~71:NYUMANI MOBRIDE MALULEKE, STAND NO 289 MVELAPHANDA, VUWANI, 0985, South Africa ~72: NYUMANI MOBRIDE MALULEKE~

2025/08378 ~ Complete ~54:METHOD AND APPARATUS FOR RECOVERING ENERGY AND/OR SAVING ENERGY WHEN BREWING A BREWING LIQUID ~71:GEA BREWERY SYSTEMS GMBH, HEINRICH-HUPPMANN-STR. 1, D-97318 KITZINGEN, GERMANY, Germany ~72: HELLER, Daniel~ 33:DE ~31:10 2023 105 424.4 ~32:06/03/2023

2025/08370 ~ Complete ~54:SECURE FILE ENCRYPTION AND SHARING SYSTEM USING SHA AND FERNET LIBRARY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANDARI, Mahesh;BHOITE, Sonali;BORSE, Khusha Vishvas;BUDAKE, Soham Suhas;KODMELWAR, Manohar;SUKTE, C. D.;TITAME, Kaivallya Rajesh;WANKHADE, Shalini~

2025/08388 ~ Complete ~54:CORONAVIRUS AND INFLUENZA COMPOSITIONS AND METHODS FOR USING THEM ~71:NOVAVAX, INC., 700 Quince Orchard Road, United States of America ~72: PATEL, Nita;SHINDE, Vivek;SMITH, Gale~ 33:US ~31:63/493,884 ~32:03/04/2023;33:US ~31:63/508,798 ~32:16/06/2023

2025/08366 ~ Provisional ~54:GUGUEYE ~71:Gugulethu mthembu, 601 mahalefele, South Africa;Gugulethu mthembu, 601 mahalefele, South Africa;Gugulethu mthembu, 601 mahalefele, South Africa ~72: Gugulethu mthembu~

2025/08372 ~ Complete ~54:BIOMASS-BASED SOLID FUEL COMPOSITIONS ~71:VONNIE PROJECTS (PTY) LTD., Erf 55D Bloempoort, Along R25 Road, Groblersdal, 0470, South Africa ~72: VONNIE BALOYI~ 33:ZA ~31:2024/05208 ~32:04/07/2024

2025/08374 ~ Complete ~54:USE OF ANTI-IL-36R ANTIBODIES FOR THE TREATMENT OF HIDRADENTITIS SUPPURATIVA (HS) ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: FARAG, Ahmed Karim;IVANOFF, Nathalie;KURUP, Sree;LI, Xiujiang;MUKHOPADHYAY, Sutirtha;RANGANATHAN, Usha~ 33:US ~31:63/489,246 ~32:09/03/2023;33:US ~31:63/621,291 ~32:16/01/2024

2025/08407 ~ Provisional ~54:SANIT TRAY ~71:Tshegofatso Rosina Kolobe, 1419 Pelotona Street, Protea North, Soweto, South Africa ~72: Tshegofatso Rosina Kolobe~

2025/08382 ~ Complete ~54:CLOSURE CAP MADE OF PLASTIC ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Christof NEZTER;Denis SCHEIBENSTOCK;Kaspar FELIX;Pascal BEHR;Sabrina ADAMI-SCHADLER;Valentin REZSNYAK~ 33:CH ~31:CH000343/2023 ~32:28/03/2023

2025/08387 ~ Complete ~54:PHOTOCHEMICAL SYSTEMS AND METHODS FOR PREPARING CYANOBENZAMIDES ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America;FMC IP TECHNOLOGY GMBH, Industrieplatz 1C, Neuhausen 8212, Switzerland ~72: HAO WANG;JIANHUA MAO;YIHUI XU~ 33:US ~31:63/449,694 ~32:03/03/2023

2025/08363 ~ Provisional ~54:AWTHER ~71:Tshepane Raymond Molamu, 105 Voyi Street, South Africa ~72: Tshepane Raymond Molamu~ 33:ZA ~31:n/a ~32:30/09/2025

2025/08364 ~ Provisional ~54:MULTI-LAYER VEHICLE TRACKING AND RECOVERY SYSTEM WITH JAMMER DETECTION AND PRIVACY-PRESERVING CROWD-SOURCED FALLBACK ~71:Thato Dibulelo, 3695 Pula Street, Munsieville Ext 4, South Africa ~72: Thato Dibulelo~

2025/08381 ~ Complete ~54:COMPOUNDS OF DRUGS WITH AN ALBUMIN BINDING MOIETY ~71:ASCENDIS PHARMA A/S, TUBORG BOULEVARD 12, 2900 HELLERUP, DENMARK, Denmark ~72: BISEK, Nicola;REISACHER, Ulrike;SPROGØE, Kennett;STUBBA, Daniel;WEISBROD, Samuel~ 33:EP ~31:23160258.2 ~32:06/03/2023;33:EP ~31:23195412.4 ~32:05/09/2023;33:EP ~31:23203735.8 ~32:16/10/2023

2025/08386 ~ Complete ~54:COMPOSITIONS TARGETING EPIDERMAL GROWTH FACTOR RECEPTOR AND METHODS FOR MAKING AND USING THE SAME ~71:Amunix Pharmaceuticals, Inc., 2 Tower Pl #1100, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DUBROVSKAYA, Viktoriya;FRENZEL, André;JOHANSEN, Eric;KHORSAND, Sina;KUHN, Philipp;LIU, Lucas;SCHELLENBERGER, Volker;TO, Milton;YOUNG, Tracy~ 33:US ~31:63/459,828 ~32:17/04/2023;33:US ~31:63/463,273 ~32:01/05/2023

2025/08376 ~ Complete ~54:METHOD AND DEVICES FOR DETERMINING QUASI CO-LOCATION (QCL) PROPERTIES IN TRIGGERED CROSS-TRP RANDOM ACCESS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HAKOLA, Sami-Jukka;KARJALAINEN, Juha, Pekka;KOSKELA, Timo~ 33:US ~31:63/488,857 ~32:07/03/2023

2025/08379 ~ Complete ~54:SOLID DOSAGE FORMS OF ELAFIBRANOR ~71:GENFIT, 885 AVENUE EUGÈNE AVINÉE, 59120 LOOS, FRANCE, France ~72: JOISSAINS, Marie-Jeanne;ROUDOT, Alice~ 33:EP ~31:23305292.7 ~32:06/03/2023

2025/08383 ~ Complete ~54:BONE CONDITIONING IMPLANT ~71:HUWAIS IP HOLDING LLC, 4645 EAGLE DRIVE, JACKSON, MI 49201, USA, United States of America ~72: HUWAIS, Salah~ 33:US ~31:63/489,233 ~32:09/03/2023;33:US ~31:63/498,444 ~32:26/04/2023

2025/08368 ~ Complete ~54:A SYSTEM FOR FILE ENCRYPTION AND DECRYPTION USING SYMMETRIC CRYPTOGRAPHY AND TKINTER GUI ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANDARI, Mahesh;KODMELWAR, Manohar K.;MISAL, Vijay Ajinath;PATHAK, Kishor;PHAD, Mayuri Satish;SHAHAPURKAR, Onkar;SUKTE, C. D.;WANKHADE, Shalini~

2025/08369 ~ Complete ~54:AN INTELLIGENT INTRUSION DETECTION SYSTEM FOR REAL-TIME DETECTION OF NETWORK BASED THREATS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGADE, J. V;DESHPANDE, Y. D.;KODMELWAR, M. K.;KURE, Siddhi Suresh;MIRAJKAR, Riddhi;PATIL, Swati;SHARMA, Praniti;SHIROLE, Ishwari Shrirm;WAWAGE, Pawan~

2025/08371 ~ Complete ~54:A BROWSER HISTORY ANALYZER FOR WINDOWS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANDARI, Mahesh;FUTANE, Pravin;KODMELWAR, Manohar;PATHAK, Kishor;PATIL, OM Laxman;SAPROO, Sumrit;SUKTE, C. D.;WANKHADE, Shalini~

2025/08373 ~ Complete ~54:MUC1 AND CD16A ANTIBODIES AND METHODS OF USE ~71:BEONE MEDICINES I GMBH, Aeschengraben 27, Switzerland ~72: CHEN, Xin;CHEN, Yun;HUANG, Chichi;JIANG, Ming;LI, Hui;LI, Zhuo;LIU, Qi;PAN, Jie;QU, Liang;REN, Qiansheng;SHAO, Ting;TANG, Xiaoyan;WANG, Wenjie;XUE, Liu~ 33:CN ~31:PCT/CN2023/079507 ~32:03/03/2023;33:CN ~31:PCT/CN2023/107724 ~32:17/07/2023

2025/08380 ~ Complete ~54:COMPOSITIONS FOR SUPPLEMENTARY CEMENTITIOUS MATERIAL AND METHODS OF MAKING ~71:ENVICORE INC., 2916 5TH AVENUE NE, CALGARY AB, T2A 6K4, CANADA, United States of America ~72: PANDEY, Aseem;SHAMIM, Shahrukh~ 33:US ~31:63/456,636 ~32:03/04/2023

2025/08384 ~ Complete ~54:METHOD FOR GIVING A RECOMMENDATION ON THE DIETARY ENERGY OF A POULTRY DIET ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: BAUER, Lukas;DE PAULA DORIGAM, Juliano, Cesar;KLÜNEMANN, Martina;LEMME, Andreas~ 33:EP ~31:23160442.2 ~32:07/03/2023

. - APPLIED ON 2025/10/02 -

2025/08394 ~ Complete ~54:HAND-HELD TWO-WAY RADIO DEVICE ~71:SEFEKO (PTY) LTD, First Floor, Building D, The Woods, 41 De Havilland Crescent, South Africa ~72: MOUTON, Pieter Kossen;VAN BILJON, Bernardus Daniel;VAN BILJON, Cornelis Hendricus;VAN LEEUWEN, Pierre-Andrė~ 33:ZA ~31:2025/00951 ~32:29/01/2025

2025/08399 ~ Complete ~54:ANTI-STEM CELL FACTOR (SCF) AND ANTI-THYMIC STROMAL LYMPHOPOIETIN (TSLP) ANTIBODIES AND BISPECIFIC CONSTRUCTS ~71:Celldex Therapeutics, Inc., 53 Frontage Road, Suite 220, HAMPTON 08827, NJ, USA, United States of America ~72: ALVARADO, Diego;GOLDSTEIN, Joel;KELER, Tibor;MURPHY, Michael;THOMAS, Lawrence J.;VITALE, Laura A.~ 33:US ~31:63/488,388 ~32:03/03/2023;33:US ~31:63/452,326 ~32:15/03/2023;33:US ~31:63/465,970 ~32:12/05/2023

2025/08402 ~ Complete ~54:ANTI-TUMOR PHARMACEUTICAL COMPOSITION COMPRISING AZVUDINE ~71:Henan Genuine Biotech Co., Ltd., Building 1, Yard 10, Fu Xing Middle Road, Xincheng District, PINGDINGSHAN 467000, HENAN, CHINA (P.R.C.), People's Republic of China ~72: JIA, Limin;LI, Pan;QIN, Zhiyong;WANG, Zhaoyang~ 33:CN ~31:202310201580.X ~32:03/03/2023

2025/08393 ~ Provisional ~54:ELECTROCHEMICAL BIOSENSOR AND METHODS FOR THE DETECTION OF PRE-ECLAMPSIA BIOMARKERS ~71:BioSensor Group Ltd, 4070W Ames Lake Dr NE, Redmond, United States of America ~72: Louis Roux;Ralph Schneideman;Zvikomborero Takunda Gwanzura~

2025/08397 ~ Complete ~54:"ISOLATED BISPECIFIC ANTIBODY THAT SPECIFICALLY BINDS TO CD3 AND TUMOR ANTIGEN, AND USE THEREOF" ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: BELIASNIKOVA, Alina Valerevna;FILINA, Valentina Yurevna;IVANOVA, Anastasiya Andreevna;KRAT, Sergei Mikhailovich;KYTMANOVA, Olga Leonidovna;LEGOTSKII, Sergei Aleksandrovich;MOROZOV, Dmitry Valentinovich~ 33:RU ~31:2023105614 ~32:10/03/2023

2025/08400 ~ Complete ~54:METHOD OF USING AN ULTRASONIC FLOW SENSOR TO MONITOR FILL WEIGHT ACCURACY OF CLINICAL, COMMERCIAL, AND PROCESS DEVELOPMENT FILL/FINISH OPERATIONS ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: BELLENFANT, Tyler;GONZALES HINOJOSA, Oscar;KRUCHOWY, Evan;MATHUR, Ian;PADMAKUMAR, Vikashni;PARDESHI, Neha N.;WHETSTONE, Sarah~ 33:US ~31:63/455,847 ~32:30/03/2023

2025/08404 ~ Complete ~54:METHODS AND COMPOSITIONS FOR THE TREATMENT OF CONDITIONS INVOLVING THE EYE ~71:Krystal Biotech, Inc., 2100 Wharton Street, #701, PITTSBURGH 15203, PA, USA, United States of America ~72: CARTWRIGHT, Haley Nicole;KRISHNAN, Suma~ 33:US ~31:63/459,102 ~32:13/04/2023;33:US ~31:63/460,948 ~32:21/04/2023;33:US ~31:63/593,085 ~32:25/10/2023

2025/08405 ~ Complete ~54:SYSTEMS AND METHODS FOR MANAGING SHARING OF A VIDEO IN A COLLABORATION SESSION ~71:LIVEARENA TECHNOLOGIES AB, Box 2901, Sweden ~72: BJÖRKMAN, Andreas;DANIELSON, Magnus~ 33:SE ~31:2350439-2 ~32:14/04/2023

2025/08406 ~ Provisional ~54:WINDSCREEN HORIZON PROJECTION SOLUTION ~71:ANTHONY LOUIS SMITH, 20 Roman Rd, Observatory, Western Cape, South Africa ~72: ANTHONY LOUIS SMITH~

2025/08391 ~ Provisional ~54:AN ENERGY MONITORING AND PREDICTION SYSTEM ~71:WETILITY GLOBAL LIMITED, 14 Pritchard Court George Roche Road, United Kingdom ~72: MOYABA, Kholofelo Michael;OGUGUO, Ikenna~

2025/08392 ~ Provisional ~54:A SYSTEM FOR, AND A METHOD OF, DELIVERING DIGITAL MENTAL HEALTH SUPPORT ~71:TherapyNow Global (Pty) Limited, 7A Bryn Road, Lakeside, South Africa ~72: BERK, Elizabeth~

2025/08396 ~ Complete ~54:"ANTIBODY-LIKE MOLECULE COMPRISING HETERODIMER OF HUMAN CD1B (CLUSTER OF DIFFERENTIATION 1) PROTEIN" ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: BARANOVSKAIA, Marianna Dmitrievna;DANILOV, Maksim Andreevich;IAKOVLEV, Pavel Andreevich;IVANOVA, Kseniia Vitalievna;LEGOTSKII, Sergei Aleksandrovich;MOROZOV, Dmitry Valentinovich;NAZARENKO, Olga Viktorovna;POLIAKOV, Dmitrii Nikolaevich~ 33:RU ~31:2023105130 ~32:06/03/2023

2025/08398 ~ Complete ~54:SYSTEMS AND METHODS FOR MANAGING SHARING OF A VIDEO IN A COLLABORATION SESSION ~71:LIVEARENA TECHNOLOGIES AB, Box 2901, Sweden ~72: BJÖRKMAN, Andreas;DANIELSON, Magnus~ 33:SE ~31:2350439-2 ~32:14/04/2023

2025/08401 ~ Complete ~54:ANTI-TUMOR PHARMACEUTICAL COMPOSITION COMPRISING AZVUDINE AND CHEMOTHERAPEUTIC AGENT ~71:Henan Genuine Biotech Co., Ltd., Building 1, Yard 10, Fu Xing Middle

Road, Xincheng District, PINGDINGSHAN 467000, HENAN, CHINA (P.R.C.), People's Republic of China ~72: JIA, Limin;LI, Pan;QIN, Zhiyong;WANG, Zhaoyang~ 33:CN ~31:202310201602.2 ~32:03/03/2023

2025/08390 ~ Provisional ~54:AMENDMENTS TO EXERCISE APPARAUS ~71:Clive Richard prowse, 25 Lucas Street, Newton Park,, South Africa ~72: Clive Richard Prowse;Clive Richard Prowse~

2025/08395 ~ Complete ~54:SYSTEM AND METHOD FOR CREATING A VIDEO REPRESENTATION OF A FILE ~71:LIVEARENA TECHNOLOGIES AB, Box 2901, Sweden ~72: BJÖRKMAN, Andreas;DANIELSON, Magnus~ 33:SE ~31:2350439-2 ~32:14/04/2023

2025/08403 ~ Complete ~54:RADIONUCLIDE GENERATOR ~71:ARTBIO, Inc., c/o Alexandria LaunchLabs, One Kendall Sq., B200, Suite 001, CAMBRIDGE 02139, MA, USA, United States of America ~72: AARVAK, Tanja;HASSFJELL, Sindre Petter;OLSEN, Gjermund Fjeld;WILSON, Peter Maurice~ 33:US ~31:63/458,296 ~32:10/04/2023

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2025/08419 ~ Complete ~54:MACHINE LEARNING BASED SMART HOME ENERGY MANAGEMENT SYSTEM USING BUDGET ALLOCATION, APPLIANCE PRIORITIZATION, IOT MONITORING, PREDICTION AND REALLOCATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BARHATE, Minal Yadavrao;JOSHI, Hrushikesh Jaiwant;MAHALLE, Parikshit N.;MEHAR, Vedant Narayan;MESHRAM, Saniya Sanjay;MHASHAKHETRI, Krish Mukund;MISHRA, Aum Santosh;MISHRA, Piyush Jwalaprasad;MORE, Krish Kiran~

2025/08420 ~ Complete ~54:SYSTEM FOR REAL-TIME MAMMOGRAM ANALYSIS OPTIMIZED FOR LOW-RESOURCE HEALTHCARE SETTING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHIMANPALLEWAR, Ratnmala;DESAI, Sharda;DIWAKAR, Mandar;GHULE, Vijaykumar;MAHAJAN, Rupali Atul;MAHALLE, Parikshit;NAWADKAR, Ashwini;RAUT, Ketan~

2025/08424 ~ Complete ~54:A MENTAL HEALTH MONITORING AND PREDICTION SYSTEM FOR WOMEN ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Varad Milind;DEDGAONKAR, Suruchi;MORE, Priyanka;SHELKE, Priya~

2025/08427 ~ Complete ~54:SOCIAL MEDIA THREAT DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANDARI, Mahesh;BHOITE, Sonali;CHAVAN, G. T.;DEOKAR, Pratik;FUTANE, Pravin;KODMELWAR, Manohar;PATHAK, Kishor;SUKTE, C. D.;WANKHADE, Shalini~

2025/08430 ~ Complete ~54:CHEMICAL- AND HEAT-ACTIVATED CURING METHODS FOR THE PRODUCTION OF MULTISPECTRAL AND HYPERSPECTRAL SMART TEXTILES ~71:FIBROTEX TECHNOLOGIES LTD., 26 Maskit Street, Herzliya, Israel ~72: IGNACIO SCHNUR~

2025/08432 ~ Complete ~54:AUDIO PROCESSOR, AUDIO PROCESSING SYSTEM, AUDIO DECODER, METHOD FOR PROVIDING A PROCESSED AUDIO SIGNAL REPRESENTATION AND COMPUTER PROGRAM USING A TIME SCALE MODIFICATION ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastraße 27c, Germany ~72: BAYER, Stefan;DÖHLA, Stefan;EDLER, Bernd;EICHENSEER, Andrea;HÄUßLER, Dominik;MULTRUS, Markus;PREBECK,

Karin;REUTELHUBER, Franz;SAGNOWSKI, Kacper;TREFFEHN, Anika~ 33:EP ~31:PCT/EP2023/059072 ~32:05/04/2023

2025/08411 ~ Provisional ~54:CAPTURING AND LINKING OFFLINE ACTIVITY DATA ELEMENTS TO A RECORD ~71:NEXON LABS (PTY) LTD, Unit C2/116, 1st floor, block 2, Northgate Business Park, Corner Section Street & Koeberg Road, Paarden Eiland, South Africa ~72: DU TOIT, Hein van Eeden;WILLIAMS, Jonathan Constant~

2025/08416 ~ Complete ~54:MODULAR MOULDED STRUCTURES ~71:DU TOIT, Werner, 64 Maynard Street, Gardens, South Africa ~72: DU TOIT, Werner~

2025/08440 ~ Complete ~54:HETEROCYCLIC-SUBSTITUTED PYRIMIDOPYRAN COMPOUND AND USE THEREOF ~71:D3 BIO (WUXI) CO., LTD., Room 324, 88 MeiLiang Road, MaShan Street, BinHu District Wuxi, Jiangsu, 214092, People's Republic of China ~72: JING ZHANG;JIUXIANG ZHU;JR. ROBERT A MOOK;PING YANG;SHUHUI CHEN;WENTAO WU;YANG ZHANG;ZHIJIAN CHEN~ 33:CN ~31:202310290481.3 ~32:23/03/2023;33:CN ~31:202311634664.9 ~32:30/11/2023;33:CN ~31:202410309827.4 ~32:18/03/2024

2025/08425 ~ Complete ~54:A COMPUTER VISION BASED SYSTEM FOR AUTOMATED TRUCK OVERLOAD VIOLATION DETECTION, MULTI-CHANNEL ALERTING, AND MONITORING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ANEKAR, Devata Raghunath;BARHATE, Minal Yadavrao;BHAVSAR, Nikhil;CHOUDHARY, Nimita Sanjeev Kumar;MAHALLE, Parikshit N.;NIBANDHE, Anushka Amit;NIKUMB, Amogh Ravindra;PATIL, Om Sanjay;SHARMA, Nidhi~

2025/08408 ~ Provisional ~54:METHOD AND SYSTEM FOR SEMANTIC ENCRYPTION OF AI DATA WHILE ALSO ENABLING DIRECT AI OPERATIONS ON SAME CRYPTOGRAPHICALLY ISOLATED DATA ~71:Gustav Retief Kruger, Plot 262, Rietfontein, South Africa ~72: Gustav Retief Kruger~ 33:ZA ~31:0000 ~32:02/10/2025

2025/08433 ~ Complete ~54:CONTEXT-DEPENDENT AUDIO RENDERING TECHNIQUES ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: ADAMI, Alexander;DISCH, Sascha;PETERS, Nils;SILZLE, Andreas~ 33:EP ~31:23166879.9 ~32:05/04/2023

2025/08435 ~ Complete ~54:GRAVITY BASED DIALYSIS SYSTEM AND DEVICE AND METHOD FOR THERAPY PRESCRIPTION OPTIMISATION ~71:VIVATUM PD AG, Chappelistrasse 11, Switzerland ~72: THORNE, David~ 33:GB ~31:2303239.4 ~32:06/03/2023

2025/08413 ~ Provisional ~54:POLYMER COMPOSITE NANOFIBER COATING FOR MEDICAL IMPLANTS ~71:CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE, 20 President Brand Street, South Africa ~72: DE SMIDT, Olga;DZOGBEWU, Thywill Cephas Komla;NHLAPO, Nthabiseng~

2025/08441 ~ Complete ~54:TRIAZINE COMPOUND AND USE THEREOF ~71:CHENGDU ZENITAR BIOMEDICAL TECHNOLOGY CO., LTD., 9F, No.3 Building, No. 16 Hemin Street, China (Sichuan) Pilot Free Trade Zone, Hi-Tech Zone Chengdu, Sichuan 610000, People's Republic of China ~72: GANG LI;LIJUAN CHEN;TAIJIN WANG;TAO JIA~ 33:CN ~31:202310291105.6 ~32:23/03/2023;33:CN ~31:202311247774.X ~32:26/09/2023;33:CN ~31:202410221655.5 ~32:28/02/2024

2025/08428 ~ Complete ~54:METHOD AND SYSTEM FOR PRODUCT VERIFICATION AND CUSTOMER REWARDS, AND NON-TRANSITORY COMPUTER-READABLE MEDIUM ~71:GEORGE STANTCHEV, 15827 N 33rd Place, United States of America ~72: STANTCHEV, George~ 33:US ~31:63/704,013 ~32:06/10/2024;33:US ~31:19/278,799 ~32:24/07/2025

2025/08429 ~ Complete ~54:SYSTEM AND METHOD FOR UNDERWATER PAYLOAD ESTIMATION IN DRAGLINE BUCKET ~71:CATERPILLAR GLOBAL MINING LLC, 875 W. Cushing Street, Tucson, United States of America ~72: ANTHIPAGULU, Saravanan Varadharaj;KABIRAJ, Koushik;KANNIAPPAN, Gopalakrishnan;NADGIR, Vijeendra;R, Jaiveena;SHANMUGASUNDARAM, Pradheep Arumugam;STOLZ, Michael Robert~ 33:US ~31:18/925,114 ~32:24/10/2024

2025/08421 ~ Complete ~54:AN AUDIO DEEP-FAKE DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: Bhimanpallewar, Ratnamala N.;CHAVAN, Sahil;CHILE, Shreyash;CHINCHOLKAR, Somesh;GARUD, Parth;PATIL, Swati B.;RATHI, Snehal~

2025/08431 ~ Complete ~54:CANNABINOID RECEPTOR 1 ANTAGONISTS/INVERSE AGONISTS AND USES THEREOF ~71:CORBUS PHARMACEUTICALS, INC., 500 River Ridge Drive, Norwood, Massachusetts, 02062, United States of America ~72: HONGFENG DENG;MARSHALL MORNINGSTAR;ZHUANG JIN~ 33:US ~31:63/328,611 ~32:07/04/2022;33:US ~31:63/439,645 ~32:18/01/2023

2025/08445 ~ Complete ~54:SYSTEM AND PROCEDURE FOR INTEGRATED ENERGY MANAGEMENT ~71:DÍAZ GONZÁLEZ, Alejandro Antonio, Rúa Camiño do Ferro nº6,6ºA, Spain ~72: DÍAZ GONZÁLEZ, Alejandro Antonio~ 33:ES ~31:P202330241 ~32:23/03/2023

2025/08426 ~ Complete ~54:AI-DRIVEN COMMUNICATION AND INTERVIEW PREPARATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVAN, Rohini;CHAVHAN, Pranali;GAIKWAD, Vidya;MESHRAM, Vidula;PATIL, Tushar Babasaheb;REGE, Pallavi;SAINDANE, Harshwardhan Virendra;SAIPATWAR, Saksham Santosh;TIWASKAR, Shweta;WATTAMWAR, Aditya Ajit~

2025/08436 ~ Complete ~54:BALANCING AND MEASUREMENT DEVICE FOR REDOX FLOW BATTERIES ~71:Halide Energy Oy, c/o Aalto Startup Ctr, Otakaari 5, ESPOO 02150, FINLAND, Finland ~72: BADENHORST, Wouter;MURTOMÄKI, Lasse~ 33:FI ~31:20237043 ~32:06/03/2023

2025/08438 ~ Complete ~54:METAL TREATMENT ADDITIVE ~71:Foseco International Limited, 165 Fleet Street, LONDON EC4A 2AE, UNITED KINGDOM, United Kingdom ~72: POWELL, Colin;STETS, Wolfram;TROSCHEL, Wolfgang~ 33:EP ~31:23167084.5 ~32:06/04/2023

2025/08409 ~ Provisional ~54:A MATERIALS SEPARATOR ~71:COREMET HOLDINGS, 70 BANGHOEK CRESCENT, N4 GATEWAY INDUSTRIAL PARK, PRETORIA, SOUTH AFRICA, South Africa ~72: JANSE VAN RENSBURG, Hendrik, Nicholaas;VENTER, Jan, Albert~

2025/08422 ~ Complete ~54:AN OFFLINE DUAL TRIGGER VEHICLE ALERT SYSTEM WITH RELAY COMMUNICATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BURONDKAR, Rayyan Nazeer;CHAVHAN, Pranali;MORE, Anushka;MORE, Priyanka;SAKHARE, Sachin~

2025/08415 ~ Provisional ~54:UNATTENDED TOKEN GENERATOR FOR WATER DISPENSING ~71:Pieter Jacobus Raubenheimer, 161 Ring Road, South Africa ~72: Pieter Jacobus Raubenheimer~

2025/08439 ~ Complete ~54:COUPLING DEVICE, VALVE SYSTEM AND METHOD FOR OPERATING A VALVE SYSTEM ~71:Akrapovič d.d., Malo Hudo 8a, IVANCNA GORICA 1295, SLOVENIA, Slovenia ~72: PENCA, Jure~ 33:EP ~31:23160296.2 ~32:06/03/2023

2025/08423 ~ Complete ~54:SMART BEEHIVE MONITORING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ANTAD, Sonali Mallinath;BHOKNAL, Sarthak Gorakshanath;BHOSALE, Karnsingh Santaj;BHUSE, Abhinandan Krishnadev;Bukkawar, Om Santosh;LADE, Sangita Gautam~

2025/08442 ~ Complete ~54:SEED TREATMENT DISPENSERS ~71:INDIGO AG, INC., 500 Rutherford Avenue, Charlestown, Massachusetts, 02129, United States of America ~72: BRUCE CALDWELL;CHRIS KOENIG;COREY NIKKEL;ERIKA BRAUN;JAMES H CINK;JANE FIFE;JON MOYER;JONATHAN GIEBEL;KEVIN CALZIA;MATT SELLS;SAMUEL RIEKERT;TAO XU;TRUDI A BAKER~ 33:US ~31:63/488,710 ~32:06/03/2023;33:US ~31:63/520,321 ~32:17/08/2023;33:US ~31:63/603,566 ~32:28/11/2023

2025/08412 ~ Provisional ~54:PRIVACY-FIRST, HUMAN-CENTRIC SECURITY INNOVATION ~71:Mmaphuti Kutullo Madiope, 958 Zone 10, Winnie Mandela Park, City of Ekurhuleni, Gauteng, 1632, South Africa ~72: Mmaphuti Kutullo Madiope~

2025/08434 ~ Complete ~54:SPRAYING DEVICE COMPRISING AQUEOUS BUDESONIDE COMPOSITION ~71:MARINOMED BIOTECH AG, Hovengasse 25, 2100, Korneuburg, Austria ~72: GÖSSL, Andreas;PRIESCHL-GRASSAUER, Eva;ROCH-NAKOWITSCH, Sabine;SLADEK, Svenja~ 33:EP ~31:23161630.1 ~32:13/03/2023

2025/08443 ~ Complete ~54:LIGAND-POLAR DRUG CONJUGATES ~71:TRIPARTITE THERAPEUTICS INC., 5F, No. 88, Ruihu Street, Taiwan (R.O.C) ~72: HUANG, Er-Yi;LIN, Young-Sun;LU, Hsueh-Yi~

2025/08444 ~ Complete ~54:PHYTOSANITARY COMPOSITION FOR THE TREATMENT OF CRYPTOGAMIC DISEASES AFFECTING PLANTS ~71:SOUFFLET VIGNE, Route Nationale 6, Le Pont Rouge, France ~72: DROMARD, Tanguy;PAUPELARD, Laurent~ 33:FR ~31:FR2304019 ~32:21/04/2023

2025/08410 ~ Provisional ~54:FLUID TRANSPORTER ~71:BESTER, Jacobus Marthinus, 111B Berg Road, Fish Hoek, South Africa ~72: BESTER, Jacobus Marthinus~

2025/08414 ~ Provisional ~54:SECURE GUARD PRO: A MOBILE PLATFORM FOR ON-DEMAND PROFESSIONAL BODYGUARD SERVICES ~71:Letlhogonolo Mokoena, 196 Unit E, South Africa ~72: Secure Guard Pro – On-Demand Security Services Platform~

2025/08417 ~ Complete ~54:A FILE METADATA EXTRACTOR ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: Bhoite, Sonali;CHAVAN, G. T.;KODMLEWAR, Manohar;PATHAK, Kishor;SHAHANE, Shreyash Dattaray;SHENDKAR, Sarvesh Mahadev;SHIMPI, Rohit Vilas;TODMAL, Abhinav Sandeep~

2025/08418 ~ Complete ~54:A REAL-TIME CONTACTLESS SYSTEM CONTROL USING HAND GESTURE RECOGNITION THROUGH COMPUTER VISION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVHAN, Pranali;GADGE, Sushant Vinayak;RATHI, Snehal;TIWASKAR, Shweta;WANKHEDE, Disha~

2025/08437 ~ Complete ~54:VAGINAL DRUG DELIVERY DEVICE ~71:Oak Crest Institute of Science, Oak Crest Institute Of Science, 132 West Chestnut Avenue, MONROVIA 91016, CA, USA, United States of America ~72: BAUM, Marc M.;GORDON, Mark;MOSS, John A.~ 33:US ~31:63/497,103 ~32:19/04/2023

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2025/08454 ~ Complete ~54:ACCOMMODATION SHARING DEVICE USING BLOCKCHAIN AND OPERATION METHOD THEREFOR ~71:CEONGUK EUI SEOLGEDO LC., 15F, 271 Gudeok-ro Seo-gu, Republic of Korea ~72: KIM, Min Jae~ 33:KR ~31:10-2022-0122410 ~32:27/09/2022;33:KR ~31:10-2022-0122423

~32:27/09/2022;33:KR ~31:10-2022-0122452 ~32:27/09/2022;33:KR ~31:10-2022-0122458 ~32:27/09/2022;33:KR ~31:10-2022-0122464 ~32:27/09/2022;33:KR ~31:10-2022-0122670 ~32:27/09/2022;33:KR ~31:10-2023-0131051 ~32:27/09/2023

2025/08486 ~ Provisional ~54:DROPLO ~71:KHOLOFELO MARUPUTLA JUNIOR MASHATOLE, THE LITTLE MANNATTAN GARDENS 375,, South Africa ~72: KHOLOFELO MARUPUTLA JUNIOR MASHATOLE~

2025/08451 ~ Complete ~54:NON-WOVEN MAT ~71:Bluewater Bio Limited, Winchester House, 259-269 Old Marylebone Road, LONDON NW1 5RA, UNITED KINGDOM, United Kingdom ~72: WIERSMA, Elmer~ 33:EP ~31:24205088.8 ~32:07/10/2024

2025/08455 ~ Complete ~54:A MOTOR HOUSING, AND AN ELECTRIC MOTOR INCLUDING SAME ~71:ROBERT CHARLES GRADIDGE, 12 Kleim Street, Carletonville, 2499, South Africa ~72: ROBERT CHARLES GRADIDGE~ 33:ZA ~31:2024/07547 ~32:04/10/2024

2025/08461 ~ Complete ~54:SOLID ORAL DOSAGE FORM COMPRISING ANTIBODIES FOR SUSTAINED RELEASE IN THE LOWER GASTROINTESTINAL TRACT ~71:Tillotts Pharma AG, Baslerstrasse 15, RHEINFELDEN 4310, SWITZERLAND, Switzerland ~72: BRAVO GONZALEZ, Roberto Carlos;VOGLER, Ramon~ 33:US ~31:63/492,513 ~32:28/03/2023

2025/08456 ~ Complete ~54:PNEUMATIC SIPHON VALVES AND REACTION CHAMBERS FOR SAMPLE ANALYSIS ~71:VITAL BIOSCIENCES INC., 3165 UNITY DR., UNIT 2, MISSISSAUGA, ONTARIO L5L, 4L4, CANADA, Canada ~72: BARBOSA, Luis, Miguel, Marques;BARREIROS, Miguel;KOUSSA, Mounir;MASUM, Fahim;PEREZ, Paul, Said, Ehrlich;SANTOS, David, Pena de Sousa~ 33:US ~31:63/489,420 ~32:09/03/2023;33:US ~31:63/489,667 ~32:10/03/2023

2025/08449 ~ Provisional ~54:FLAVONOID COMPOUNDS AND NANOPARTICLE COMPOSITIONS THEREOF ~71:RIVERS STATE UNIVERSITY, Department of Chemistry, Port Harcourt, Nigeria;WALTER SISULU UNIVERSITY, Nelson Mandela Drive, Mthatha, Eastern Cape, 5100, South Africa ~72: ADEBOLA OMOWUNMI OYEDEJI;AYODEJI OLUWABUNMI ORIOLA;GLORIA IHUOMA NDUKWE;GODSWILL KUTA FEKARURHOBO;PALLAB KAR;RACHAEL ELIJAH EKONG~

2025/08463 ~ Complete ~54:FUEL ADDITIVE COMPOSITIONS AND METHODS FOR CONTROLLING CARBON DEPOSITS IN AN INTERNAL COMBUSTION ENGINES ~71:CHEVRON ORONITE COMPANY LLC, 6001 Bollinger Canyon Road, San Ramon, California, 94583-0806, United States of America;CHEVRON U.S.A. INC., 6001 Bollinger Canyon Road, San Ramon, California, 94583, United States of America ~72: CHUNG-HAO KUO;GREGORY B BOURSALIAN;IAN ATKINS;JIUN-LE SHIH;MICHAEL S DRIVER;RUTH SMOCHA~ 33:US ~31:63/455,285 ~32:29/03/2023

2025/08459 ~ Complete ~54:INTRAVAGINAL FORMULATIONS OF *GARDNERELLA* ENDOLYSINS ~71:BioNTech SE, An der Goldgrube 12, MAINZ 55131, GERMANY, Germany ~72: CORSINI, Lorenzo;KIENINGER, Ann-Katrin;PODPERA TIŠÁKOVÁ, Lenka;POLJAK, Albina;PROTANO, Maria;SCHWEBS, Timo~ 33:EP ~31:23172423.8 ~32:09/05/2023;33:EP ~31:23215987.1 ~32:12/12/2023

2025/08462 ~ Complete ~54:METHOD, COMPUTER-READABLE MEDIA AND CONTROL DEVICE ~71:CI Tech Sensors AG, Oberburgstrasse 10, BURGDORF 3400, SWITZERLAND, Switzerland ~72: AMMETER, Harald;HELD, Roman;LAMPE, Alexander;SCHMIED, Christian;STOECKLI, Armin L.~ 33:EP ~31:23164179.6 ~32:24/03/2023

2025/08465 ~ Complete ~54:SELECTIVE RAPAMYCIN ANALOGS AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591-6707, United States of

America ~72: CHESTER A METCALF III;DAVID GLASS;JOSEPH P VACCA;TEA SHAVLAKADZE;WILLIAM OLSON~ 33:US ~31:63/494,839 ~32:07/04/2023;33:US ~31:63/515,184 ~32:24/07/2023;33:US ~31:63/624,875 ~32:25/01/2024

2025/08489 ~ Provisional ~54:UNIVERSAL BUILDING SYSTEM USING STANDARDIZED INTERLOCKING BRICKS AND A NOVEL MANUFACTURING METHOD ~71:Josiah Mos, 20 Main Road, South Africa ~72: Ronald Mos~

2025/08466 ~ Provisional ~54:PLASTIC CONNECTOR TO BE USED ON CARDBOARD SHELF. ~71:VG Ideas Pty Ltd, 8 Bon Chretien, Die Boord, South Africa ~72: VG Ideas Pty Ltd~

2025/08447 ~ Provisional ~54:SYSTEM AND METHOD FOR WIRELESS DISTRIBUTION OF RENEWABLE ENERGY USING CLOUD-BASED STORAGE NETWORKS ~71:Northwind Technologies (PTY) LTD, 5304 Munyaka Lifestyle Estate, South Africa ~72: Northwind Technologies (PTY) LTD~ 33:ZA ~31:2025/1004 ~32:04/10/2025

2025/08453 ~ Complete ~54:ACCOMMODATION SHARING DEVICE USING BLOCKCHAIN, AND OPERATION METHOD THEREFOR ~71:CEONGUK EUI SEOLGEDO LC., 15F, 271 Gudeok-ro Seo-gu, Republic of Korea ~72: KIM, Min Jae~ 33:KR ~31:10-2022-0122410 ~32:27/09/2022;33:KR ~31:10-2022-0122423 ~32:27/09/2022;33:KR ~31:10-2022-0122452 ~32:27/09/2022;33:KR ~31:10-2022-0122458 ~32:27/09/2022;33:KR ~31:10-2022-0122464 ~32:27/09/2022;33:KR ~31:10-2022-0122670 ~32:27/09/2022;33:KR ~31:10-2023-0131051 ~32:27/09/2023

2025/08448 ~ Provisional ~54:REDUCTION FURNACE AND PROCESS FOR METAL OXIDES ~71:GREEN PROCESS SOLUTIONS INTERNATIONAL FZ-LLC (RAKEZ), Cloud Desk D08, 11th Floor, Al Sarab Tower, Abu Dhabi Global Market Square, United Arab Emirates ~72: PRICE, Christopher James~

2025/08452 ~ Complete ~54:A TRANSPORT MANAGEMENT SYSTEM ~71:BATSAMAYI SOFTWARE DEVELOPMENT (PTY) LTD, HARBOUR VIEW BUILDING, OAKWORTH ROAD, HUMEWOOD, NELSON MANDELA BAY, 6001, South Africa, South Africa ~72: NYANGINTSIMBI, Cinga, Phiwe~ 33:ZA ~31:2024/05207 ~32:04/07/2024

2025/08458 ~ Complete ~54:MICROFLUIDIC SAMPLE HANDLING ~71:VITAL BIOSCIENCES INC., 3165 UNITY DR., UNIT 2, MISSISSAUGA, ONTARIO L5L, 4L4, CANADA, Canada ~72: BORISENKO, Vitali;PIÑEROS, Laura~ 33:US ~31:63/489,424 ~32:10/03/2023;33:US ~31:63/489,681 ~32:10/03/2023

2025/08464 ~ Complete ~54:FUEL ADDITIVE COMPOSITIONS AND METHODS FOR CONTROLLING DEPOSITS ~71:CHEVRON ORONITE COMPANY LLC, 6001 Bollinger Canyon Road, San Ramon, California, 94583-0806, United States of America;CHEVRON U.S.A. INC., 6001 Bollinger Canyon Road, San Ramon, California, 94583, United States of America ~72: CHUNG-HAO KUO;GREGORY B BOURSALIAN;IAN ATKINS;JIUN-LE SHIH;MICHAEL S DRIVER~ 33:US ~31:63/455,289 ~32:29/03/2023

2025/08446 ~ Provisional ~54:PROPARTROMOVREC SOLAR SYSTEM ~71:Adeleke Abdulfatai Adeyemi, No 1 Starwood estate, Abuja, F.C.T, 900107, Nigeria ~72: Adeleke Abdulfatai Adeyemi~

2025/08450 ~ Provisional ~54:A MULTI-TENANT ARTIFICIAL INTELLIGENCE PLATFORM AND MARKETPLACE ~71:ALTRON TMT (PTY) LTD, Altron Campus Block D, Woodlands Office Park, South Africa ~72: BOOYSENS, Wilco Darius;BOSHOFF, Konrad Rainer Kunz;MARTIN, Jody;MATSEPANE, Moses Mpho~

2025/08457 ~ Complete ~54:MICROFLUIDIC REACTION STRUCTURES ~71:VITAL BIOSCIENCES INC., 3165 UNITY DR., UNIT 2, MISSISSAUGA, ONTARIO L5L, 4L4, CANADA, Canada ~72: ALFAQHERI,

Wisam;BARBOSA, Luis, Miguel, Marques;BARREIROS, Miguel;BEHROUZI, Mehran~ 33:US ~31:63/489,422 ~32:09/03/2023;33:US ~31:63/489,677 ~32:10/03/2023

2025/08460 ~ Complete ~54:ADJUSTABLE JOINT OF MODULAR STEEL STRUCTURE FOR LARGE CONTAINER, AND CONSTRUCTION METHOD ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: CHU, Meng;GE, Honghui;GU, Shengquan;JIANG, Xiang;LIU, Shenghua;LU, Hongzao;WANG, Mingdan;XU, Ting;XU, Wen;YANG, Shifeng;ZHANG, Rui~ 33:CN ~31:202310282246.1 ~32:21/03/2023

. - APPLIED ON 2025/10/07 -

2025/08487 ~ Provisional ~54:ZIT-SENTINEL ~71:ZIT GLOBAL TECHNOLOGIES (PTY) LTD, 7386 Extension 3 Winterveld, South Africa ~72: ARCHIMORE MONDLI KUBHERA~

2025/08475 ~ Complete ~54:PLANTS WITH DUAL HERBICIDE RESISTANCE ~71:Advanta Holdings B.V., Claudius Prinsenlaan 144A, Block A, BREDA 4818 CP, THE NETHERLANDS, Netherlands ~72: BONDINO, Hernan Gabriel;DE LA PAZ ARRIETA MONTIEL, Maria;PARDO, Pedro Alejandro~ 33:US ~31:63/502,737 ~32:17/05/2023

2025/08485 ~ Complete ~54:METHOD FOR INHIBITING THE NITRIFICATION PROCESS IN SOIL ~71:AGRO INNOVATION INTERNATIONAL, 18 Avenue, Franklin Roosevelt, 35400, Saint-Malo, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3, rue Michel-Ange, 75016, Paris, France;UNIVERSITE DE RENNES, Campus de Beaulieu 263 avenue Général Leclerc, CS 74205 35042 RENNES CEDEX, France ~72: ABDELHAK EL AMRANI;CÉCILE MONARD;DAVOUD FARAJZADEH;EMMANUEL CLOSTRES;MUSTAPHA ARKOUN;SYLVAIN PLUCHON~ 33:FR ~31:FR2303530 ~32:07/04/2023

2025/08472 ~ Complete ~54:RIFLE CHAMBER GAUGE ~71:VAN ROOYEN, Francois, 10 SANDVELD STREET, SUNSET PARK, SECUNDA, MPUMALANGA, 2302, SOUTH AFRICA, South Africa ~72: VAN ROOYEN, Francois~ 33:ZA ~31:2024/07864 ~32:17/10/2024

2025/08481 ~ Complete ~54:RECOMBINANT AND CHIMERIC PROTEIN FOR CONTROLLING INSECT PESTS ~71:CTC - CENTRO DE TECNOLOGIA CANAVIEIRA S.A., Fazenda Santo Antonio S/Nº, Caixa Postal 162, Santo Antonio, Piracicaba, São Paulo, 13400970, Brazil ~72: CESAR MOISÉS CAMILO;KEINI DRESSANO;PAULO HENRIQUE DE OLIVEIRA CECILIATO~ 33:US ~31:63/493,661 ~32:31/03/2023

2025/08488 ~ Provisional ~54:ZIT-SANDBOND ~71:ZIT GLOBAL TECHNOLOGIES (PTY) LTD, 7386 Extension 3 Winterveld, South Africa ~72: ARCHIMORE MONDLI KUBHERA~

2025/08490 ~ Provisional ~54:IR THERMAL FIREARM DETECTION CAMERA ~71:Collin Sizani, 349/1667 Lemao Street block I Beirut Mabopane, South Africa ~72: Collin Sizani~ 33:ZA ~31:1 ~32:06/10/2025

2025/08483 ~ Complete ~54:RECOMBINANT CRY PROTEIN FOR CONTROLLING INSECT PESTS ~71:CTC - CENTRO DE TECNOLOGIA CANAVIEIRA S.A., Fazenda Santo Antonio S/Nº, Caixa Postal 162, Santo Antonio, Piracicaba, São Paulo, 13400970, Brazil ~72: ALINNE LOZANO SAONCELLA;ANTONIO ADALBERTO KAUPERT NETO;KEINI DRESSANO;PAULO HENRIQUE DE OLIVEIRA CECILIATO~ 33:US ~31:63/493,458 ~32:31/03/2023

2025/08830 ~ Provisional ~54:LIFE LINE ~71:Jeremy Raghunath, 36 Petersfield Street, Unit 7 Jonelle, South Africa ~72: Jeremy Raghunath~

2025/08473 ~ Complete ~54:BOXING TRAINING APPARATUS ~71:PROTECTYOURSELFATALLTIMES PTY LTD, Unit 15, 84 Campbell Road, Australia ~72: FOSTER, Brett Jason;GERNER, Julian Kingsford;LUESCHER, Raoul;RENNIE, Nicholas Campbell~ 33:AU ~31:2023900687 ~32:14/03/2023

2025/08468 ~ Provisional ~54:SYSTEM AND METHOD FOR DYNAMICALLY CALCULATING AND UPDATING A LIVING WAGE INDEX USING REAL-TIME MACROECONOMIC AND MICROECONOMIC DATA ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabel Diale~

2025/08476 ~ Complete ~54:A FABRIC AND HOME CARE COMPOSITION COMPRISING A PROPOXYLATED POLYOL ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: CHILTON, Ruth;EBERT, Sofia Rosa;GORCZYNSKA-COSTELLO, Katarzyna;HUELSKOETTER, Frank;NIEBERLE, Joerg;SI, Gang;SIVIK, Mark Robert;WANG, Mu~ 33:EP ~31:23171794.3 ~32:05/05/2023

2025/08477 ~ Complete ~54:PHOTOLABILE CYCLIC ACETALS AND KETALS FOR THE LIGHT-INDUCED DELIVERY OF ACTIVE ALDEHYDES AND KETONES ~71:Firmenich SA, 7, Rue de la Bergère, SATIGNY 1242, SWITZERLAND, Switzerland ~72: BRADY, Kimberly;HERRMANN, Andreas;WOMACK, Gary~ 33:US ~31:63/496,534 ~32:17/04/2023;33:EP ~31:23171447.8 ~32:04/05/2023

2025/08484 ~ Complete ~54:MODIFIED FUSION PROTEIN FOR CONTROLLING INSECT PESTS ~71:CTC - CENTRO DE TECNOLOGIA CANAVIEIRA S.A., Fazenda Santo Antonio S/Nº, Caixa Postal 162, Santo Antonio, Piracicaba, São Paulo, 13400970, Brazil ~72: ALINNE LOZANO SAONCELLA;ANTONIO ADALBERTO KAUPERT NETO;CESAR MOISÉS CAMILO;KEINI DRESSANO;PAULO HENRIQUE DE OLIVEIRA CECILIATO~ 33:US ~31:63/493,452 ~32:31/03/2023

2025/08661 ~ Provisional ~54:IR THERMAL CONCEALED FIREARM DETECTION CAMERA ~71:Collin Sizani, 349/1667 Lemao Street block I Beirut Mabopane, South Africa;Collin Sizani, 349/1667 Lemao Street block I Mabopane, South Africa ~72: Collin Sizani~ 33:ZA ~31:2 ~32:06/10/2025

2025/08471 ~ Provisional ~54:KIOSK GENERATION ~71:Busisiwe Godlo, 27 Ramokoka Avenue, South Africa ~72: Busisiwe Godlo~

2025/08479 ~ Complete ~54:RECOMBINANT AND MODIFIED CRY PROTEINS FOR CONTROLLING INSECT PESTS ~71:CTC - CENTRO DE TECNOLOGIA CANAVIEIRA S.A., Fazenda Santo Antonio S/Nº, Caixa Postal 162, Santo Antonio, Piracicaba, São Paulo, 13400970, Brazil ~72: CESAR BUENO DE SOUZA;CESAR MOISÉS CAMILO;KEINI DRESSANO;PAULO HENRIQUE DE OLIVEIRA CECILIATO~ 33:US ~31:63/493,433 ~32:31/03/2023

2025/08480 ~ Complete ~54:MODIFIED FUSION PROTEIN FOR CONTROLLING INSECT PESTS ~71:CTC - CENTRO DE TECNOLOGIA CANAVIEIRA S.A., Fazenda Santo Antonio S/Nº, Caixa Postal 162, Santo Antonio, Piracicaba, São Paulo, 13400970, Brazil ~72: CESAR BUENO DE SOUZA;CESAR MOISÉS CAMILO;KEINI DRESSANO;PAULO HENRIQUE DE OLIVEIRA CECILIATO~ 33:US ~31:63/493,441 ~32:31/03/2023

2025/08470 ~ Provisional ~54:METHOD POST-GROUTING BEARING PLATES - CABLE ANCHORS ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2025/08474 ~ Complete ~54:UV LACQUER FOR DIRECT TO METAL APPLICATION ~71:ACTEGA do Brasil Tintas e Vernizes Ltda., Rua Nossa Senhora da Penha No. 800 - 850, SÃO PAULO 18147-000, ARAÇARIGUAMA, BRAZIL, Brazil ~72: GALHARDO, Antonio;VIEIRA, Alan~ 33:EP ~31:23167821.0 ~32:13/04/2023

2025/08482 ~ Complete ~54:MODIFIED FUSION PROTEIN FOR CONTROLLING INSECT PESTS ~71:CTC - CENTRO DE TECNOLOGIA CANAVIEIRA S.A., Fazenda Santo Antonio S/Nº, Caixa Postal 162, Santo Antonio, Piracicaba, São Paulo, 13400970, Brazil ~72: CESAR MOISÉS CAMILO;KEINI DRESSANO;PAULO HENRIQUE DE OLIVEIRA CECILIATO~ 33:US ~31:63/493,449 ~32:31/03/2023

2025/08467 ~ Provisional ~54:LIVE WELL SOUTH AFRICA/MZANSI-REVOLVING MICROLOAN FINANCIAL SERVICE PRODUCT ~71:Black Men Working (Pty) Ltd (Reg No:2023/270150/07, 2072, South Africa ~72: Tendamudzimu Paulinah Mavhetha~

2025/08469 ~ Provisional ~54:BUILDING BLOCK ~71:CRE8 IP (PTY) LTD, 53 2nd Avenue, Apartment 12004, Houghton Estate, South Africa ~72: PILLAY, Sayuri~

2025/08478 ~ Complete ~54:PURGE GAS CONDITIONING OF NH3 PLANTS ~71:STAMICARBON B.V., Mercator 3, Netherlands ~72: CUCCHIELLA, Barbara;DOBREE, Joey;PATEL, Mahal;POSTMA, Rolf Sybren;VERHEIJEN, Michael Mattis Carlos~ 33:EP ~31:23165617.4 ~32:30/03/2023

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2025/08501 ~ Complete ~54:AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ASTOLA, Pekka;BUGDAYCI SANSLI, Döne;GHAZNAVI YOUVALARI, Ramin~ 33:FI ~31:20235312 ~32:16/03/2023

2025/08511 ~ Complete ~54:GENETIC MODIFICATION OF MICROBES FOR PRODUCTION OF NITROGEN-CONTAINING, NON-CARBON COMPOUNDS ~71:FERTIS INDIA PVT. LTD., 6-3-668/10/56, Plot No 56, 1st Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana, 500082, India ~72: RAHUL RAJU KANUMURU~ 33:IN ~31:202241064230 ~32:09/12/2022

2025/08503 ~ Complete ~54:AN EXTRUSION PROCESS FOR PREPARING A FOOD FLAVOR PRODUCT ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: JAECKEL, Martin;MONTEIRO DE ARAUJO SILVA, Maria;PAJIC, Aleksandar;REYNES, Pierre;SABUNCUOGLU, Safiye Nur~ 33:EP ~31:23162012.1 ~32:15/03/2023

2025/08505 ~ Complete ~54:TRANSGENIC PLANTS HAVING INCREASED RESISTANCE TO FUNGAL DISEASES AND METHODS OF PRODUCING SAME ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: CLINTON, William, P.;LEVI, Noam Eckshtain;MERRILL, Keith;O'BRIEN, Brent A.;ZHAO, Suling~ 33:US ~31:63/499,305 ~32:01/05/2023

2025/08514 ~ Complete ~54:TROP2-BINDING PROTEINS AND USES THEREOF ~71:MYTHIC THERAPEUTICS, INC., 100 Beaver Street, Suite 303 Waltham, Massachusetts 02453, United States of America ~72: BRIAN FISKE;DAVID NIQUILLE;NIMISH GERA;THOMAS CHITTENDEN~ 33:US ~31:63/455,278 ~32:29/03/2023;33:US ~31:63/596,306 ~32:05/11/2023

2025/08516 ~ Complete ~54:SOLID ORAL COMPOSITION OF OLAPARIB AND ITS SALTS THEREOF ~71:BDR PHARMACEUTICALS INTERNATIONAL PRIVATE LIMITED, 407-408, Sharda Chambers, New Marine Lines, Mumbai, Maharashtra, 400020, India ~72: ABHIJEET UPADHYE;BADIGER ARAVIND MANAPPA;DHARMESH MAHENDRABHAI SHAH;NISHIT GOHEL;RUTVI G THAKKAR;SAMIR PANCHAL;SOMNATH WABALE~ 33:IN ~31:202321015565 ~32:09/03/2023

2025/08533 ~ Provisional ~54:MAGNETIC CAR ROOF RACK ~71:Charles Ernest Augustus Sterzel, 15 Jarrah, Breaunanda, Krugersdorp, Mogale City, South Africa ~72: Charles Ernest Augustus Sterzel~

2025/08660 ~ Provisional ~54:ID VERITY APP ~71:THERON MNDLOVU, 1375 Ivory Park Ext 2, South Africa ~72: THERON MNDLOVU~

2025/08500 ~ Complete ~54:AN IN-VITRO METHOD AND A KIT FOR DETERMINING THE SEVERITY OF COVID-19 OUTCOME ~71:PAL, Jagannath, Multidisciplinary Research Units (MRU), Pt. J.N.M. Medical College, Jail Rd, opposite central Jail, India;PT. JAWAHAR LAL NEHRU MEMORIAL MEDICAL COLLEGE, Pt. J.N.M. Medical College, Jail Rd, opposite central Jail, India ~72: PAL, Jagannath;RAJPUT, Yogita~ 33:IN ~31:202321017746 ~32:16/03/2023

2025/08502 ~ Complete ~54:AIRCRAFT TUGS ~71:PONDORFER, Prisca, Dolsach 68, A-9991, Tirol, Austria;PONDORFER, Viola, Dolsach 68, A-9991, Tirol, Austria ~72: PONDORFER, Prisca;PONDORFER, Viola~ 33:GB ~31:2305767.2 ~32:19/04/2023

2025/08491 ~ Provisional ~54:360WALLET ~71:Velly Sipho Phaloane, 593 greenside section, South Africa ~72: Velly Sipho Phaloane~

2025/08493 ~ Provisional ~54:TRANSPARENT PANEL ~71:BOTHA, Luan, 12 TARENTAAL STREET, KRIEL, 2271, SOUTH AFRICA, South Africa ~72: BOTHA, Luan~

2025/08496 ~ Complete ~54:LATERAL WALL ASSEMBLY SENSING SYSTEM AND A CORRESPONDING METHOD OF MEASURING WEAR ~71:WEIR MINERALS NETHERLANDS B.V., Egtenrayseweg 9, Netherlands ~72: DIERX, Björn;GULAVANI, Mahesh;VRAETZ, Tobias~ 33:GB ~31:2306248.2 ~32:27/04/2023

2025/08506 ~ Complete ~54:BIFUNCTIONAL COMPOUNDS CAPABLE OF DEGRADING ANDROGEN RECEPTORS ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: ASTLES, Peter;SCOTT, James~ 33:US ~31:63/489,528 ~32:10/03/2023

2025/08510 ~ Complete ~54:GENETIC MODIFICATION OF MICROBES FOR PRODUCTION OF NITROGEN AND CARBON-CONTAINING COMPOUNDS ~71:FERTIS INDIA PVT. LTD., 6-3-668/10/56, Plot No 56, 1st Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana, 500082, India ~72: RAHUL RAJU KANUMURU~ 33:IN ~31:202241064228 ~32:09/12/2022

2025/08494 ~ Provisional ~54:FOLDING WASHLINE BRACKET ~71:Allan Vandenberg, 8 Wild Peach Villas, Woodlands Drive, Durbanville, Cape Town, South Africa;NA, NA, NA, South Africa ~72: Allan Vandenberg~

2025/08495 ~ Complete ~54:TITANIA BASED GENERATORS FOR AC-225 GENERATION ~71:TERRAPOWER ISOTOPES, LLC, 15800 Northup Way, Bellevue, Washington, 98008, United States of America ~72: CHRISTOPHER P DUNCKLEY;KEN CZERWINSKI;PYOUNGCHUNG KIM;RUSSELL LUDWIG;SAYANDEV CHATTERJEE;VLADISLAV P VLASENKO;ZUOLEI LIAO~ 33:US ~31:63/177,037 ~32:20/04/2021;33:US ~31:63/284,941 ~32:01/12/2021

2025/08499 ~ Complete ~54:DEVICE FOR DOCUMENTING THE USE OF INSERTED IMPLANTS, AND METHOD TO THIS END ~71:I.T.S. GMBH, AUTAL 28, 8301 LASSNITZHÖHE, AUSTRIA, Austria ~72: AUF, Wolfgang~ 33:AT ~31:A 50203/2023 ~32:17/03/2023

2025/08513 ~ Complete ~54:PYRAZOLOPYRIMIDINE DERIVATIVES AS INHIBITORS OF NLRP3 ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1 Doshomachi 4-Chome, Chuo-ku, Osaka-shi, Osaka, 541-0045, Japan ~72: AKINORI TOITA;CHUNXIANG WANG;DILHUMAR UYGHUR;FUMIAKI KIKUCHI;IGNACIO IBANEZ SANCHEZ;KEISUKE IMAMURA;KOSUKE HIDAKA;MAKOTO FUSHIMI;MASAKI DAINI;MASASHI TOYOFUKU;MISAKI HOMMA;NORIO OYABU;SATOSHI MIKAMI;SHINJI MORIMOTO;SHINJI NAKAMURA;TAKAFUMI YUKAWA;TAKESHI WAKABAYASHI;TAKESHI YAMAMOTO;TOMOAKI

HASUI;TOMOHIRO OHASHI;YUTA TANAKA~ 33:US ~31:63/496,053 ~32:14/04/2023;33:US ~31:63/515,968 ~32:27/07/2023

2025/08515 ~ Complete ~54:CROSS LINKING OF THIOLS USING TWO CARBON-SULPHUR BONDS WITH A SPACER FOR HAIR STRAIGHTENING ~71:GODREJ CONSUMER PRODUCTS LTD., 4th Floor, Godrej One, Pirojshanagar, Eastern Express Highway, Vikhroli (East), Mumbai 400079, Maharashtra, India ~72: MEGHANA NAYAK;RAJAN RAGHAVACHARI;SHRUTI UPADHYAY;VENKATESWARA YADLAPALLI~ 33:IN ~31:202421009327 ~32:12/02/2024

2025/08492 ~ Provisional ~54:A SYSTEM AND METHOD FOR GROUP-BASED TICKET FUNDING AND DISTRIBUTION ~71:Neo Mahlangu, 20 Solomon Street, South Africa ~72: Neo Mahlangu~

2025/08497 ~ Complete ~54:METHODS AND APPARATUSES FOR HANDLING UE TRAFFIC ASSISTANCE AND DEVICE INFORMATION IN DUAL CONNECTIVITY ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: DE LAVAL, Fabian;LYAZIDI, Mohammed, Yazid;SHI, Nianshan;TANO, Richard~ 33:US ~31:63/452,338 ~32:15/03/2023

2025/08498 ~ Complete ~54:TEMPLE ARM FOR EYEWEAR ~71:UVEX ARBEITSSCHUTZ GMBH, WÜRZBURGER STRASSE 181-189, 90766 FÜRTH, GERMANY, Germany ~72: KREITSCHMANN, Tobias;WOLF, Martin~ 33:DE ~31:10 2023 202 345.8 ~32:15/03/2023

2025/08509 ~ Complete ~54:GENETIC MODIFICATION OF MICROBES FOR PRODUCTION OF CARBON-CONTAINING NON-NITROGEN COMPOUNDS ~71:FERTIS INDIA PVT. LTD., 6-3-668/10/56, Plot No 56, 1st Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana, 500082, India ~72: RAHUL RAJU KANUMURU~ 33:IN ~31:202241064226 ~32:09/12/2022

2025/08504 ~ Complete ~54:SUBSTITUTED INDAZOLE PROPIONIC ACID DERIVATIVE COMPOUNDS AND USES THEREOF AS AMPK ACTIVATORS ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: BHATTACHARYA, Samit Kumar;CAMERON, Kimberly O'Keefe;CONN, Edward Lee;EBNER, David Christopher;FERNANDO, Dilinie Prasadhini;FILIPSKI, Kevin James;GERSTENBERGER, Brian Stephen;HUH, Chan Woo;KUNG, Daniel Wei-Shung;LEE, Esther Cheng Yin;MATHIOWETZ, Alan Martin;MEAR, Sarah Jane;O'BRIEN, Jessica Gloria Katherine;SMITH, Aaron Christopher;TU, Meihua Mike~ 33:US ~31:63/494,598 ~32:06/04/2023

2025/08507 ~ Complete ~54:CHIMERIC ENDOLYSINS WITH ACTIVITY AGAINST STREPTOCOCCI AND STAPHYLOCOCCI ~71:KATHOLIEKE UNIVERSITEIT LEUVEN, K.U. Leuven R&D, Waaistraat 6, Belgium;UNIVERSITEIT GENT, Sint-Pietersnieuwstraat 25, Belgium ~72: BRIERS, Yves;LAVIGNE, Rob;MEYER, Evelyne;VANDER ELST, Niels~ 33:EP ~31:23164960.9 ~32:29/03/2023;33:EP ~31:23205478.3 ~32:24/10/2023

2025/08508 ~ Complete ~54:NOVEL HETEROCYCLIC AMINE DERIVATIVES AND PHARMACEUTICAL COMPOSITION COMPRISING SAME ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Hwaseong-si, Gyeonggi-do, 18623, Republic of Korea ~72: AHREUM LEE;CHOONGMIN LEE;DOOHYUN LEE;EUNHYE LEE;HYAE JUNG HYUN;HYEIM JO;JAEHUN JEONG;JOON SEOK PARK;SOOYEON JUNG~ 33:KR ~31:10-2023-0058527 ~32:04/05/2023

2025/08512 ~ Complete ~54:DISINFECTANT COMPOSITION AND USES THEREOF ~71:HYPRED, 55 Boulevard Jules Verger, 35800, Dinard, France ~72: SOPHIE GOUGEON-DIEDERICHS~ 33:FR ~31:FR2302881 ~32:27/03/2023

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2025/08525 ~ Complete ~54:COOKING APPLIANCE ~71:ACTIVE FOOD SYSTEMS LIMITED, Synergy House Units 7 to 10 Greenewable Business Park Station Lane, Offord Cluny St, United Kingdom ~72: CADBURY, George Justin Peter;EDWARDS, Andrew Norman;O'ROURKE, Sam~ 33:GB ~31:2303475.4 ~32:09/03/2023

2025/08531 ~ Complete ~54:IMMUNOMODULATOR COMPOSITION CONTAINING AZVUDINE ~71:Henan Genuine Biotech Co., Ltd., Building 1, Yard 10, Fu Xing Middle Road, Xincheng District, PINGDINGSHAN 467000, HENAN, CHINA (P.R.C.), People's Republic of China ~72: JIA, Limin;LI, Pan;QIN, Zhiyong;WANG, Zhaoyang~ 33:CN ~31:202310232465.9 ~32:10/03/2023

2025/08524 ~ Complete ~54:AN IMPACT TESTING APPARATUS FOR SUBSURFACE STRUCTURES ~71:Ajay Dubey, Undergraduate Student, Civil Engineering Department, Dr. B.R. Ambedkar National Institute of Technology, G.T. Road, Amritsar Bypass, 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, G.T. Road, Amritsar Bypass, Jalandhar, Punjab 144008, India;Dr. Rupali Senthil, Assistant Professor, Civil Engineering Department, Dr. B.R. Ambedkar National Institute of Technology, G.T. Road, Amritsar Bypass, Jalandhar, Punjab 144008, India;Dr. Senthil Kasilingam, Assistant Professor, Civil Engineering Department, Dr. B.R. Ambedkar National Institute of Technology, G.T. Road, Amritsar Bypass, Jalandhar, Punjab 144008, India ~72: Ajay Dubey;Dr. Hemant Sharad Chore;Dr. Rupali Senthil;Dr. Senthil Kasilingam~

2025/08523 ~ Complete ~54:BASKETBALL HOOP FOR BASKETBALL PRACTICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: JIA Huarui;LI Zhanping;WANG Hongmin;YANG Honglin;ZHEN Juan~

2025/08530 ~ Complete ~54:QUANTIZATION OFFSETS FOR DEPENDENT QUANTIZATION IN VIDEO CODING ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: COBAN, Muhammed Zeyd;KARCZEWICZ, Marta;NIKITIN, Pavel~ 33:US ~31:63/507,371 ~32:09/06/2023;33:US ~31:18/734,509 ~32:05/06/2024

2025/08532 ~ Complete ~54:DOSAGE REGIMEN FOR SOTORASIB/CARBOPLATIN/PEMETREXED IN CANCER TREATMENT ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: HENARY, Haby;MEHTA, Bhakti;NGARMCHAMNANRITH, Gataree;PARK, Joseph;RYBKIN, Igor Ivanovich~ 33:US ~31:63/459,349 ~32:14/04/2023;33:US ~31:63/520,050 ~32:16/08/2023

2025/08519 ~ Provisional ~54:REINFORCED FENCE ~71:COCHRANE GULF FZE, 901 Suntech Tower, Silicon Oasis, United Arab Emirates ~72: BUCARIZZA, Vlado~

2025/08527 ~ Complete ~54:MARKING OF HYDROCARBON PRODUCTS ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: DE FEO, Oscar;LASKAY, Ünige;LOPEZ GEJO, Juan~ 33:EP ~31:23161162.5 ~32:10/03/2023

2025/08529 ~ Complete ~54:MENINGOCOCCAL PROTEIN BASED VACCINE FORMULATIONS AND METHODS FOR MANUFACTURING THEREOF ~71:Serum Institute of India Private Limited, 212/2, Off Soli Poonawalla Road, Hadapsar, PUNE 411028, MAHARASHTRA, INDIA, India ~72: ANNAMRAJU, Dattatreya Sarma;DHERE, Rajeev Mhalasakant;PISAL, Sambhaji Shankar~ 33:IN ~31:202321021121 ~32:24/03/2023

2025/08528 ~ Complete ~54:SIGNALING USAGE OF PDU SET AND END OF BURST MARKING FOR COMMUNICATING WEBRTC MEDIA DATA ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72:

BOUAZIZI, Imed;HANDE, Prashanth Haridas;TONESI, Dario Serafino~ 33:US ~31:63/495,201 ~32:10/04/2023;33:US ~31:18/629,617 ~32:08/04/2024

2025/08522 ~ Provisional ~54:MODULAR MAGNETO-CALORIC THERMAL ENERGY CONVERSION MACHINE ~71:Matthew Ryan Cholewinski, 110 River Rd, South Africa ~72: Matthew Ryan Cholewinski~

2025/08520 ~ Provisional ~54:DRILL RIG AND METHOD ~71:VAN ASWEGEN, HENDRIK WILLEM TROSKIE, HEUWELSIG 14, South Africa ~72: VAN ASWEGEN, HENDRIK WILLEM TROSKIE~

2025/08526 ~ Complete ~54:MOLECULES AND METHODS OF USE THEREOF ~71:WOOLWICH SCIENCES LLC, c/o Grimes & Yvon LLP, 11 Broadway, Suite 615, United States of America ~72: ROSS, Adrian F.;ZAIRIS, Sakellarios~ 33:US ~31:63/498,511 ~32:26/04/2023

2025/08518 ~ Provisional ~54:SYSTEM FOR AUTONOMOUS AGENT-TO-AGENT TRANSACTIONS VIA PROGRAMMABLE ESCROW AND REPUTATION LAYERS ~71:Michael Smorenburg, 23 Ottawa Road, South Africa ~72: Michael Smorenburg~ 33:ZA ~31:01 ~32:08/10/2025

2025/08521 ~ Provisional ~54:MULTI-DUROMETER PROSTHETIC LINER WITH RADIAL-STRETCH FABRIC AND REINFORCED DISTAL COATING ~71:Luvuyo Sume, 26 Strydom Road, South Africa ~72: Luvuyo Sume~ 33:ZA ~31:not applicable ~32:08/10/2025

2025/08517 ~ Provisional ~54:A COMPOSITION FOR THE TREATMENT OF SKIN CONDITIONS ~71:MOHAMMED ASLAM KARODIA, No. 2 Muller Street South, Buccleuch, South Africa ~72: KARODIA, Mohammed Aslam~

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2025/08539 ~ Provisional ~54:GUARDIANEYE: ALL-SEEING SECURITY GUARDIAN ~71:thulani robert nkosi, STAND NO 1247, South Africa ~72: thulani robert nkosi~

2025/08548 ~ Complete ~54:BIOMARKERS OF MUSCULOSKELETAL INJURY ~71:MARKER HOLDINGS AG, Bahnhofstrasse 20, 6300 Zug, Switzerland ~72: ANTONIO BELLI;VALENTINA DI PIETRO~ 33:US ~31:63/170,438 ~32:02/04/2021

2025/08556 ~ Complete ~54:FILTER PANEL, FILTRATION APPARATUS AND METHOD OF PROVIDING FILTER PANEL ~71:RENASYS AS, Øyrane 12, Norway ~72: MALMIN, Arne;MELHUS, Trond~ 33:SE ~31:2350303-0 ~32:17/03/2023

2025/08567 ~ Complete ~54:TARGET DETECTION USING TEMPERATURE CONTROLLED PROBES ~71:SPEEDX PTY LTD, Suite 102, National Innovation Centre, 4 Cornwallis Street, Eveleigh, New South Wales 2015, Australia ~72: ALISON VELYIAN TODD;INGRID SARA LINNEA ANEMAN;RYUNG RAE KIM;YIN XU~ 33:AU ~31:2023901468 ~32:15/05/2023

2025/08576 ~ Complete ~54:OLIGONUCLEOTIDES FOR USE IN MODULATING IMMUNE RESPONSES AGAINST HEPATITIS B VIRAL INFECTION ~71:AUSPERBIO THERAPEUTICS INC., 950 Tower Lane, Suite 340, United States of America ~72: CHENG, Guofeng;YANG, Cheng Yong~ 33:CN ~31:PCT/CN2023/090098 ~32:23/04/2023

2025/08577 ~ Provisional ~54:AN EMERGENCY STAT MOBILE MEDICAL HEALTH UNIT ~71:TERAN NAIDOO, HOUSE 251, ROAD 706, MONTFORD, CHATSWORTH, South Africa ~72: TERAN NAIDOO~

2025/08537 ~ Provisional ~54:A COMPOSITE AGGLOMERATE FOR USE IN A METALLURGICAL FURNACE ~71:GREYLING, Frederik Petrus, 13A Dolerite Crescent, Middelburg, South Africa ~72: GREYLING, Frederik Petrus~

2025/08541 ~ Provisional ~54:SECURITY DEVICE ~71:Goffredo Mugnaioni, 118 Casper Road, Fairlands, South Africa;Nicolaas Steyn, 58 Briggs Street, South Africa ~72: Goffredo Mugnaioni;Nicolaas Steyn~

2025/08547 ~ Complete ~54:METHOD WITHIN A PROCESS OF INTEGRATING A STORE TO AN EXTERNAL SURFACE OF AN AIRCRAFT ~71:CSIR, CSIR Campus, Meiring Naude Road, Brummeria 0184, SOUTH AFRICA, South Africa ~72: HASELUM, Steven Frank;JAMISON, Kevin Andrew;SKINNER, Peter;TULING, Sean;ZWANE, Lindokuhle~ 33:ZA ~31:2024/05391 ~32:11/07/2024

2025/08558 ~ Complete ~54:REDUCED RADIO TRANSMITTER POWER USE AND METHOD THEREFOR ~71:HALTER USA INC., 201 Spear Street, Suite 1100, United States of America ~72: FRISVOLD, Sindre;KIM, Namyoon~ 33:AU ~31:2023901058 ~32:11/04/2023

2025/08566 ~ Complete ~54:NUCLEIC ACID SCAFFOLDS AND RELATED DEVICES AND METHODS ~71:DIGITAL BIOTECHNOLOGIES, INC., 1165 Eastlake Avenue, Seattle, Washington, 98109, United States of America ~72: JASON H BIELAS~ 33:US ~31:63/465,790 ~32:11/05/2023

2025/08572 ~ Complete ~54:HYBRID SYSTEM AND METHOD FOR MINING ~71:XtremeX Mining Technology, Inc., 6575 West Loop South, Suite 500, BELLAIRE 77401, TX, USA, United States of America ~72: PORTER, Matt;PROULX, Charlie;WOOD, Tom~ 33:US ~31:63/495,774 ~32:12/04/2023

2025/08564 ~ Complete ~54:CRYSTALLINE FORMS OF RAS INHIBITORS, COMPOSITIONS CONTAINING THE SAME, AND METHODS OF USE THEREOF ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: JUN HUANG;KANG-JYE CHOU;SHAOLING LI;SURESH MANTHATI;XIAOJUN HUANG~ 33:US ~31:63/459,403 ~32:14/04/2023

2025/08573 ~ Complete ~54:ERBB2 INHIBITORS ~71:Cogent Biosciences, Inc., 275 Wyman Street, 3rd Floor, WALTHAM, 02451, MA, USA, United States of America ~72: BETTENDORF, Tanna;CHATTERJEE, Payal;CHICARELLI, Mark J.;FELL, Jay B.;FISCHER, John;FULTON, Jennifer;JALLURI, Ravi Kumar;MALINKY, Cori A.;SALITURO, Leah J.;VINE, Logan E.~ 33:US ~31:63/495,543 ~32:11/04/2023

2025/08540 ~ Provisional ~54:PLUMBING CONNECTOR ~71:NO MORE LEAK (PTY) LTD, R4 Park View Heights, Belami Avenue, Sonstraal Heights, South Africa ~72: VISSER, Jakobus Hendrik~

2025/08551 ~ Complete ~54:METHODS OF ADMINISTERING NALBUPHINE ~71:Trevi Therapeutics, Inc., 195 Church Street, 14th Floor, NEW HAVEN 06510, CT, USA, United States of America ~72: ROHATAGI, Shashank;SCIASCIA, Thomas~ 33:US ~31:62/959,701 ~32:10/01/2020;33:US ~31:63/014,306 ~32:23/04/2020

2025/08557 ~ Complete ~54:CARBONIZED PRODUCT-CONTAINING GRANULES AND METHOD FOR PRODUCING THEM, AND USE ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: Christian KAISER;Norbert LEISS;Sebastian VOGEL;Severin SEIFERT~ 33:DE ~31:10 2023 204 198.7 ~32:05/05/2023

2025/08545 ~ Complete ~54:CONNECTION COMPONENT FOR NEW AND EXISTING BRIDGES ADAPTABLE TO VARIOUS WIDENING WIDTHS ~71:ANHUI KAIYUAN HIGHWAY AND BRIDGE CO., LTD., No. 17, Tianzhi Road, High-tech Zone, Hefei City, Anhui Province, 230051, People's Republic of China;FUZHOU UNIVERSITY, No. 2, Wulongjiang North Avenue, Fuzhou University Town, Fuzhou City, Fujian Province, 350000, People's

Republic of China;XIAMEN R&B BAICHENG CO., LTD., 13th-16th Floor, No. 281, Lianqian West Road, Siming District, Xiamen City, Fujian Province, 361009, People's Republic of China ~72: Jianfeng CHEN;Maorong CHEN;Qingxiong WU;Qu WANG;Xiaolong CAO;Yilun YANG~ 33:CN ~31:2025220488134 ~32:24/09/2025

2025/08554 ~ Complete ~54:COMPUTER SERVICES ~71:CRISP, Jackson L., 2749 Fresh Pond Court, Henderson, Nevada 89052, United States of America ~72: CRISP, Jackson L.~ 33:US ~31:63/489,845 ~32:13/03/2023

2025/08562 ~ Complete ~54:NEW SPORELESS PLEUROTUS STRAIN ~71:SOMYCEL, Anc R Carnot Zi Sud Route De Tours, 37130, Langeais, France ~72: ANIÇA AMINI;MARK WACH;SÉGOLÈNE PÉGÉ~ 33:EP ~31:23305429.5 ~32:28/03/2023

2025/08561 ~ Complete ~54:ELECTRICAL CABLE HAVING RETROREFLECTIVE AND PHOSPHORESCENT PROPERTIES ~71:HELMACAB OY, Lasitehtaankatu 12, Finland ~72: ASPLUND, Martin;MATTILA, Mikko~ 33:EP ~31:23170519.5 ~32:28/04/2023

2025/08534 ~ Provisional ~54:RESILIENCE PRICING MODELS COMPRISING 3 EMBEDDED SYSTEMS - RESILIENCE INDEX, RESLIENCE PRICING FRAMEWORK AND SEVENTEEN SUSTAINABLE EQUATIONS ~71:MATTHEW PATRICK PEREIRA, 12 FIELDS CRESCENT, South Africa ~72: MATTHEW PATRICK PEREIRA~ 33:ZA ~31:1 ~32:01/10/2025

2025/08535 ~ Provisional ~54:APPLICATOR ~71:DHIANKA NAIDOO, 534 FLEMINGTON STREET, KYALAMI ESTATES, South Africa ~72: DHIANKA NAIDOO~

2025/08544 ~ Complete ~54:CONNECTION NODE STRUCTURE BETWEEN CONCRETE-FILLED STEEL TUBE PIER AND STEEL BOX GIRDER ~71:FUZHOU UNIVERSITY, No. 2, Wulongjiang North Avenue, Fuzhou University Town, Fuzhou City, Fujian Province, 350000, People's Republic of China;FUZHOU URBAN AND RURAL CONSTRUCTION GROUP CO., LTD., Jianzong Building, No. 136, Lianjiang South Road, Cangshan District, Fuzhou City, Fujian Province, 350007, People's Republic of China ~72: Chengsheng LIN;Cong GUO;Jie LIN;Lanlan HUANG;Qingxiong WU;Qu WANG;Yilun YANG~ 33:CN ~31:2025220488153 ~32:24/09/2025

2025/08553 ~ Complete ~54:CYCLIC AMINE DERIVATIVE, AND COMPOSITION AND USE THEREOF ~71:SHANGHAI JINGXIN BIOMEDICAL CO., LTD., NO. 306, Libing Road, China (Shanghai) Pilot Free Trade Zone Pudong New Area, People's Republic of China;ZHEJIANG JINGXIN PHARMACEUTICAL CO., LTD., No. 800 Xinchang East Road, Yulin Subdistrict Xinchang County Shaoxing, People's Republic of China ~72: NI, Shuaijian;SONG, Ying;TANG, Jiaqi~ 33:CN ~31:202310301299.3 ~32:24/03/2023

2025/08563 ~ Complete ~54:TOLERIZING IMMUNE MODIFYING NANOPARTICLES FOR MYASTHENIA GRAVIS TREATMENT ~71:COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., 8045 Lamon Avenue, # 1202, Skokie, Illinois, 60077, United States of America ~72: ADAM ELHOFY;GRETA WODARCYK;MICHAEL BOYNE~ 33:US ~31:63/492,165 ~32:24/03/2023

2025/08570 ~ Complete ~54:COMBINATION THERAPIES WITH BI-SPECIFIC ANTI-EGFR/C-MET ANTIBODIES AND ANTI-PD-1 ANTIBODIES ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: BAIG, Mahadi;CURTIN, Joshua~ 33:US ~31:63/451,781 ~32:13/03/2023;33:US ~31:63/459,857 ~32:17/04/2023

2025/08538 ~ Provisional ~54:SURFACE CONTROL FOR PROJECTILE STABILITY ~71:OBERHOLSTER, Alliwyn Johannes, 1238 Breyer Ave, Waverley, South Africa ~72: OBERHOLSTER, Alliwyn Johannes~

2025/08546 ~ Complete ~54:SELF-LOCKING CONTAINER ASSEMBLY ~71:FAIRBAIRN ENGINEERING (PTY) LTD, Wildebosch Street 41, Paryskloof Estate, South Africa ~72: DOWNING, Jaco~

2025/08550 ~ Complete ~54:VORUCICLIB POLYMORPHS AND METHODS OF MAKING AND USING THEREOF ~71:MEI PHARMA, INC., 3611 Valley Centre Drive Suite 500 , San Diego, California, 92130, United States of America ~72: DAVID FRANK DUNCAN~ 33:US ~31:62/832,637 ~32:11/04/2019

2025/08560 ~ Complete ~54:PYRIDAZINE COMPOUNDS, THEIR PREPARATION, AND THEIR THERAPEUTIC USES ~71:SANOFI, 46 avenue de la Grande Armée, France ~72: LETALLEC, Jean-Philippe;MARGUET, Frank;PETIT, Frédéric;RONAN, Baptiste;TERRIER, Corinne~ 33:EP ~31:23305345.3 ~32:14/03/2023;33:EP ~31:23306724.8 ~32:06/10/2023

2025/08565 ~ Complete ~54:PRMT5 INHIBITORS AND USES THEREOF ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, California, 94404, United States of America ~72: ADAM J SCHRIER;BENJAMIN J JUNE;CHAO-I HUNG;CHIENHUNG CHOU;DANIEL ROA;ELBERT CHIN;GREGORY T NOTTE;JOSHUA D FARR;KATIE A SPENCE;LAURENT P DEBIEN;MEGAN K ARMSTRONG;PANCHAM LAL GUPTA;PRASENJIT K MUKHERJEE;SHAINA V NGUYEN;YIFAN DENG;ZHENG-YU YANG~ 33:US ~31:63/497,683 ~32:21/04/2023;33:US ~31:63/551,246 ~32:08/02/2024

2025/08568 ~ Complete ~54:ANTI-CD28 X ANTI-TROP2 ANTIBODIES ~71:XENCOR, INC., 465 North Halstead Street, Suite 200, Pasadena, California 91107, United States of America ~72: CHAOFANG TAN;DONG HYUN NAM;ERICA RODRIGUEZ;GREGORY MOORE;JONATHAN JACINTO;JUAN DIAZ;KENDRA N AVERY;MATTHEW J BERNETT;PATRICK ARPP;THUY B TRUONG;TODD ANZELON;WILLIAM Y YEH;YOON KYUNG KIM~ 33:US ~31:63/496,372 ~32:14/04/2023;33:US ~31:63/593,942 ~32:27/10/2023

2025/08574 ~ Complete ~54:CRYSTALLINE FORM ~71:AstraZeneca AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: CORNER, Philip Anthony~ 33:EP ~31:23161547.7 ~32:13/03/2023

2025/08575 ~ Complete ~54:USE OF BURNABLE ABSORBERS IN GRAPHITE MATRIX OF TRISO-FUELED COMPACTS IN NUCLEAR CORES ~71:Westinghouse Electric Company LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: KUCUKBOYACI, Vefa N.;LEVINSKY, Alex;MEANS, Keith W.;ROSKOFF, Nathan;SHEAFFER, Andrew J.~ 33:US ~31:18/299,588 ~32:12/04/2023

2025/08543 ~ Complete ~54:WIDE STEEL BOX GIRDER TRANSVERSE SPLICING COMPONENT WITH REINFORCEMENT STRUCTURE ~71:FUZHOU URBAN AND RURAL CONSTRUCTION GROUP CO., LTD., Jianzong Building, No. 136, Lianjiang South Road, Cangshan District, Fuzhou City, Fujian Province, 350007, People's Republic of China ~72: Chengsheng LIN;Cong GUO;Dongdong HAN;Lanlan HUANG;Longfei ZHU;Mingqing YANG;Zheng HUANG~ 33:CN ~31:2025220624285 ~32:25/09/2025

2025/08555 ~ Complete ~54:ADJUSTABLE BAFFLE FOR COATING HOOD FOR COATING GLASS CONTAINERS ~71:ARKEMA INC., 900 First Avenue, King of Prussia, United States of America ~72: NIHART, Jeremy J.~ 33:US ~31:63/458,688 ~32:12/04/2023

2025/08571 ~ Complete ~54:USE OF AN ANTI-TGFBETAR2/PD-1 BISPECIFIC ANTIBODY TO TREAT CANCER ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: ASATIANI, Ekaterine;SUN, Chifei;WANG, Liang-Chuan~ 33:US ~31:63/496,205 ~32:14/04/2023

2025/08536 ~ Provisional ~54:FERROALLOY SMELTING PROCESS ~71:GREYLING, Frederik Petrus, 13A Dolerite Crescent, Middelburg, South Africa ~72: GREYLING, Frederik Petrus~

2025/08542 ~ Complete ~54:A MOLD-PROOF, ANTIBACTERIAL, AND STORAGE-RESISTANT FISH AND SHRIMP FEED AND ITS PRODUCTION PROCESS ~71:Tongwei Agricultural Development Co., Ltd, No. 588, Middle Section of Tianfu Avenue, Gaoxin District, Chengdu City, Sichuan Province, Sichuan Province, People's Republic of China ~72: Cai Li;Mi Haifeng;Teng Tao;Yin Heng;Zhang Lu~ 33:CN ~31:202411942492.6 ~32:27/12/2024

2025/08549 ~ Complete ~54:(S)-(4,5-DIHYDRO-7H-THIENO[2,3-C]PYRAN-7-YL)-N-METHYLMETHANAMINE FOR TREATING NEUROLOGICAL AND PSYCHIATRIC DISORDERS ~71:SUMITOMO PHARMA AMERICA, INC., 84 Waterford Dr, Marlborough, MA 01752, United States of America ~72: CARRIE A BOWEN;COLLEEN M SYNAN;SETH CABOT HOPKINS~ 33:US ~31:63/009,595 ~32:14/04/2020;33:US ~31:63/039,722 ~32:16/06/2020

2025/08552 ~ Complete ~54:BOTTLE WITH WATER IN A CLOSED SYSTEM TO BE COUPLED TO AN ENTERAL FEEDING SET AND ITS RESPECTIVE USE ~71:Adriana Amaro Alves de Carvalho, Rua São Francisco Xavier, 889, Apt. 402, Rio de Janeiro – RJ, 20550011, Brazil ~72: Adriana Amaro Alves de Carvalho~

2025/08559 ~ Complete ~54:LIGHTWEIGHT AND HIGH-POWER PUMP SOURCE ~71:Jiangsu JITRI Photonics Intelligent Equipment Co., Ltd, A2, No. 82 Guangzhou East Road, Taicang High-Tech Industrial Development Zone, Suzhou, Jiangsu, 215488, People's Republic of China ~72: CHEN Xu;SUN Kexiong;TANG Chunwei;ZHANG Jun~ 33:CN ~31:202510039845.X ~32:10/01/2025

2025/08569 ~ Complete ~54:ANTI-CD28 X ANTI-ENPP3 ANTIBODIES ~71:XENCOR, INC., 465 North Halstead Street, Suite 200, Pasadena, California 91107, United States of America ~72: ALEX NISTHAL;CHAOFANG TAN;ERNESTO DELGADO;GREGORY MOORE;PATRICK ARPP;RUMANA RASHID;SUZANNE SCHUBBERT~ 33:US ~31:63/496,367 ~32:14/04/2023

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2025/08582 ~ Provisional ~54:CAR KEY FINDER ~71:Ramahlale, 101 KOLJANDER AVENUE, South Africa ~72: MR RAMAHLALE PHENYO MANGABA~

2025/08586 ~ Provisional ~54:PORTABLE ROOF BOLTING MACHINE ~71:Johannes Jacobus Naude, 12 Arend avenue, South Africa ~72: Johannes Jacobus Naude~

2025/08587 ~ Provisional ~54:INFRASTRUCTURE MONITORING SYSTEM ~71:RAIL INTEGRATED INCOME LOSS PREVENTION SERVICES (PTY) LTD, 3 Lepelhout Street, SE3,, South Africa ~72: THERON, Johannes Gerhard;VERLOOP, Leonardus Gerrardus Philippus~

2025/08591 ~ Complete ~54:A WATER-SAVING SOWING METHOD FOR MAIZE UTILIZING SUBSURFACE DRIP IRRIGATION WITH INTEGRATED WATER PRESSURE, WATER VOLUME, AND SOIL MOISTURE MONITORING FOR SEED MOISTENING ~71:Hengshui University, No. 1088 Heping West Road, Hengshui City, Hebei Province, 053000, People's Republic of China;Key Laboratory of Crop Drought Resistance Research of Hebei Province / Institute of Dryland Farming, Hebei Academy of Agriculture and Forestry Sciences, No.1966, Shengli Road, Hengshui City, Hebei Province, 053000, People's Republic of China ~72: Caiyun Cao;Chunlian Zheng;Dan Liu;Hongkai Dang;Huiguang Wang;Kejiang Li;Xiaoshuang Li;Xuetong Liu;Yudong Zheng~

2025/08593 ~ Complete ~54:MEDICATION DISPENSING DEVICE FOR COMPOUNDING CENTER ~71:Qingdao Central Hospital, University of Health and Rehabilitation Sciences (Qingdao Central Hospital), No. 127, Siliu South Road, Shibei District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: Chunquan SONG;Xujie ZHAO~ 33:CN ~31:2025113586758 ~32:23/09/2025

2025/08603 ~ Complete ~54:METHOD FOR EXTRACTING KETONES AND ESTERS FROM GINKGO LEAVES, AND PRODUCT AND USE THEREOF ~71:Anhui Science And Technology University, No.9 Donghua Road, Fengyang County, Chuzhou, Anhui, 233100, People's Republic of China ~72: DOU Jinfeng;GUO Zhenchao;WANG Haibo;YAN Luyu;YANG Qingliu;YU Weijuan;ZHANG Wenjie;ZHANG Xinyong~ 33:CN ~31:2024104013748 ~32:03/04/2024

2025/08606 ~ Complete ~54:ISOLATED TRANSPOSASE AND USE THEREOF ~71:BEIJING ASTRAGENOMICS TECHNOLOGY CO., LTD., F/1, No.16F Block, North Area of Yonyou Industrial Park, No.68 Beiqing Road, People's Republic of China ~72: SHI, Chengxi;WEI, Ting;YU, Daqi;ZHAO, Chen~ 33:CN ~31:202310304787.X ~32:27/03/2023

2025/08612 ~ Complete ~54:MRGPRX2 INHIBITORS AND METHODS OF USE THEREOF ~71:Septerna, Inc., 250 East Grand Avenue, Suite 65, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: AYDIN, Deniz;MCKERRALL, Steven J.;RAUB, Andrew Goodwin;VOLGRAF, Matthew~ 33:US ~31:63/462,418 ~32:27/04/2023;33:US ~31:63/546,090 ~32:27/10/2023;33:US ~31:63/614,730 ~32:26/12/2023

2025/08584 ~ Provisional ~54:LINKGUARD-P1-25JAN ~71:Msebetsi Solutions Pty ltd, 4 Barlinka Street, South Africa;Tshepho, 14 Maple Ridge Estate, South Africa ~72: Tshepho Nkoe~

2025/08588 ~ Provisional ~54:SYSTEM FOR RECORDING THE AUDIENCE OF A MEDIA ~71:Matthew Ralph ANGUS, Swansea Farm, Yellow Sands Road, Kwelerha, South Africa;Navid ERFANI-GHADIMI, 47 Via Concetta, Tre Donne Country Estate, South Africa ~72: Matthew Ralph ANGUS;Navid ERFANI-GHADIMI~

2025/08578 ~ Provisional ~54:DIGITAL RECEIPT DELIVERY AND MANAGEMENT SYSTEM FOR RETAIL TRANSACTIONS ~71:Henry Allan Peterson, 6 Peers Drive, South Africa ~72: Henry Allan Peterson~

2025/08580 ~ Provisional ~54:ULTRASONIC-ASSISTED SOXHLET EXTRACTION SYSTEM WITH TUNABLE FREQUENCY CONTROL AND INTEGRATED DUAL-SOLVENT CAPABILITY ~71:BioMuti (Pty) Ltd, 1 Oosterland Avenue, 170 Waterford View Estate, Bloubosrand, South Africa ~72: Kobus Kruger;Tebogo Gaster Tlhopane~

2025/08611 ~ Complete ~54:POUCH WITH CROSSLINKED ALGINATE ~71:Fertin Pharma A/S, Dandyvej 19, VEJLE 7100, DENMARK, Denmark ~72: STAHL, My Ly Lao~ 33:DK ~31:PA202370168 ~32:03/04/2023

2025/08613 ~ Complete ~54:IMLUNESTRANT OR SALTS THEREOF FOR USE IN TREATING AND PREVENTING CENTRAL NERVOUS SYSTEM (CNS) METASTASES IN SUBJECTS HAVING ER+ BREAST CANCER ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: CAPEN, Andrew Roy;CASTANARES, Mark;DOWLESS, Michele Suzanne;GONG, Xueqian;HUBER, Lysiane;KLIPPEL-GIESE, Anke;PUCA, Loredana;RODRIGUEZ CRUZ, Vivian;VANDE KOPPLE, Matthew James~ 33:US ~31:63/500,437 ~32:05/05/2023

2025/08617 ~ Complete ~54:MODIFIED REP-CAP PLASMIDS AND USES THEREOF ~71:DECIBEL THERAPEUTICS, INC., c/o Regeneron Pharmaceuticals, Inc. 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: KEVIN LEBO;NOAH DRUCKENBROD;SANDRA DANIELLE ABBOTT;TYLER GIBSON~ 33:US ~31:63/456,632 ~32:03/04/2023;33:US ~31:63/545,351 ~32:23/10/2023

2025/08579 ~ Provisional ~54:ELEVIX COMPRESSOR JACK, REMOTE ~71:Athuxolo Makambi, 83 Edgar Rd, Eveleigh, Upper East Side, South Africa ~72: Athuxolo Makambi~

2025/08592 ~ Complete ~54:CONTEMPORARY LITERARY WORK MANAGEMENT SYSTEM FOR LIBERAL ARTS TEACHING ~71:Yancheng Teachers University, No.2, Hope Avenue South Road, Yancheng Economic

and Technological Development Zone, Yancheng City, Jiangsu Province, 224007, People's Republic of China ~72: YAO Hongbing;ZHOU Yinyin~ 33:CN ~31:2025112867330 ~32:10/09/2025

2025/08596 ~ Complete ~54:LARGE-SCALE OFF-LINE RESTORATION DEVICE FOR SEAWATER DESALINATION ULTRAFILTRATION MEMBRANES ~71:Lirun Technology (Tianjin) Co., Ltd., 5-1-709, Tianjin Science and Technology Plaza, West Side of Keyan East Road, Nankai District, Tianjin, People's Republic of China;Tianjin Meitianshui Environmental Technology Co., Ltd., Room 510, 3rd Floor, No. 110-6 and No. 113, Nankai Second Road, Nankai District, Tianjin, People's Republic of China ~72: CAI Cheng;GE Cheng;KE Yongwen;LIANG Chuanhao;LIU Chunyang;WANG Baoyuan;WU Xiuli;XU Liang;YU Hao~

2025/08600 ~ Complete ~54:DUPLEX FLUORESCENT QUANTITATIVE PCR PRIMER-PROBE SET, KIT, AND METHOD FOR DIFFERENTIATING LSDV VACCINATION FROM WILD-TYPE LSDV INFECTION ~71:Huazhong Agricultural University, No. 1 Shizishan, Hongshan District, Wuhan City, Hubei Province, 430072, People's Republic of China ~72: LI, Jiakui;LI, Yan;LIN, Zhengrong;LU, Yaozhong;MU, Siyang;XU, Meng'en;YU, Manyang;YUAN, Haofang;ZHANG, Xiaohu~

2025/08609 ~ Complete ~54:ANTIGEN-BINDING PROTEIN FOR HCLDN6 AND USE THEREOF ~71:Axcynsis Therapeutics Pte. Ltd., 41 Science Park Road, #04-18, The Gemini, SINGAPORE 117610, SINGAPORE, Singapore ~72: DU, Ping;LIU, Shaojun;ZHONG, Chen;ZOU, Bin~ 33:CN ~31:202310491221.2 ~32:30/04/2023;33:CN ~31:202311138622.6 ~32:05/09/2023;33:CN ~31:202410173800.7 ~32:07/02/2024

2025/08621 ~ Provisional ~54:SINGLE USE DENTAL FLOSS PACKET AND DISTRIBUTION SYSTEM ~71:FLOSSED UP SOLUTION, 51 LYNNWOOD RD, South Africa ~72: Ayanda Kgothatso Mamatela~ 33:ZA ~31:N/A ~32:10/10/2025

2025/08581 ~ Provisional ~54:PH RESPONSE EDIBLE PET TREAT CONTAINING POSTBIOTIC COMPOSITION AND VISUAL SALIVA INDICATOR AS A WELLNESS RESPONSE ~71:Eden Padayachee, 559 De Zicht Apartments, South Africa ~72: EDEN REBECCA PADAYACHEE~ 33:ZA ~31:000000/00000 ~32:11/10/2025

2025/08595 ~ Complete ~54:METHOD AND SYSTEM FOR REGULATING HYDROGEN LEAKAGE CONCENTRATION IN HYDROGEN REFUELING STATION ~71:Huzhou Vocational and Technical College, No.3999, Chuangye Avenue, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: NIAN Xinzhe~

2025/08620 ~ Provisional ~54:AXISTRADE AFRICA MINING SOFTWARE ~71:Rosemary, 10 Punters Way, South Africa ~72: Tommy Bompeti~ 33:ZA ~31:1 ~32:10/10/2025

2025/08583 ~ Provisional ~54:DECENTRALISED WORKFORCE VERIFICATION AND REPUTATION SYSTEM USING IMMUTABLE TASK RECORDS AND DUAL REPUTATION METRICS (GAP AND IKS POINTS) ~71:AgriiLabs Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/08585 ~ Provisional ~54:PORTABLE RAPID FLOOR DRYING APPARATUS ~71:Tashriq Kensen, 31 Naruna Crescent, South Africa ~72: Tashriq Kensen~

2025/08589 ~ Complete ~54:PHENYL-DIHYDROTHIAZOLYL BENZIMIDAZOLE COMPOUND, PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHENG Meidie;GUO Yan;LI Bingbing;YE Yanxin;ZHI Shuangcheng;ZHU Tao~ 33:CN ~31:2025113108489 ~32:12/09/2025

2025/08590 ~ Complete ~54:BLOATING TREATMENT DEVICE FOR STIMULATING THE ANORECTAL TRACT ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No.149, Dalian Road, Zunyi City, Guizhou Province, People's Republic of China;GUIZHOU PROVINCIAL PEOPLE'S HOSPITAL, No.52, Shidong Road, Nanming District, Guiyang City, Guizhou Province, People's Republic of China;Zunyi Medical and Pharmaceutical College, No.8, North Section of Ping 'an Avenue, Xinpu New District, Zunyi City, Guizhou Province, People's Republic of China ~72: Fuqing Li;Haitao Jiang;Xinglan Wang~ 33:CN ~31:2025113610174 ~32:23/09/2025

2025/08597 ~ Complete ~54:APPLICATION OF STRAIN OF BACILLUS SIAMENSIS XY2 IN PREVENTING AND CONTROLLING PLANT DISEASES ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Jianhua;HAN Meizi;LI Taotao;LIAO Chunli;LIU Dongxiao;LIU Xidie;TANG Ganlin;WANG Lianzhe;WANG Xianyang;ZHANG Huamin;ZHAO Mei;ZHOU Jiangnan;ZHU Yutao~

2025/08604 ~ Complete ~54:A COMPOSITE PHOTOVOLTAIC CABLE ~71:AMNACK LIMITED, Millfields Industrial Estate, Arksey Lane, Bentley, United Kingdom ~72: WALSTOW, Aaron~ 33:GB ~31:2305747.4 ~32:19/04/2023

2025/08615 ~ Complete ~54:METHOD FOR THE PREPARATION OF MIXED RARE EARTH METAL CARBONATES FROM MONAZITE ~71:TÉCNICAS REUNIDAS, S.A., Avenida de Burgos, 89, Adequa - Edificio 6, E-28050, Madrid, Spain ~72: CARLOS ÁLVAREZ CARREÑO;MARIA FRADES TAPIA;Mª TERESA PINEDO GONZÁLEZ;PILAR LERET MOLTÓ~ 33:EP ~31:23382237.8 ~32:14/03/2023

2025/08619 ~ Complete ~54:PROTECTIVE HOOD FOR MEDICAL USE, HAVING A LENS HAVING ONE OR MORE REMOVABLE LAYERS ~71:THI TOTAL HEALTHCARE INNOVATION S.R.L., Via della Produzione 5, 00030, San Cesareo RM, Italy ~72: GIORGIO ROSATI;LORENZO SECCO~ 33:IT ~31:102023000007164 ~32:14/04/2023

2025/08599 ~ Complete ~54:EXPERIMENTAL DEVICE FOR SIMULATING TUNED LIQUID DAMPER'S EQUAL-AMPLITUDE OSCILLATING FLOW AND ENERGY UTILIZATION THEREOF ~71:Tianjin University, No.135 Yaguan Road, Jinnan District, Tianjin, 300354, People's Republic of China ~72: DUAN Qinghao;LI Zhenmian;YU Yang;ZHANG Haoxi~

2025/08601 ~ Complete ~54:AUXILIARY SUPPORT STRUCTURE FOR SPORTS EQUIPMENT ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, People's Republic of China ~72: BAI, Yunfan;HU, Xiaojun;ZHU, Zhicheng~

2025/08608 ~ Complete ~54:INSECT-RESISTANT AND GLYPHOSATE-TOLERANT TRANSGENIC CORN EVENT KJ1003 AND DETECTION METHOD THEREOF ~71:CROPEDIT BIOTECHNOLOGY INC., No.27, Life Science Park Road, Changping District, People's Republic of China ~72: DONG, Qiuping;DONG, Yufeng;LI, Xianggan;LI, Yingying;PEI, Ruili;QI, Youlin;REN, Haicui;SONG, Zhe;TIAN, Aiju;WANG, Changcheng;WANG, Dongmei;WANG, Jinyu;WU, Yechun;ZHANG, Lei~ 33:CN ~31:202310292572.0 ~32:23/03/2023;33:CN ~31:202310319438.5 ~32:29/03/2023

2025/08618 ~ Complete ~54:COMPOSITE SINTER ~71:ITM POWER (TRADING) LIMITED, 2 Bessemer Park, Sheffield, S9 1DZ, United Kingdom ~72: FREDERIC MARCHAL~ 33:GB ~31:2304879.6 ~32:31/03/2023

2025/08598 ~ Complete ~54:ASSEMBLED NEW ENERGY HEAT PUMP ENERGY STATION ~71:HEBI SURVEY, DESIGN AND TECHNICAL CONSULTING SERVICE CENTER, No. 18, Haitang Lane, Qibin District, Hebi City, Henan Province, 458030, People's Republic of China;HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CUI Qiuna;DONG Yunxia;NIU Zhehui;PANG Kaige;SHI Lei;SHI Xiangyang~

2025/08602 ~ Complete ~54:SOLID WASTE-BASED SELF-INSULATING WALL MATERIAL AND PREPARATION METHOD THEREOF ~71:Yangtze Normal University, No. 16, Juxian Avenue, Fuling District, Chongqing, 408100, People's Republic of China ~72: YAO, Shuang;ZHAO, Liang~ 33:CN ~31:202411443224.X ~32:16/10/2024

2025/08605 ~ Complete ~54:AUTOMATED METHOD AND SYSTEM FOR SCANNING, DETECTING AND EXAMINING PERFORATIONS IN A ROCK FACE ~71:ENAEX SERVICIOS S.A., El Trovador 4253, Chile ~72: BARRIGA MELGAREJO, Jonhatan Octavio;CALVO SANCHEZ, Martin Eduardo;CORREA PEREZ, Mauricio Alfredo;LARA MARRO, Gloria del Pilar;LONCOMILLA ZAMBRANA, Patricio Alejandro;MIRANDA LORCA, Rodrigo Andrés;PARRA TSUNEKAWA, Sebastian Isao;RUIZ DEL SOLAR SAN MARTIN, Javier;RUIZ HERNÁNDEZ, Marco Antonio~

2025/08607 ~ Complete ~54:SURFACE-ACTIVE AGENT ~71:ECONIC TECHNOLOGIES LTD, Block 19s, Alderley Park, United Kingdom ~72: BLACKBURN, Anthea;KEMBER, Michael;WILLIAMS, Charlotte~ 33:GB ~31:2306045.2 ~32:25/04/2023

2025/08610 ~ Complete ~54:MONORAIL INSTALLATION DEVICE ~71:Sandvik Mining and Construction G.m.b.H., Alpinestrasse 1, ZELTWEG 8740, AUSTRIA, Austria ~72: RIEGER, Hubert~

2025/08614 ~ Complete ~54:FULLY MODIFIED MIR-34A AND RELATED CONJUGATES, COMPOSITIONS AND METHODS OF USE ~71:Purdue Research Foundation, 101 Foundry Drive, Suite 2500, WEST LAFAYETTE 47906, IN, USA, United States of America ~72: ABDELAAL, Ahmed Mansour Abdelbaky;KASINSKI, Andrea;SOHAL, Ikjot Singh~ 33:US ~31:63/454,177 ~32:23/03/2023

2025/08616 ~ Complete ~54:ATTRIBUTE-BASED BLOCK MODEL STORAGE ~71:LEICA GEOSYSTEMS AG, Heinrich-Wild-Strasse 201, 9435, Heerbrugg, Switzerland ~72: MICHAEL D SCHRAG~ 33:US ~31:18/188,347 ~32:22/03/2023

2025/08622 ~ Provisional ~54:COGNITIVE COMMERCE OS - A FRAMEWORK FOR SIMULATION DRIVEN GOVERNANCE AND AUTOMATION IN DIGITAL COMMERCE SYSTEMS ~71:Michelle Swanepoel, 285 Wanda Cele Road, 34 Zulwini Gardens, South Africa ~72: Michelle Swanepoel~

2025/08594 ~ Complete ~54:SYSTEM FOR RECOGNIZING USER PREFERENCE FOR ENVIRONMENT BASED ON INTERFERENCE FACTOR FILTRATION ~71:Research Institute of Forestry Policy and Information,Chinese Academy of Forestry, No 2 Dongxiaofu, Haidian District, Beijing, 100091, People's Republic of China ~72: Bing YE;Zhiyong ZHANG~

. - APPLIED ON 2025/10/14 -

2025/08628 ~ Complete ~54:BLOATING TREATMENT DEVICE FOR STIMULATING THE ANORECTAL TRACT ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No.149, Dalian Road, Zunyi City, Guizhou Province, People's Republic of China;GUIZHOU PROVINCIAL PEOPLE'S HOSPITAL, No.52, Shidong Road, Nanming District, Guiyang City, Guizhou Province, People's Republic of China;Zunyi Medical and Pharmaceutical College, No.8, North Section of Ping 'an Avenue, Xinpu New District, Zunyi City, Guizhou Province, People's Republic of China ~72: Fuqing Li;Haitao Jiang;Xinglan Wang~ 33:CN ~31:2025113610812 ~32:23/09/2025

2025/08636 ~ Complete ~54:HERBAL TEA WITH THERAPEUTIC AND HEALTH PROMOTING PROPERTIES, AND PREPARATION METHOD AND USE THEREOF ~71:ZHANG JINWEN, 152 Mingxi West Road, Xixiangtang District,Guangxi Zhuang Autonomous Region, People's Republic of China ~72: ZHANG, Jinwen~

2025/08642 ~ Complete ~54:RESISTOR-LESS PRE-CHARGING TECHNIQUES ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: QATTUM, Basheer;YU, Dachuan~ 33:US ~31:18/134,099 ~32:13/04/2023

2025/08646 ~ Complete ~54:MANUFACTURING METHOD FOR A METALLIC PART AND ASSOCIATED METALLIC PART ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Florent ALLAIRE;Jean-Marc DEVIN;Nicolas SCHNEIDER;Patrick DUROUX~ 33:IB ~31:PCT/IB2023/054982 ~32:15/05/2023

2025/08624 ~ Provisional ~54:SUB-SURFACE IRRIGATION DEVICE ~71:CLARKE, Richard Enslin, PO Box 315, South Africa ~72: CLARKE, Richard Enslin~

2025/08648 ~ Complete ~54:SPECULATIVE DECODING IN AUTOREGRESSIVE GENERATIVE ARTIFICIAL INTELLIGENCE MODELS ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: JEON, Wonseok;LEE, Mingu;LOTT, Christopher;MEMISEVIC, Roland~ 33:US ~31:63/460,850 ~32:20/04/2023;33:US ~31:18/538,912 ~32:13/12/2023

2025/08651 ~ Complete ~54:CABLE BUSHING ~71:KSB SE & Co. KGaA, Johann-Klein-Straße 9, FRANKENTHAL 67227, GERMANY, Germany ~72: HAUCK, Dr. Patrick;MEYER, Robert;OLTMANN, Stefan~ 33:DE ~31:10 2023 111 030.6 ~32:28/04/2023

2025/08658 ~ Complete ~54:PRESSURE-TEMPERATURE PORT CONNECTIONS FOR HEAT-TRANSFER DEVICES ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, Pennsylvania, 18040-6714, United States of America ~72: ANDREW MICHAEL CIASULLI~ 33:US ~31:63/464,838 ~32:08/05/2023

2025/08639 ~ Complete ~54:TREM COMPOSITIONS AND METHODS OF USE ~71:FLAGSHIP PIONEERING INNOVATIONS VI, LLC, 55 Cambridge Parkway, 8th Floor Suite 800E, United States of America ~72: ANASTASSIADIS, Theonie;ARCADIA, Christopher, E.;CHUNG, Christina;EICHHORN, Stephen, William;GLAZIER, Daniel, Abraham;KIESMAN, William, F.;SETHIA, Komal;YU, Hongchuan~ 33:US ~31:63/458,891 ~32:12/04/2023;33:US ~31:63/458,894 ~32:12/04/2023;33:US ~31:63/458,911 ~32:12/04/2023

2025/08654 ~ Complete ~54:SOFTWARE QUALITY DETECTION METHODS, SYSTEMS, AND STORAGE MEDIA ~71:JIANGSU XCMG STATE KEY LABORATORY TECHNOLOGY CO., LTD., No. 26, Tuolanshan Road, Economic Development Zone, Xuzhou, Jiangsu, 221004, People's Republic of China ~72: BIN WANG;GUOWEI YUAN;HANSHUANG LI;MEINA WANG;YANG LI~ 33:CN ~31:202311575155.3 ~32:23/11/2023

2025/08632 ~ Complete ~54:AN INDOOR POSITIONING METHOD FOR UNMANNED AERIAL VEHICLES BASED ON STEPWISE FEATURE MATCHING ALGORITHM ~71:Changsha University of Science and Technology, No.45, Chiling Rd, Tianxin District, Changsha, Hunan, P.R., 410114, People's Republic of China ~72: He Yong;Huang Yukeng;Kou Weiyi;Li Shuang;Shen Jiahao;Xu Li;Zhang Meng~

2025/08653 ~ Complete ~54:BONE TRANSPORT SYSTEM AND METHODS ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy;TEXAS SCOTTISH RITE HOSPITAL FOR CHILDREN, 2222 Welborn Street, United States of America ~72: CHERKASHIN, Alexander;OTTOBONI, Andrea;ROSS, John David;SAMCHUKOV, Mikhail L.;STANDEFER, Karen Divita;VENTURINI, Daniele~ 33:US ~31:63/506,888 ~32:08/06/2023;33:US ~31:18/733,649 ~32:04/06/2024

2025/08662 ~ Provisional ~54:“FUELPASS: AN INTEGRATED FUEL COST ESTIMATION AND LOCKED WALLET SYSTEM WITH REAL-TIME TRANSACTION INTELLIGENCE FOR BANKING APPLICATIONS

~71:ZeusTech (Pty) Ltd, 11 Cerulean Crescent BlueDowns, South Africa ~72: OGHENETEGA BLONDY OBEBEDUO~

2025/08657 ~ Complete ~54:FUNGICIDAL ARYL AMIDINES ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: ADRIAN TLAHUEXT-ACA;ALEX M NOLAN;BRIAN A LOY;CRUZ AVILA-ADAME;ERIC WIENSCH;JULIET M PITCHER;STACY T MEYER;VASUDEV BHONDE~ 33:US ~31:63/501,465 ~32:11/05/2023

2025/08623 ~ Provisional ~54:HYDROSTATIC PRESSURE GRADIENT POWER & WATER GENERATION SYSTEM (HPGPP) ~71:TSP INVENTIONS PTY LTD, 4th Crescent Street, House 2800, South Africa ~72: Thapelo Mbokane~

2025/08625 ~ Provisional ~54:SA CHAMPIONS NETWORK ~71:Nikolaus Eberl, 44 Melrose Boulevard (att Postnet), South Africa ~72: Dr Nikolaus Eberl~

2025/08633 ~ Complete ~54:FORMULATED FERTILIZER FOR PROMOTING GROWTH AND RECOVERY OF RICE SEEDLINGS AFTER FLOODING STRESS ~71:Yangzhou University, No. 88, South University Road, Yangzhou, People's Republic of China ~72: Guanglong ZHU;Guisheng ZHOU;Han FEI;Qingsong ZUO;Tianjie LEI;Wanjie LIANG;Weicheng BU;Xinguo ZHOU~ 33:CN ~31:202511187882.1 ~32:22/08/2025

2025/08644 ~ Complete ~54:METHODS AND SYSTEMS FOR GREENHOUSE GAS CAPTURE AND SEQUESTRATION UTILIZING DIRECT AIR CAPTURE ~71:CARBON GEOCYCLE INC., 1525 Industry Dr. Laramie, United States of America ~72: POPE, John~ 33:US ~31:63/459,918 ~32:17/04/2023

2025/08649 ~ Complete ~54:PRINTABLE PLASTICS FILM FOR PRODUCTION OF SECURITY DOCUMENTS ~71:Covestro Deutschland AG, Kaiser-Wilhelm-Allee 60, LEVERKUSEN 51373, GERMANY, Germany ~72: DEIVARAJ, Theivanayagam;HENTSCHEL, Daniel;JANKE, Stefan;KOEHLER, Chrostoph;KUENZEL, Roland;SCHMEER, Holger;TZIOVARAS, Georgios~ 33:EP ~31:23176022.4 ~32:30/05/2023

2025/08655 ~ Complete ~54:METHOD FOR PRODUCING OBJECTS ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: DAVIDE ZANOTTI;ELEONORA BALDUCCI;FABRIZIO PUCCI;FIORENZO PARRINELLO;FRANCESCO PIRAZZOLI;GIOVANNI MAZZOTTI~ 33:IT ~31:102023000008934 ~32:05/05/2023

2025/08656 ~ Complete ~54:COMBINATION OF ANTIBODY-DRUG CONJUGATE AND ANTI-PD-1 ANTIBODY, AND USE THEREOF ~71:GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD., 5th Floor, Building D, No. 398, Ruoshui Rd., Suzhou Industrial Park, Suzhou, Jiangsu, 215123, People's Republic of China ~72: GANG QIN;PAUL H. SONG;YAJUN SUN~ 33:CN ~31:PCT/CN2023/088101 ~32:13/04/2023

2025/08626 ~ Provisional ~54:ESP (EXIT STRATEGY PROGRAM) FOR INDIVIDUALS LIVING WITH INTELLECTUAL DISABILITIES AND LEANING BARRIERS: DATA-DRIVEN SUPPORT AND ENTREPRENEURSHIP MATCHING SYSTEM (DDS:EMS) ~71:Black Men Working (Pty) ltd, stand no 2072, South Africa ~72: George Modau;Tendamudzimu Paulinah Mavhetha~

2025/08637 ~ Complete ~54:RENEWABLE FUEL SYNTHESIS SYSTEM AND METHOD ~71:METHYLENNIUM ENERGY CORP., 7712 Willow Point Dr., Falls Church, Virginia 22042, United States of America ~72: LYUBOVSKY, Maxim;REARDON, John~ 33:US ~31:63/461,524 ~32:24/04/2023

2025/08641 ~ Complete ~54:HYDROGEN FUEL CELL COOLING ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: KROEHLER, Zachary;KUDUMULA, Pavan Kumar Reddy;SAKARAY, Umakanth~ 33:US ~31:18/299,940 ~32:13/04/2023

2025/08643 ~ Complete ~54:NOVEL TAG FOR LIQUID-PHASE PEPTIDE SYNTHESIS ~71:CORDENPHARMA INTERNATIONAL GMBH, Otto-Hahn-Straße, Germany ~72: ALBERICIO, Fernando;GIRAUD, Matthieu;HELLRIEGEL, Laura;HOGENKAMP, Fabian;HÜTTENSCHMIDT, Mareike;KRAMER, Tim;MARDER, Oleg~ 33:EP ~31:23162993.2 ~32:20/03/2023

2025/08861 ~ Provisional ~54:TEKETE SAFE SPACE APP ~71:Matau Andronica Ramapuputla, 14787 Mamelodi East,Thutlwane Street, South Africa ~72: Matau Andronica Ramapuputla~

2025/08652 ~ Complete ~54:METHOD, APPARATUS, AND DEVICE FOR DETERMINING PROTECTION OVERLAP OF TRAIN ROUTE, AND STORAGE MEDIUM ~71:Hunan CRRC Times Signal & Communication Co., Ltd., Building 9, Central Zhigu, No.189, Section 2, Renmin East Road, Changsha Economic and Technological Development Zone, CHANGSHA 410000, HUNAN, CHINA (P.R.C.), People's Republic of China ~72: GAO, Xuejuan;LI, Xinrou;LIU, Ze;QIN, Yexiao;SHAO, Xiaobin;SHI, Haoran;WANG, Fuyuan;XIONG, Wenmeng;XU, Jintao~ 33:CN ~31:202410264423.8 ~32:08/03/2024

2025/08659 ~ Complete ~54:PRODUCTS OF MANUFACTURE AND THERAPEUTIC COMPOSITIONS FOR TREATING, AMELIORATING OR PREVENTING VIRAL INFECTIONS AND METHODS FOR MAKING AND USING THEM ~71:TOPELIA AUST LIMITED (ACN 652 771 670), Level 1, 229 Great North Road, Australia ~72: BORODY, Thomas Julius~ 33:US ~31:63/452,399 ~32:15/03/2023

2025/08627 ~ Provisional ~54:VERIMEDIX PLUS UNIFIED BIOMETRIC HEALTHCARE CLAIM SYSTEM ~71:VeriMedix Plus(PTY)Ltd, 2958 Ext 7 Jouberton, South Africa;VeriMedix Plus(PTY)Ltd, 2958 Ext 7, South Africa ~72: Lucky Eric Serape~

2025/08630 ~ Complete ~54:LONG-TERM SAFE AND STABLE METHOD FOR CENTRALIZED TREATMENT OF URANIUM TAILINGS AND WASTE ROCKS ~71:BEIJING RESEARCH INSTITUTE OF CHEMICAL ENGINEERING AND METALLURGY, No. 145, Jiukeshu, People's Republic of China;YUNNAN RADIATION ENVIRONMENTAL SUPERVISION STATION, No. 27, Xiyuan South Road, People's Republic of China ~72: BI, Cunde;GAO, Jie;HU, Penghua;JIANG, Guoping;NIU, Jie;PENG, Yang;XU, Lechang;ZHOU, Lei~

2025/08634 ~ Complete ~54:MEDICAL POLYMER NANO RADIATION SHIELDING PLATE ~71:Hunan Kangningda Medical Technology Co., Ltd., No. 5 Feige Road, Yisuhe Town, Xiangtan County, Xiangtan City, Hunan Province, People's Republic of China ~72: LU Tianyu;TANG Zheng;WU Guandong~ 33:CN ~31:2024115464271 ~32:01/11/2024

2025/08635 ~ Complete ~54:PREPARATION METHOD FOR DENGUE POLYPEPTIDE VACCINE AND USE THEREOF ~71:ARMY MEDICAL UNIVERSITY, Gaotanyan Str. 30, Shapingba District, People's Republic of China ~72: DING, Xiaoyan;HE, Jiuxiang;HUA, Dong;LI, Jintao;LIU, Minchi;XIAO, Wen;XU, Li;ZHAO, Jing~

2025/08631 ~ Complete ~54:A THREE-DIMENSIONAL MODELING METHOD FOR COAL SEAMS BASED ONBOREHOLE DATA AND COAL SEAM FLOOR CONTOUR LINES ~71:Institute of Geology, China Earthquake Administration, No. 1 Huayanli, Chaoyang, District, Beijng, 100029, People's Republic of China ~72: Guo Zhaowu;Lu Renqi;Song Xiaoxia;Wang Kang;Wang Pengfei~

2025/08640 ~ Complete ~54:METHODS AND COMPOSITIONS FOR IMPROVING YIELD CHARACTERISTICS IN PLANTS ~71:MONSANTO TECHNOLOGY LLC, 800 North Lindbergh Boulevard, United States of America;PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of America ~72: MATHEW, Lolita George;SLEWINSKI, Thomas Louis;TARAMINO, Graziana~ 33:US ~31:63/502,987 ~32:18/05/2023

2025/08645 ~ Complete ~54:MANUFACTURING METHOD FOR A METALLIC PART AND ASSOCIATED METALLIC PART ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Denis JACQUET;Jean-Marc DEVIN;Michel SANADRES;Nicolas SCHNEIDER;Patrick DUROUX;Vincent LAFILÉ~ 33:IB ~31:PCT/IB2023/054981 ~32:15/05/2023

2025/08647 ~ Complete ~54:SPECULATIVE DECODING IN AUTOREGRESSIVE GENERATIVE ARTIFICIAL INTELLIGENCE MODELS ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: JEON, Wonseok;LEE, Mingu;LOTT, Christopher;MEMISEVIC, Roland~ 33:US ~31:63/460,850 ~32:20/04/2023;33:US ~31:18/538,965 ~32:13/12/2023

2025/08650 ~ Complete ~54:NOVEL TRIMETAZIDINE SOLID PHASES ~71:Les Laboratoires Servier, 35 rue de Verdun, SURESNES CEDEX 92284, FRANCE, France ~72: MAHIEUX, Julien;VILLARD, Frédéric~ 33:EP ~31:23315089.5 ~32:20/04/2023

2025/08629 ~ Complete ~54:ANTIOXIDANT SLEEP-PROMOTING CISTANCHE DESERTICOLA TEA AND PREPARATION METHOD THEREOF ~71:Xinjiang Mahe Ecological Farm Co., Ltd., No. 17, Wangjiazhuang Village, Lanzhouwan Town, Manasi County, Changji Hui Autonomous Prefecture, Xinjiang, People's Republic of China ~72: Fensheng Wu;Jing Wu;Jinping Liao;Jun Wu;Lihui Xiang;Longlong Ding;Shibin Cheng;Tingting Jiang;Yanjing Cong;Yihua Wu~

2025/08638 ~ Complete ~54:PHARMACEUTICAL FORMULATIONS CONTAINING ANTI-OX40L ANTIBODIES ~71:KYMAB LIMITED, The Bennet Building (B930), Babraham Research Campus, United Kingdom ~72: BADIALI, Luca;ENGELKE, Laura;GOODING, Tamera;GUPTA, Ashi;JERE, Dhananjay;JÖRG, Susanne;PATKE, Sanket;ZHU, Chen~ 33:EP ~31:23168134.7 ~32:14/04/2023;33:EP ~31:23168136.2 ~32:14/04/2023

. - APPLIED ON 2025/10/15 -

2025/08679 ~ Complete ~54:METHOD FOR ACQUIRING THREE-DIMENSIONAL SPATIAL POSITION AND ATTITUDE OF A SHIP HULL ~71:DALIAN MARITIME UNIVERSITY, No.1 Linghai Road, Hi-tech District, Dalian, People's Republic of China ~72: Guilong LI;Guoshuai LI;Shimiao WANG;Zilong XIE~ 33:CN ~31:2024116837931 ~32:22/11/2024

2025/08682 ~ Complete ~54:A SYSTEM FOR DETECTION OF HARMFUL INGREDIENTS FROM JUNK FOOD LABEL IMAGES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANUSE, Vijaykumar;CHAUDHARI, Archana Kedar;MUNDHADA, Suraj Sudesh;POL, Praveen;RAINA, Shruti;SHINDE, Makarand Kedarnath;TALE, Tanmai Shivhari;Talekar, Rujul Ravindra;VISHWAKARMA INSTITUTE OF TECHNOLOGY~

2025/08688 ~ Complete ~54:BINDING AGENTS TARGETING TROP2-EXPRESSING TUMOR CELLS ~71:KisoJi Biotechnology Inc., 3576 avenue du Parc, Suite 4310, MONTRÉAL H2X 3P9, QUÉBEC, CANADA, Canada ~72: DA CRUZ, Luis;HOU, Wenyang;YAO, Shugang;YOUNG, David S.~ 33:US ~31:63/457,092 ~32:04/04/2023;33:US ~31:63/535,531 ~32:30/08/2023;33:US ~31:63/598,055 ~32:10/11/2023

2025/08692 ~ Complete ~54:APPARATUS, METHOD, AND COMPUTER PROGRAM FOR REDUCING SETUP DELAY IN DUAL CONNECTIVITY OR CARRIER AGGREGATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DALSGAARD, Lars;DIMNIK, Riikka, Karoliina;KAINULAINEN, Jani-Pekka;KARIMIDEHKORDI, Ali;KOLEHMAINEN, Niko~ 33:GB ~31:2304042.1 ~32:20/03/2023

2025/08666 ~ Complete ~54:BIOLOGICAL ENZYME PREPARATION AND APPLICATION THEREOF IN WITHERING PROCESSING OF WHITE TEA ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GONG Luping;LI Wanni;LIU Dongxiao;MA Fenglian~

2025/08708 ~ Complete ~54:TRICYCLIC FUSED IMIDAZOLE COMPOUNDS AS CD38 MODULATORS AND USES THEREOF ~71:AEOVIAN PHARMACEUTICALS, INC., 2930 Domingo Avenue, Suite 145 Berkeley, California, 94705, United States of America ~72: ANTHONY KYLE BALL;JOHN KINCAID~ 33:US ~31:63/498,182 ~32:25/04/2023;33:US ~31:63/578,614 ~32:24/08/2023;33:US ~31:63/627,213 ~32:31/01/2024

2025/08687 ~ Complete ~54:A MOBILE MINING MACHINE AND A SUSPENSION ARRANGEMENT FOR A MOBILE MINING MACHINE ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: KESÄLÄINEN, Riku;MIKKOLA, Jussi~ 33:EP ~31:23174408.7 ~32:22/05/2023

2025/08690 ~ Complete ~54:METHOD OF TREATMENT OF A THORACOLUMBAR DEFORMITY IN A HUMAN SUBJECT WITH ACHONDROPLASIA ~71:ASCENDIS PHARMA GROWTH DISORDERS A/S, TUBORG BOULEVARD 12, 2900 HELLERUP, DENMARK, Denmark ~72: KJELGAARD-HANSEN, Mads, Jens;OMINSKY, Michael, Stuart;SHU, Aimee, D.;SMIT, Kevin, Mitchell;SPROGØE, Kennett;WARD, Leanne, Marie;WINDING, Bent~ 33:EP ~31:23162994.0 ~32:20/03/2023;33:EP ~31:23180740.5 ~32:21/06/2023;33:EP ~31:PCT/EP2023/081497 ~32:10/11/2023;33:US ~31:63/618,153 ~32:05/01/2024

2025/08697 ~ Complete ~54:MOTOR DIRECT-DRIVE TURNTABLE COILER ~71:CFHI DALIAN ENGINEERING&TECHNOLOGY CO.,LTD, 96 Northeast Street, Economic-Technological Development Zone, Dalian, Liaoning, 116600, People's Republic of China;CHINA FIRST HEAVY INDUSTRIES, No. 9 Changqian Road, Fular ji Qiqihar, Heilongjiang, 161042, People's Republic of China ~72: HAN, Jialiang;HUANG, Yanfeng;WANG, Kegang;ZHANG, Xiaowei~ 33:CN ~31:202411931270.4 ~32:26/12/2024

2025/08706 ~ Complete ~54:METHODS FOR TREATING MULTIDRUG RESISTANT BACTERIAL INFECTIONS ~71:COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, 25 Rue Leblanc, Bat le Ponant, 75015, Paris, France;IMCHECK THERAPEUTICS, 31 Chemin Joseph Aiguier, 13009, Marseille, France ~72: CANDIE JOLY;JULIEN LEMAITRE;PAUL FROHNA;ROGER LE GRAND;SOPHIE AGAUGUE~ 33:EP ~31:23170412.3 ~32:27/04/2023

2025/08675 ~ Complete ~54:HERBAL FRECKLE-REMOVING AND SKIN-NOURISHING CONDITIONING SOLUTION AND PREPARATION METHOD THEREOF ~71:Jieling Zhang, No. 6 Juxing Street, Huangpu Town, Zhongshan City, Guangdong Province, People's Republic of China ~72: Jieling Zhang~

2025/08693 ~ Complete ~54:LOW CODING RATE PARAMETRIC SPATIAL AUDIO ENCODING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: VASILACHE, Adriana~ 33:GB ~31:2304286.4 ~32:24/03/2023

2025/08700 ~ Complete ~54:PRODUCTIVE COATING PROCESS FOR A STEEL SHEET, CORRESPONDING EQUIPMENT, A METALLIC COATED HOT ROLLED STEEL SHEET ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Eric GAILLY;Eric SILBERBERG;Nauwfel AMIMI;Sergio PACE;Vincent RUWET~ 33:IB ~31:PCT/IB2023/056700 ~32:28/06/2023

2025/08709 ~ Complete ~54:METHOD FOR THE SELECTIVE EXTRACTION OF BORON BY MEANS OF AN ORGANIC SOLVENT FROM SOLUTIONS DERIVED FROM ACID ATTACK ON PERMANENT MAGNETS COMPRISING RARE EARTHS ~71:CAREMAG, Tour Part Dieu, 129 Rue Servient, France ~72: BRAIBANT,

Bertrand;CHOUR, Zeinab;LEVEQUE, Alain~ 33:FR ~31:FR2306492 ~32:22/06/2023;33:FR ~31:FR2306493 ~32:22/06/2023

2025/08677 ~ Complete ~54:A RICE MIR398B GENE PROMOTER INDUCED BY RICE GRASS STUNT VIRUS INFECTION AND ITS APPLICATION ~71:Fujian Agriculture and Forestry University, No.15 Shangxiadian Road, Cangshan District, Fuzhou City, Fujian Province, People's Republic of China ~72: Duan Xinhui;Wu Jianguo;Zhang Baogang;Zhang Shuai;Zhao Shanshan~ 33:CN ~31:2025108376177 ~32:23/06/2025

2025/08701 ~ Complete ~54:CLEANING OF CO2 CONTAINING FEED GASES ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: BIRGITTE STAAL HAMMERSHØI;CHRISTIAN PILEKÆR;MADS KRISTIAN KAARSHOLM;MARTIN ØSTBERG;MORTEN THELLEFSEN;THOMAS SANDAHL CHRISTENSEN~ 33:DK ~31:PA202300339 ~32:21/04/2023

2025/08789 ~ Provisional ~54:DIGITAL STRATEGY COLLECTIVE AGREEMENT (DSCA) FRAMEWORK AND AI RISK & IMPACT ASSESSMENT SYSTEM FOR RESPONSIBLE INNOVATION ~71:Vusi Joni Mnguni, 6801 Silver Wattle Close, South Africa ~72: Vusi Joni Mnguni~ 33:ZA ~31:1 ~32:01/10/2025

2025/08672 ~ Complete ~54:A SPRAY GUN COATING DEFECT IDENTIFICATION SYSTEM AND METHOD BASED ON IMAGE RECOGNITION ~71:Kunming University of Science and Technology, No. 68 Wenchang Lane, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: Jing Feng;Ju Rong;Jun Wang;Xingkao Zhang~

2025/08678 ~ Complete ~54:A SYSTEM FOR COORDINATING, MONITORING, AND ALERTING PARTICIPANTS IN AN E-HAILING TRANSPORTATION ENVIRONMENT. ~71:SmartOps Solutions Pty Ltd, 214 Beyers Naude Dr, Ground Floor, South Africa ~72: Mahene Patrice Benzane~

2025/08702 ~ Complete ~54:A NEUTRAL AND/OR GROUND HARMONIC FILTER SYSTEM ~71:ENERGY EIGHT, LLC, 6780 Jamestown Drive, Alpharetta, Georgia, 30005, United States of America ~72: JOSEF TOMASTIK~ 33:US ~31:63/500,960 ~32:09/05/2023

2025/08667 ~ Complete ~54:METHODS AND TREATMENT OF TRAUMA ~71:HEMANEXT INC., 99 Hayden Avenue, Building B, Suite 620, United States of America ~72: DUNHAM, Andrew;YOSHIDA, Tatsuro~ 33:US ~31:62/508,783 ~32:19/05/2017

2025/08673 ~ Complete ~54:HERBICIDE PREPARATION DEVICE AND METHOD ~71:Zhumadian Jinxiu Star Crop Science Co., Ltd, No. 51 East Ruhe Avenue, Zhumadian City, Henan Province, 463000, People's Republic of China ~72: Cui Libo;Liu Cong;Wang Qinqin;Wang Weili;Xu Zhijun~

2025/08680 ~ Complete ~54:2-PENTADECYL-2-OXAZOLINE IN ASSOCIATION WITH BUTYRIC ACID OR A SALT THEREOF IN THE TREATMENT OF EPILEPSY ~71:EPITECH GROUP S.P.A., Via Egadi, 7, Italy ~72: DELLA VALLE, Federica;DI LEO, Antonio;MARCOLONGO, Gabriele~ 33:IT ~31:102024000026724 ~32:27/11/2024

2025/08685 ~ Complete ~54:INHIBITING NATURAL KILLER CELL CYTOTOXICITY AGAINST CELL THERAPIES ~71:Clade Therapeutics, Inc., 25N. 38th Street, 11th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: ZHANG, Shuqi~ 33:US ~31:63/467,514 ~32:18/05/2023;33:US ~31:63/574,249 ~32:03/04/2024

2025/08689 ~ Complete ~54:DECODING DEVICE, ENCODING DEVICE, BIT STREAM GENERATION DEVICE, DECODING METHOD, AND ENCODING METHOD ~71:Panasonic Intellectual Property Corporation of America, 2050 W 190th Street, Suite 450, TORRANCE 90504, CA, USA, United States of America ~72: ABE,

Kiyofumi;KARLEKAR, Jayashree;LIM, Chong Soon;LIM, Sugiri Pranata;NISHI, Takahiro;TEO, Han Boon;THONG, Jing Yuan;TOMA, Tadamasa~ 33:US ~31:63/462,648 ~32:28/04/2023

2025/08704 ~ Complete ~54:SYSTEMS AND METHODS FOR U2U RELAY STATE DETECTION DURING DISCOVERY ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: JUNG JE SON;MAGURAWALAGE CHATHURA MADHUSANKA SARATHCHANDRA;MICHELLE PERRAS;SAMIR FERDI;TAIMOOR ABBAS~ 33:US ~31:63/457,586 ~32:06/04/2023

2025/08674 ~ Complete ~54:SMALL NEEDLE KNIFE INSERTION AUXILIARY POSITIONER ~71:Fenghua District Traditional Chinese Medicine Hospital Of Ningbo (Fenghua District Traditional Chinese Medicine Hospital Of Ningbo Yigongti General Hospital), No.462, Jinhai Road, Fenghua District, Ningbo City, Zhejiang Province, People's Republic of China ~72: Cimin Shen;Dong Shen;Yao Zhou;Zhenv Huang;Zhuqing Li~

2025/08686 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AND USES THEREOF ~71:Kumquat Biosciences Inc., 10770 Wateridge Circle, Suite 120, SAN DIEGO 92121, CA, USA, United States of America ~72: LI, Liansheng;REN, Pingda~ 33:US ~31:63/504,147 ~32:24/05/2023;33:US ~31:63/517,046 ~32:01/08/2023

2025/08694 ~ Complete ~54:A CAMPER ~71:BUYS, Floris Cornelius, 55 FISH EAGLE DRIVE, SABLE HILLS WATERFRONT ESTATE, PRETORIA, 0035, SOUTH AFRICA, South Africa;MEINTJIES, Schalk Willem van der Merwe, 4B MOUNTAIN DRIVE, DERDEPOORT, PRETORIA, 0035, SOUTH AFRICA, South Africa ~72: BUYS, Floris Cornelius;MEINTJIES, Schalk Willem van der Merwe~ 33:ZA ~31:2023/04117 ~32:04/04/2023

2025/08699 ~ Complete ~54:ANTI-CD33 ANTIBODIES ~71:ALCHEMAB THERAPEUTICS LTD, East Side Office 1.02, Kings Cross, London, United Kingdom ~72: FINCH, Donna Kirsty;GRAVES, Helen Marie;KOLASINSKA-ZWIERZ, Paulina;LEGG, Sandrine;MASON, Ashley Jane;MINTER, Ralph Raymond;NOSOVITSKAYA, Galina;OSBOURN, Jane Katharine;PEDIADITAKIS, Iosif;SIDOR, Michelle;ZIMARINO, Carlo~ 33:GB ~31:2304932.3 ~32:03/04/2023;33:GR ~31:20240100148 ~32:29/02/2024

2025/08665 ~ Provisional ~54:COMPREHENSIVE CALL CONNECTION, SCREENING, AND INTERACTIVE ADVERTISING SYSTEM FOR CELLULAR, VOIP, AND OTT NETWORKS ~71:Johan H Reynders, 3 Van Der Stel Str, South Africa ~72: Johan H Reynders~

2025/08664 ~ Provisional ~54:CABLE SUPPORT ~71:Prime Power Systems Pty Ltd, 6 November Street, South Africa ~72: Johannes Hendrik BRONKHORST~

2025/08671 ~ Complete ~54:AN ORALLY ADMINISTERED CHINESE MEDICINE PILL FOR TREATING GYNECOLOGICAL DISEASES ~71:Junqiang Xie, No. 006, Gaopingji, Gaoping Town, Huaxian County, Anyang City, Henan Province, 456463, People's Republic of China ~72: Junqiang Xie;Lingjuan Hu~

2025/08669 ~ Complete ~54:ANAEROBIC BLOOD STORAGE CONTAINERS ~71:HEMANEXT INC., 99 Hayden Avenue, Building B, Suite 620, United States of America ~72: CORDERO, Rafael;KEEGAN, Philip, Michael;RENGANATHAN, Narendran;SARITA, Jancarlo;SUTTON, Jeffrey, Karl;WOLF, Michael;YOSHIDA, Tatsuro;ZOCCHI, Michael~ 33:US ~31:62/151,839 ~32:23/04/2015;33:US ~31:62/151,957 ~32:23/04/2015

2025/08681 ~ Complete ~54:SIMPLIFIED PRUNING METHOD FOR FRUIT TREES ~71:SHANDONG AGRICULTURE AND ENGINEERING UNIVERSITY, 866 Nongganyuan Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: HAN Xu;LIU Jin;SUN Xiaoming;WANG Peng;YANG Yaling~

2025/08683 ~ Complete ~54:COMPOSITIONS AND ARTICLES COMPRISING COMPLEXES OF 1-METHYLCYCLOPROPRENE AND ALPHA-CYCLODEXTRIN ~71:FRESH INSET S.A., Tadeusza Kosciuszki 71/208, Torun, 87-100, Poland ~72: ANDRZEJ WOLAN;KATARZYNA ANNA GURANOWSKA;LUCYNA CZAJKOWSKA;MARCIN PAKULSKI;MARIUSZ BOSIAK;ROKSANA KATARZYNA RADLOWSKA~ 33:PL ~31:P.425413 ~32:27/04/2018;33:PL ~31:P.425414 ~32:27/04/2018;33:PL ~31:P.425415 ~32:27/04/2018

2025/08691 ~ Complete ~54:A GEARED TORQUE TOOL AND A UNITARY SUBASSEMBLY FOR THE SAME ~71:NEW WORLD TECHNOLOGIES INC., 100-30722 MARSHALL ROAD, ABBOTSFORD, BRITISH COLUMBIA V2T 0H9, CANADA, Canada ~72: MCKERIHEN, Christopher, James;TIMMERMANS, Luke, Anthony~

2025/08703 ~ Complete ~54:HEARTH MIXTURE FOR DISPOSING ON THE HEARTH BOTTOM OF AN ELECTRIC ARC FURNACE, USE OF A HEARTH MIXTURE FOR DISPOSING ON THE HEARTH BOTTOM OF AN ELECTRIC ARC FURNACE, ELECTRIC ARC FURNACE, METHOD FOR DISPOSING A HEARTH MIXTURE ON THE HEARTH BOTTOM OF AN ELECTRIC ARC FURNACE AND USE OF MAGNESIA SPINEL USED IN A LINING OF A CEMENT ROTARY KILN ~71:REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, Wienerbergstraße 11, 1100, Wien, Austria ~72: DAVID WAPPEL;JOHANNES WUCHER;KARL MICHAEL ZETTL;LAURA RECHBERGER;MARCOS TÓMAS CASADO;RONALD LANZENBERGER~ 33:EP ~31:23171834.7 ~32:05/05/2023

2025/08684 ~ Complete ~54:PROCESS FOR A LEGUME BASED DRIED INSTANT NOODLE ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: GARG, Prateeksha;GULIA, Neelam;MEHROTRA, Piyush;SINGH, Om Prakash~ 33:IN ~31:202311019878 ~32:22/03/2023;33:EP ~31:23171979.0 ~32:08/05/2023

2025/08695 ~ Complete ~54:STEEL BUILDING STRUCTURAL ARRANGEMENT ~71:JAMALU HOLDING LIMITED, Irodotou 16, Cyprus ~72: Andries Johannes Duvenhage LAUBSCHER~

2025/08698 ~ Complete ~54:STAINLESS STEEL COLD TANDEM ROLLING MILL ~71:CFHI DALIAN ENGINEERING&TECHNOLOGY CO.,LTD, 96 Northeast Street, Economic-Technological Development Zone, Dalian, Liaoning, 116600, People's Republic of China;CHINA FIRST HEAVY INDUSTRIES, No. 9 Changqian Road, Fular ji Qiqihar, Heilongjiang, 161042, People's Republic of China ~72: DONG, Yujie;HUANG, Yanfeng;LI Jiamou;LI, Xin;WANG, Kegang;WU, Feng;ZHANG, Xiaowei~ 33:CN ~31:202511168095.2 ~32:20/08/2025

2025/08705 ~ Complete ~54:CLEANING OF CO2 CONTAINING FEED GASES ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: BIRGITTE STAAL HAMMERSHØI;MADS KRISTIAN KAARSHOLM;MARTIN ØSTBERG;MORTEN THELLEFSEN~ 33:DK ~31:PA202300340 ~32:21/04/2023

2025/08663 ~ Provisional ~54:SYSTEMS, METHODS, AND DEVICES FOR REFLEXOLOGY BIOFEEDBACK INTEGRATION AND AI-DRIVEN TREATMENT OPTIMIZATION ~71:SMIT, Elmarie, 9 Steyn Street, CLUBVILLE, Middelburg 1050, Mpumalanga, SOUTH AFRICA, South Africa ~72: SMIT, Elmarie~

2025/08710 ~ Complete ~54:AMORPHOUS OBICETRAPIB AND SGLT2 INHIBITOR COMBINATION ~71:NEWAMSTERDAM PHARMA B.V., Gooimeer 2-35, Netherlands ~72: BORTHS, Christopher J.;CUI, Sheng;DAVIDSON, Michael Harvey;DITMARSCH, Marc;KASTELEIN, Johannes Jacob Pieter;KISHIDA, Muneki;RÖTHELI, Andreas René~ 33:US ~31:63/497,891 ~32:24/04/2023

2025/08670 ~ Complete ~54:EASY-TO-ASSEMBLE HIGH-STRENGTH JOINT SUPPORT FRAME, DISPLAY AND CONTROL CONSOLE AND JOINT CONTROL SYSTEM THEREOF ~71:POLY TECHNOLOGIES, INC, 27/F., New Poly Plaza, No.1 Chaoyangmen North Street, People's Republic of China ~72: HUI, Xuehan;LI, Sha;LIANG, Shenwei;QIN, Zhen;WANG, Jiaxin;WANG, Xiaoyu;XIE, Zheng;ZHANG, Jiuqi;ZHAO, Guangtong~

2025/08668 ~ Complete ~54:IL-2- AND ANTI-PD-1-BASED THERAPEUTICS AND METHODS OF USE THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BLOCH, Nicolin;DAVIS, Samuel;LIN, Chia-Yang;SMITH, Eric;ULLMAN, Erica;WU, Jiaxi;ZHANG, Tong~ 33:US ~31:63/210,111 ~32:14/06/2021;33:US ~31:63/365,375 ~32:26/05/2022

2025/08676 ~ Complete ~54:ANIMAL DEPILATION MACHINE ~71:Xinjun Xiong, Chenping Group, Xinglongping Village, Renchaoxi Town, Sangzhi County, Zhangjiajie City, Hunan Province, People's Republic of China ~72: Xinjun Xiong~ 33:CN ~31:2025113290547 ~32:17/09/2025

2025/08696 ~ Complete ~54:METHOD FOR DETERMINING AN AMOUNT OF BAINITIC FERRITE FORMED DURING A STEEL PROCESSING OPERATION, ASSOCIATED MONITORING OR CONTROL METHODS ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Nicolas CHARBONNIER;Ronan JACOLOT~ 33:IB ~31:PCT/IB2023/056772 ~32:29/06/2023

2025/08707 ~ Complete ~54:A MULTIPLE UNIT ORAL DOSAGE FORM OF DOXYLAMINE SUCCINATE AND PYRIDOXINE HYDROCHLORIDE FREE OF TITANIUM DIOXIDE ~71:ITALFARMACO S.P.A., Viale Fulvio Testi, 330, I-20126 Milano (MI), Italy ~72: GIUSEPPE COLOMBO;KATIA URSO;LAURA ZAMORANO DOMINGUEZ~ 33:IT ~31:102023000010287 ~32:22/05/2023

. - APPLIED ON 2025/10/16 -

2025/08720 ~ Complete ~54:MAINTENANCE AND TESTING MECHANISM FOR AUTOMOTIVE ELECTRONIC CONTROL COMPONENTS ~71:SICHUAN GEELY UNIVERSITY OF CHINA, NO. 123, CHENGJIAN AVENUE 2ND SECTION, DONGBU NEW AREA, CHENGDU CITY,, People's Republic of China ~72: YANG Jianjun~

2025/08729 ~ Complete ~54:TCR WITH HIGH AFFINITY AND SPECIFICITY SPECIFIC FOR PREPROINSULIN PEPTIDE ALWGPDPAAA BOUND TO HLA-A2*02 ~71:Immunocore Limited, 92 Park Drive, Milton Park, ABINGDON OX14 4RY, UNITED KINGDOM, United Kingdom ~72: FIGUEIREDO, Rita;MAHON, Tara;OVERTON, David;TAWAR, Rajeevkumar;WISEMAN, Katy~ 33:GB ~31:2306345.6 ~32:28/04/2023

2025/08732 ~ Complete ~54:4-DIFLUOROMETHYL BENZAMIDES WITH HERBICIDAL ACTION ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: AHRENS, Hartmut;ASMUS, Elisabeth;BOLLENBACH-WAHL, Birgit;BRAUN, Ralf;DITTGEN, Jan;GATZWEILER, Elmar;JAKOBI, Harald;KÖHN, Arnim;ROSINGER, Christopher Hugh;WALDRAFF, Christian~ 33:EP ~31:23162499.0 ~32:17/03/2023

2025/08733 ~ Complete ~54:CLARIFYING AGENTS ~71:PQ LLC, 300 Lindenwood Drive, MALVERN 19355-1740, PA, USA, United States of America ~72: CARIO, Philippe;MONSANTO, Miguel;STEBBING, Simon~ 33:GB ~31:2305914.0 ~32:21/04/2023

2025/08738 ~ Complete ~54:EGFR INHIBITOR FOR TREATING CANCERS COMPRISING ATYPICAL EGFR MUTATIONS ~71:ORIC PHARMACEUTICALS, INC., 240 E. Grand Avenue, Suite 2 South San Francisco, California, 94080, United States of America ~72: ANNELEEN DAEMEN;EDNA CHOW MANEVAL;MELISSA R JUNTTILA;PRATIK SHARAD MULTANI;RUPAL PATEL~ 33:US ~31:63/464,424 ~32:05/05/2023;33:US ~31:63/591,656 ~32:19/10/2023

2025/08739 ~ Complete ~54:ORE FILTRATION ~71:COATEX, 35 rue Ampère, 69730, Genay, France ~72: JACQUES MONGOIN;MEHDI BOUZID~ 33:FR ~31:FR2304733 ~32:12/05/2023

2025/08740 ~ Provisional ~54:NEOBIN SMART WASTE MANAGEMENT BIN ~71:Ms Oratile Natacia Sebanyoni, 26971 Moneri Street Street,, South Africa ~72: Ms Oratile Natacia Sebanyoni~

2025/08711 ~ Provisional ~54:ANGULAR FLUX ROTATING APPARATUS ~71:Alvaro Bernardo Tafur Castillo, 1 kingsley place, 55 oxford road, South Africa ~72: Alvaro Bernardo Tafur Castillo~

2025/08715 ~ Complete ~54:DEVICE AND TEST METHOD FOR SOIL SHEAR VIBRATION TEST BASED ON LONG-SPAN STRUCTURES ~71:Tianjin University, No.135 Yaguan Road, Jinnan District, Tianjin, 300354, People's Republic of China ~72: LI Zhenmian;YANG Zhenglong;YU Yang;YUE Zonglin;ZENG Zhide~

2025/08717 ~ Complete ~54:COMPUTER-IMPLEMENTED PERIOPERATIVE MESSAGE PERSONALIZED PUSH SYSTEM BASED ON RISK PREDICTION AND FEEDBACK CLOSED LOOP ~71:Baiyang Intelligent Medical Information Technology (Beijing) Co., Ltd., Room 1205, 11th Floor, Block B, No.2 Zhongguancun South Street, Haidian District, Beijing, 100086, People's Republic of China ~72: CHEN, Ya;LI, Guobao~

2025/08741 ~ Provisional ~54:EASY MONITOR ~71:Sifiso Mtshali, 4A Tedder Road, South Africa;Sifiso Mtshali, 4A Tedder Road, South Africa ~72: Sifiso Mtshali~

2025/08714 ~ Provisional ~54:TRIPLE AFRICAN SEED OIL COMPLEX ~71:Pinel Motswagole, 98 Silverleaf street, South Africa ~72: Pinel Motswagole~

2025/08719 ~ Complete ~54:POSITIONING FIXTURE FOR PIPELINE TESTING ~71:TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING, M.O.T., No. 2618, Tanggu Xingang 2nd Road, Binhai New Area, People's Republic of China ~72: HU Yanhua;JIA Pengyu;JIN Hang;LU Linlin;LV Jianyu;MENG Guodong;WANG Mingchao;ZHAN Yingshu~

2025/08726 ~ Complete ~54:FLEXIBLE WEB-SHAPED COMPOSITE MATERIAL AND SACKS PRODUCED THEREFROM ~71:STARLINGER & CO GESELLSCHAFT M.B.H., Sonnenuhrgasse 4, Austria ~72: GRABENWEGER, David;KOLM, René~ 33:EP ~31:23171429.6 ~32:03/05/2023

2025/08731 ~ Complete ~54:METHOD AND SYSTEM FOR MEASURING PARAMETERS RELATED TO THE STABILITY OF A FLOATING BATCH OF MATERIALS ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12 place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: BOUSQUET, David;VORONKOFF, Justine~ 33:EP ~31:23169216.1 ~32:21/04/2023

2025/08712 ~ Provisional ~54:MEASURING INSTRUMENT ~71:HEIN BENJAMIN VAN DER LINDE, 18 LANTANA STREET, FLORA PARK, South Africa ~72: HEIN BENJAMIN VAN DER LINDE~

2025/08730 ~ Complete ~54:FLUID INJECTION METHOD TO MODIFY FUNCTIONAL ATTRIBUTES OF PROTEIN IN DIRECT EXPANDED EXTRUSION ~71:Glanbia Nutritionals Limited, Glanbia House, KILKENNY R95 E866, IRELAND, Ireland ~72: BANER, Jon;PETERSEN, Brent L.;STOUT, Mark A.;WARD, Loren S.~ 33:US ~31:63/457,024 ~32:04/04/2023

2025/08716 ~ Complete ~54:COMPOUND PREPARATION FOR SOFTENING TEA LEAVES AND METHOD FOR PROMOTING WHITE TEA WITHERING THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GONG Luping;HE Furu;LI Zhi;ZHENG Mengmeng~

2025/08734 ~ Complete ~54:BARRIER FABRICS WITH DESIRABLE AIR PERMEABILITY ~71:MAGNERA CORPORATION, 9335 Harris Corners Parkway, Suite 300 Charlotte, United States of America ~72: BISHOP, Nyle;GAO, Junying;JIN, Yongji;WANG, Lei;ZHANG, Tianlei~ 33:US ~31:63/453,380 ~32:20/03/2023

2025/08724 ~ Complete ~54:NON-LTR RETROTRANSPOSON SYSTEM AND USE THEREOF ~71:BEIJING ASTRAGENOMICS TECHNOLOGY CO., LTD., F/1, No.16F Block, North Area of Yonyou Industrial Park, No.68

Beiqing Road, People's Republic of China ~72: SHI, Chengxi;WEI, Ting;YU, Daqi;ZHAO, Chen~ 33:CN ~31:202310380978.4 ~32:11/04/2023

2025/08725 ~ Complete ~54:ORTHODONTIC APPLIANCE FOR PROTRACTION OF UPPER FRONT TEETH TO ACHIEVE FACIAL BALANCE ~71:PRATNIWAT, Soonthorn, 624/5 Na Muang Road, Nai Muang, Thailand ~72: PRATNIWAT, Soonthorn~ 33:TH ~31:2303000940 ~32:31/03/2023

2025/08727 ~ Complete ~54:GALACTOLIPASE DEFINED BY RATIO OF GALACTOLIPASE/PHOSPHOLIPASE AND/OR GALACTOLIPASE/LIPASE ACTIVITY AND ITS APPLICATION IN BAKERY ~71:PURATOS NV, Industrialaan 25, Belgium ~72: GUILLEMIN, Nicolas;MOHAMMADI, Azadeh;ROULLING, Frédéric;SHEGAY, Oksana;VERTÉ, Fabienne~ 33:BE ~31:BE2023/5272 ~32:11/04/2023

2025/08787 ~ Provisional ~54:DERMAL-TECH ~71:Tshegofatso Rosina Kolobe, 1419 Pelotona Street, Protea North, Soweto, South Africa ~72: Tshegofatso Rosina Kolobe~

2025/08721 ~ Complete ~54:INTELLIGENT UNDERWATER AQUACULTURE NET CAGE DEVICE ~71:SHIHEZI UNIVERSITY, NO. 221, BEISI ROAD, SHIHEZI CITY, People's Republic of China ~72: CHEN Junjie;CHU Hang;DAI Lei;JIANG Feifei;LIU Han;LUO Xiaolong;MAO Yuan;WANG Mengyao;ZHAO Jin;ZHOU Xinyu~

2025/08718 ~ Complete ~54:METHOD FOR OPERATING ROOM SCHEDULING AND MANAGEMENT, DEVICE, AND MEDIUM ~71:Baiyang Intelligent Medical Information Technology (Beijing) Co., Ltd., Room 1205, 11th Floor, Block B, No.2 Zhongguancun South Street, Haidian District, Beijing, 100086, People's Republic of China ~72: CHEN, Ya;LI, Guobao~

2025/08723 ~ Complete ~54:HBV ANTIGEN FORMULATION FOR TREATING HEPATITIS B ~71:ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG, Friedrichstr. 39, Germany;HELMHOLTZ ZENTRUM MÜNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT (GMBH), Ingolstädter Landstrasse 1, Germany;TECHNISCHE UNIVERSITÄT MÜNCHEN, IN VERTRETUNG DES FREISTAATES BAYERN, Arcisstr. 21, Germany;UNIVERSITÄTSKLINIKUM HAMBURG-EPPENDORF, Martinistrasse 52, Germany ~72: ADDO, Marylyn Martina;AMBIKE, Shubhankar;KNOLLE, Percy;KOSINSKA, Anna Dagmara;NASSAL, Michael;PROTZER, Ulrike;THIELE, Frank;WIEGAND, Marian~ 33:EP ~31:23162520.3 ~32:17/03/2023

2025/08735 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AND USES THEREOF ~71:PROGENTOS THERAPEUTICS, INC., 200 Dexter Avenue, Watertown, Massachusetts, 02472, United States of America ~72: ADRIANNE KOLPAK;BRADLEY DEAN TAIT;DANIEL J PARKS;JINHYUNG CHO;PATRICIA R SHAW;SANJAY SHIVAYOGI MAGAVI~ 33:US ~31:63/501,005 ~32:09/05/2023

2025/08737 ~ Complete ~54:CRYSTALLINE FORMS OF A RAS INHIBITOR ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: JUN HUANG;KANG-JYE CHOU;PAUL LOBBEN;SHAOLING LI;XIAOJUN HUANG~ 33:US ~31:63/459,290 ~32:14/04/2023

2025/08713 ~ Provisional ~54:CABLE SUPPORT ~71:Prime Power Systems Pty Ltd, 6 November Street, South Africa ~72: Johannes Hendrik Bronkhorst~

2025/08722 ~ Complete ~54:INTELLIGENT BASKETBALL STAND FOR SPORTS TEACHING ~71:XI'AN UNIVERSITY OF TECHNOLOGY, NO. 5 JINHUA SOUTH ROAD, BEILIN DISTRICT, XI'AN CITY, People's Republic of China ~72: CHEN Hongjun~ 33:CN ~31:2025113165072 ~32:16/09/2025

2025/08728 ~ Complete ~54:SEMI-SATURATED BICYCLIC DERIVATIVES AND RELATED USES ~71:MOMA Therapeutics, Inc., 20 Acorn Park Drive, 6th Floor, CAMBRIDGE 02140, MA, USA, United States of America ~72: BAI, Yonghong;BUTLER, John R.;GAO, Cen;GUZI, Timothy J.;MCGOWAN, Meredeth A.;REUTERSHAN,

Michael H.;SCHENKEL, Laurie B.;WANG, Haoxuan~ 33:US ~31:63/457,353 ~32:05/04/2023;33:US ~31:63/542,486 ~32:04/10/2023

2025/08736 ~ Complete ~54:ADMINISTRATION OF A BETA-CATENIN ANTAGONIST AND METHODS OF USE ~71:SAPIENCE THERAPEUTICS, INC., 520 White Plains Road, 2nd Floor, Tarrytown, New York 10591, United States of America ~72: ABI VAINSTEIN HARAS;ALICE SUSANNAH BEXON;BARRY JAY KAPPEL;GENE MERUTKA;JIMMY ANDREW ROTOLO~ 33:US ~31:63/459,206 ~32:13/04/2023

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2025/08742 ~ Provisional ~54:METHOD AND SYSTEM FOR PROCUREMENT OF A PRODUCT OR SERVICE ~71:J HOLDINGS (PTY) LTD., 518 Alsatian drive, 18 La Bri, Garsfontein, Extension 18, South Africa ~72: CRAFFORD, Anita Laurenza;KYRIACOU, Paul;SMOOK, Adolphus Josephus~

2025/08743 ~ Provisional ~54:HYBRID VERIFIER CONSENSUS SYSTEM FOR CRYPTOGRAPHIC PROOF OF AUTHENTICITY WITH PRIVACY-PRESERVING ANCHORING ~71:LUXARA (Pty) Ltd, Unit 303, The Armoury, 160 Sir Lowry Road, Buchanan Square, Woodstock, South Africa ~72: Alfio Enzo Gino Papa~

2025/08746 ~ Complete ~54:PORTABLE FOLDING TELEPROMPTER BASED ON LIVESTREAM E-COMMERCE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Rong LUO;Shengjie HE~

2025/08748 ~ Complete ~54:FAULT DIAGNOSIS METHOD FOR END-EDGE-CLOUD COLLABORATION DEVICE BASED ON MICROSERVICE ARCHITECTURE ~71:Shanghai University of Engineering Science, No.333 Longteng Road, Songjiang District, Shanghai, 201620, People's Republic of China ~72: CHEN Bei;REN Lijia;WANG Guoliang;WEI Yunbing;YAN Shujia;YAN Weiwu;ZHANG Jing;ZHANG Wenjun~ 33:CN ~31:2025104752886 ~32:16/04/2025

2025/08751 ~ Complete ~54:PROCESS FOR PRODUCING HIGH-GRADE PHOSPHATE CONCENTRATE AND CALCIUM SULFATE WHISKER FROM MEDIUM-LOW GRADE PHOSPHATE ROCK OR PHOSPHATE TAILING ~71:Guizhou Chemical Research Institute, No.1 Shaitianba Road, Nanming District, Guiyang City, Guizhou Province, 550002, People's Republic of China ~72: HAN Yu;LU Yulian;ZHANG Fuqiang;ZHANG Jiao;ZHANG Lanxi;ZHANG Qin~

2025/08754 ~ Complete ~54:COAL CRUSHING DEVICE WITH ENCLOSED SCREENING STRUCTURE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing JIA;Fangchao LU;Haomin TIAN;Kaihong WANG;Lulu ZHANG;Quan LOU;Sheng LIU;Shun WANG;Wenqin ZOU;Xiangyun WAN;Yanhui YANG;Yiju TANG~

2025/08759 ~ Complete ~54:COMBINED RECOVERY METHOD USING FLOTATION COLUMN-MACHINE FOR SANDSTONE-TYPE ZINC OXIDE ORE ~71:Kunming University of Science and Technology, No. 253 Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: HAN, Guang;WANG, Zicheng;ZHANG, Qian;ZHAO, Wenjuan~ 33:CN ~31:202510910012.6 ~32:02/07/2025

2025/08769 ~ Complete ~54:NOVEL PROCESS FOR THE SMELTING OF A BLEND OF HOT AND COLD METALLIFEROUS FEEDSTOCK MATERIAL YIELDING REDUCED CARBON EMISSIONS ~71:METIX (PROPRIETARY) LIMITED, 204 Rivonia Road, Morningside, South Africa ~72: LOUW, Stephan Christiaan;LÖTTER, Gabriel Jacobus;TERBLANCHE, Gerhardus Scholtz~ 33:NL ~31:2034821 ~32:15/05/2023

2025/08779 ~ Complete ~54:MULTISPECIFIC ANTIBODY TARGETING C-MET ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No. 369 Yuzhou South Rd., Lianyungang, Jiangsu, 222062, People's

Republic of China ~72: BING ZHANG;MIN DU;XIN WANG;XIUZHEN DU;YAMIN LU;ZIPENG ZHEN~ 33:CN ~31:202310459592.2 ~32:24/04/2023

2025/08745 ~ Complete ~54:TEST MODEL FOR SIMULATING UNDERGROUND ENGINEERING CONSTRUCTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN Zhanyang;HUANG Peng;LI Guanpeng;WANG Ruijun;ZHAI Juyun~

2025/08750 ~ Complete ~54:GRINDING DEVICE FOR BIOPHARMACEUTICALS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Lei JING;Luping GONG;Meidie CHENG;Mengmeng ZHENG;Shuangcheng ZHI;Sijin ZHANG;Yahui REN;Yanru FAN~

2025/08755 ~ Complete ~54:DRUG RAW MATERIAL CLEANING DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Lei JING;Meidie CHENG;Mengmeng ZHENG;Shuangcheng ZHI;Sijin ZHANG;Yahui REN;Yanru FAN~

2025/08765 ~ Complete ~54:COUPLING AND CIRCUMFERENTIAL GROOVE SHAPE ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: BANCROFT, Philip Wayne;BRANDT, Justin P.;CUVO, Anthony J.~ 33:US ~31:62/449,765 ~32:24/01/2017

2025/08778 ~ Complete ~54:GRILLING APPARATUS ~71:SEERGRILLS LTD, Unit 15 Flexspace, Middlemore Road, United Kingdom ~72: ASPLEY, Jordan;DREW, Thomas;GUNDU, Tonderai;KASHI, Navid;MOGHIMI, Mohammadhossein;PHIPPS, Robert;PROCTER, Michael;SUDERA, Pawan;SUDERA, Suraj;THORNTON, Jamie~ 33:GB ~31:2304135.3 ~32:21/03/2023

2025/08786 ~ Provisional ~54:STRETCHER (MEDICAL EQUIPMENT) ~71:DONALD TLABYANE, 48 ALUTA CRESCENT, HOSPITAL VIEW, GAUTENG, South Africa ~72: DONALD TLABYANE~

2025/08783 ~ Complete ~54:LAMELLAR WASH COMPOSITION WITH REDUCED PALM KERNEL OIL RELIANCE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DOUGLAS JOHN HIBAN;MINGJUN YUAN;TEANOOSH MOADDEL;TIRUCHERAI VARAHAN VASUDEVAN~ 33:EP ~31:23171523.6 ~32:04/05/2023

2025/08761 ~ Complete ~54:SHORT-PROCESS STEPWISE FLOTATION METHOD FOR MICRO-FINE-GRAINED LEAD-ZINC OXIDE ORE ~71:Kunming University of Science and Technology, No. 253 Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: HAN, Guang;WANG, Han;YANG, Zhixiong;ZHAO, Wenjuan~ 33:CN ~31:202510879922.2 ~32:27/06/2025

2025/08770 ~ Complete ~54:LIGAND-CYTOTOXICITY DRUG CONJUGATES AND PHARMACEUTICAL USES THEREOF ~71:CHANGZHOU HANSOH PHARMACEUTICAL CO., LTD., 1028 Liaohe Road, Xinbei District, People's Republic of China;HANSOH BIO LLC, Hansoh Bio, 9900 Medical Center Drive, United States of America;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 11, NO.3728 Jinke Road, (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: LI, Qing;ZHOU, Ningyun~ 33:US ~31:63/492,611 ~32:28/03/2023;33:US ~31:63/592,304 ~32:23/10/2023

2025/08781 ~ Complete ~54:A CONCENTRATED HARD SURFACE CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AYAN SARKAR;MANOJ VILAS DAGAONKAR~ 33:EP ~31:23170244.0 ~32:27/04/2023

2025/08785 ~ Complete ~54:COMPOSITIONS AND USES OF LOCALLY-APPLIED ANTIMICROBIAL SYNTHETIC CATIONIC POLYPEPTIDE(S) WITH ENHANCED PERFORMANCE AND SAFETY ~71:AMICROBE, INC., 3142 Tiger Run Court, Suite 101, United States of America ~72: BEVILACQUA, Michael P.;HUANG, Daniel J.;LOOKER, Doug~ 33:US ~31:62/482,630 ~32:06/04/2017

2025/08753 ~ Complete ~54:E-COMMERCE LIVE STREAMING PRODUCT SWITCHING DISPLAY STAND ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Rong LUO;Shengjie HE~

2025/08758 ~ Complete ~54:COMBINED FLOTATION MACHINE-COLUMN SEPARATION METHOD FOR LEPIDOLITE ORE ~71:Kunming University of Science and Technology, No. 253 Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: FENG, Qicheng;HAN, Guang;LUO, Ximei;YANG, Wenhang;YANG, Yuanping~ 33:CN ~31:202510960666.X ~32:11/07/2025

2025/08768 ~ Complete ~54:NOVEL PROCESS FOR THE SMELTING OF A METALLIFEROUS FEEDSTOCK MATERIAL YIELDING REDUCED CARBON EMISSIONS ~71:METIX (PROPRIETARY) LIMITED, 204 Rivonia Road, Morningside, South Africa ~72: FARMER, George Eric;LÖTTER, Gabriel Jacobus;STEYN, Peet~ 33:NL ~31:2034822 ~32:15/05/2023

2025/08771 ~ Complete ~54:AUDIO APPARATUS AND METHOD OF OPERATION THEREFOR ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: JELFS, Sam Martin~ 33:EP ~31:23162989.0 ~32:20/03/2023

2025/08777 ~ Complete ~54:2-AZABICYCLO[2.2.1]HEPTANE KRAS INHIBITORS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: ATASOYLU, Onur;CARLSEN, Peter;LAI, Chengtsung;LIU, Lei;MCCAMMANT, Matthew;POLICARPO III, Rocco;SOKOLSKY, Alexander;WANG, Xiaozhao;YIN, Haolin~ 33:US ~31:63/496,859 ~32:18/04/2023;33:US ~31:63/580,824 ~32:06/09/2023;33:US ~31:63/557,251 ~32:23/02/2024

2025/08784 ~ Complete ~54:MILD LAMELLAR WASH COMPOSITION HAVING REDUCED ISETHIONATE AND PALM KERNEL OIL DERIVED STRUCTURANT ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DOUGLAS JOHN HIBAN;TEANOOSH MOADDEL;TIRUCHERAI VARAHAN VASUDEVAN~ 33:EP ~31:23171508.7 ~32:04/05/2023

2025/08744 ~ Provisional ~54:A COUPLING DEVICE ~71:HEUNIS, Anton, 16 MARAIS STREET, BAILEY'S MUCKLENEUK, PRETORIA, 0181, SOUTH AFRICA, South Africa ~72: HEUNIS, Anton~

2025/08747 ~ Complete ~54:NEW ENERGY PARAMETER OPTIMIZATION METHOD FOR POWER SYSTEM STABILITY ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Beilei GUO;Changbing ZHENG;Chengwu LIANG;Fangming ZHANG;Guofeng HE;Jinpeng WANG;Lin QI;Lulu YIN;Tan CHENG;Wei HE;Yanfei DONG~

2025/08756 ~ Complete ~54:PORTABLE PRESENTATION DEVICE FOR RURAL REVITALIZATION LECTURES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Rong LUO;Shengjie HE~

2025/08762 ~ Complete ~54:SPORTS EQUIPMENT WITH INTERCHANGEABLE SPORTS FUNCTIONS ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, People's Republic of China ~72: BAI, Yunfan;HU, Xiaojun;YOU, Xiaowei~

2025/08763 ~ Complete ~54:WEAR-RESISTANT HIGH-TOUGHNESS HIGH-CHROMIUM CAST IRON MATERIAL AS WELL AS PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:Kuancheng Shuangxing Mining Equipment Manufacturing Co., Ltd., Mujiangtun Village, Dadi Township, Kuancheng Manchu Autonomous County, Chengde City, Hebei Province, 067000, People's Republic of China ~72: DU, Haoyu;DU, Xiangke;GAO, Tiezhu;JI, Hongchao;JIA, Shize;LI, Zhen;LIU, Haijun;LIU, Wanxing;WANG, Jiawei;YANG, Zhigang;ZHANG, Fengjun~ 33:CN ~31:202511290048.5 ~32:10/09/2025

2025/08766 ~ Complete ~54:EQUIPMENT AND METHOD FOR ANALYSING INDIVIDUAL CHARACTERISTICS AND DETERMINING THE SEX OF BIRDS ~71:ANTONELLO, Ricardo, Ari Rodrigues Maia, 89600000, Joacaba, Brazil;GUSTAVO SCHMIDT, Luan, Frei Bruno, 503, 89610-000, Herval D'Oeste, Brazil;HARVEY ANTUNES, Gregori, Tv. Esperanca, 50, 89609-000, Luzema, Brazil ~72: ANTONELLO, Ricardo;HARVEY ANTUNES, Gregori~ 33:BR ~31:1020230065392 ~32:06/04/2023

2025/08780 ~ Complete ~54:A COMPOSITION FOR REDUCING MALODOUR ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ISHITA DAS;NAMISHA MOHAPATRA;RAMYA SAMPATH KUMAR;SAMIRAN MAHAPATRA;SANDEEP VARMA;SREEJESH KIZHAKE VEETIL;SRILAXMI VENKATA MEDEPALLI;SRIPRADHA SADAGOPAN;YUGANDHAR BOMMAIHPALLE SUDHAKAR REDDY~ 33:EP ~31:23169600.6 ~32:24/04/2023

2025/08788 ~ Provisional ~54:PROCURASCAN: A SMART PROCEMENT AND SOURCING PLATFORM (APP) ~71:Mr Sibusiso James Maseko, Stand no 759 Emthonjeni Machadodorp Location, South Africa ~72: Mr Sibusiso James Maseko~

2025/08752 ~ Complete ~54:GAS COLLECTION AND SEPARATION DEVICE FOR CRYOGENIC COAL PULVERIZATION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing JIA;Fangchao LU;Haomin TIAN;Kaihong WANG;Lulu ZHANG;Quan LOU;Sheng LIU;Shun WANG;Wenqin ZOU;Xiangyun WAN;Yanhui YANG;Yiju TANG~

2025/08760 ~ Complete ~54:COLLECTOR AND GEOPHYSICAL INFORMATION ACQUISITION DEVICE ~71:HUNAN GEOSUN HI-TECHNOLOGY CO., LTD., Office Building, No.339 Bachelor's Road, Yuelu District, People's Republic of China ~72: CAO, Xiaolong;DENG, Xiaofeng;GU, Zhiwen;LIU, Weihong;TAN, Wen;WANG, Yongbing;YUAN, Yuxin;ZHANG, Lei;ZHAO, Shuang~ 33:CN ~31:202411723090.7 ~32:28/11/2024

2025/08764 ~ Complete ~54:COUPLING AND CIRCUMFERENTIAL GROOVE SHAPE ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: BANCROFT, Philip Wayne;BRANDT, Justin P.;CUVO, Anthony J.~ 33:US ~31:62/449,765 ~32:24/01/2017

2025/08773 ~ Complete ~54:LIPOSOMAL FORMULATION FOR TREATMENT OF VISCERAL LEISHMANIASIS ~71:Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Marg, NEW DELHI 110001, INDIA, India ~72: ALI, Nahid;DIDWANIA, Nicky;EJAZI, Sarfaraz Ahmad;KAMRAN, Mohd;SABUR, Abdus~ 33:IN ~31:202311028946 ~32:20/04/2023

2025/08775 ~ Complete ~54:LYSINE ACETYLTRANSFERASE 6A (KAT6A) INHIBITOR, COMBINATIONS AND USES THEREOF ~71:Insilico Medicine IP Limited, 26th Floor, Three Exchange Square, 8 Connaught Place, CENTRAL HONG KONG, CHINA (P.R.C.), People's Republic of China ~72: CAI, Xin;CHENG, Xin;QIN, Luoheng;REN, Feng;ZHANG, Man~ 33:IB ~31:2023/089277 ~32:19/04/2023;33:IB ~31:2024/086020 ~32:03/04/2024

2025/08757 ~ Complete ~54:PREPARATION METHOD OF ANTITUMOR ACTIVE EXTRACT FROM TRADITIONAL CHINESE MEDICINE COMPOUND ~71:Henan University of Urban Construction, Longxiang

Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Can DANG;Lei JING;Meidie CHENG;Mengmeng ZHENG;Shuangcheng ZHI;Sijin ZHANG;Wenhao HUANG;Yahui REN;Yanru FAN;Yaowei CHU~

2025/08767 ~ Complete ~54:CD200 FUSION PROTEINS ~71:DUCENTIS BIOTHERAPEUTICS LIMITED, Suite 2 First Floor, 10 Temple Back, United Kingdom ~72: ASHFIELD, Rebecca~ 33:GB ~31:2306711.9 ~32:05/05/2023

2025/08774 ~ Complete ~54:BROAD-SPECTRUM VIRAL MEMBRANE FUSION INHIBITOR, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:Henan Genuine Biotech Co., Ltd., Building 1, Yard 10, Fuxing Road, Xincheng District, PINGDINGSHAN 467000, HENAN, CHINA (P.R.C.), People's Republic of China ~72: CHONG, Huihui;GENG, Xiuzhu;HE, Yuxian;ZHU, Yuanmei~

2025/08782 ~ Complete ~54:A UNIT DOSE TABLET ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: GIRISH MURALIDHARAN;HIMADRI SEKHAR KUMAR;RAJEESH KUMAR RAMACHANDRAN~ 33:EP ~31:23170794.4 ~32:28/04/2023

2025/08749 ~ Complete ~54:DEMONSTRATION DEVICE FOR AN EDUCATION-ECONOMIC INNOVATION MANAGEMENT PLATFORM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bo LI~

2025/08772 ~ Complete ~54:NLRP3 INFLAMMASOME INHIBITORS AND USES THEREOF ~71:InSilico Medicine IP Limited, 26th Floor, Three Exchange Square, 8 Connaught Place, CENTRAL HONG KONG, CHINA (P.R.C.), People's Republic of China ~72: DING, Xiaoyu;LI, Chaopeng;QIN, Luoheng;REN, Feng;WU, Jianping~ 33:IB ~31:2023/082488 ~32:20/03/2023;33:IB ~31:2023/101049 ~32:19/06/2023;33:IB ~31:2024/079655 ~32:01/03/2024

2025/08776 ~ Complete ~54:AGROCHEMICAL FORMULATIONS FOR MITIGATING CRYSTALLIZATION ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: FORREST, James Owen;JHURRY, Nema Devi~ 33:US ~31:63/460,748 ~32:20/04/2023

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2025/08796 ~ Provisional ~54:SYSTEM AND METHOD FOR DECENTRALISED STAKING-BASED COOPERATIVE PROJECT FUNDING AND VERIFIED YIELD DISTRIBUTION ~71:AgriiLabs Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/08799 ~ Provisional ~54:SYSTEM AND METHOD FOR DIGITAL RECEIPT ISSUANCE, MANAGEMENT, ANALYTICS AND ENVIRONMENTAL IMPACT REPORTING ~71:Henry Allan Peterson, 6 Peers Drive, Chapmans Bay Estate, Noordhoek, South Africa ~72: Henry Allan Peterson~

2025/08803 ~ Complete ~54:METHOD FOR OPTIMIZING ENERGY MANAGEMENT SYSTEM OF SODIUM-ION BATTERY ~71:Guangxi Electric Power Research Institute, No. 6-2 Minzhu Road, Nanning City, Guangxi, 530015, People's Republic of China;Qinzhou Power Supply Bureau of Guangxi Power Grid Corporation, No. 1 Sanyan Road, Qinzhou City, Guangxi, 535000, People's Republic of China ~72: LAN, Lili;LI, Haidong;LI, Wenwei;LIN, Xiangyu;PAN, Zhongning;PANG, Limei;TANG, Bin;WANG, Xiaoming~

2025/08810 ~ Complete ~54:CORECEPTOR CHIMERIC ANTIGEN RECEPTOR ~71:VANUDIS GMBH, Kronenstraße 30, Germany ~72: ÜBELHART, Rudolf~ 33:EP ~31:23170480.0 ~32:27/04/2023

2025/08817 ~ Complete ~54:METHOD FOR IMPROVING YIELD OF TITANIUM-RICH MATERIAL FOR BOILING CHLORINATION, AND USE THEREOF ~71:HENAN BILLIONS ADVANCED MATERIAL CO., LTD., Western

Industrial Agglomeration Area, Jiaozuo, Henan, 454150, People's Republic of China;LB GROUP CO., LTD., Feng Feng Office, Zhong Zhan District, Jiaozuo, Henan, 454150, People's Republic of China;SICHUAN LOMON MINING & METALLURGY CO., LTD., Pinggu Village, Xinjiu Township, Yanbian Country, Panzhihua, Sichuan, 617100, People's Republic of China ~72: CHEN, Shuzhong;DOU, Jun;HE, Benliu;HE, Gaofeng;LIU, Panpan;PENG, Zhonghui;XIAO, Shasha;ZHANG, Kun;ZHANG, Yurong;ZHU, Jinglei~ 33:CN ~31:202310317209.X ~32:28/03/2023

2025/08825 ~ Complete ~54:PDU SET INFORMATION RTP HEADER EXTENSION ~71:INTERDIGITAL VC HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: AHMED HAMZA;SRINIVAS GUDUMASU~ 33:US ~31:63/495,203 ~32:10/04/2023

2025/08793 ~ Provisional ~54:SOLAR-ON-TOWER TELECOM TOWERS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2025/08797 ~ Provisional ~54:METHOD AND HARDWARE FOR A REGULATION SIZE INTERACTIVE ELECTRONIC VISOR ~71:Denis KRASSAS, 4 Smyrna Court 195 Nigel Road Selcourt, South Africa ~72: Denis KRASSAS~

2025/08801 ~ Complete ~54:CYCLIC BENDING FATIGUE TEST DEVICE FOR BENT PIPES AND USAGE METHOD THEREOF ~71:Tianjin University, No.135 Yaguan Road, Jinnan District, Tianjin, 300354, People's Republic of China ~72: LI Zeheng;LI Zhenmian;YU Jianxing;YU Yang;ZHOU Zhiyuan~

2025/08807 ~ Complete ~54:INTEGRATION OF HIGH FREQUENCY AUDIO RECONSTRUCTION TECHNIQUES ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E Herikerbergweg, 1-35, 1101 CN, Amsterdam Zuidoost, Netherlands ~72: HEIKO PURNHAGEN;KRISTOFER KJOERLING;LARS VILLEMOES;PER EKSTRAND~ 33:EP ~31:18169156.9 ~32:25/04/2018

2025/08816 ~ Complete ~54:NK3 MODULATORS AND USES THEREOF ~71:KALLYOPE, INC., 430 East 29th Street, 10th Floor, New York, United States of America ~72: BIFTU, Tesfaye;HE, Shuwen;JOSEPH, Scott B.;MOYES, Christopher;NEELAMKAVIL, Santhosh F.~ 33:US ~31:63/460,109 ~32:18/04/2023;33:US ~31:63/541,107 ~32:28/09/2023;33:US ~31:63/545,395 ~32:24/10/2023

2025/08820 ~ Complete ~54:STRESS-CORROSION-RESISTANT HIGH-STRENGTH AND HIGH-TOUGHNESS MEDIUM CARBON STEEL 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: GAO, Jiaqiang;ZHAO, Sixin~ 33:CN ~31:202310277368.1 ~32:21/03/2023

2025/08821 ~ Complete ~54:TREATMENT OF INFLAMMATORY CONDITIONS COMPRISING IMU-856 ~71:Immunic AG, Lochhamer Schlag 21, GRÄFELFING 82166, GERMANY, Germany ~72: BURIANEK, Franziska;GEGE, Christian;GRÖPPEL, Manfred;KOHLHOF, Hella;MÜHLER, Andreas;VITT, Daniel~ 33:EP ~31:23171616.8 ~32:04/05/2023

2025/08826 ~ Complete ~54:DEEPFAKE DETECTION ~71:PINDROP SECURITY, INC., 1115 Howell Mill Road NW, Suite 700 , Atlanta, Georgia, 30318, United States of America ~72: BRADLEY MAGNETTA;ELIE KHOURY;KAILASH PATIL;LAKSHAY PHATELA;PAYAS GUPTA;SAI PRADEEP PERI;SVETLANA AFANASEVA;TIANXIANG CHEN;UMAIR ALTAF;VIJAY BALASUBRAMANIYAN;YITAO SUN~ 33:US ~31:63/497,587 ~32:21/04/2023;33:US ~31:63/503,903 ~32:23/05/2023;33:US ~31:18/388,364 ~32:09/11/2023;33:US ~31:18/388,385 ~32:09/11/2023;33:US ~31:18/388,412 ~32:09/11/2023;33:US ~31:18/388,428 ~32:09/11/2023;33:US ~31:18/388,447 ~32:09/11/2023;33:US ~31:18/388,457 ~32:09/11/2023;33:US ~31:18/388,466 ~32:09/11/2023;33:US ~31:18/439,049 ~32:12/02/2024

2025/08791 ~ Provisional ~54:FOOT COVERING ~71:POLEY, Lorian Maxine, 14 Malagiet Ave, Randhart, South Africa ~72: POLEY, Lorian Maxine~

2025/08794 ~ Provisional ~54:TELESCOPIC GAMING CONTROLLER ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2025/08800 ~ Complete ~54:METHOD AND SYSTEM FOR IDENTIFYING FLUID IN DEEP UNDERGROUND RESERVOIR, DEVICE AND MEDIUM ~71:HUNAN GEOSUN HI-TECHNOLOGY CO., LTD., Office Building, No.339 Bachelor's Road, Yuelu District, People's Republic of China ~72: CHEN, Qingyao;GAO, Qiao;HE, Xuan;HUANG, Jia;HUANG, Ya;LIU, Bonuo;LONG, Bo;MENG, Chao;PENG, Lingli;XIONG, Liang;YAN, Xiaohua;YU, Changheng~ 33:CN ~31:202510381912.6 ~32:28/03/2025

2025/08802 ~ Complete ~54:METHOD FOR PREPARING NANOCELLULOSE/CURCUMIN COMPOSITE FILM AND USE THEREOF IN FOOD PRESERVATION AND FOOD FRESHNESS DETECTION ~71:Zhejiang University of Science and Technology, No. 318 Liuhe Road, Hangzhou, 310023, People's Republic of China ~72: Daliang GUO;Huifang ZHAO;Junyi WU;Lizheng SHA;Qianyu SUN;Tianzhong YUAN;Xinyi ZHANG;Yihang WANG;Yuting ZHANG~ 33:CN ~31:2025108947027 ~32:30/06/2025

2025/08812 ~ Complete ~54:METHODS FOR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) BY ADMINISTERING AN IL-4R ANTAGONIST ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America;SANOFI BIOTECHNOLOGY, 82 avenue Raspail, 94250 Gentilly, France ~72: ABDULAI, Raolat;LAWS, Elizabeth;MANNENT, Leda;ROBINSON, Lacey;RUDDY, Marcella~ 33:US ~31:63/453,786 ~32:22/03/2023;33:US ~31:63/457,188 ~32:05/04/2023;33:US ~31:63/460,981 ~32:21/04/2023;33:US ~31:63/525,197 ~32:06/07/2023;33:US ~31:63/602,616 ~32:26/11/2023;33:EP ~31:24315012.5 ~32:12/01/2024

2025/08815 ~ Complete ~54:WIRELESS LOCAL AREA NETWORK SWITCHING METHOD AND RELATED DEVICE ~71:LiangPing WANG, No. 37 Health Lane, Wanzhi Town, Wanzhi district,, Wuhu, Anhui, People's Republic of China ~72: LiangPing WANG~

2025/08829 ~ Complete ~54:MAPT-MODULATING COMPOSITIONS AND METHODS OF USE THEREOF ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive Suite 200 San Diego, California 92121, United States of America ~72: BO CHENG;CHANDRAMOULI CHIRUTA;HUEY-JING HUANG;RUI ZHU;ZHEN LI~ 33:US ~31:63/460,874 ~32:20/04/2023;33:US ~31:63/520,070 ~32:16/08/2023;33:US ~31:63/619,022 ~32:09/01/2024

2025/08790 ~ Provisional ~54:HC50 SMART COMPACT RIG ~71:Maarten Van Jaarsveld, 10 Elsenbroek, South Africa ~72: Maarten Van Jaarsveld~

2025/08798 ~ Provisional ~54:TREATMENT OF FLUE GAS POLLUTANTS ~71:MOSTERT, Orlando Louis, 3 Sonkwas Street, Paternoster, Vredenburg 7381, WC, SOUTH AFRICA, South Africa ~72: MOSTERT, Orlando Louis~

2025/08805 ~ Complete ~54:METHOD FOR THE SIMULTANEOUSLY EXTRACTING VOLATILE OIL AND POLYPHENOLS FROM MICHELIA MEDIOCRIS DANDY ~71:Hainan Tropical Ocean University, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province, People's Republic of China ~72: HU Yaqin;LIU Songqi;ZHAN Linjie~

2025/08806 ~ Complete ~54:SOLID COMPOSITIONS COMPRISING A GLP-1 AGONIST, A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIC ACID AND A LUBRICANT ~71:Novo Nordisk A/S, Novo Allé,

BAGSVÆRD DK-2880, DENMARK, Denmark ~72: NISSEN, Birgitte;PEDERSEN, Betty Lomstein~ 33:EP ~31:18154913.0 ~32:02/02/2018

2025/08814 ~ Complete ~54:METHOD FOR EMPTYING BEVERAGE CONTAINERS ~71:GUILLIAMS GREEN POWER NV, Dalemstraat 11, Belgium ~72: GUILLIAMS, Rohald;GUILLIAMS, Ruben~ 33:BE ~31:2023/5217 ~32:22/03/2023

2025/08792 ~ Provisional ~54:STREAMZY ~71:Patrick Adams, 20 Cecelia Way, South Africa ~72: Patrick Adams~

2025/08795 ~ Provisional ~54:HYDRO CARBON CAPTURE ~71:Elemvelo pty Ltd, 2542newtown, Mhluzi, Middleburg, Mpumalanga, 1055, South Africa ~72: Mpho Hopeson mkheswa~

2025/08809 ~ Complete ~54:PRECISE AMMONIA INJECTION DEVICE APPLICABLE TO SNCR+SCR COMBINED DENITRIFICATION PROCESS IN CIRCULATING FLUIDIZED BED BOILERS ~71:CEC ENVIRONMENTAL PROTECTION CO., LTD., Building 3, No. 1800, Chengxin Avenue, People's Republic of China;HEFEI HEYI ENVIRONMENTAL PROTECTION TECHNOLOGY ENGINEERING CO., LTD., Room 901, Building 1066, Beijing Road, People's Republic of China;HEFEI NORMAL UNIVERSITY, No. 1688, Lianhua Road, People's Republic of China ~72: HAN, Bing;HAN, Xiaochun;LING, Bo;LIU, Xunwen~

2025/08813 ~ Complete ~54:DOSING SCHEDULE OF A HER2 INHIBITOR ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BAUM, Anke;CHYLINSKI, Krzysztof;GIBSON, Neil;NEUMUELLER, Ralph;SADROLHEFAZI, Behbood;SCHARN, Dirk;SCHROETER, Lukas;SERRA FIBLA, Josep;VON WANGENHEIM, Ute;WIND, Sven~ 33:EP ~31:23382299.8 ~32:29/03/2023;33:EP ~31:23383067.8 ~32:19/10/2023;33:EP ~31:23383302.9 ~32:15/12/2023;33:EP ~31:24382331.7 ~32:27/03/2024

2025/08822 ~ Complete ~54:MOLECULES FOR MODULATING THE IMMUNE SYSTEM AND USES THEREOF ~71:Seismic Therapeutic, Inc., 250 Arsenal Place, Suite 210 WATERTOWN 02472, MA, USA, United States of America ~72: CHEN, Yen-Lin;CIANCI, Michael P.;CIPOLLETTA, Daniela;GOYDEL, Rebecca;HIGGINSON-SCOTT, Nathan;LUTZ, Stephen R.;OTIPOBY, Kevin L.;PECKNER, Ryan;STANLIE, Andre;VISWESWARAIAH, Jyothsna;ZHOU, Yanfeng~ 33:US ~31:63/462,096 ~32:26/04/2023;33:US ~31:63/601,426 ~32:21/11/2023;33:US ~31:63/609,741 ~32:13/12/2023

2025/08804 ~ Complete ~54:A SERVING PADDLE ~71:Jorge Gouveia FERREIRA, 98 Lindeque Street, Meyersdal, Alberton, 1148, South Africa;Paulo Miguel Pereira LOPES, Sunset Boulevard - Unit 10, 14 Palomino Street, Meyersdal, Alberton, 1448, South Africa;Ricardo Jose Pereira LOPES, 23 Mont Rose, Lincoln Avenue, New Redruth, Alberton, 1448, South Africa ~72: Jorge Gouveia FERREIRA;Paulo Miguel Pereira LOPES;Ricardo Jose Pereira LOPES~ 33:ZA ~31:2024/08179 ~32:30/10/2024;33:ZA ~31:2024/08722 ~32:18/11/2024

2025/08808 ~ Complete ~54:FEM COMPRISING SWITCH, AND ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DONGIL YANG;HYOSEOK NA;JONGHUN YOO;YOHAN MOON~ 33:KR ~31:10-2022-0054488 ~32:02/05/2022;33:KR ~31:10-2022-0106489 ~32:24/08/2022;33:KR ~31:10-2023-0042108 ~32:30/03/2023

2025/08811 ~ Complete ~54:AN IMPLANT ~71:JAGE RESEARCH AND INNOVATIONS (PTY) LTD, CARE OF RVN SUITE 204, SECOND FLOOR, XCELPARK BUILDING, 441 RODERICKS ROAD, LYNNWOOD, PRETORIA, GAUTENG, 0081, South Africa ~72: JORDAAN, Gert, Jacobus~ 33:ZA ~31:2023/03885 ~32:28/03/2023;33:ZA ~31:2024/00839 ~32:25/01/2024

2025/08818 ~ Complete ~54:WIRELESS ROAMING METHOD AND APPARATUS ~71:LiangPing Wang, No. 37 Health Lane, Wanzhi Town, Wanzhi district,, Wuhu, Anhui, 241100, People's Republic of China ~72: LiangPing Wang~

2025/08823 ~ Complete ~54:PRODUCTS, SYSTEMS, AND METHODS FOR TRANSPORTING METAL ~71:Alcoa USA Corp., 201 Isabella Street, PITTSBURGH 15212-5858, PA, USA, United States of America ~72: HYERS, Robert;LIU, Xinghua;MOSSER, Benjamin D.~ 33:US ~31:63/462,628 ~32:28/04/2023

2025/08827 ~ Complete ~54:FORMULATIONS FOR OLIGONUCLEOTIDE DELIVERY ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ANDY PHUNG;BO PANG;GANG SHEN;HAN YUEH;KAMRAN SIMANI;LIGANG ZHANG;LIUWEI JIANG;LUBOMIR NECHEV;MATTHIAS KRETSCHMER~ 33:US ~31:63/495,652 ~32:12/04/2023;33:US ~31:63/631,377 ~32:08/04/2024

2025/08819 ~ Complete ~54:NUCLEIC ACID MOLECULE COMPRISING ASYMMETRICALLY MODIFIED ITR FOR IMPROVING EXPRESSION RATE OF INSERTED GENE, AND USE THEREOF ~71:GeneCraft Inc., E9-480, 1 Chungdae-ro, Seowon-gu, CHEONGJU-SI 28644, CHUNGCHEONGBUK-DO, REPUBLIC OF KOREA, Republic of Korea ~72: BAE, Suk Chul;CHI, Xinzi;KIM, Woo-Jin;LEE, You Soub;YOO, Seo Yeong~ 33:US ~31:18/190,590 ~32:27/03/2023

2025/08824 ~ Complete ~54:METHODS OF TREATING HEPATIC-ONLY METASTATIC UVEAL MELANOMA ~71:Ideaya Biosciences, Inc., 7000 Shoreline Court, Suite 350, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America;Pfizer Inc., 235 East 42nd Street, NEW YORK 10017, NY, USA, United States of America ~72: HATA, Yujiro;MAURER, Matthew Anthony;O'QUIGLEY, Michael Gabriel~ 33:US ~31:63/497,590 ~32:21/04/2023

2025/08828 ~ Complete ~54:MATERIAL, APPARATUS, AND METHOD FOR ELECTRICALLY SHIELDING HEATED COMPONENTS ~71:WAGSTAFF, INC., 3910 N. Flora Road, Spokane Valley, Washington, 99216, United States of America ~72: JACOB LEE KERBS;NICHOLAS RYAN TEBBE~ 33:US ~31:18/305,033 ~32:21/04/2023

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2025/08832 ~ Provisional ~54:NEW SHAPE MOBILE DEVICES (CELLPHONE, TABLET, FLIP PHONE) ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2025/08833 ~ Provisional ~54:BATTERY CONNECTOR ~71:COETZEE, Renier, Plot 45 A, Elandsfontein, Eco Park, South Africa ~72: COETZEE, Bennie;COETZEE, Renier~

2025/08839 ~ Complete ~54:SNP PRIMER SET FOR IDENTIFYING EAST-WEST SLOPE SUBPOPULATIONS OF PINUS SQUAMATA, IDENTIFICATION METHOD AND APPLICATION THEREOF ~71:Kunming Institute of Botany, Chinese Academy of Sciences, No. 132 Lanhei Road, Heilongtan, Northern Suburb, Kunming City, Yunnan Province, 650201, People's Republic of China ~72: Gao Xuesong;Li Ruofei;Liu Detuan;Liu Xiongfang;Liu Zhengjiang;Ma Yongpeng;Zhang Rengang;Zhang Ticao~

2025/08841 ~ Complete ~54:METHOD FOR EFFICIENTLY ACQUIRING WILD HABROBRACON HEBETOR RESOURCES, AND USE ~71:Enshi Branch of Hubei Tobacco Company, No. 119 Shizhou Avenue, Enshi City, Enshi Tujia and Miao Autonomous Prefecture, Hubei Province, 445000, People's Republic of China ~72: HUANG, Yong;JI, Fei;LEI, Chunmei;LONG, Qiu;SONG, Xingyi;SUN, Yuxiao;WANG, Shuang;WANG, Xin;XIA, Pengliang;XIANG, Bikun;XU, Tingting;ZHU, Fangge;ZUO, Mei~

2025/08842 ~ Complete ~54:INTELLIGENT FAULT DIAGNOSIS SYSTEM FOR HIGH-VOLTAGE CIRCUIT BREAKERS BASED ON EDGE CALCULATION ~71:Putian University, No. 2121, Zixiao East Road, Xitianwei Town, Licheng District, Putian City, Fujian Province, People's Republic of China ~72: CHEN Weixian;LIN Chuan;YU Zhihui~

2025/08857 ~ Complete ~54:TROP2 BINDERS AND CONJUGATES THEREOF ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: ANGAGAW, Minilik;BOWMAN, Edward Paul;CHEN, Ming-Tang;FAYADAT-DILMAN, Laurence;GIL, Malgorzata A.;HINTON, Marlene C.;HUA, Zhong;JOHNSON, Rebecca Elizabeth;LANG, Simon B.;SEGANISH, W. Michael;WAIGHT, Andrew B.~ 33:US ~31:63/497,994 ~32:24/04/2023

2025/08858 ~ Complete ~54:NOVEL COMPOUNDS FOR THE TREATMENT OF DISEASE ASSOCIATED WITH ALPHA-SYNUCLEIN AGGREGATES ~71:AC Immune SA, EPFL Innovation Park, Building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: BHAWNANI, Karishma;DREYFUS, Nicolas~ 33:EP ~31:23173478.1 ~32:15/05/2023;33:EP ~31:23203540.2 ~32:13/10/2023;33:EP ~31:24161574.9 ~32:05/03/2024

2025/08859 ~ Complete ~54:GENERAL MODEL BUILDING METHOD FOR DEFECT DETECTION ON PANEL PRODUCTION LINES ~71:CHENGDU UNION BIG DATA TECHNOLOGY CORPORATION, No.270, 2nd Floor, No.8 Jinxiu Street, Wuhou District Chengdu, People's Republic of China ~72: LUO, Hongming;SUN, Chongjing;YANG, Junyu~ 33:CN ~31:202410964461.4 ~32:18/07/2024

2025/08851 ~ Complete ~54:SMELTING FURNACE ARRANGEMENT ~71:METSO METALS OY, Rauhalanpuisto 9, 02230 Espoo, Finland ~72: ILPO LOIKKANEN;MARKKU LAHTINEN;PETER BJÖRKLUND~

2025/08862 ~ Provisional ~54:VAULTTRACE: A DIGITAL SYSTEM AND METHOD FOR SECURE POSTHUMOUS DISCOVERY AND VERIFICATION OF FINANCIAL AND ASSET HOLDINGS. ~71:Mashiri Zvarimwa, The Blyde Riverwalk Estate, South Africa ~72: Mashiri Zvarimwa~

2025/08853 ~ Complete ~54:HYDROPHOBIC AND HYDROPHILIC MODIFIED MALEATED NATURAL OILS AND AGRICULTURAL COMPOSITIONS THEREOF ~71:ISP Investments LLC, 1011 Centre Road, Suite 315, WILMINGTON 19805, DE, USA, United States of America ~72: CHENAULT, Henry Keith;GHOSH, Mousumi;MOORE, Kiel Trenton;MUSA, Osama M.~ 33:US ~31:63/453,964 ~32:22/03/2023

2025/08835 ~ Provisional ~54:ADAPTIVE BOILER TUBE INTEGRITY SYSTEM AND PREDICTIVE FAILURE METHOD ~71:Francois Nicolaas Coertze, Sunbird cottage Otters creek farm, Oysterbay road, st francis, South Africa ~72: Francois Nicolaas Coertze~

2025/08836 ~ Provisional ~54:PRODUCTION OF COMPOSITIONS COMPRISING CANNABINOIDS, TERPENES, AND/OR CANNABIMIMETIC COMPOUNDS EXHIBITING ENHANCED PHYTO-PHARMACOKINETIC AND PHYTOCHEMICAL SYNERGISTIC PROPERTIES. ~71:Gertruida Elizabeth De Jong, 15 Tiptol Street, South Africa ~72: Gertruida Elizabeth De Jong~

2025/08838 ~ Complete ~54:MEDICAL INTENSIVE CARE NURSING DISINFECTION DEVICE ~71:People's Hospital of Yuxi City, Yuxing Street, Hongta District, Yuxi City, Yunnan Province, 653100, People's Republic of China;Yuanjiang County People's Hospital, Yuanjiang County, Yuxi City, Yunnan Province, 653100, People's Republic of China;Yuxi Children's Hospital, Liqi Street, Hongta District, Yuxi City, Yunnan Province, 653100, People's Republic of China ~72: HU Kun;YANG Lingjun;ZHANG Xinyun~

2025/08846 ~ Complete ~54:HYDRAULIC GAS COMPRESSOR ~71:MAGNOKINETICS LTD, 39 Misiaouli & Kavazoglou Limassol, Cyprus ~72: ATALLAH, Kais;BOUHERAOUA, Mohammed;LAZARI, Panagiotis~ 33:GB ~31:2304074.4 ~32:21/03/2023

2025/08849 ~ Complete ~54:PHARMACEUTICAL COMPOSITION CONTAINING DIPEPTIDYL PEPTIDASE SMALL MOLECULE INHIBITOR ~71:HAISCO PHARMACEUTICALS PTE. LTD., 10 Anson Road, #13-09 International Plaza, 079903, Singapore ~72: BO LIU;DONG REN;XIAOFEI CUI;ZAIYANG XU;ZHI'ANG YAO~ 33:CN ~31:202310291119.8 ~32:23/03/2023

2025/08850 ~ Complete ~54:SUSPENSION SMELTING FURNACE ~71:METSO METALS OY, Rauhalanpuisto 9, 02230 Espoo, Finland ~72: MARKKU LAHTINEN;PETER BJÖRKLUND~

2025/08848 ~ Complete ~54:TRANSCEIVER INTERFACE AND TRANSCEIVER SYSTEM ~71:FLEXOPTIX GMBH, Mühltalstr. 153, 64297, Darmstadt, Germany ~72: ARNOLD, Markus;WEIBLE, Thomas;ÖNAL, David Elias~ 33:DE ~31:10 2023 109 616.8 ~32:17/04/2023

2025/08852 ~ Complete ~54:EXTENSION SYSTEM FOR AVIARIES ~71:ZUCAMI POULTRY EQUIPMENT, S.L.U., Pol. Industrial Morea Norte, C/C, 2, Spain ~72: Alvaro HURTADO SALAGRE~ 33:ES ~31:P202330337 ~32:28/04/2023

2025/08845 ~ Complete ~54:CEACAM5 MRNA ASSAY FOR PATIENT SELECTION IN CANCER THERAPY ~71:SANOFI, 46 avenue de la Grande Armée, France ~72: BAUCHET, Anne-Laure;COMBEAU, Cécile;DEMERS, Brigitte;HENRY, Christophe;PALU, Cintia;TERNES, Nils~ 33:US ~31:63/491,815 ~32:23/03/2023;33:EP ~31:23175455.7 ~32:25/05/2023

2025/08856 ~ Complete ~54:CUTTING ELEMENTS, EARTH-BORING TOOLS INCLUDING SUCH CUTTING ELEMENTS, AND RELATED METHODS OF MAKING AND USING SAME ~71:Baker Hughes Oilfield Operations LLC, 17021 Aldine Westfield Road, HOUSTON 77073, TX, USA, United States of America ~72: HANAFY, Ahmed;ROBERTSON, Andrew~ 33:US ~31:63/495,959 ~32:13/04/2023

2025/08831 ~ Provisional ~54:A LID ~71:SCHULD HOLDINGS (PTY) LTD, 14 IQ ARABELLA, SIX FOUNTAINS, South Africa ~72: CHRISTIAAN OSCAR SCHULD;LUDWICH KARL SCHULD~

2025/08837 ~ Provisional ~54:BINDER-ACTIVATED PROCESS FOR MANUFACTURING SUSTAINABLE BRICKS AND PAVERS USING 100% RECYCLED CONSTRUCTION AND DEMOLITION WASTE ~71:NOTHANA HOLDINGS PTY LTD, 1224 Embankment Avenue, South Africa;Thabiso Nothana, 1224 Embankment Avenue, South Africa ~72: Thabiso Johannes Nothana;Thabiso Nothana~ 33:ZA ~31:3 ~32:14/10/2025

2025/08854 ~ Complete ~54:DISPERSANT COMPOSITIONS COMPRISING HYDROPHOBIC AND HYDROPHILIC MODIFIED MALEATED NATURAL OILS, AND APPLICATIONS THEREOF ~71:ISP Investments LLC, 1011 Centre Road, Suite 315, WILMINGTON 19805, DE, USA, United States of America ~72: FARES, Hani M.;HAN, Seong Gan;MUSA, Osama M.;PRETTYPAUL, Donald I.~ 33:US ~31:63/453,907 ~32:22/03/2023

2025/08847 ~ Complete ~54:CYCLE RECOVERY SYSTEM FOR FLOW BATTERY AND RECOVERY METHOD THEREFOR ~71:DALIAN RONGKE POWER GROUP CO., LTD, No. 20-10, Yingchun Street, Dalian Huayuankou Economic Zone, People's Republic of China ~72: CHEN, Yanbo;HAN, Xin;HAO, Yue;LIU, Zhining;SONG, Mingming;WANG, Longfei;ZENG, Fanwu~ 33:CN ~31:202411438680.5 ~32:15/10/2024

2025/08834 ~ Provisional ~54:METHODS AND SYSTEMS FOR ANTI-JAMMING REMOTE KEYLESS ENTRY SYSTEMS ~71:UNIVERSITY OF JOHANNESBURG, Cnr Kingsway Avenue and University Road, Auckland Park, JOHANNESBURG 2006, SOUTH AFRICA, South Africa ~72: DE KAMPER, Jan Adriaan;SINHA, Saurabh;VENTER, Johan~

2025/08860 ~ Complete ~54:WRINKLE DETERMINATION OF A HUMAN INDIVIDUAL ~71:BEIERSDORF AKTIENGESELLSCHAFT, Beiersdorfstrasse 1-9, Germany ~72: BIENKOWSKA, Agata;FALCKENHAYN, Cassandra;GRÖNNIGER, Elke;KRISTOF, Boris;SÖHLE, Jörn~ 33:EP ~31:23172254.7 ~32:09/05/2023

2025/08840 ~ Complete ~54:REARING DEVICE FOR EPHESTIA ELUTELLA LARVAE ~71:Enshi Branch of Hubei Tobacco Company, No. 119 Shizhou Avenue, Enshi City, Enshi Tujia and Miao Autonomous Prefecture, Hubei Province, 445000, People's Republic of China ~72: HUANG, Yong;JI, Fei;LEI, Chunmei;SONG, Xingyi;SUN, Yuxiao;WANG, Shuang;WANG, Xin;XIA, Pengliang;XIANG, Bikun;XU, Tingting;ZHU, Fangge;ZHU, Zongdi;ZUO, Mei~

2025/08843 ~ Complete ~54:TIBETAN MEDICINE URINE DIAGNOSIS DEVICE ~71:Shannan Tibetan Medicine Hospital, No. 3, Gesang Road, Zedang Town, Naidong District, Shannan City, Xizang Autonomous Region, 856000, People's Republic of China ~72: Gamaqujie~ 33:CN ~31:2025111379965 ~32:13/08/2025

2025/08844 ~ Complete ~54:METHOD FOR PREPARING ELEMENTAL ARSENIC FROM HIGH-ARSENIC ACIDIC WASTEWATER BY ME-C REDUCTION METHOD ~71:Northeastern University, No. 11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110004, People's Republic of China ~72: CHEN Guomin;CHEN Yajing;TONG Linlin;YANG Hongying;ZOU Mingjun~

2025/08855 ~ Complete ~54:LOW VISCOSITY CM-MFC ~71:Suzano S.A., Avenida Professor Magalhães Neto, nº 1.752, 10º andar, salas 1010 e 1011, Pituba, SALVADOR - BA 41810-012, BRAZIL, Brazil ~72: MAI, Estevão Frigini;RAMIRES, Heloísa Ogushi Romeiro;SPADAFORA, Bruna Papa~ 33:US ~31:63/453,874 ~32:22/03/2023

. - APPLIED ON 2025/10/22 -

2025/08888 ~ Complete ~54:METHOD FOR CONTROLLING PARASITIC WEEDS (OROBANCHE) IN PROTOPORPHYRINOGEN OXIDASE (PPO)-INHIBITOR TOLERANT SUNFLOWER CROP ~71:BASF AGRO B.V., VELPERPLEIN 23, 6811 AH ARNHEM, THE NETHERLANDS, Netherlands ~72: JANSENS, Stefan;MARTINS, Bianca, Assis, Barbosa;PFENNING, Matthias~ 33:EP ~31:23165225.6 ~32:29/03/2023

2025/08901 ~ Complete ~54:ASTHMA TREATMENT BY BLOCKING IL-13 AND TSLP ~71:SANOFI, 46 avenue de la Grande Armée, France ~72: DEITEREN, Annemie;IMBERDIS, Karine;KRUPKA, Emmanuel;PATEL, Naimish;STAUDINGER, Heribert;SURATT, Benjamin~ 33:EP ~31:23305412.1 ~32:24/03/2023;33:EP ~31:23191749.3 ~32:16/08/2023;33:EP ~31:23214508.6 ~32:06/12/2023

2025/08868 ~ Provisional ~54:CONTAINED FLAVORANT SMOKING COMPOSITION AND METHOD OF USE ~71:Timothy Cronin Coetzee, 33 Ninow, Pretoria, Gauteng, 0185, South Africa ~72: Jh Coetzee;Timothy Cronin Coetzee~

2025/08883 ~ Complete ~54:FLUORINE-FREE HYDROPHOBIC PERMEABLE MATERIAL COATING ~71:DONALDSON COMPANY, INC., 1400 WEST 94th STREET, BLOOMINGTON, MINNESOTA 55431, USA, United States of America ~72: GOERTZ, Matthew, P.;MORAVEC, Davis, B.;SONTAG, Stephen, K.;YODER, Mikayla, A.~ 33:US ~31:63/456,327 ~32:31/03/2023;33:US ~31:63/612,164 ~32:19/12/2023

2025/08889 ~ Complete ~54:ABRASION-RESISTANT BLOWN FILM WITH EVOH OUTER LAYER AND METHOD FOR PRODUCING SAME ~71:CONSTANTIA PIRK GMBH & CO. KG, PIRKMÜHLE 14-16, 92712 PIRK, GERMANY, Germany ~72: GREFENSTEIN, Achim;LAMTIGUI, Thami;SCHRAML, Ulrike~ 33:AT ~31:A50224/2023 ~32:28/03/2023

2025/08895 ~ Complete ~54:A BIOFERTILIZER ~71:Natural Plant Protection Limited, UPL Ltd, Uniphos House, Madhu Park, C.D.Marg, Khar W, MUMBAI 400052, INDIA, India ~72: KUMAR, Dhirendra;PALAKURI, Jayalakshmi;PUTTASWAMY, Rekha~ 33:IN ~31:202321020356 ~32:23/03/2023

2025/08897 ~ Complete ~54:BACTERIAL COMPOSITIONS AND METHODS FOR THE PROTECTION OF TOMATO FROM CLAVIBACTER MICHIGANENSIS SUBSP. MICHIGANENSIS (CMM) ~71:The Royal Institution for the Advancement of Learning/McGill University, 845 Sherbrooke Street West, James Administration Building, MONTREAL H3A 0G4, QUÉBEC, CANADA, Canada ~72: FAZLI, Mabood~ 33:US ~31:63/492,074 ~32:24/03/2023;33:US ~31:63/619,441 ~32:10/01/2024

2025/08907 ~ Complete ~54:OPTIMIZED CSP VARIANTS AND RELATED METHODS ~71:BIONTECH SE, An der Goldgrube 12, 55131, Mainz, Germany ~72: ANJA DOKIC;CHARLES JENNISON;KARLA-GERLINDE SCHRAUT;PATRICIA DOS SANTOS MEIRELES;SVENJA GROBE;THOMAS ZIEGENHALS;UGUR SAHIN~ 33:IB ~31:PCT/IB2023/054622 ~32:03/05/2023;33:US ~31:63/515,321 ~32:24/07/2023;33:US ~31:63/586,224 ~32:28/09/2023

2025/08878 ~ Complete ~54:QUANTITATIVE ANALYSIS METHOD IN FINANCE BASED ON A MULTI-AGENT GROUP CROSS-ADVERSARIAL FRAMEWORK ~71:TONGJI UNIVERSITY, 1239 Siping Road, People's Republic of China ~72: Xueru BAI;Ye QIAO;Yuanrui LI~ 33:CN ~31:2025113520182 ~32:22/09/2025

2025/08882 ~ Complete ~54:CDK2 INHIBITORS AND METHODS OF USING SAME ~71:FOSHAN IONOVA BIOTHERAPEUTICS CO., INC., Suite 403-1, Building C, Foshan Hi-Tech Park, 60 Guxin Road, People's Republic of China;GUANGDONG TOUCHSTONE TRANSLATIONAL RESEARCH INSTITUTE CO., LTD., Floor 7, Building C, Foshan Hi-Tech Park, 60 Guxin Road, People's Republic of China;SHENZHEN IONOVA LIFE SCIENCE CO., LTD., Floor 16, Building 10, Shenzhen Biomedical Innovation Park, 14 Jinghui Road, People's Republic of China ~72: BAI, Chang;CAO, Yexing;QIN, Jialiang;SU, Jing;YANG, Hongjian~ 33:CN ~31:PCT/CN2023/090329 ~32:24/04/2023;33:US ~31:63/501,034 ~32:09/05/2023;33:CN ~31:PCT/CN2023/127659 ~32:30/10/2023;33:US ~31:63/615,863 ~32:29/12/2023

2025/08896 ~ Complete ~54:PISTON RINGS FOR STEAM TURBINE VALVES AND PISTON RING ASSEMBLIES ~71:GE Vernova Technology GmbH, Brown Boveri Strasse 8, BADEN 5400 , SWITZERLAND, Switzerland ~72: REIGL, Martin~

2025/08864 ~ Provisional ~54:GWEN (ERN) ENTROPY REGULATED NETWORK ~71:Matthew Ryan Cholewinski, 16c Van Riebeeck Rd, South Africa ~72: Matthew Ryan Cholewinski~

2025/08865 ~ Provisional ~54:FUEL-AGNOSTIC CENTRIFUGAL FLOW MICRO-TURBINE WITH STACKABLE MODULAR ARCHITECTURE ~71:Bryan Fouche, 23 3rd Avenue, Melkbosstrand, Cape Town, Western Cape, 7441, South Africa ~72: Bryan Fouche~

2025/08866 ~ Provisional ~54:GEOPOLYMER REFRACTORY COMPOSITION AND COOKSTOVE SYSTEM ~71:BRIDGE CARBON LIMITED, c/o TMF Group, 13th Floor, One Angel Court, London, EC2R 7HJ, United Kingdom ~72: ANTON ODENDAAL~

2025/08869 ~ Complete ~54:PLANTING AND BREEDING CIRCULATING FERTILIZER SUITABLE FOR SANDY SOIL IMPROVEMENT AND PREPARATION METHOD THEREOF ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, No. 23788, Gongye North Road, People's Republic of China ~72: JING, Yongping;LI, Yan;LIU, Lining;LIU, Shenglin;LIU, Zhaodong;MA, Changjian;SUN, Zeqiang;WANG, Fang~

2025/08899 ~ Complete ~54:1-H-PYRROLO[2,3-C]PYRIDINE COMPOUNDS ACTING AGAINST CANCER VIA AGONISM OF MENIN ~71:Acerta Pharma B.V., Kloosterstraat 9, OSS AB 5349, THE NETHERLANDS,

Netherlands ~72: ATKINSON, Stephen;DE BRUIN, Gerjan;IZZO, Flavia;JANSEN, Chimed;KINZEL, Olaf;PACKER, Martin;VERKAIK, Saskia;VOETS, Robin~ 33:US ~31:63/491,978 ~32:24/03/2023

2025/08904 ~ Complete ~54:TWT OPERATION IN WIRELESS NETWORKS ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BOON LOONG NG;ELLIOT JEN;PESHAL NAYAK;RUBAYET SHAFIN;VISHNU VARDHAN RATNAM;YUE QI~ 33:US ~31:63/524,803 ~32:03/07/2023;33:US ~31:63/525,894 ~32:10/07/2023;33:US ~31:63/538,257 ~32:13/09/2023;33:US ~31:18/750,138 ~32:21/06/2024

2025/08910 ~ Provisional ~54:OVERTAKING METER ~71:KHOMOTSO BOY MATLOU, 415 Mpheleng Village Dennilton, South Africa ~72: KHOMOTSO BOY MATLOU~

2025/08872 ~ Complete ~54:HANDLING OF VERIFICATION CHAINS IN THE AUTHENTICATION OF DATA STREAMS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: HELLGE, Cornelius;HINZ, Tobias;MARPE, Detlev;PFAFF, Jonathan;SCHIERL, Thomas;SCHWARZ, Heiko;SKUPIN, Robert;SÁNCHEZ DE LA FUENTE, Yago;SÜHRING, Karsten;WIEGAND, Thomas~ 33:EP ~31:24208515.7 ~32:23/10/2024

2025/08877 ~ Complete ~54:ENDOPHYTIC FUNGI OF CORYDALIS SAXICOLA, EXTRACTION METHOD AND APPLICATION THEREFOR ~71:Anqing Normal University, No. 1318 Jixian North Road, Anqing City, Anhui Province, 246133, People's Republic of China;Hefei Normal University, No. 1688, Lianhua Road, Hefei, Anhui Province, 230601, People's Republic of China ~72: Fang, Liangrui;Guang, Ying;Huangyang, Wei'er;Li, Jiaying;Wang, Jingyi;Wang, Kangkang;Wang, Xinwen;Yang, Chuncheng;Ye, Zihang;Yin, Liwei;Zhai, Yushan;Zheng, Liang;Zhu, Chenchen;Zhu, Yu~ 33:CN ~31:202510223194X ~32:27/02/2025

2025/08891 ~ Complete ~54:SAPC RELEASE AND MAINTANENCE OF THE EXECUTED CONFIGURATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AWADA, Ahmad;KAINULAINEN, Jani-Pekka;KARABULUT, Umur;ZHANG, Xin~ 33:US ~31:63/494,508 ~32:06/04/2023

2025/08894 ~ Complete ~54:CONTEXT ADAPAPTIVE BINARY ARITHMETIC CODING INITIALIZATION FOR GRADUAL DECODER REFRESH PICTURES ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HONG, Seungwook;PANUSOPONE, Krit;WANG, Limin~ 33:US ~31:63/493,294 ~32:30/03/2023

2025/08898 ~ Complete ~54:FERMENTED BINDING SERUM ~71:Actera Ingredients, Inc., 66 Walker Lane, NEWTON 18940, PA, USA, United States of America ~72: WINN, Daniel~ 33:US ~31:63/498,920 ~32:28/04/2023;33:IB ~31:23/29133 ~32:31/07/2023

2025/08905 ~ Complete ~54:NEW POLYPEPTIDE ~71:AFFIBODY AB, Scheeles väg 2, 171 65, Solna, Sweden ~72: ELIN GUNNERIUSSON;JOAKIM NILSSON;SUSANNE KLINT~ 33:EP ~31:23171559.0 ~32:04/05/2023

2025/08871 ~ Complete ~54:AUTHENTICATION OF SUPPLEMENTAL INFORMATION IN DATA STREAMS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: HELLGE, Cornelius;HINZ, Tobias;MARPE, Detlev;PFAFF, Jonathan;SCHIERL, Thomas;SCHWARZ, Heiko;SKUPIN, Robert;SÁNCHEZ DE LA FUENTE, Yago;SÜHRING, Karsten;WIEGAND, Thomas~ 33:EP ~31:24208513.2 ~32:23/10/2024

2025/08874 ~ Complete ~54:VARIANT ICOS LIGAND IMMUNOMODULATORY PROTEINS AND RELATED COMPOSITIONS AND METHODS ~71:Alpine Immune Sciences, Inc., 188 East Blaine Street, Suite 200, SEATTLE 98102 , WA, USA, United States of America ~72: EVANS, Lawrence;KORNACKER, Michael;SWANSON, Ryan~ 33:US ~31:62/574,161 ~32:18/10/2017

2025/08909 ~ Complete ~54:INTEGRATED MANIFOLD FOR PRE-CLEANER DUST REMOVAL ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: FINN, Timothy S.;OEDEWALDT, Stephen Ellis;SPENGLER, Philip C.~ 33:US ~31:18/139,767 ~32:27/03/2023

2025/08885 ~ Complete ~54:MICROFLUIDIC DEVICES ~71:DONALDSON COMPANY, INC., 1400 WEST 94th STREET, BLOOMINGTON, MINNESOTA 55431, USA, United States of America ~72: COLLING, Connor, J.;HAUSER, Bradly, G.;MORAVEC, Davis, B.;NELSON, Jacob, A.~ 33:US ~31:63/455,886 ~32:30/03/2023

2025/08892 ~ Complete ~54:HIGH GRANULARITY DECODER-SIDE CROSS-COMPONENT LOOP FILTER ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ASTOLA, Pekka;GHAZNAVI YOUVALARI, Ramin~ 33:US ~31:63/493,420 ~32:31/03/2023

2025/08893 ~ Complete ~54:METHOD, APPARATUS AND COMPUTER PROGRAM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DEGHEL, Matha;HUGL, Klaus~ 33:GB ~31:2305004.0 ~32:04/04/2023

2025/08908 ~ Complete ~54:DISUBSTITUTED PYRIMIDINE COMPOUNDS FOR KETOHEXOKINASE INHIBITION ~71:CENTENNIAL THERAPEUTICS, LLC, 15857 East Aberdeen Avenue Centennial, Colorado 80016, United States of America ~72: ERIK J TILLMAN;GAVIN WHITLOCK;PAUL GLOSSOP;TIMOTHY P ROLPH~ 33:US ~31:63/495,649 ~32:12/04/2023

2025/08863 ~ Provisional ~54:SYSTEM AND METHOD FOR GUIDED LIVING WAGE JOURNEY, DATA FUSION, AND VERIFIABLE REPORT GENERATION ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2025/08867 ~ Provisional ~54:SYSTEM AND METHOD FOR CONNECTING CUSTOMERS AND BUSINESSES ~71:ERNST, Johann Heinrich, 15 Jeffers Street, Midstream Hill, South Africa ~72: ERNST, Johann Heinrich~

2025/08870 ~ Complete ~54:AUTHENTICATION OF DATA STREAMS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: HELLGE, Cornelius;HINZ, Tobias;MARPE, Detlev;PFAFF, Jonathan;SCHIERL, Thomas;SCHWARZ, Heiko;SKUPIN, Robert;SÁNCHEZ DE LA FUENTE, Yago;SÜHRING, Karsten;WIEGAND, Thomas~ 33:EP ~31:24208512.4 ~32:23/10/2024;33:EP ~31:25151620.9 ~32:13/01/2025

2025/08873 ~ Complete ~54:DATA ASSIMILATION-BASED PARAMETER OPTIMIZATION METHOD FOR DEEP-SHALLOW COUPLED THREE-DIMENSIONAL IN-SITU STRESS MODELS ~71:Ocean University of China, No.238 Songling Road, Laoshan District, Qingdao City, Shandong Province, 266100, People's Republic of China ~72: Lin, Haona;Liu, Yifeng;Liu, Ze;Lu, Kaiyue;Meng, Qingyu;Shu, Pengcheng;Wang, Ruibo;You, Yixun;Zhang, He;Zhang, Lulu~ 33:CN ~31:2025102374515 ~32:03/03/2025

2025/08879 ~ Complete ~54:METHOD AND DEVICE FOR CALIBRATING A CAMERA USED FOR OPTICAL RECOGNITION ~71:IDEMIA PUBLIC SECURITY FRANCE, 2 Place Samuel de Champlain, 92400, Courbevoie, France ~72: CÉDRIC THUILLIER;JEAN BEAUDET;MARINA POUET;STÉPHANE PEPING;SÉBASTIEN BRONSART~ 33:FR ~31:2411932 ~32:31/10/2024

2025/08880 ~ Complete ~54:FORMULATIONS COMPRISING RECOMBINANT ACID ALPHA-GLUCOSIDASE ~71:AMICUS THERAPEUTICS, INC., 1 Cedar Brook Drive, Cranbury, New Jersey, 08512, United States of America ~72: ENRIQUE DILONÉ;HING CHAR;HUNG DO;RUSSELL GOTSCHALL;SERGEY TESLER;WENDY SUNDERLAND~ 33:US ~31:62/315,436 ~32:30/03/2016;33:US ~31:62/457,588 ~32:10/02/2017;33:US ~31:15/473,999 ~32:30/03/2017

2025/08881 ~ Complete ~54:SYSTEM AND METHOD FOR ELECTRONIC SELF-SERVICE ORDERING ~71:Colette Kruger, 11th Avenue, Carpe Diem, Unit 110, Melkbosstrand, South Africa ~72: Colette Kruger~

2025/08884 ~ Complete ~54:BISPECIFIC CHIMERIC ANTIGEN RECEPTORS TARGETING CD20 AND BCMA ~71:ABELZETA INC., 9605 MEDICAL CENTER DRIVE, SUITE 100, ROCKVILLE, MARYLAND 20850, UNITED STATES OF AMERICA, United States of America ~72: HUANG, Jiaqi;LUO, Xiaobing;WEI, Yutian;YAO, Xin;YAO, Yihong;ZHU, Shigui~ 33:US ~31:63/493,495 ~32:31/03/2023;33:US ~31:63/509,371 ~32:21/06/2023

2025/08887 ~ Complete ~54:HIGHLY INTEGRATED CAPROLACTAM RECYCLING PROCESS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BEYER, Caroline;BLEI, Stefan;EL-TOUFAILI, Faissal-Ali;LARYEA, Esther, Matyka;LIU, Bao;MANGOLD, Hannah, Stephanie;NEU, Volker;RAVIKUMAR, Vikram;RICHTER, Florian;VANDER STRAETEN, Bart;WIEBELHAUS, Dag~ 33:CN ~31:PCT/CN2023/085480 ~32:31/03/2023;33:CN ~31:PCT/CN2023/130784 ~32:09/11/2023

2025/08890 ~ Complete ~54:ELECTROCHEMICAL DEVICE ~71:SOLYDERA SA, AVENUE DES SPORTS 26, 1400 YVERDON-LES-BAINS, SWITZERLAND, Switzerland ~72: CORNU, Thierry;OUWELTJES, Jan, Pieter;WAEBER, Florian;WUILLEMIN, Zacharie~ 33:EP ~31:23170282.0 ~32:27/04/2023

2025/08900 ~ Complete ~54:METHOD FOR DETERMINING A FLUX OF AERIAL PARTICULATES AND ASSOCIATE ELECTRONIC DEVICE ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Beatriz GONZALEZ FERNANDEZ;Jaime PEREZ ORDIERES;Pablo CORROCHANO DIAZ~ 33:IB ~31:PCT/IB2024/056449 ~32:06/07/2023

2025/08902 ~ Complete ~54:RINSE-OFF HAIR COSMETIC COMPOSITIONS, METHOD OF TREATING HAIR, METHOD FOR PROVIDING IMPROVED CURLS DEFINITION TO THE HAIR AND USE OF A COMPOSITION ~71:L'OREAL, 14, rue Royale, France ~72: ANDRIOLO, Cyrus;PETALI, Érika Alegrio Jarque~

2025/08903 ~ Complete ~54:SALT OF PIPERIDYLINDOLE COMPOUND AND PREPARATION METHOD THEREFOR ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 11, No. 3728 Jinke Road, (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: HE, Lei;LIU, Xueliang;YANG, Tong~ 33:CN ~31:202310477153.4 ~32:27/04/2023

2025/08906 ~ Complete ~54:CHIMERIC MODIFIED ION CHANNELS AND USES THEREOF FOR TREATMENT OF TRIGEMINAL NERVE DISORDERS ~71:KRIYA THERAPEUTICS, INC., 4105 Hopson Rd., Morrisville, North Carolina, 27560, United States of America ~72: DAVID BLEAKMAN;NINO DEVIDZE~ 33:US ~31:63/499,085 ~32:28/04/2023

2025/08876 ~ Complete ~54:DUST COLLECTING ARRANGEMENT AND ASSOCIATED MONITORING METHOD ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: UOTILA, Jarkko;VISKARI, Eero~ 33:EP ~31:24208380.6 ~32:23/10/2024

2025/08886 ~ Complete ~54:A SYSTEM FOR PRODUCING A DEGRADABLE HYDROGEL ~71:DWI - LEIBNIZ-INSTITUT FÜR INTERAKTIVE MATERIALIEN E.V., FORCKENBECK-STR. 50, 52074 AACHEN, GERMANY, Germany ~72: DE LAPORTE, Laura;KRÜGER, Andreas, Josef, Dietrich;KÖHLER, Jens~ 33:DE ~31:10 2023 108 039.3 ~32:29/03/2023

2025/08875 ~ Complete ~54:MODULATORS OF SESTRIN-GATOR2 INTERACTION AND USES THEREOF ~71:Navitor Pharmaceuticals, Inc., 1030 Massachusetts Avenue, Suite 410, CAMBRIDGE 02138, MA, USA, United States of America ~72: FETALVERO, Kristina Michelle;NARAYAN, Sridhar;O'NEILL, David John;SAIAH, Eddine;SENGUPTA, Shomit~ 33:US ~31:62/245,553 ~32:23/10/2015;33:US ~31:62/336,219 ~32:13/05/2016

. - APPLIED ON 2025/10/23 -

2025/08923 ~ Complete ~54:EGG WHITE POWDER WITH HIGH FOAMING PROPERTY AND PREPARATION METHOD THEREFOR ~71:Jiangxi Agricultural University, No. 1101 Zhimin Avenue, Nanchang City, Jiangxi Province, 330045, People's Republic of China ~72: TU, Yonggang;ZHAO, Yan~

2025/08926 ~ Complete ~54:METHOD FOR PREPARING PH-RESPONSIVE K-CARRAGEENAN-BASED TARGETED CONTROLLED-RELEASE 3D-PRINTED RICE CAKES ~71:JIANGNAN UNIVERSITY, No. 1800, Lihu Avenue, People's Republic of China;JIANGSU NEW HERUNSHIJIA FOOD CO., LTD., No. 4 Beigu Bay Road, People's Republic of China ~72: HUANG, Jinjing;LI, Chunli;LIN, Jiacong;LIN, Zhihan;ZHANG, Min~ 33:CN ~31:2025109426084 ~32:09/07/2025

2025/08930 ~ Complete ~54:RHIZOSPHERE PROMOTING BACTERIA FOR CYPERUS ESCULENTUS AND ITS APPLICATION ~71:SHIHEZI UNIVERSITY, NORTH 5TH ROAD, XIANGYANG SUBDISTRICT, SHIHEZI CITY, People's Republic of China ~72: CHEN, Ying;JIA, Shuan;LI, Shengyi;LIU, Hui;MA, Chunhui;MA, Zhengdonmg;WANG, Xuzhe;ZHANG, Yaning~

2025/08936 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF DISORDERS RELATED TO SYNTAXIN-BINDING PROTEIN 1 DEFICIENCY ~71:Voyager Therapeutics, Inc., 75 Hayden Avenue, LEXINGTON 02421, MA, USA, United States of America ~72: LAKS, Dan Richard;LI, Jiangyu;MOYER, Tyler Christopher;NONNENMACHER, Mathieu Emmanuel~ 33:US ~31:63/499,925 ~32:03/05/2023;33:US ~31:63/593,828 ~32:27/10/2023;33:US ~31:63/564,420 ~32:12/03/2024

2025/08942 ~ Complete ~54:CATALYST MOLDING FOR HYDROGEN PEROXIDE ACTIVATION ~71:BASF SE, Carl-Bosch-Strasse 38, 67056, Ludwigshafen am Rhein, Germany ~72: ANDREI-NICOLAE PARVULESCU;CHRISTOPHE COPERET;JAROSLAW MICHAEL MORMUL;JOAQUIM HENRIQUE TELES;LUKAS LAETSCH;NATALIA TRUKHAN;TREES MARIA DE BAERDEMAEKER~ 33:EP ~31:23176531.4 ~32:31/05/2023

2025/08944 ~ Complete ~54:APPARATUS AND PROCESS FOR OXYGEN RECOVERY ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Blvd., Allentown, Pennsylvania, 18106-5500, United States of America ~72: ALAN D BERGER;DONN MICHAEL HERRON;QIAO JOSH ZHAO~ 33:US ~31:18/141,520 ~32:01/05/2023

2025/08912 ~ Provisional ~54:DIFFERENTIAL CAPACITANCE INTERFACES ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: RADEMEYER, Daniël Barend;SAMUEL, Robert Kevin;VISAGIE, Georg Frederik;WOLMARANS, Wikus~

2025/08937 ~ Complete ~54:SYSTEMS AND METHODS FOR OPERATING AN OVERHEAD ELECTRICAL LINE ~71:CTC Global Corporation, 2026 McGaw Avenue, IRVINE 92614, CA, USA, United States of America ~72: BOSZE, Eric;CORBALIS, Kevin;GOEKJIAN, David~ 33:US ~31:63/494,455 ~32:05/04/2023

2025/08938 ~ Complete ~54:GLUCOSE-DEPENDENT INSULINOTROPIC POLYPEPTIDE RECEPTOR ANTAGONISTS AND USES THEREOF ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: FILIPSKI, Kevin James;FISHER, Ethan Lawrence;GUAN, Yanfei;LEVI, Samuel Michael;LI, Qifang;MARTINEZ ALSINA, Luis Angel;O'NEIL, Steven Victor;PANCHAGNULA, Advaita;RANKIC, Danica Antonia;REESE, Matthew Richard;SAMMONS, Matthew Forrest;WANG, Yang;ZHANG, Lei~ 33:US ~31:63/496,232 ~32:14/04/2023;33:US ~31:63/598,698 ~32:14/11/2023

2025/08940 ~ Complete ~54:(S)-TIANEPTINE AND USE IN TREATING DISORDERS AND CONDITIONS ASSOCIATED WITH PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR ~71:TONIX PHARMA

LIMITED, 3 Marine Road, Dun Laoghaire, Dublin, A96 HW25, Ireland ~72: BRUCE DAUGHERTY;DARRYL C RIDEOUT;DAVID TAI HSU;GREGORY M SULLIVAN;HERBERT W HARRIS;SETH LEDERMAN;SIOBHAN J FOGARTY~ 33:US ~31:63/454,958 ~32:27/03/2023;33:US ~31:63/463,299 ~32:01/05/2023;33:US ~31:63/466,999 ~32:16/05/2023;33:US ~31:63/468,221 ~32:22/05/2023;33:US ~31:63/528,631 ~32:24/07/2023

2025/08941 ~ Complete ~54:CATALYST FOR EPOXIDATION OF PROPYLENE ~71:BASF SE, Carl-Bosch-Strasse 38, 67056, Ludwigshafen am Rhein, Germany ~72: ANDREI-NICOLAE PARVULESCU;GERRIT WATERS;JAROSLAW MICHAEL MORMUL;JOAQUIM HENRIQUE TELES;JORIS WIEME;MILAN KOSTUR;NIKOLAUS POTH;TREES MARIA DE BAERDEMAEKER~ 33:EP ~31:23176534.8 ~32:31/05/2023

2025/08911 ~ Provisional ~54:DIGITAL DOCUMENTAITON CERTIFICATION ~71:Karin Windisch, 135 Howard Avenue, South Africa ~72: Karin Windisch~

2025/08913 ~ Provisional ~54:A METHOD AND SYSTEM OF INITIATING A TELEPHONE CALL BETWEEN TWO COMMUNICATION DEVICES ~71:SEPTEMBER, Joseph, Unit 20 Eldorado Complex, 135 Becksberg Avenue, Lyttelton, CENTURION 0157, Gauteng, SOUTH AFRICA, South Africa ~72: SEPTEMBER, Joseph~

2025/08922 ~ Complete ~54:NUTRITIOUS JELLY MADE OF EGG WHITE AND PRODUCTION METHOD THEREFOR ~71:Jiangxi Agricultural University, No. 1101 Zhimin Avenue, Nanchang City, Jiangxi Province, 330045, People's Republic of China ~72: TU, Yonggang;ZHAO, Yan~

2025/08914 ~ Provisional ~54:SYSTEM AND METHOD FOR PERSONALISED LIVING-WAGE TARGETING, CERTIFICATION, AND CLOSED-LOOP PAYROLL OPTIMISATION WITH PRIVACY-PRESERVING ANALYTICS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: KABELO DIALE~

2025/08917 ~ Complete ~54:CHINESE MEDICINAL COMPOSITION IN PILL FORM FOR THE TREATMENT OF MALIGNANT TUMORS AND ITS PREPARATION METHOD ~71:Jinlai Zhou, Room 2301, Building 12, Qiuzhufang, Lane 1008, Qiuzhu Road, Jiading District, Shanghai, People's Republic of China ~72: Jinlai Zhou~

2025/08919 ~ Complete ~54:AGRICULTURAL IMPLEMENTS INCLUDING A ROCKSHAFT, AND RELATED METHODS AND CONTROL SYSTEMS ~71:AGCO CORPORATION, 4205 River Green Parkway, Duluth, United States of America ~72: BRINKER, Jarret Lee;FANSHIER, Benjamin Anson;FIGGER, Robert L.~ 33:US ~31:63/730055 ~32:10/12/2024

2025/08921 ~ Complete ~54:COMPOUND BACTERIAL AGENT FOR FERMENTED FOODS AND APPLICATION THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GONG Luping;LI Wenjing;LI Zhi;LU Ling;MA Fenglian;SUN Jie;YIN Guoyou~

2025/08925 ~ Complete ~54:BIONIC PEST TRAPPING DEVICE FOR ALFALFA FIELDS ~71:SHIHEZI UNIVERSITY, NO. 221, BEISI ROAD, SHIHEZI CITY, People's Republic of China ~72: HE, Hongsu;LIU, Hui;WANG, Xuzhe~

2025/08927 ~ Complete ~54:DEVICE FOR MODIFICATION, PASTEURIZATION AND ENZYME INACTIVATION OF SOFT FOOD MATERIALS BASED ON HIGH-VOLTAGE ELECTROSTATIC FIELD, AND APPLICATION THEREOF ~71:JIANGNAN UNIVERSITY, 1800, Lihu Avenue, People's Republic of China;JIANGSU UNIVERSITY, No. 301 Xuefu Road, People's Republic of China;SHANDONG COMMUNE UNION FOOD CO. LTD, No. 200 meters east of the intersection of Volvo Road and Hefei Road, People's Republic of China ~72: JIANG, Haoqi;LEI, Xianglin;LI, Chunli;LIU, Jiguang;SUN, Anlun;WANG, Bo;WANG, Yuchuan;XU, Bangsheng~ 33:CN ~31:202411983027.7 ~32:31/12/2024

2025/08931 ~ Complete ~54:DYNAMIC EVALUATION METHOD FOR EXTREME RAINSTORM WATERLOGGING DISASTER RISK FOR DISASTER PREVENTION AND REDUCTION ~71:PowerChina Northwest Engineering Corporation Limited, No.18 Zhangba East Road, Yanta District, Xi 'an City, Shaanxi Province, 710065, People's Republic of China ~72: FU Kun;GENG Chen;GUAN Zilong;HE Song;LI Xuan;LIU Yuan;MA Huan;MA Long;QIANG Minmin;SU Bowen;WANG Shu;WANG Yan;XUE Bo;XUE Shuhong;YAO Pujing;ZHANG Tao;ZHANG Xingchen~ 33:CN ~31:202411487822.7 ~32:24/10/2024

2025/08934 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF DISORDERS RELATED TO GLUCOSYLCERAMIDASE BETA 1 DEFICIENCY ~71:Voyager Therapeutics, Inc., 75 Hayden Avenue, LEXINGTON 02421, MA, USA, United States of America ~72: CARTER, Todd;CHUNG, Hiu Yan;KNOLL, Elisabeth;LAKS, Dan Richard;LI, Jiangyu;MOYER, Tyler Christopher;NONNENMACHER, Mathieu Emmanuel~ 33:US ~31:63/463,836 ~32:03/05/2023;33:US ~31:63/593,792 ~32:27/10/2023;33:US ~31:63/564,462 ~32:12/03/2024

2025/08939 ~ Complete ~54:SUBSTITUTED PHENYL OXAZOLONE COMPOUNDS ~71:Bristol-Myers Squibb Company, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: BALOG, James Aaron;BONACORSI, Samuel J.;CHERNEY, Emily Charlotte;MATHUR, Arvind;PURANDARE, Ashok Vinayak;QIN, Lan-Ying;RUAN, Zheming~ 33:US ~31:63/500,727 ~32:08/05/2023;33:US ~31:63/632,070 ~32:10/04/2024

2025/08943 ~ Complete ~54:AAV VARIANTS FOR TREATMENT OF COMPLEMENT DISORDERS ~71:4D MOLECULAR THERAPEUTICS INC., 5858 Horton Street, Suite 455, Emeryville, California, 94608, United States of America ~72: ALBENA KANTARDZHIEVA;MELISSA CALTON;ROXANNE CROZE~ 33:US ~31:63/494,925 ~32:07/04/2023;33:US ~31:63/586,227 ~32:28/09/2023

2025/08915 ~ Complete ~54:NITROGEN-DONOR-CONTAINING PT(IV) COMPLEX WITH TUMOR TARGETING PROPERTY AND APPLICATION THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Yidan;FENG Qiao;GUO Yan;HU Jiyong;LI Qiankun;LU Bingxue;QIU Xinyan;SONG Yongxin;ZHANG Shoubo;ZHI Shuangcheng~

2025/08916 ~ Complete ~54:ASSEMBLY-TYPE INDOOR PARTITION WALL BASED ON BIM ~71:Anhui Water Conservancy Technical College, No. 18 Dongmenhe Road, Hefei City, Anhui Province, 231603, People's Republic of China ~72: FANG Huanhuan;HE Fang;LING Ru;WANG Laiwei;XIE Ying;ZHENG Wei;ZHU Baosheng~

2025/08920 ~ Complete ~54:CORE-SHELL MICRONEEDLE PATCH LOADED WITH TETRACYCLINE ANTIBACTERIAL AND SIMVASTATIN AND PREPARATION METHOD AND APPLICATION THEREOF ~71:ZHONGNAN HOSPITAL OF WUHAN UNIVERSITY, 169 Donghu Road, Wuchang District, Wuhan City, Hubei Province, People's Republic of China ~72: CHENG Bo;LI Bingjie;LI Wei;WANG You;WENG Xiuhong;YANG Fuhua;ZHANG Nan;ZHANG Jieyi;ZHANG Shengdan;ZHAO Siyu~

2025/08924 ~ Complete ~54:IMPROVEMENT METHOD FOR DRAINAGE AND SALT REDUCTION OF SALINE-ALKALI LAND ~71:Dezhou Salt alkali Soil Improvement Experimental Station of Chinese Academy of Agricultural Sciences, No.12 Dexing North Road, Decheng District, Dezhou City, Shandong Province, 253011, People's Republic of China;Dongying Huibang New Agricultural High tech Co., Ltd, No. 36 Huanghe Road, Kenli District, Dongying City, Shandong Province, 257500, People's Republic of China;Institute of Agricultural Resources and Regional Planning, CAAS, No. 12 Zhongguancun South Street, Haidian District, Beijing Postal Code, 100080, People's Republic of China;Shandong Agricultural University, No. 61, Daizong Street, Mount Taishan District, Tai'an, Shandong, 271018, People's Republic of China;Shandong

Shilixiang Sesame Products Co., Ltd, No.16 Dixin Sixth Road, Wudi County, Binzhou City, Shandong Province, 251999, People's Republic of China ~72: Fan Yanli;Li Quanqi;Li Xiaobin;Liu Guofeng;Meng Weiguo;Pan Baocun;Sun Chitao;Wen Yanchen;Zhang Anqi;Zhang Junpeng~

2025/08928 ~ Complete ~54:SEED SCREENING DEVICE FOR ALFALFA BREEDING ~71:SHIHEZI UNIVERSITY, NO. 221, BEISI ROAD, SHIHEZI CITY, People's Republic of China ~72: HE, Hongsu;LIU, Hui;WANG, Xuzhe~

2025/08929 ~ Complete ~54:AN AUXILIARY ACUPUNCTURE NEEDLE HOLDER ~71:The Second Affiliated Hospital of Anhui University of Traditional Chinese Medicine(acupuncture and moxibustion Hospital of Anhui Province), No. 300 Shouchun Road, Hefei City, Anhui Province, 230000, People's Republic of China ~72: GUI, Meilin~ 33:CN ~31:202521464919.6 ~32:14/07/2025

2025/08933 ~ Complete ~54:VAPOUR NOZZLE FOR JVD ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Océane GILLET;Pierre BANASZAK;Romain CORBEAU;Sergio PACE;Vincent RUWET~ 33:IB ~31:PCT/IB2023/057278 ~32:17/07/2023

2025/08935 ~ Complete ~54:PRODRUGS OF XANOMELINE, PRODRUGS OF TROSPIUM AND METHODS OF USE THEREOF ~71:Terran Biosciences Inc., 2457 Collins Ave, Apt 504, MIAMI BEACH 33140, FL, USA, United States of America ~72: BISHOP, Michael J.;BRIGGS, Timothy F.;CLARK, Samuel;DICKSON, John K.;DUNCTON, Matthew;JANDELEIT, Bernd;PENG, Xiaowen;XING, Xuechao~ 33:US ~31:63/461,543 ~32:24/04/2023;33:US ~31:63/523,619 ~32:27/06/2023;33:US ~31:18/444,450 ~32:16/02/2024

2025/08945 ~ Complete ~54:MODIFIED ANTIBODIES AND USES THEREOF ~71:GAT BIOSCIENCES, S.L., Baldiri Reixac, 4-10 Parc Científic de Barcelona, 08028, Barcelona, Spain ~72: CRISTINA LÓPEZ PAZ;MARÍA TERESA LÓPEZ CERRO;OLGA DURANY TURK~ 33:EP ~31:23382279.0 ~32:24/03/2023

2025/08946 ~ Complete ~54:CONFIGURABLE RESISTOR BANK FOR BATTERY MANAGER ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: PEPLINSKI, Andrew Jason;ROY CHOUDHURY, Saurav~ 33:US ~31:18/307,997 ~32:27/04/2023

2025/08918 ~ Complete ~54:INCREMENTAL CLUSTERING ALGORITHM AND SYSTEM BASED ON PARALLEL COMPUTING ~71:WEIFANG UNIVERSITY, No. 5147, Dongfeng East Street, High-tech Development Zone, Weifang, People's Republic of China ~72: CHEN, Chunlei;DAI, Jiangyan;HONG, Lu;SUN, Jing;ZHANG, Huihui~

2025/08932 ~ Complete ~54:CONTROLLING A POSITION OF A HOLLOW MOULDED FIBRE PRODUCT ~71:PULPEX LIMITED, Unit 1, Cambridge South, West Way, United Kingdom ~72: BUTCHER, Harry Alexander~ 33:GB ~31:2306831.5 ~32:09/05/2023

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

Application Number	Assignor	Assignee
2012/09337	MEGTEC TURBOSONIC INC.	DURR SYSTEMS INC.
2024/09988	NYANDANE MATIMBA GARTH	MAGARTH (PTY) LTD
2020/03632	CATIO, PETER BRYCE	AUMMS PTY LTD
2024/07205	CHEP UK LIMITED CABKA SPAIN S.L.U. CHEP ESPANA SA	CHEP TECHNOLOGY PTY LIMITED
2023/06688	CTX, LLC	CLEAN H2O TECHNOLOGIES, LLC

Application Number	Assignor	Assignee
2022/10245	CROSSTEK MEMBRANE TECHNOLOGY	CLEAN H2O TECHNOLOGIES, LLC
2022/10347	AMPHASTAR PHARMACEUTICALS, INC.	CSP TECHNOLOGIES, INC.
2021/06245	AMPHASTAR PHARMACEUTICALS, INC.	CSP TECHNOLOGIES, INC.
2010/06303	CLARIANT FINANCE (BVI) LIMITED	ARCHROMA IP GMBH
2008/04208	CTI BIOPHARMA CORP.	SOBI, INC.
2019/02553	IDORSIA PHARMACEUTICALS LTD.	VIATRIS ASIA PACIFIC PTE. LTD.
2012/01125	IDORSIA PHARMACEUTICALS LTD.	VIATRIS ASIA PACIFIC PTE. LTD.
2010/04556	IDORSIA PHARMACEUTICALS LTD.	VIATRIS ASIA PACIFIC PTE. LTD.
2022/02035	ENZYVANT THERAPEUTICS GMBH	SUMITOMO PHARMA SWITZERLAND GMBH
2017/08376	GENERAL RESEARCH INSTITUTE for NONFERROUS METALS	GRIREM ADVANCED MATERIALS CO., LTD
2018/04549	GENERAL RESEARCH INSTITUTE for NONFERROUS METALS and GUOKE RE ADVANCED MATERIALS CO., LTD.	GRIREM ADVANCED MATERIALS CO., LTD.
2017/08683	GENERAL RESEARCH INSTITUTE for NONFERROUS METALS	GRIREM ADVANCED MATERIALS CO., LTD.
2024/08677	ANHEART THERAPEUTICS (HANGZHOU) CO., LTD.	NUVATION BIO INC.
2023/08126	JR DYNAMICS LIMITED	COPPER STATE BOLT & NUT COMPANY, INC.
2022/08528	ELOPAK GMBH	ELOPAK ASA
2022/08527	ELOPAK GMBH	ELOPAK ASA
2025/00245	MOOTRAL INNOVATIONS LIMITED	BIONEXUS LLC
2014/04102	LT LIGHTING (TAIWAN) CORPORATION	SHUY, GEOFFREY WEN-TAI
2019/08209	LT LIGHTING (TAIWAN) CORPORATION	SHUY, GEOFFREY WEN-TAI
2007/05878	LEWTHWAITE ENGINEERING (PTY) LTD	CUMBRIA ENGINEERING CONSULTANTS (PTY) LTD
2007/05878	CUMBRIA ENGINEERING CONSULTANTS (PTY) LTD	EMINENCE ENGINEERING (PTY) LTD
2019/03491	LEWTHWAITE ENGINEERING (PTY) LTD	CUMBRIA ENGINEERING CONSULTANTS (PTY) LTD
2019/03491	CUMBRIA ENGINEERING CONSULTANTS (PTY) LTD	EMINENCE ENGINEERING (PTY) LTD
2016/07841	FORTRESS IRON, LP	PRIMESOURCE BUILDING PRODUCTS, INC.
2015/02684	RAYNER SURGICAL (IRELAND) LIMITED	RAYNER INTRAOCULAR LENSES LIMITED
2020/02690	FOTRESS IRON, LP	PRIMESOURCE BUILDING PRODUCTS, INC.
2022/08101	FOTRESS IRON, LP	PRIMESOURCE BUILDING PRODUCTS, INC.
2021/01252	TRIPLE POINT INNOVATIONS LLC	ASTRA THERMAL SCIENCES LLC
2021/07134	GLOBALTECH CORPORATION	IMDEX TECHNOLOGIES PTY LTD

Application Number	Assignor	Assignee
	PTY LTD	
2019/04281	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2018/05410	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2022/07005	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2017/06787	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2022/12030	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2017/03758	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2013/01250	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2014/06031	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2014/00880	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2013/02440	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2014/06451	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2018/00566	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2023/05011	PTC THERAPEUTICS, INC.	PTC THERAPEUTICS HOLDINGS, INC.
2014/07074	GLOBALTECH CORPORATION PTY LTD	IMDEX TECHNOLOGIES PTY LTD
2023/05011	PTC THERAPEUTICS HOLDINGS, INC.	PTC THERAPEUTICS HD, INC.
2025/08129	NO, JUN HYUNG and NO, JUN WOO	SHURUBY CO., LTD.
2023/08696	FULGENT LIFE INC. (US) and GUANGDONG HAIHE BIOMEDICAL TECHNOLOGY CO., LTD (CHINA)	FLYNEW GLOBAL INC. (US)
2023/08696	FLYNEW GLOBAL INC. (US)	HAINAN HESHI HEALTH MANAGEMENT CO., LTD.
2013/00185	INNOSPEC PERFORMANCE CHEMICALS EUROPE LIMITED	INNOSPEC LIMITED
2025/03833	NEURALIS SA	GEDEON RICHTER BENELUX SRL
2022/07231	MEIRAGTX UK II LIMITED	MEIRAGTX NEURO I, LLC
2019/05740	MEIRAGTX UK II LIMITED	MEIRAGTX GENE REGULATION LIMITED
2018/05670	MEIRAGTX UK II LIMITED	MEIRAGTX GENE REGULATION LIMITED
2022/01893	SETTER GMBH & CO. PAPIERVERARBEITUNG	SETTER HOLDING GMBH
2016/00358	GALDERMA S.A.	NESTLE SKIN HEALTH SA
2023/10430	YUNNAN MINZU UNIVERSITY	YUNNAN LVJUYUAN BIOTECHNOLOGY INDUSTRY CO., LTD
2023/08696	FULGENT LIFE INC. (US) and GUANGDONG HAIHE BIOMEDICAL TECHNOLOGY CO.,	FLYNEW GLOBAL INC. (US) and HAINAN HESHI HEALTH MANAGEMENT CO., LTD.

Application Number	Assignor	Assignee
	LTD (CHINA)	
2022/06017	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06014	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06007	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06012	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06261	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/10087	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06018	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/10085	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/10089	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/10088	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/12353	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2024/07844	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2025/04510	BASECAMP BIO INC.	EXELIXIS, INC.
2022/10285	SHAW-ALMEX INDUSTRIES	ALMEX CANADA, LIMITED
2022/12355	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/11389	GUANGZHOU MEDICAL UNIVERSITY and THE SECOND AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY	GUANGZHOU MEDICAL UNIVERSITY PROPERTY OPERATION LIMITED CORPORATION
2022/06265	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06259	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06258	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06263	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06015	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06011	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2022/06006	EASTMAN CHEMICAL COMPANY	EXXONMOBIL PRODUCT SOLUTIONS COMPANY
2021/01304	TERNS, INC.	TERNS PHARMACEUTICALS, INC.
2024/02734	YIN HANG	SHANDONG COLLEGE OF ARTS
2024/02735	YIN HANG	SHANDONG COLLEGE OF ARTS
2016/01670	JOHNSON DAVY TECHNOLOGIES	JOHNSON MATTHEY PUBLIC LIMITED

Application Number	Assignor	Assignee
	LIMITED	COMPANY
2021/03539	BENLACHTAR, YANNIS	BH HOLDINGS LTD
2023/06482	CANTARGIA AB	OTSUKA PHARMACEUTICAL CO., LTD.

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2022/11311	SUNOVION PHARMACEUTICALS INC.	SUMITOMO PHARMA AMERICA, INC.
2012/03533	SUNOVION PHARMACEUTICALS INC.	SUMITOMO PHARMA AMERICA, INC.
2023/06899	POSITRON PRECISION GMBH	ITM ONCOLOGICS GMBH
2014/06039	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2014/06040	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2014/07815	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2015/00558	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2014/00029	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2014/00030	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2014/01075	GE VIDEO COMPRESSION, LLC	DOLBY VIDEO COMPRESSION, LLC
2022/13687	ZHUHAI YUFAN BIOTECHNOLOGIES CO., .LTD	GUANGZHOU YUFAN NANTU BIOTECHNOLOGIES CO., LTD
2020/01077	MALTERIES SOULFFLET	SOUFFLET MALT
2023/03607	STICHTING TOT EN ONTWIKKELING VAN INTELLECTUELE EIGENDOM VAN BABYMOON	STICHTING TOT EN ONTWIKKELING VAN INTELLECTUELE EIGENDOM VAN BABYARTIKELEN
2023/11472	PETMEDIX LTD	ZOETIS SERVICES UK LIMITED
2024/02620	PETMEDIX LTD	ZOETIS SERVICES UK LIMITED
2024/05930	PETMEDIX LTD	ZOETIS SERVICES UK LIMITED
2025/04509	PETMEDIX LTD	ZOETIS SERVICES UK LIMITED
2014/03638	METSO OUTOTEC USA INC.	METSO USA INC.
2011/00415	METSO OUTOTEC USA INC.	METSO USA INC.
2016/04380	METSO OUTOTEC USA INC.	METSO USA INC.
2016/04251	METSO OUTOTEC USA INC.	METSO USA INC.
2014/07212	METSO OUTOTEC USA INC.	METSO USA INC.
2016/07553	METSO OUTOTEC USA INC.	METSO USA INC.
2016/05053	METSO OUTOTEC USA INC.	METSO USA INC.
2010/00448	METSO OUTOTEC USA INC.	METSO USA INC.
2010/03178	METSO OUTOTEC USA INC.	METSO USA INC.
2011/05575	METSO OUTOTEC USA INC.	METSO USA INC.
2022/13905	METSO OUTOTEC USA INC.	METSO USA INC.
2021/00797	METSO OUTOTEC USA INC.	METSO USA INC.
2017/00940	METSO OUTOTEC USA INC.	METSO USA INC.
2021/01252	OUTLIER SOLUTIONS, LLC	TRIPLE POINT INNOVATIONS LLC
2022/11063	7424401 MANITOBA LTD. d/b/a BUSHEL PLUS	BUSHEL PLUS LTD.
2016/00358	NESTLE SKIN HEALTH SA	GALDERMA HOLDING SA
2019/01042	CLOSED JOINT STOCK	JOINT STOCK COMPANY “BIOCAD”

Application Number	In the name of	New name
	COMPANY “BIOCAD”	
2016/05265	CLOSED JOINT STOCK COMPANY “BIOCAD”	JOINT STOCK COMPANY “BIOCAD”

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2024/05929	WITHDRAWN	07/10/2025

APPLICATION FOR RESTORATION OF A LAPSED PATENT

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given that **ALAN RODNEYVAN DER MERWE** whose address for service is **RICHARDS ATTORNEYS INC, MARAISBURG** has applied to the registrar for the restoration of Patent No **2019/04488** entitled **FOOD STORAGE CONTAINER** dated **09/07/2019**, which lapsed on **09/07/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **HOLFELD, Barry Graeme** whose address for service is **McCALLUM RADEMEYER & FREIDMOND, RANDBURG** has applied to the registrar for the restoration of Patent No **2016/05532** entitled **A VALVE FOR USE WITH A HYDRAULICALLY ACTIVATED DEVICE** dated **16/09/2013**, which lapsed on **16/09/2019** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **ENANTA PHARMACEUTICALS, INC.** whose address for service is **HAHN & HAHN, HATFIELD** has applied to the registrar for the restoration of Patent No **2019/04568** entitled **BENZODIAZEPINE DERIVATIVES AS RSV INHIBITORS** dated **21/07/2016**, which lapsed on **21/07/2019** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **NEMTEK HOLDINGS (PTY) LTD.** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2011/04632** entitled **ELECTRONIC FENCE VOLTAGE FEEDBACK SYSTEM** dated **10/02/2010**, which lapsed on **10/02/2021** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **Fabian LE BOURDIEC** whose address for service is **SIBANDA & ZANTWIJK, JOHANNESBURG** has applied to the registrar for the restoration of Patent No **2022/08758** entitled **SYSTEM FOR THE ELECTRO-PHYSIOLOGICAL ANALYSIS OF ONE OR MORE PLANTS** dated **04/01/2021**, which lapsed on **04/01/2025** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **INNOVATIVE MINING PRODUCTS (PTY) LTD** whose address for service is **TABERER ATTORNEYS INC, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2021/05218** entitled **RESIN-GROUTED ROCK BOLT ASSEMBLY WITH AN ADAPTED SEALING BUSH** dated **23/07/2021**, which lapsed on **23/07/2024** 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 **DIAZ, Ricardo, SAVARINO, Andrea, SHYTAJ, Iart, CUNHA, Daniele Lunha da** whose address for service is **DE BEER ATTORNEYS INC, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2021/10613** entitled **METHOD FOR DEFINING A PERSONALIZED VACCINE AGAINST HIV/AIDS** dated **10/06/2020**, which lapsed on **28/12/2024** 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.

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 FOR CORRECTIONS IN TERMS OF SECTION 50

THE PATENTS ACT, 1978

APPLICATIONS TO CORRECT SPECIFICATION

Applicant: TERNS, INC. 1065 E. HILLSDALE BLVD, SUITE 100, FOSTER CITY, CALIFORNIA, 94404, UNITED STATES OF AMERICA. Request permission to correct or to amend any patent, application for a patent or document lodged in pursuance of such application or in the register of Patent no: **2021/01304** a filing date of **25 February 2021** entitled: **COMPOUNDS FOR TREATING CERTAIN LEUKEMIAS.**

A copy of the original application on which the proposed correction or amendment is indicated in red, is now available for inspection at the Patent Office.

Any notice of opposition (on form no. 19) must be lodged at the Patent Office within 2 months from the date hereof.

Registrar of Patents

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: BROWNLOW, George 340A Spionkop Road, Northriding 2163 Johannesburg. Permission to amend the specification of letters patent no: **2024/09445** of **09/12/2024** for **METHOD OF COATING A PIPE**.

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: NORDLAND OPERATIONS (PTY) LTD 70 Driefontein Road, Muldersdrif 1747 Krugersdorp. Permission to amend the specification of letters patent no: **2014/04821** of **30/06/2014** for **LUMINAIRE**.

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

NOVARTIS AG Lichtstrasse 35, 4056 Basel. Permission to amend the specification of letters patent no: **2010/07960** of **05/11/2010** for **BENZENE SULFONAMIDE THIAZOLE AND OXAZOLE COMPOUNDS**.

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: LANXESS Deutschland GmbH Kennedyplatz 1, KÖLN 50569, GERMANY. Permission to amend the specification of letters patent no: **2020/03709** of **19/06/2020** for **ALUMINUM CONTAINER CONTAINING DICARBONATE**.

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)

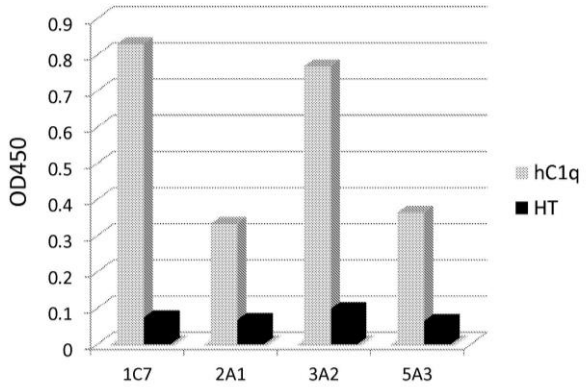
In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

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.

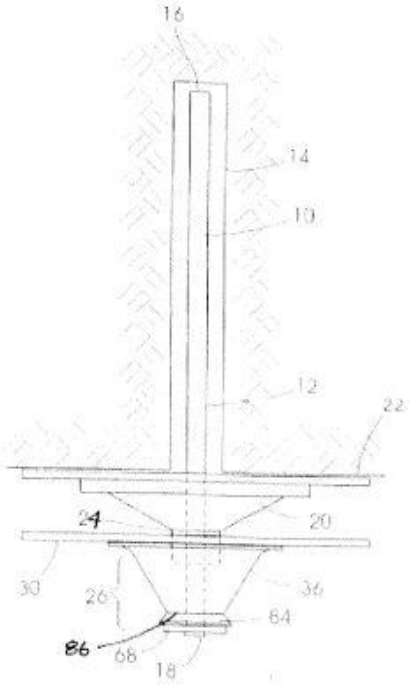
Registrar of Patents

21: 2015/00649. 22: 2015/01/28. 43: 2025/08/20
51: A61K; A61P
71: Bayer Animal Health GmbH
72: FROYMAN, Robrecht, WETZSTEIN, Heinz-Georg, FRAATZ, Kristine, WIEHL, Wolfgang
33: US 31: 61/666,312 32: 2012-06-29
54: PHARMACEUTICAL COMPOSITIONS AND TREATMENT OF MASTITIS
00: -
The present invention relates to a pharmaceutical composition and methods of treating and/or preventing mastitis in non-human mammals. More particularly, the present invention relates to the treatment of mastitis in cows. The pharmaceutical composition comprises a mixture of a phosphonic acid and at least one antimicrobial.

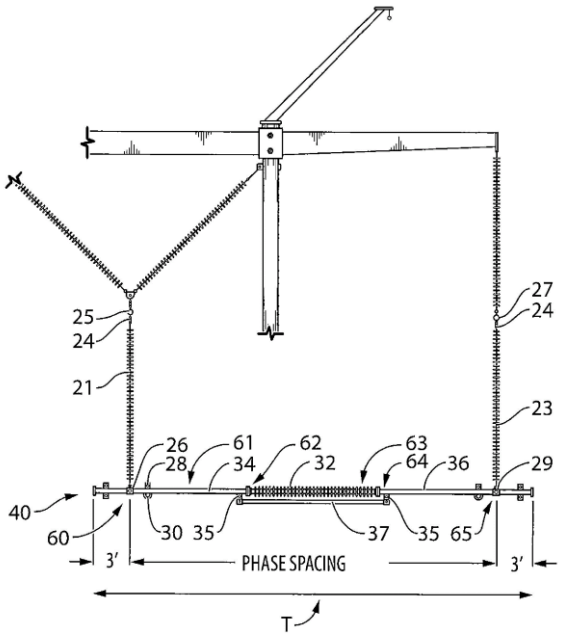
21: 2016/00157. 22: 2016/01/08. 43: 2025/08/01
51: A61K; A61P; C07K
71: Annexon, Inc.
72: ROSENTHAL, Arnon, LEVITEN, Michael
33: US 31: 61/844,369 32: 2013-07-09
54: ANTI-COMPLEMENT FACTOR C1Q ANTIBODIES AND USES THEREOF
00: -
The present invention provides anti-C1q antibodies and methods of using the same.



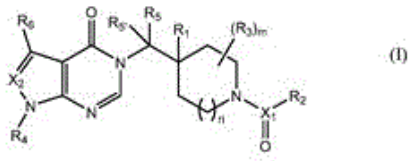
21: 2016/05235. 22: 2016/07/28. 43: 2025/09/15
51: E21D
71: EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
72: HERBERT, Rhys
33: ZA 31: 2016/03291 32: 2016-05-16
54: PUSH-ON FASTENER
00: -
The invention provides a push-on locking device which includes a barrel which has a leading end and a trailing end with a tapered passage which extends at least partially between the ends, a gripping means with the passage, a cylindrical aperture within the gripping means for receiving a rock anchor in use, a retaining formation in the passage between the gripping means and the trailing end which has a hole which is in register with the aperture, wherein a perimeter of the hole is adapted to frictionally engage the rock anchor when the device is pushed onto the anchor from the leading end and wherein the gripping means is adapted to grip the rock anchor when the rock anchor moves relatively to the barrel.



21: 2016/08006. 22: 2016/11/18. 43: 2025/08/20
51: H02G
71: Quanta Associates, L.P.
72: WABNEGGER, David Karl, O'CONNELL, Daniel Neil
33: US 31: 61/982,182 32: 2014-04-21
54: TEMPORARY TRANSFER BUS
00: -
The invention includes a method for transferring a power load between adjacent electrical conductors using a temporary transfer bus, and the transfer bus apparatus itself, wherein the transfer bus includes first and second conductive sections rigidly mounted to and separated by a rigid bus insulator, and a selectively operable transfer bus closing device adapted to selectively electrically connect the first and second conductive sections to each other, the method including suspending the first and second conductive sections from the adjacent conductors, whether directly or using suspension insulators, electrically connecting the conductive sections to the conductors, and closing the transfer bus closing device.

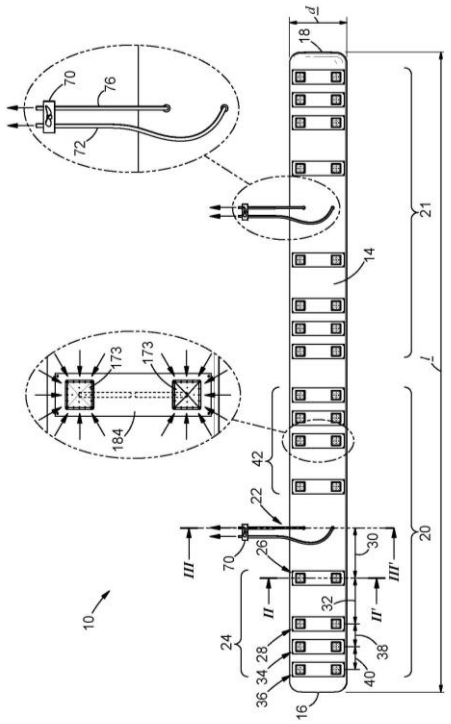


21: 2017/04746. 22: 2017/07/13. 43: 2025/08/21
51: C07D; A61K
71: FORMA THERAPEUTICS, INC.
72: IOANNIDIS, STEPHANOS, TALBOT, ADAM CHARLES, FOLLOWS, BRUCE, BUCKMELTER, ALEXANDRE JOSEPH, WANG, MINGHUA, CAMPBELL, ANN-MARIE, SCHMIDT, DARBY RYE, GUERIN, DAVID JOSEPH, CARAVELLA, JUSTIN A, DIEBOLD, R BRUCE, ERICSSON, ANNA, LANCIA JR, DAVID R
33: US 31: 62/098,141 32: 2014-12-30
54: PYRROLO AND PYRAZOLOPYRIMIDINES AS UBIQUITIN-SPECIFIC PROTEASE 7 INHIBITORS
00: -
The invention relates to inhibitors of USP7 inhibitors useful in the treatment of cancers, neurodegenerative diseases, immunological disorders, inflammatory disorders, cardiovascular diseases, ischemic diseases, viral infections and diseases, and bacterial infections and diseases, having the Formula: (I) where m, n, X_1, X_2, R_1-R_5, $R_{5'}$ and R_6 are described herein.



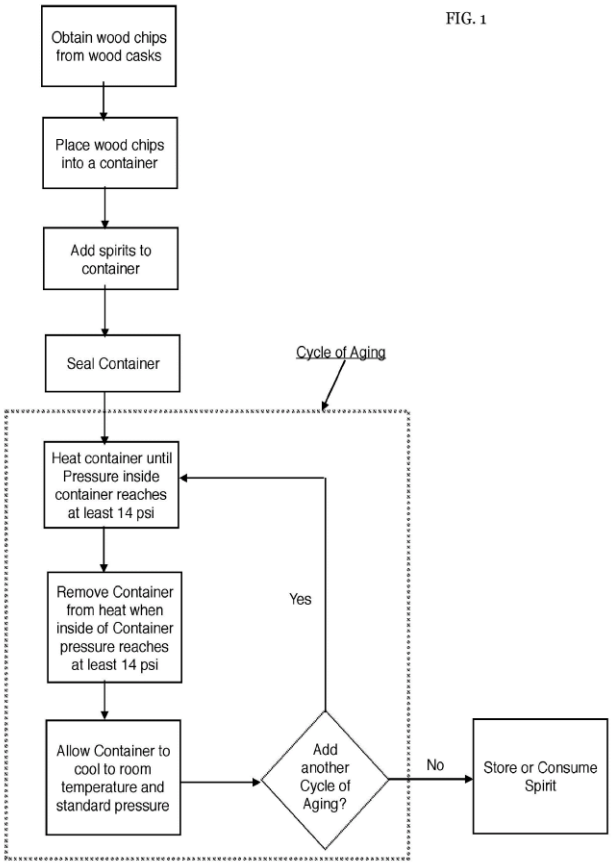
21: 2018/01290. 22: 2018/02/26. 43: 2025/09/23

51: A01F; F26B
71: BRESLER, Casparus
72: BRESLER, Casparus
33: ZA 31: 2015/07538 32: 2015-10-09
33: ZA 31: 2016/00874 32: 2016-02-08
54: SILO FOR GRAIN
00: -
According to one aspect of the invention there is provided a method of drying a body of grain, comprising storing the body of grain in an elongate bag silo 10, providing at least a first outlet 22 intermediate a first end 16 and a second end 18 of the bag and at least a first and a second inlet (26, 28), situated intermediate the outlet 22 and the first end 16 of the bag. The second inlet 28 is spaced longitudinally further away from the first outlet 22 than the first inlet 26 and the first outlet 22 is the closest outlet to the second inlet 28 in a direction towards the second end 18 of the bag 10. The method further comprises providing a flow of air, between the inlets and the outlet such that a pressure differential between any of the inlets is maintained within a predetermined threshold.



21: 2018/02488. 22: 2018/04/16. 43: 2025/07/29
51: C12G; C12H
71: Brain Brew Ventures 3.0 LLC

72: HALL, Douglas B., FORSEE, Bruce, GIRGASH, Joseph M., BEAUPRE, James J.
33: US 31: 62/242,396 32: 2015-10-16
54: ALCOHOLIC BEVERAGE AND METHOD OF MAKING THE SAME
00: -
The present invention is an alcoholic beverage having the sensory characteristics of a traditionally aged distilled spirit. The method for making the alcoholic beverage includes introducing a ratio of wood chips to a distilled spirit and applying pressure to create interaction between the wood chips and distilled spirit.

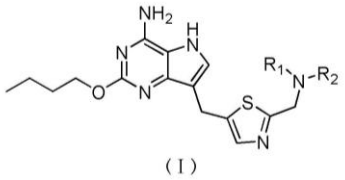


21: 2018/02838. 22: 2018/04/30. 43: 2025/08/01
51: A61K; A61Q
71: Colgate-Palmolive Company
72: MYERS, Carl, BEGUM-GAFUR, Rehana
33: US 31: 62/261,791 32: 2015-12-01
54: ORAL CARE COMPOSITIONS
00: -
This application provides, among other things, novel aqueous oral care compositions useful for combining and delivering poorly compatible ingredients, for example to deliver effective levels of cationic

antibacterial agents in combination with anionic polymers that protect against erosion and staining, by addition of a stabilizing amount of a polyamine, e.g., lysine, and methods for making and using the same.

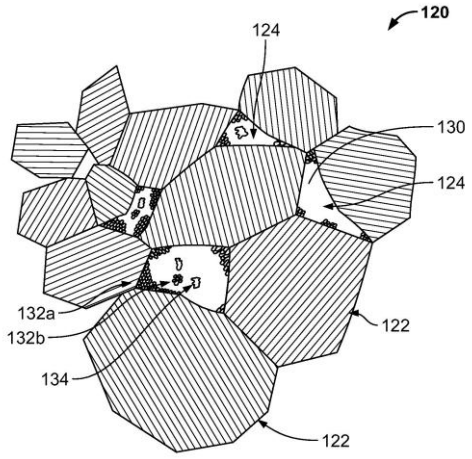
21: 2018/03441. 22: 2018/05/24. 43: 2025/08/19
51: A61K; A61P; C12N
71: KM Biologics Co., Ltd.
72: SONODA, Kengo, SHINMURA, Yasuhiko, YAMAORI, Susumu, ABE, Motoharu, MARUNO, Shinichi, TAKAGI, Shota, HAYASHI, Yasuhisa, KAMEYAMA, Kazuhisa, KOMURA, Fusae, FUKUDA, Aki, UCHIDA, Naomi, YOSHIMURA, Masaya
33: JP 31: 2015-232013 32: 2015-11-27
54: LIVE VIRUS HAVING A BANK OF DENGUE VIRUS ATTENUATED STRAINS, AND A DENGUE VACCINE CONTAINING SAME AS ANTIGENS
00: -
Neutralizing antibody responses to all of the four types of dengue virus serotypes were induced using single doses, and a highly safe dengue vaccine that does not generate more than a given quantity of viremia was discovered. Provided is a tetravalent dengue virus preparation having excellent results in terms of both drug efficacy (neutralizing antibody response) and safety (viremia).

21: 2018/03705. 22: 2018/06/04. 43: 2025/08/13
51: A61K; A61P; C07D
71: Chia Tai Tianqing Pharmaceutical Group Co., Ltd.
72: DING, Zhaozhong, SUN, Fei, WU, Lifang, WU, Hao, CHEN, Shuhui, YANG, Ling
33: CN 31: 201510744651.6 32: 2015-11-05
54: 7-(THIAZOL-5-YL) PYRROLOPYRIMIDINE COMPOUND AS TLR7 AGONIST
00: -
The present invention relates to a 7-(thiazol-5-yl) pyrrolopyrimidine compound as a TLR7 agonist, and particularly relates to a compound shown in formula (I), pharmaceutically acceptable salt and preparation method thereof, a pharmaceutical composition containing such a compound, and usage thereof in preparing an antiviral drug.



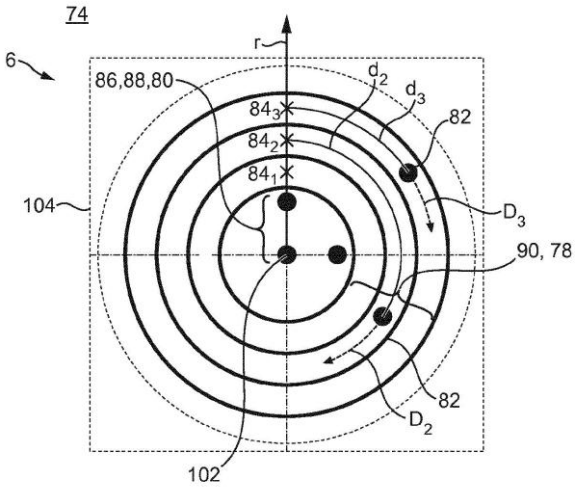
(I)

21: 2018/05480. 22: 2018/08/16. 43: 2025/08/19
51: C04B
71: Diamond Innovations, Inc., Baker Hughes, a GE Company, LLC
72: GLEDHILL, Andrew, SCOTT, Danny, BIRD, Marc
33: US 31: 62/296,130 32: 2016-02-17
54: POLYCRYSTALLINE DIAMOND COMPACTS HAVING INTERSTITIAL DIAMOND GRAINS AND METHODS OF MAKING THE SAME
00: -
Polycrystalline diamond compacts having interstitial diamonds and methods of forming polycrystalline diamond compact shaving interstitial diamonds with a quench cycle are described herein. In one embodiment, a polycrystalline diamond compact includes a substrate and a polycrystalline diamond body attached to the substrate. The polycrystalline diamond body includes a plurality of inter-bonded diamond grains that are attached to one another in an interconnected network of diamond grains and interstitial pockets between the inter-bonded diamond grains, and a plurality of interstitial diamond grains that are positioned in the interstitial pockets. Each of the plurality of interstitial diamond grains are attached to a single diamond grain of the interconnected network of diamond grains or other interstitial diamond grains.



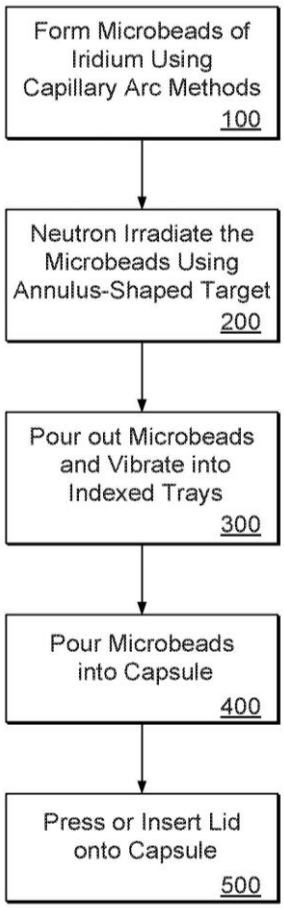
21: 2018/06354. 22: 2018/09/21. 43: 2025/08/20
51: A47J; B65D; G06K
71: Société des Produits Nestlé S.A.
72: NOTH, André, JARISCH, Christian
33: EP (CH) 31: 16156870.4 32: 2016-02-23
33: EP(CH) 31: 16156864.7 32: 2016-02-23
54: CODE AND CONTAINER OF SYSTEM FOR PREPARING A BEVERAGE OR FOODSTUFF
00: -

A container for a beverage or foodstuff preparation machine, the container for containing beverage or foodstuff material and comprising a code encoding preparation information, the code comprising a reference portion and a data portion: the reference portion comprising reference units defining a reference line *r*; the data portion comprising a data unit, wherein said data unit is arranged on an encoding line *D* that intersects the reference line *r*, the data unit is arranged a distance *d* from said intersection as a variable to at least partially encode a parameter of the preparation information, whereby said encoding line *D* is circular and is arranged with a tangent thereto orthogonal the reference line *r* at said intersection point, wherein the reference units are arranged with a configuration defining a reference point from which the reference line *r* extends.



21: 2018/07862. 22: 2018/11/21. 43: 2025/08/19
51: G21G
71: QSA Global Inc.
72: VOSE, Mark W., SHILTON, Mark G., BROSOFSKY, Robert
33: US 31: 62/340,777 32: 2016-05-24
54: LOW DENSITY SPHERICAL IRIDIUM SOURCE
00: -

The disclosure pertains to a radiation source, typically containing low-density microbeads of iridium or compounds thereof within an encapsulation, and methods of manufacture thereof.



21: 2018/08199. 22: 2018/12/05. 43: 2025/09/29
51: G01J; G08B
71: OPTEX CO., LTD.
72: MORITA, Chihiro, IKEDA, Hiroyuki
33: JP 31: 2018-025911 32: 2018-02-16
54: SECURITY SENSOR DEVICE
00: -
A cover unit (100) covering a front face of a base unit (200) having detection elements (232A, 232B, 242A, 242B) for detecting detection rays has a plurality of optical members (122-1 to 122-8) present so as to be aligned about a predetermined axis (L3), and the base unit (200) has detection elements (232A, 232B, 242A, 242B) disposed at light-concentrated positions onto which the detection rays from the plurality of optical members (122-1 to 122-8) are concentrated. The base unit (200) further has shielding curved plates (260A, 260B) housed in the cover unit (100), and the shielding curved plates (260A, 260B) are set so as to be rotatable about the predetermined axis (L3), and are locked at predetermined positions in a rotation direction to block the detection rays coming to the detection elements.

21: 2019/00641. 22: 2019/01/30. 43: 2025/08/13
51: A61K; A61P
71: Sementis Limited
72: HOWLEY, Paul
33: AU 31: 2016903295 32: 2016-08-19
54: VIRAL VACCINES
00: -
The present invention relates to a composition for raising an immune response in animal which decreases the risk of chikungunya and smallpox infection, Zika virus and smallpox infection, and/or chikungunya, Zika virus and smallpox infection. The composition comprises a pharmaceutically acceptable carrier and an attenuated poxvirus, wherein the poxvirus genome comprises a nucleic acid sequence encoding the 26S subgenomic polyprotein of chikungunya virus and/or the PrME of Zika virus.

21: 2019/00838. 22: 2019/02/08. 43: 2025/07/29
51: C07K
71: Mitsubishi Tanabe Pharma Corporation
72: CORONELLA, Julia, BLOT, Vincent, GYMNOPOULOS, Marco, TIMMER, Anjuli, FUJITA, Ryo, NEWMAN, Roland
33: US 31: 62/401,428 32: 2016-09-29
54: CMET MONOCLONAL BINDING AGENTS, DRUG CONJUGATES THEREOF AND USES THEREOF
00: -
Presented herein, in certain embodiments, are compositions comprising monoclonal binding agents that specifically bind to the extracellular domain of cMET and uses thereof.

21: 2019/01139. 22: 2019/02/22. 43: 2025/08/20
51: B03D; B04C
71: Vulco S.A.
72: RADEMACHER, Marcelo, CINOTTI, Nestor
33: AU 31: 2016903534 32: 2016-09-02
54: A HYDROCYCLONE
00: -
A hydrocyclone (10) is disclosed which includes an internal conical separation chamber (15) which extends axially from a first end to a second end of relatively smaller cross-sectional area than the first end. The separation chamber (15) includes at least

one gas inlet device (60) which comprises a plurality of openings in the form of a series of elongate slits (82) arranged in a spaced-apart relationship from one another around an interior circumferential wall (80) of the gas discharge chamber (74). In use the slits (82) are arranged for admission of gas into the separation chamber (15) at a region located between the first and second ends.

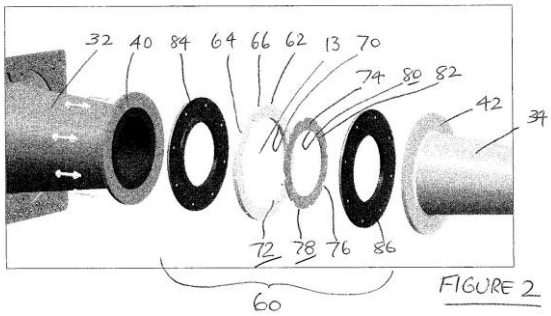
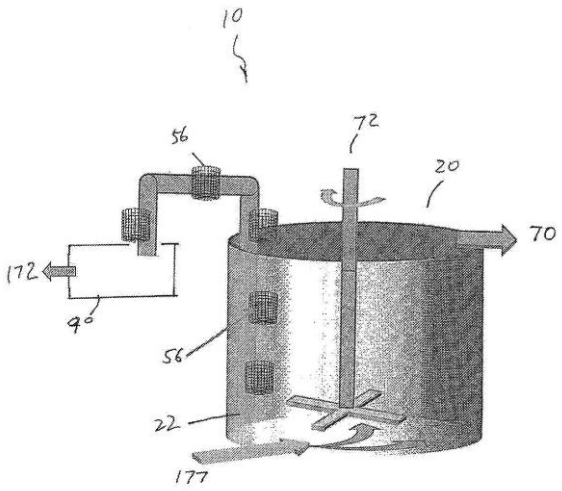
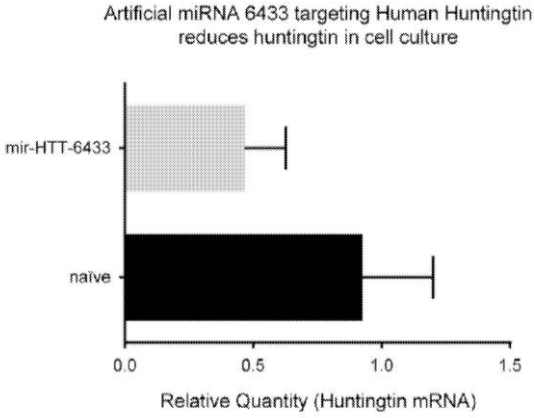


FIGURE 2

21: 2019/02087. 22: 2019/04/03. 43: 2025/08/20
51: B03D
71: CiDRA Corporate Services LLC
72: KERSEY, Alan D.
33: US 31: 62/403,825 32: 2016-10-04
54: HYBRID - FLOTATION RECOVERY OF MINERAL BEARING ORES
00: -
A flotation tank has an input to receive a slurry from a pipeline section. The slurry contains finer mineral particles and coarser mineral particles. The pipeline section has one or more loops or coiled sections arranged to perform partial centrifugal separation on the finer and coarser mineral particles. As the mineral particles are moved tangentially into the lower part of the flotation tank, the coarser mineral particles tend to be near the tank wall while the finer mineral particles tend to move into the central part of the tank. Air bubbles or lightweight synthetic bubbles are used to collect and lift the finer mineral particles to the upper part of the tank. The coarser mineral particles are recovered by using collection surfaces coated with a hydrophobic material.



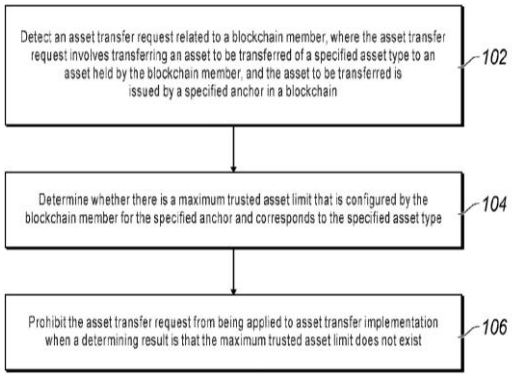
21: 2019/02226. 22: 2019/04/09. 43: 2025/08/22
51: A61K; C12N
71: University of Massachusetts
72: MUELLER, Christian, ARONIN, Neil, PFISTER, Edith L.
33: US 31: 62/398,487 32: 2016-09-22
54: AAV TREATMENT OF HUNTINGTON'S DISEASE
00: -
Aspects of the disclosure relate to compositions and methods useful for treating Huntington' s disease. In some embodiments, the disclosure provides interfering nucleic acids (e.g., artificial miRNAs) targeting the huntingtin gene (HTT) and methods of treating Huntington's disease using the same.



21: 2019/03630. 22: 2019/06/06. 43: 2025/08/13
51: C08B; C11D
71: The Procter & Gamble Company
72: HUANG, Zhengzheng, LU, Helen S M, QIU, Weiming, SHAH, Mukesh C., SHUEY, Steven W., SIVIK, Mark Robert, FLITER, Kristi Lynn

33: US 31: 62/435,158 32: 2016-12-16
54: AMPHIPHILIC POLYSACCHARIDE DERIVATIVES AND COMPOSITIONS COMPRISING SAME
00: -
The disclosure relates to compositions comprising a polysaccharide derivative, wherein the polysaccharide derivative comprises a polysaccharide substituted with a) at least one hydrophobic group, and b) at least one hydrophilic group, wherein the polysaccharide is poly alpha-1,3-glucan, poly alpha-1,6-glucan, or poly alpha-1,3-1,6-glucan.

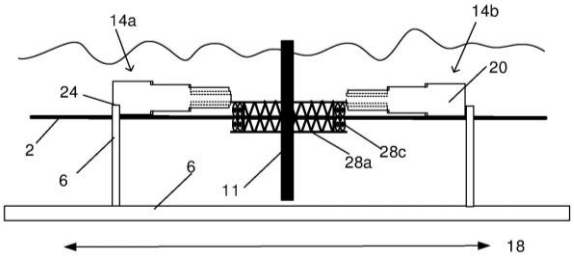
21: 2019/03672. 22: 2019/06/07. 43: 2025/08/06
51: G06Q; H04L
71: Antchain Technology Pte. Ltd.
72: HU, Danqing, LIN, Sen, ZHANG, Junliang
33: CN 31: 201810533816.9 32: 2018-05-29
54: ASSET TRANSFER METHOD AND APPARATUS, AND ELECTRONIC DEVICE
00: -
One or more implementations of the present specification provide an asset transfer method and apparatus and an electronic device, which are applied to a blockchain node. The method includes the following: An asset transfer request related to a blockchain member is detected, where the asset transfer request involves transferring an asset of a specified asset type to an asset held by the blockchain member, and the asset to be transferred is issued by a specified anchor in a blockchain. A determination is performed as to whether there is a maximum trusted asset limit that is configured by the blockchain member for the specified anchor and that corresponds to the specified asset type. The asset transfer request is prohibited when the determination is that the maximum trusted asset limit does not exist.



21: 2019/04287. 22: 2019/06/28. 43: 2025/07/29
51: A61K; A61P; C07K
71: Amgen Inc.
72: CHENG, Yuan, NETIROJJANAKUL, Chawita, HOLDER, Jerry Ryan, WU, Bin, FALSEY, James R., HERBERICH, Bradley J., SHAM, Kelvin, MIRANDA, Leslie P., LU, Shu-Chen, VENIANT-ELLISON, Murielle M., STANISLAUS, Shanaka, YIE, Junming, XU, Jing
33: US 31: 62/447,332 32: 2017-01-17
54: METHOD OF TREATING OR AMELIORATING METABOLIC DISORDERS USING GLP-1 RECEPTOR AGONISTS CONJUGATED TO ANTAGONISTS FOR GASTRIC INHIBITORY PEPTIDE RECEPTOR (GIPR)
00: -
Methods of treating metabolic diseases and disorders using a composition comprising an antigen binding protein specific for the GIPR polypeptide conjugated to a GLP-1 receptor agonist are provided. In various embodiments the metabolic disease or disorder is type 2 diabetes, obesity, dyslipidemia, elevated glucose levels, elevated insulin levels and diabetic nephropathy. In certain embodiments the composition comprises an antibody or functional fragment thereof comprising a cysteine at one or more conjugation site(s) wherein the GLP-1 receptor agonist is conjugated to the antibody or functional fragment thereof through the side-chain of the cysteine residue.

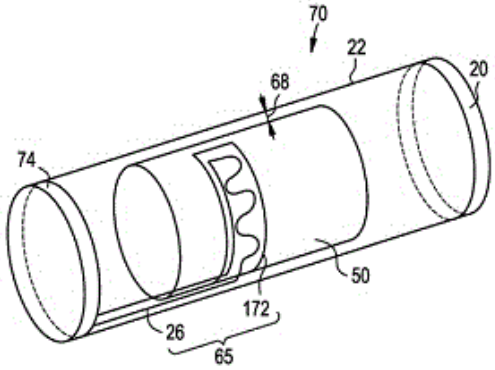
21: 2019/04457. 22: 2019/07/08. 43: 2025/08/22
51: F03B
71: Wavepiston A/S
72: VON BÜLOW, Martin, GLEJBØL, Kristian, MØLLER, Claus Schmidt
33: DK 31: PA 2016 00763 32: 2016-12-13
54: WAVE POWER DEVICE

00: -
The present invention relates to a wave power device for extracting energy from water waves. The waver power device comprise a reference structure and effectors moving relative to the reference structure. The effectors are connected to two hydraulic rams, symmetrically positioned around each effector. The hydraulic rams have an effective hydraulic area which is stepwise increased as the length of the hydraulic rams are compressed and stepwise increased as the length of the hydraulic rams are increased.



21: 2019/04591. 22: 2019/07/12. 43: 2025/08/20
51: A61K; A61P
71: Orion Corporation
72: KORPIVAARA, Mira, NIINISTÖ, Sauli, ORMIO, Sanna, SARÉN, Nina
33: FI 31: 20165960 32: 2016-12-13
54: DEXMEDETOMIDINE OR MEDETOMIDINE FOR USE IN TREATING SEPARATION ANXIETY IN DOGS
00: -
The invention relates to dexmedetomidine, medetomidine or a pharmaceutically acceptable salt thereof for use in a method of treating separation anxiety in companion animals, particularly dogs, comprising administering to a subject in need thereof an effective amount of said compound as the active ingredient. The active ingredient is preferably administered oromucosally, e.g. in the form of an oromucosal gel.

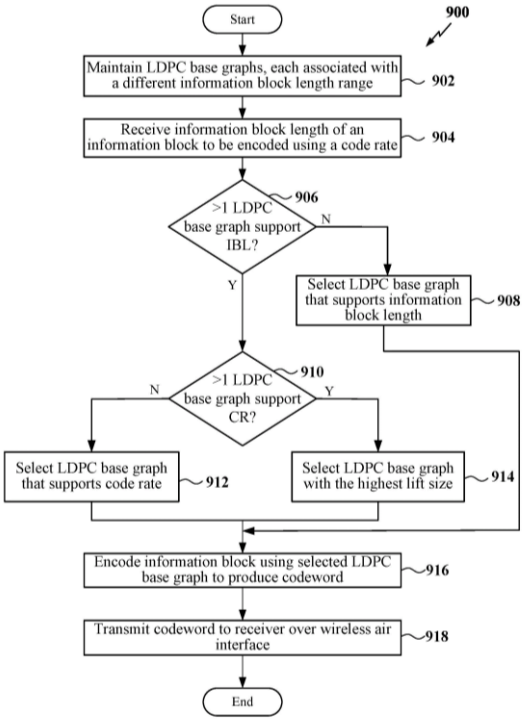
21: 2019/04642. 22: 2019/07/16. 43: 2025/08/21
51: A24F; A24B; A61K
71: ALTRIA CLIENT SERVICES LLC
72: MISHRA, MUNMAYA K, YU, SHAOYONG, LAU, RAYMOND, MARCQ, PAULINE, JORDAN, GEOFFREY BRANDON, TUCKER, CHRISTOPHER S
33: US 31: 62/072,076 32: 2014-10-29
54: ETHANOL-FREE GEL FORMULATION CARTRIDGE FOR E-VAPING DEVICE
00: -
The invention relates to an apparatus which comprises (a) a body of pre-vapor formulation configured to be contained within a reservoir and (b) a surface heater in contact with a surface of the body of pre-vapor formulation. The heater is configured to heat the body of pre-vapor formulation to form a vapor. The body of pre-vapor formulation may be a cylindrical body. The heater may contact the cylindrical body. The heater may be a wire coil heater, surface planar heater, ring-shaped planar heater, serpentine heater, coil heater, conformal planar surface heater, or conformal ring surface heater.



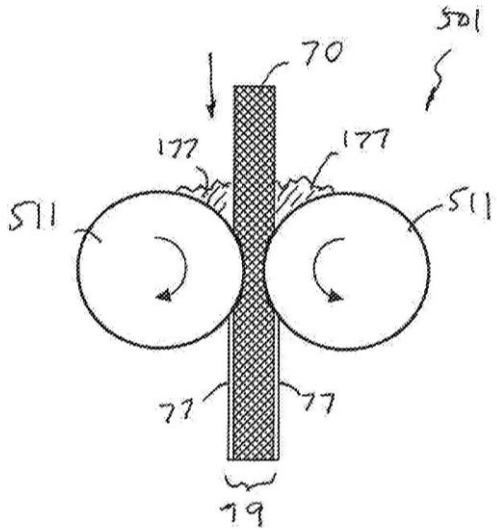
21: 2019/04895. 22: 2019/07/25. 43: 2025/08/19
51: A61K; A61P; C07D
71: Ono Pharmaceutical Co., Ltd.
72: NEKADO, Takahiro, KIJIMA, Hideomi, ONO, Shizuka, NISHIYAMA, Toshihiko
33: JP 31: 2017-011835 32: 2017-01-26
54: ETHANE-SULFONATE SALT OF QUINOLINE DERIVATIVE
00: -
The present invention relates to an ethane-sulfonate salt of N-{5-[(6,7-dimethoxy-4-quinolinyl)oxy]-2-pyridinyl}-2,5-dioxo-1-phenyl-1,2,5,6,7,8-hexahydro-3-quinolinecarboxamide, which has an Axl-inhibiting activity and is useful as a prophylactic and/or therapeutic agent for immune diseases, cancer and the like, a crystal thereof, and a pharmaceutical composition thereof.

21: 2019/05168. 22: 2019/08/05. 43: 2025/08/19
51: H03M
71: QUALCOMM Incorporated

72: SORIAGA, Joseph Binamira, SARKIS, Gabi, KUDEKAR, Shrinivas, RICHARDSON, Thomas, LONCKE, Vincent
33: US 31: 62/455,450 32: 2017-02-06
54: MULTIPLE LOW DENSITY PARITY CHECK (LDPC) BASE GRAPH DESIGN
00: -
Aspects of the present disclosure relate to low density parity check (LDPC) coding utilizing LDPC base graphs. Two or more LDPC base graphs may be maintained that are associated with different ranges of overlapping information block lengths. A particular LDPC base graph may be selected for an information block based on the information block length of the information block. Additional metrics that may be considered when selecting the LDPC base graph may include the code rate utilized to encode the information block and/or the lift size applied to each LDPC base graph to produce the information block length of the information block.

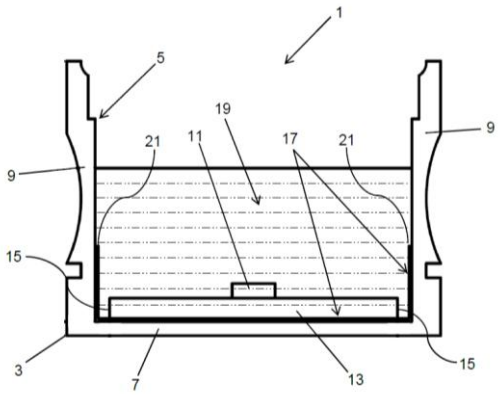


21: 2019/05649. 22: 2019/08/27. 43: 2025/08/22
51: B05C; C08J
71: CiDRA Corporate Services LLC
72: ROTHMAN, Paul J., FERNALD, Mark R., DOLAN, Paul, RYAN, Michael Stephen, BAILEY, Timothy J., JOHNSON, Kirk, TUXBURY, Patrick, COPPOLA, Michael D., LASSILA, Kevin Rodney, GREENE, Allison K.
33: US 31: 62/464,560 32: 2017-02-28
54: PROCESSES FOR COATING RETICULATED FOAMS
00: -
A substrate for use in an aqueous slurry has a polymeric coating to provide a compliant and sticky surface. The polymer coating has a chemical to render the surface hydrophobic so as to attract hydrophobic or hydrophobized mineral particles in the slurry. The substrate can take the form of a conveyor belt, a bead, a mesh, an impeller, a filter or a flat surface. The substrate can also be an open-cell foam. The polymeric coating can be modified with tackifiers; plasticizers; crosslinking agents; chain transfer agents; chain extenders; adhesion promoters; aryl or alky copolymers; fluorinated copolymers and/or additives; hydrophobizing agents such as hexamethyldisilazane; inorganic particles such as silica, hydrophobic silica, and/or fumed hydrophobic silica; MQ resin; and / or other additives to control and modify the properties of the polymer.



21: 2019/05948. 22: 2019/09/10. 43: 2023/03/10
51: F21V
71: NORDLAND OPERATIONS (PTY) LTD
72: FERREIRA, Eben
33: ZA 31: 2018/06027 32: 2018-09-10
54: AN LED LAMP AND LUMINAIRE
00: -
An LED lamp for a linear luminaire is provided. The luminaire includes an elongate flameproof housing having a gear tray supported within a body and a

diffuser assembly with the LED lamp mounted on the gear tray. The LED lamp includes an elongate support with an arrangement of light emitting diodes (LEDs) on at least one printed circuit board (PCB). The LEDs are spaced apart from each other along a length of the support. A layer of thermal transfer material is provided between the at least one PCB and the support. The LEDs and at least one PCB are embedded in a suitably transparent, settable polymeric compound. Alternatively, the LEDs and PCB are located beneath a layer of a suitably transparent, settable polymeric compound.



21: 2019/06003. 22: 2019/09/11. 43: 2025/07/29
51: C08G
71: RECTICEL Automobilsysteme GmbH
72: BOUCKAERT, Jean-Christophe, VANLANDSCHOOT, Koen
33: EP(DE) 31: 17168750.2 32: 2017-04-28
54: ELASTOMERIC COMPOSITE POLYURETHANE SKINS
00: -
An elastomeric composite polyurethane skin having an average flexural modulus, measured in accordance with ASTM D790-03, smaller than 35 MPa; said elastomeric composite polyurethane skins comprising a first aliphatic polyurethane layer made from a first polyurethane reaction mixture wherein said first polyurethane reaction mixture comprises at least one isocyanate compound (A1) having at least two NCO-groups which are not directly attached to an aromatic group, at least one isocyanate-reactive component (B1) and at least one catalyst component (C1) wherein the catalyst component (C1) is substantially free of lead, and a second aromatic polyurethane layer made from a second polyurethane reaction mixture wherein said second polyurethane reaction mixture comprises at least one aromatic isocyanate compound (A2), and at least one isocyanate-reactive component (B2) characterised in that the elastomeric composite polyurethane skin has a an average areal weight of equal to or less than 750 g/m2 and the second aromatic polyurethane layer has a second average areal weight of less than 300 g/m2.

21: 2019/06004. 22: 2019/09/11. 43: 2025/08/19
51: A61K; A61P; C07K
71: MedImmune Limited
72: DOBSON, Claire, WILLIAMS, Richard, GURRELL, Ian, PODICHETTY, Sadhana, FAIRMAN, David, THORNTON, Peter, NEWTON, Philip
33: US 31: 62/472,462 32: 2017-03-16
54: ANTI-PAR2 ANTIBODIES AND USES THEREOF
00: -
The present disclosure provides antibodies and antigen-binding fragments capable of binding PAR2. In some embodiments, the anti-PAR2 antibodies or antigen-binding fragments thereof bind PAR2 in a pH-dependent manner. The disclosure further provides methods for making and using the antibodies and antigen-binding fragments.

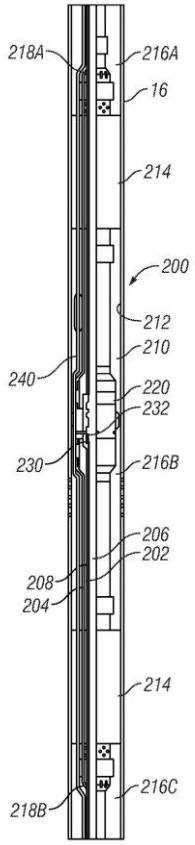
21: 2019/06037. 22: 2019/09/12. 43: 2025/08/22
51: A61K
71: Elanco Animal Health GmbH
72: HEEP, Iris, BILLIAN, Patrick
33: EP(DE) 31: 17155885.1 32: 2017-02-13
54: LIQUID COMPOSITION CONTAINING PRADOFLOXACIN
00: -
The invention relates to pharmaceutical compositions in liquid form comprising pradofloxacin in an aqueous solution and citric acid or thioglycerol as antioxidants.

21: 2019/06883. 22: 2019/10/18. 43: 2025/08/22
51: A61K
71: Hyloris Developments SA
72: JACOBSEN, Thomas
33: PCT/EP(BE) 31: 2017/059440 32: 2017-04-20
54: METHOD FOR PREPARING A COMPOSITION WITH A LOW DISSOLVED OXYGEN CONTENT, COMPRISING ACETAMINOPHEN, AND

OPTIONALLY ONE OR MORE NSAIDs, AND A COMPOSITION OBTAINED THEREOF
00: -
The present invention provides a method for preparing an intravenously administrable aqueous composition comprising acetaminophen, and optionally one or more non-steroidal anti-inflammatory drugs (NSAIDs), whereby the dissolved oxygen of the composition in a closed container is maximally 1.0 ppm, said method comprises rinsingat least once a compounding vessel with water of a temperature of at least 80°C, thereby heating the vessel and creating an oxygen low environment in said vessel; and in said rinsed vessel dissolving acetaminophen in water for injection, said water for injection is at a temperature of at least 80°C, whereby optionally one or more NSAIDS are added prior or after dissolving of acetaminophen.

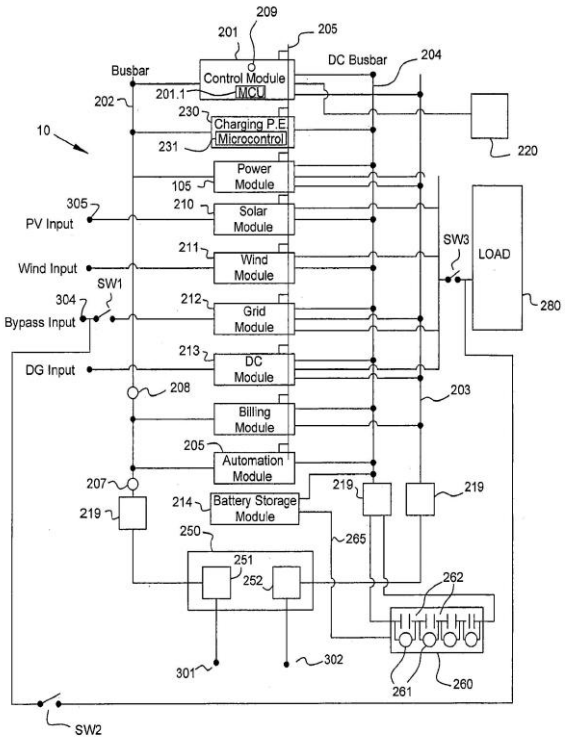
21: 2019/07233. 22: 2019/10/30. 43: 2025/08/22
51: A61P; C07D
71: Hangzhou DAC Biotech Co. Ltd
72: ZHAO, Robert Yongxin, HUANG, Yuanyuan, YANG, Qingliang, GAI, Shun, YE, Hangbo, ZHAO, Linyao, YANG, Chengyu, XU, Yifang, GUO, Huihui, CHAO, Minjun, TONG, Qianqian, LI, Wenjun, CAI, Xiang, ZHOU, Xiaomai, XIE, Hongsheng, JIA, Junxiang, ZHU, Haifeng, GUO, Zhixiang, GAO, Shuihong, WANG, Chunyan, LIN, Chen, YANG, Yanlei, YE, Zhicang, PENG, Jie, XU, Jun, ZUO, Xiaotao, SU, Qingyu
54: CONJUGATION OF A CYTOTOXIC DRUG WITH BIS-LINKAGE
00: -
What provided is the conjugation of cytotoxic to a cell-binding molecule with a bis-linker(dual-linker) as shown in Formula (I). It provides bis-linkage methods of making a conjugate of a cytotoxic drug molecule to a cell-binding agent in a specific manner. It also relates to application of the conjugates for the treatment of a cancer, or an autoimmune disease, or an infectious disease.

21: 2019/07407. 22: 2019/11/07. 43: 2025/08/20
51: E21B
71: Halliburton Energy Services, Inc.
72: POUNDS Jr., Steve Robert
54: APPARATUS WITH CROSSOVER ASSEMBLY TO CONTROL FLOW WITHIN A WELL
00: -
An apparatus for controlling fluid flow in a well includes an inner tubular member with a flow path formed therethrough and an outer tubular member configured to be positionable about the inner tubular member to define an annulus between the outer tubular member and the inner tubular member. The apparatus further includes a crossover assembly coupled to the inner tubular member and the outer tubular member and configured to enable fluid flow between the flow path of the inner tubular member and an exterior of the outer tubular member, and a flow control device coupled to the crossover assembly and configured to control fluid flow through the crossover assembly.



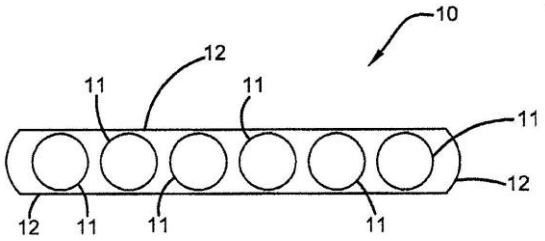
21: 2019/07590. 22: 2019/11/15. 43: 2025/08/20
51: G05F; H02J; H02M
71: Kilowatt Labs, Inc.
72: QURESHI, Waseem Ashraf
33: US 31: 62/486,654 32: 2017-04-18
54: APPARATUS AND METHOD OF AGGREGATING AND SUPPLYING ENERGY
00: -
An apparatus and method for aggregating and supplying energy includes a plurality of power

modules for inverting a first type of electrical power, which is supplied to the power modules from multiple sources of power, to a second type of electrical power at an output of the power modules for delivery of the inverted power to a storage device for future use, or to an electrical load, or to a regional or central utility grid. A power microcontroller is carried by and incorporated within each of the power modules and each is configured fo controlling the power inversion operations. The power microcontrollers are configured for generating, from each of the plurality of power modules, controlled pulses of charge and discharge for increasing storage capacity of the energy storage device. A control microcontroller is configured for monitoring voltage levels within the at least one energy storage device and for rebalancing voltage within the energy storage device.



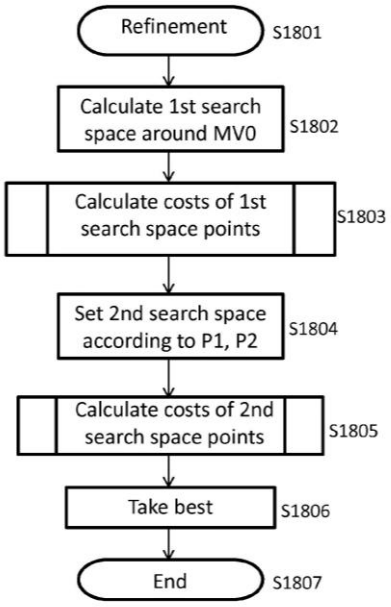
21: 2019/08221. 22: 2019/12/10. 43: 2025/08/19
51: G02B
71: WESCO Equity Corporation
72: ALLEN, Jerry L.
33: US 31: 15/640,784 32: 2017-07-03
54: FABRIC ENCASED MICRO TUBES FOR AIR BLOWN FIBERS
00: -

A device to be inserted into a conduit includes at least one tube intended to receive optic fibers or micro fiber optic cables therein. A jacket surrounds the tube. In an embodiment where there are a plurality of tubes, they are loosely aligned within the jacket. In another embodiment, opposed surfaces of the jacket are attached to each other to form compartments for each tube. In still another embodiment, the jacket holds the tubes generally in a bundle. The jacket of a tube may also be attached to one or more innerducts, each of which can receive a fiber optic cable. Alternatively, an innerduct may be attached to two jackets each of which carry a tube therein.

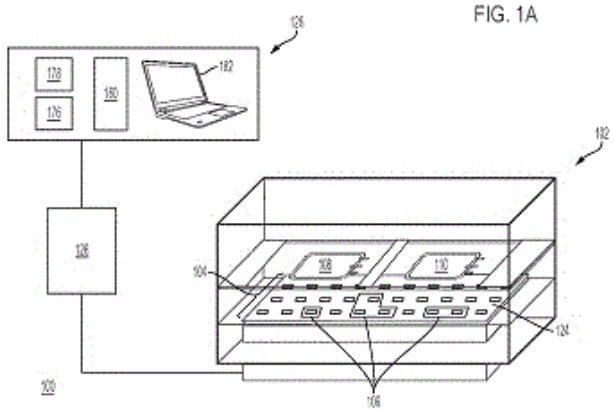


21: 2020/00465. 22: 2020/01/23. 43: 2025/08/19
51: H04N
71: Huawei Technologies Co., Ltd.
72: ESENLIK, Semih, KOTRA, Anand Meher, ZHAO, Zhijie, GAO, Han
54: SEARCH REGION FOR MOTION VECTOR REFINEMENT
00: -

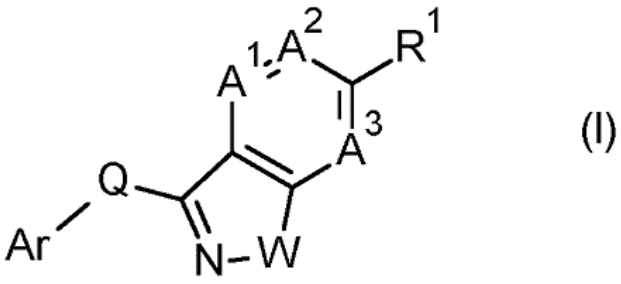
The present invention relates to the construction of a search space for determining a motion vector for a current block of a picture in a video sequence. The search space construction is split into in two main stages, wherein a first and a second partial search space are respectively determined. Based on an initial estimate of a motion vector, a first search space is first constructed. A first and a second candidate motion of the first search space are identified according to a cost function. Based on the first and the second candidate motion vectors, a second search space is constructed. The motion vector for the current block is selected from the candidate motion vectors of the first search space and the second search space.



21: 2020/04242. 22: 2020/07/10. 43: 2025/08/21
51: B01J; A01N; A61K; A61L; H01L
71: CERUS CORPORATION
72: CHURCH, DANIEL, BRINGMANN, PETER, CASTRO, GRACE, LU, THEA, REINHARDT, SHELBY, SANTA MARIA, FELICIA, STASSINOPOULOS, ADONIS
33: US 31: 62/612,314 32: 2017-12-29
54: SYSTEMS AND METHODS FOR TREATING BIOLOGICAL FLUIDS
00: -
Provided are systems and methods for treating a biological fluid, e.g., to inactivate pathogens.



21: 2020/04342. 22: 2020/07/15. 43: 2025/08/26
51: C07D A01N
71: BASF SE
72: CHAUDHURI, Rupsha, SAMBASIVAN, Sunderraman, NARINE, Arun, ADISECHAN, Ashokkumar, VYAS, Devendra
33: EP 31: 17209208.2 32: 2017-12-21
54: PESTICIDAL COMPOUNDS
00: -
The present invention relates to the compounds of formula (I), and the N-oxides, stereoisomers, tautomers and agriculturally or veterinarily acceptable salts thereof wherein the variables are defined according to the description, formula (I). The compounds of formula (I), as well as the N-oxides, stereoisomers, tautomers and agriculturally or veterinarily acceptable salts thereof, are useful for combating or controlling invertebrate pests, in particular arthropod pests and nematodes. The invention also relates to a method for controlling invertebrate pests by using these compounds and to plant propagation material and to an agricultural and a veterinary composition comprising said compounds.

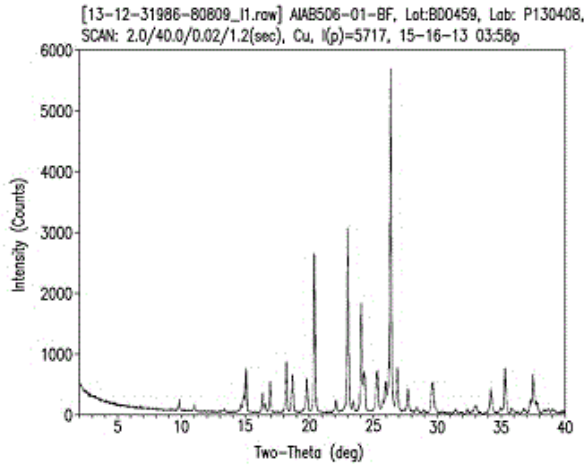


(I)

21: 2020/04503. 22: 2020/07/21. 43: 2025/08/19
51: A23J; A23K; B02C
71: Tessenderlo Group NV
72: BELMANS, Marc, DELMOTTE, Matthieu, FILLIERES, Romain, LOUSSOUARN, Vincent
33: EP(BE) 31: 18152812.6 32: 2018-01-22
54: IMPROVED METHOD FOR PRODUCING HIGH-QUALITY BLOOD MEAL
00: -
The invention relates to a method for producing blood meal comprising the subsequent steps of (i) providing an aqueous mixture comprising raw blood, preferably having a solid content of between about 5 and about 18 wt%, and (ii) increasing the solid content of the mixture to obtain a mixture having a solid content of about 20 wt% or higher, preferably between about 20-80 wt% and (iii) concurrently drying and grinding the resultant mixture in an air turbulence mill, to obtain blood meal having an average particle size (d50) between 20 µm and 0.7

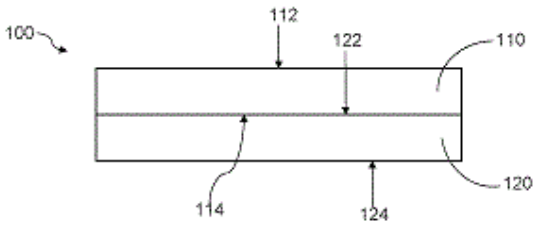
mm, a d90 of below 1 mm as measured with laser diffraction using a dry powder Beckman Coulter particle size analyzer, and an ileal digestibility of about 85% or higher preferably of about 87% or higher, and more preferably about 90% or higher. The invention furthermore relates to a coagulated blood meal product with high ileal digestibility.

21: 2020/04764. 22: 2020/07/31. 43: 2025/08/21
51: A61K; C07D
71: AKEBIA THERAPEUTICS, INC.
72: COPP, JAMES DENSMORE, NEWMAN, ANN W, LUONG, ANNE
33: US 31: 61/904,803 32: 2013-11-15
54: SOLID FORMS OF {[5-(3-CHLOROPHENYL)-3-HYDROXYPYRIDINE-2-CARBONYL]AMINO}ACETIC ACID, COMPOSITIONS, AND USES THEREOF
00: -
Provided herein are solid forms comprising {[5-(3-chlorophenyl)-3-hydroxypyridine-2-carbonyl]amino} acetic acid, compositions comprising the solid forms, methods of making the solid forms and methods of their use for the treatment of various diseases and/or disorders.



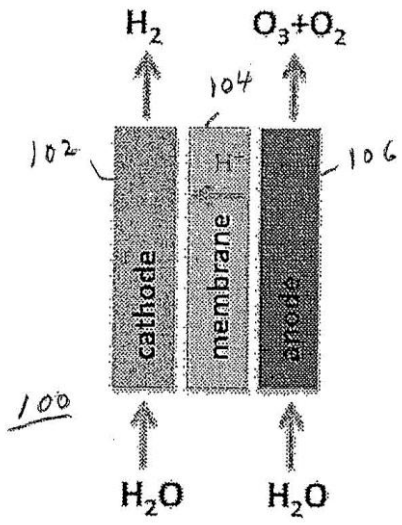
21: 2020/05212. 22: 2020/08/21. 43: 2025/08/13
51: H01H
71: General Equipment and Manufacturing Company, Inc. d/b/a Topworx, Inc.
72: LAFOUNTAIN, Robert L., SIMMONS, Michael John
33: US 31: 16/548,424 32: 2019-08-22
54: ELECTRICAL SWITCH CONTACT SETS
00: -
Electrical switch contact sets are disclosed. A disclosed example apparatus includes a movable platform having first and second contacts, where the first and second contacts electrically coupled via the movable platform, and a stationary portion having third and fourth contacts, where the movable platform is movable to bring the first and second contacts in contact with the third and fourth contacts, respectively, to simultaneously close a current path of an electrical circuit associated with the first, second, third and fourth contacts.

21: 2020/05599. 22: 2020/09/09. 43: 2025/08/26
51: B01D
71: DONALDSON COMPANY, INC.
72: RAHMATHULLAH, Aflal, DALLAS, Andrew, J., TUCKER, Brian, R., ADAMEK, Daniel, E., WAY, Paul, A., BETCHER, Scott, A., KAPOOR, Vijay, K., MARCKS, Colter, A., ROSSITER, William, S., WINTERS, Timothy, O., JODI, Wijadi, HAUSER, Bradly, G., MORAVEC, Davis, B., GOERTZ, Matthew, P., SONTAG, Stephen, K., RAJGARHIA, Stuti, S., CHRIST, Charles, S., BLOCK, Joseph, M.
33: US 31: 62/631,402 32: 2018-02-15
54: FILTER MEDIA CONFIGURATIONS
00: -
The current technology relates to filter media configurations where the filter media has a surface with a treatment that that increases the roll off angle of the surface for a 50 µL water droplet when the surface is immersed in toluene. Some example filter media has a fluted configuration, and some example filter media has multiple layers. Filter media having multiple layers can be single facer media, for example, where one layer is planar and another layer is fluted.

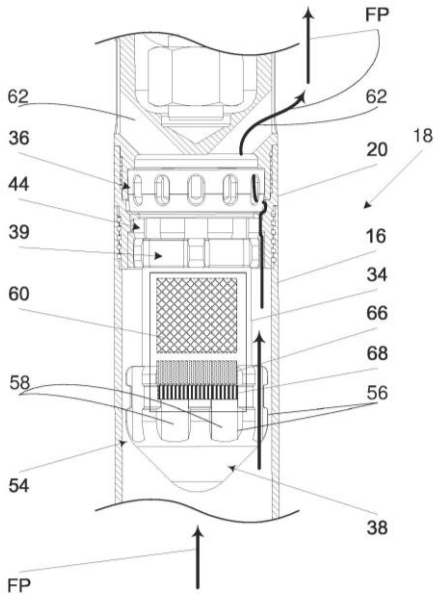


21: 2020/05970. 22: 2020/09/28. 43: 2025/08/08
51: C25B
71: Northstar Medical Radioisotopes LLC
72: LUST, Dorian
33: US 31: 62/649,928 32: 2018-03-29

54: OZONE WATER GENERATION SYSTEM
00: -
A novel system for generating ozonated water, for example, for sterilization of medical equipment. The system comprises an ozone generating cell including a nafion membrane separating an anode, and a cathode enclosed within a cell housing. The cell housing has a cathode housing portion and an anode housing portion separated by the membrane. The housing also incorporates an integrated spectrophotometer including a bubble trap. The system includes a hydrogen water reservoir for receiving water from the cathode and an ozone water reservoir for receiving generated ozonated water from the anode. Control circuitry controls a set of pumps, and controls ozone generation in a closed loop using the spectrophotometer to provide a selected ozone concentration in the ozonated water from the anode. An output port coupled to the ozone water reservoir allows ozonated water to flow out of the system for external use.

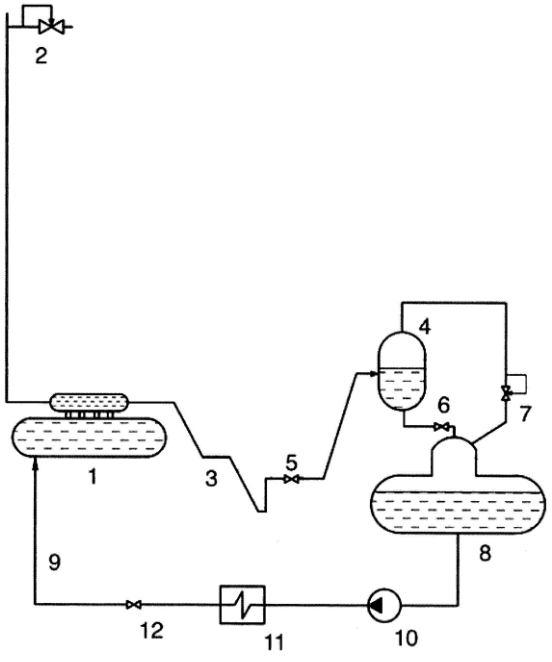


21: 2020/06871. 22: 2020/11/04. 43: 2025/09/23
51: E21B; F16K
71: REFLEX INSTRUMENTS ASIA PACIFIC (PTY) LTD
72: BEACH, Andrew Phillip, GAYLARD, Nigel Warwick, PRICE, Timothy Merle, KABZINSK, Richard, REILLY, James Barry
33: AU 31: 2017900745 32: 2017-03-03
54: A CHECK VALVE, ASSOCIATED DOWNHOLE DATA COLLECTION SYSTEM AND INNER CORE BARREL ASSEMBLY
00: -
A check valve (18) may be incorporated in an inner core barrel assembly (10). The check valve (18) has a valve body (20) defining a fluid flow path FP and provided with a valve seat (24). A valve member (22) is located in the valve body (20) and coupled to the valve body (20) by a coupling mechanism (37). The coupling mechanism (37) is arranged to allow the valve member (22) to move linearly in an axial direction relative to the valve body (20) onto and off of the valve seat (24) and maintain a fixed rotational relationship with the valve body (20). A data acquisition system (60) can be held in the valve member (22) and by virtue of the coupling mechanism be maintained rotationally fixed relative to the valve body an inner core tube (16) of an inner core barrel assembly (10).

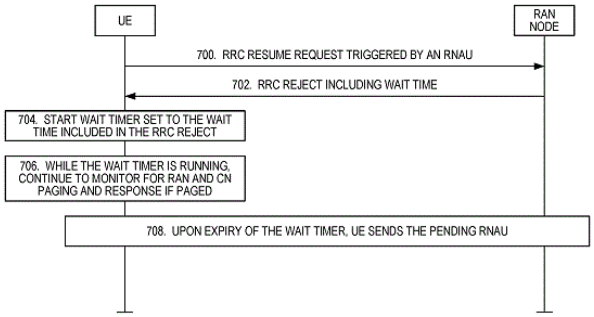


21: 2020/07029. 22: 2020/11/11. 43: 2025/08/19
51: G21C
71: Joint-Stock Company Scientific Research and Design Institute for Energy Technologies "Atomproekt", Joint Stock Company "Science and Innovations"
72: BEZLEPKIN, Vladimir Viktorovich, GAVRILOV, Maksim Vladimirovich, TRETYAKOV, Evgenij Aleksandrovich, KOZLOV, Vyacheslav Borisovich, OBRAZCOV, Evgenij Pavlovich, MEZENIN, Evgenij Igorevich, SHIRVANYANC, Anton Eduardovich, ALTBREGEN, Darya Robertovna, NOSANKOVA, Lajne Vyajnovna, EGOROV, Evgenij Yurevich, LUKINA, Anzhela Vasilevna, VIBE, Dmitrij Yakovlevich

33: RU 31: 2018134285 32: 2018-09-28
54: METHOD AND SYSTEM FOR RETURNING A NUCLEAR POWER STATION TO A SAFE STATE AFTER AN EXTREME EVENT
00: -
A system for returning a nuclear power station to a safe state after an extreme event includes a feed pipe, a discharge pipe, a steam generator, a storage tank, and a heat exchanger, and further comprises a separating tank which is disposed higher than the steam generator and is connected by two pipes to the storage tank, a pump, and a control unit. The heat exchanger is mounted in the discharge pipe; a first water valve is mounted in the feed pipe. The separating tank is connected to the storage tank by a pipe having a second water valve mounted therein and by a pipe having a first air valve mounted therein. Also claimed is a method for returning a nuclear power station to a safe state after an extreme event. The group of inventions increases the operating safety of a nuclear power plant in the case of extreme events by providing the possibility of lowering the temperature of a coolant to below boiling point while preventing the likelihood of hydraulic shocks in the system by separating steam and water.

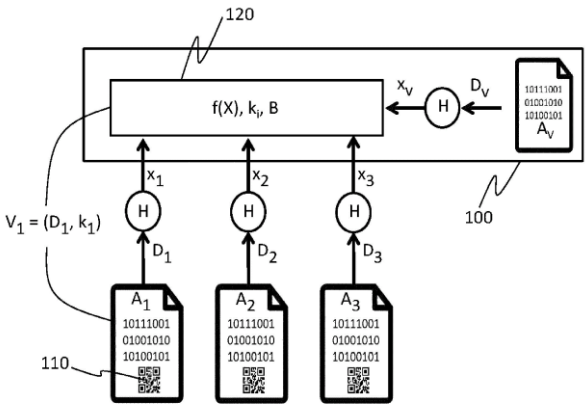


21: 2020/07137. 22: 2020/11/16. 43: 2025/08/13
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: MILDH, Gunnar, DA SILVA, Icaro L. J.
33: US 31: 62/669,822 32: 2018-05-10
54: UE BEHAVIOR WITH REJECTION OF RESUME REQUEST
00: -
Systems and methods are disclosed herein relating to wireless device behavior after rejection of a resume request triggered by a Radio Access Network (RAN) based Notification Area Update (RNAU) or upon cell reselection during resume. In some embodiments, a method of operation of a wireless device comprises transmitting, to a RAN node, a Radio Resource Control (RRC) resume request triggered by an RNAU and receiving, from the RAN node, an RRC resume reject message comprising a wait timer value in response to the RRC resume request. The method further comprises starting a wait timer initialized with the wait timer value and sending the RNAU when the wait timer has expired. Corresponding embodiments of a wireless device are also disclosed. Embodiments of a wireless device and methods of operation thereof related to the behavior of the wireless device upon performing a cell reselection during resume are also disclosed.

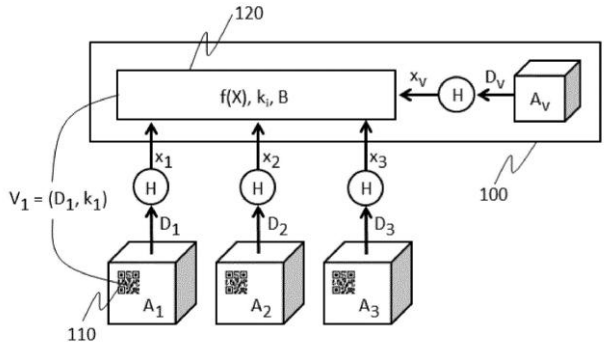


21: 2021/00354. 22: 2021/01/18. 43: 2025/07/29
51: G06F; H04L
71: SICPA HOLDING SA
72: DECOUX, Eric, GILLET, Philippe, THEVOZ, Philippe, WALLACE, Elisabeth
33: EP(CH) 31: 18178628.6 32: 2018-06-19
54: DIGITAL FILE ANTI-FORGERY PROTECTION
00: -
The invention relates to securing of a digital file content against forgery and falsifying, and particularly of digital data relating to its belonging to a specific batch of digital files, while allowing offline

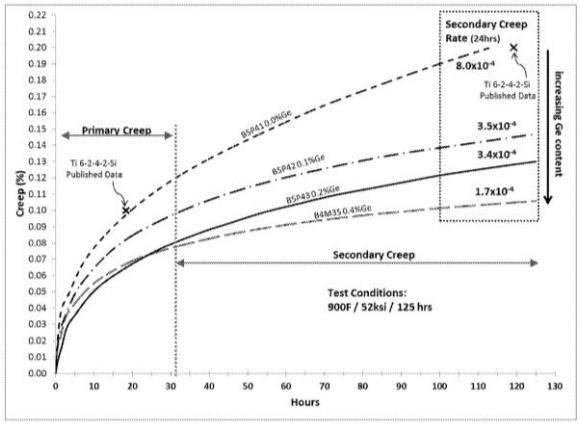
or online checking of the authenticity of a secured digital file and conformity of its digital data with respect to that of a genuine original digital file.



21: 2021/00358. 22: 2021/01/18. 43: 2025/07/29
51: G06F; G06K
71: SICPA HOLDING SA
72: DECOUX, Eric, GILLET, Philippe, THEVOZ, Philippe, WALLACE, Elisabeth
33: EP(CH) 31: 18178639.3 32: 2018-06-19
54: ARTICLE DUAL MATERIAL-DIGITAL ANTI-FORGERY PROTECTION
00: -
The invention relates to securing of an article against forgery and falsifying of its associated data, and particularly of data relating to its belonging to a specific batch of articles, while allowing offline or online checking of the authenticity of a secured article and conformity of its associated data with respect to that of a genuine article.

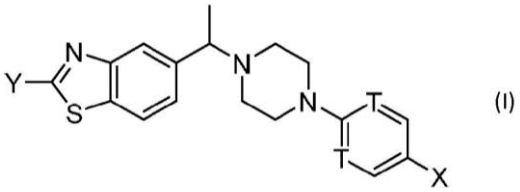


21: 2021/00599. 22: 2021/01/27. 43: 2025/07/29
51: C22C; C22F
71: ATI Properties LLC
72: MANTIONE, John V., BRYAN, David J., GARCIA-AVILA, Matias
33: US 31: 16/114,405 32: 2018-08-28
54: CREEP RESISTANT TITANIUM ALLOYS
00: -
A non-limiting embodiment of a titanium alloy comprises, in weight percentages based on total alloy weight: 5.5 to 6.5 aluminum; 1.5 to 2.5 tin; 1.3 to 2.3 molybdenum; 0.1 to 10.0 zirconium; 0.01 to 0.30 silicon; 0.1 to 2.0 germanium; titanium; and impurities. A non-limiting embodiment of the titanium alloy comprises a zirconium-silicon-germanium intermetallic precipitate, and exhibits a steady-state creep rate less than $8x10^{-4}$ $(24\ hrs)^{-1}$ at a temperature of at least 890°F under a load of 52 ksi.



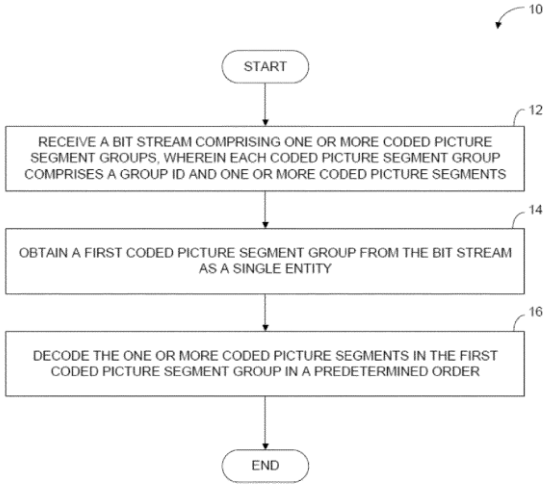
21: 2021/00919. 22: 2021/02/10. 43: 2025/07/29
51: A61P; C07K
71: Regeneron Pharmaceuticals, Inc.
72: ORENGO, Jamie M., LIMNANDER, Andre, KIM, Jee H., MURPHY, Andrew J.
33: US 31: 62/721,921 32: 2018-08-23
54: ANTI-FC EPSILON-R1 ALPHA (FCER1A) ANTIBODIES, BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND FCER1A AND CD3, AND USES THEREOF
00: -
The present invention provides novel full-length human antibodies that bind to human Fc epsilon-R1 alpha (monospecific antibodies). The present invention also provides novel bispecific antibodies (bsAbs) that bind to both Fc epsilon-R1 alpha and CD3 and activate T cells via the CD3 complex in the presence of Fc epsilon-R1 alpha-expressing cells. The bispecific antigen-binding molecules of the invention are useful for the treatment of diseases and disorders in which an up regulated or induced Fc epsilon-R1 alpha-targeted immune response is desired and/or therapeutically beneficial. For example, the bispecific antibodies of the invention are useful for the treatment of allergies, including anaphylaxis.

21: 2021/00981. 22: 2021/02/12. 43: 2025/07/29
51: A61K; A61P; C07D
71: Asceneuron SA
72: QUATTROPANI, Anna, KULKARNI, Santosh S., GIRI, Awadut Gajendra, HETT, Robert, CROWE, David Malcolm
33: EP(CH) 31: 18190155.4 32: 2018-08-22
54: SUCCINATE AND FUMARATE ACID ADDITION SALTS OF PIPERAZINE DERIVATIVES USEFUL AS GLYCOSIDASE INHIBITORS
00: -
The invention relates to succinic acid addition salts or fumaric acid addition salts of piperazine derivatives of formula (I), as well as solid forms, such as polymorphic forms, thereof, which are useful as pharmaceutical ingredients and in particular as glycosidase inhibitors.

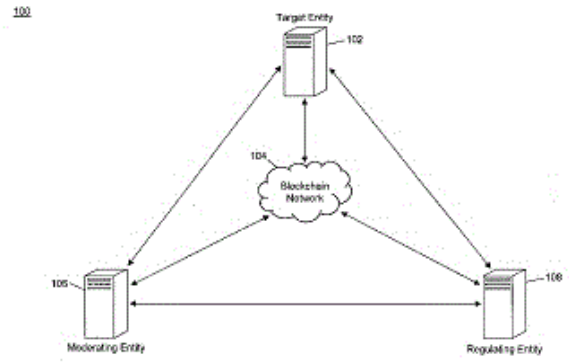


(I)

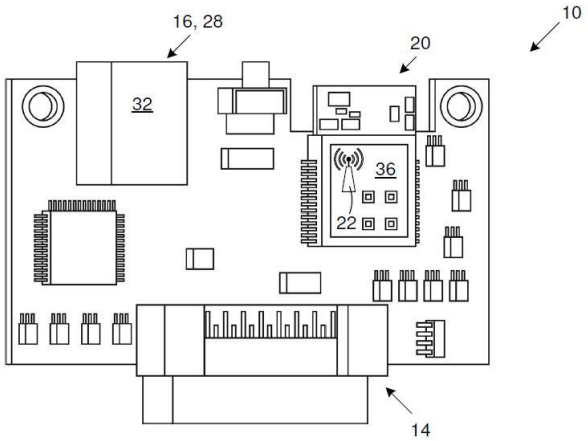
21: 2021/01932. 22: 2021/03/23. 43: 2025/08/19
51: H04N
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: PETTERSSON, Martin, SJÖBERG, Rickard, DAMGHANIAN, Mitra
33: US 31: 62/740,360 32: 2018-10-02
54: ENCODING AND DECODING PICTURES BASED ON TILE GROUP ID
00: -
An encoder (80) and a decoder (60) are provided for encoding, and decoding pictures, respectively. The encoder defines a structure for a picture segment by dividing the picture into multiple picture segment groups (T1, T2) and assigning a unique group ID to each group. Each picture segment group is further divided into one or more picture segments or "tiles," (T) with each picture segment being assigned the ID of its picture segment group. The encoder then encodes the picture segments of the picture segment groups into a bit stream (B), and sends the bit stream to the decoder. Upon receiving the bit stream, the decoder extracts each picture segment group as a single entity and decodes the picture segments in each picture segment group in a predetermined order.



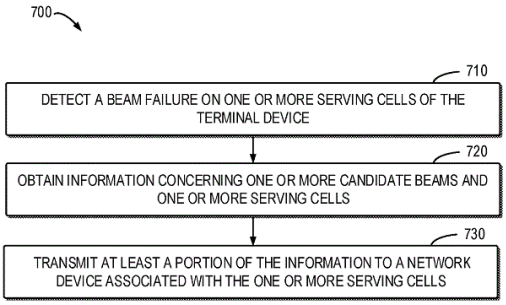
21: 2021/02387. 22: 2021/04/12. 43: 2025/08/04
51: H04L
71: MASTERCARD INTERNATIONAL INCORPORATED
72: YADAV, RAKESH, DAVIS, STEVEN CHARLES
33: US 31: 16/221,992 32: 2018-12-17
54: METHOD AND SYSTEM FOR CONSENT TO TIME-BOUND QUERIES IN A BLOCKCHAIN
00: -
A method for automatically provisioning data for an opaque blockchain based on prior consent includes: receiving a consent request including transaction criteria and at least two digital signatures, the first digital signature generated by a regulating entity and the second digital signature generated by a moderating entity in a blockchain network; validating the first and second digital signature; digitally signing the received consent request using a private key of a first cryptographic key pair; transmitting the digitally signed consent request to the regulating entity; receiving a query request from the regulating entity, the query request including an executable query; executing the executable query to identify transaction data for electronic transactions in compliance with the transaction criteria; and transmitting the identified transaction data to the regulating entity.



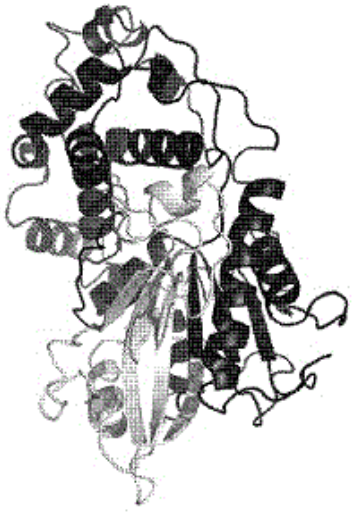
21: 2021/02528. 22: 2021/04/16. 43: 2025/09/01
51: G06F; G06Q
71: RAUTENBACH, Francois Johannes
72: RAUTENBACH, Francois Johannes
33: ZA 31: 2018/06340 32: 2018-09-21
54: ADAPTER FOR A PRINTER
00: -
There is provided an adapter for a printer, a method of authenticating payment and a payment authentication system. The adapter comprises a first interface which connects the adapter to the printer, a second interface which enables communication between the printer and a point of sale system. The adapter includes a payment authentication device which includes a wireless interface for communicating with a mobile device of a customer. A third interface of the adapter is connected to the payment authentication device and is configured to emulate a payment terminal.



21: 2021/02612. 22: 2021/04/20. 43: 2025/08/26
51: H04W
71: NOKIA TECHNOLOGIES OY
72: KOSKELA, Timo, TURTINEN, Samuli, WU, Chunli, ENESCU, Mihai, HAKOLA, Sami
33: CN 31: PCT/CN2018/108130 32: 2018-09-27
54: REPORTING BEAM FAILURE
00: -
Embodiments of the present disclosure relate to reporting beam failure. A terminal device detects a beam failure on one or more serving cells of the terminal device. If the beam failure is detected on the one or more serving cells, the terminal device obtains information concerning one or more candidate beams and the one or more serving cells. Each of the one or more candidate beams is associated with a respective one of the one or more serving cells. The terminal device then transmits at least a portion of the information to a network device associated with the one or more serving cells.



21: 2021/03511. 22: 2021/05/24. 43: 2025/08/06
51: A23K; C12N
71: INTERNATIONAL N&H DENMARK APS
72: BABE, LILIA MARIA, CHRISTENSEN, TRINE, HAANING, SVEND, KIM, HYE-SOOK, MEJLDAL, RIE, NIKOLAEV, IGOR, PRASAD, JAHNAVI CHANDRA, PRICELIUS, SINA, SØRENSEN, JENS FRISBAEK, SORG, ROBIN ANTON
33: US 31: 62/769,713 32: 2018-11-20
33: US 31: 62/887,714 32: 2019-08-16
33: US 31: 62/851,122 32: 2019-05-22
54: ENGINEERED ROBUST HIGH TM-PHYTASE CLADE POLYPEPTIDES AND FRAGMENTS THEREOF
00: -
Engineered robust high Tm-phytase clade polypeptides and fragments thereof are described herein. Also described are methods of making such engineered robust high Tm- phytase clade and fragments thereof and use thereof in enhancing animal performance.



21: 2021/04912. 22: 2021/07/13. 43: 2025/08/05
51: C12N
71: VERSAMEB AG
72: SELVARAJ, Justin, Antony, SCHAFFHAUSER, Hervé, METZGER, Friedrich
33: EP 31: 18214221.6 32: 2018-12-19
33: EP 31: 19208066.1 32: 2019-11-08
54: RNA ENCODING A PROTEIN
00: -
The present invention relates to a mRNA comprising a nucleic acid sequence encoding a protein and a signal peptide and a transcription unit, an expression vector or a gene therapy vector comprising a nucleic acid encoding a protein and a signal peptide. Also disclosed herein is a therapeutic composition comprising said mRNA, transcription unit, expression vector or gene therapy vector and use of the therapeutic composition in treating a disease or a condition.

21: 2021/08041. 22: 2021/10/20. 43: 2025/08/01
51: E02F
71: CATERPILLAR INC.
72: MCCAFFREY , BRANDON H, BALAN, MIHAI M
33: US 31: 16/393,458 32: 2019-04-24
54: GROUND ENGAGING TIP AND GROUND ENGAGING TOOL ASSEMBLY
00: -
A ground engaging tip (90) for a machine implement comprises a ground engaging portion (304); a coupling portion (302), the coupling portion and the ground engaging portion extending along a longitudinal tip axis. The coupling portion includes an interior surface defining a coupler pocket having an adapter opening disposed at the coupling portion, a first lug opening and a second lug opening. The interior surface includes an interior base wall, the coupler pocket extending from the interior base wall to the adapter opening along the longitudinal tip axis. The interior surface includes a first interior face surface and a second interior face surface, converging toward each other in a direction toward the interior base wall. The interior surface includes a first interior side surface and a second interior side surface in spaced relationship to each other and between the first interior face surface and the second interior face surface. The first interior side surface and the second interior side surface respectively define the first lug opening and the second lug opening, the first lug opening extending along a first lug opening axis, and the second lug opening extending along a second lug opening axis. The first lug opening axis and the longitudinal tip axis define a first lug opening taper angle, the second lug opening axis and the longitudinal tip axis define a second lug opening taper angle, the first lug opening taper angle and the second lug opening taper angle both being oblique.

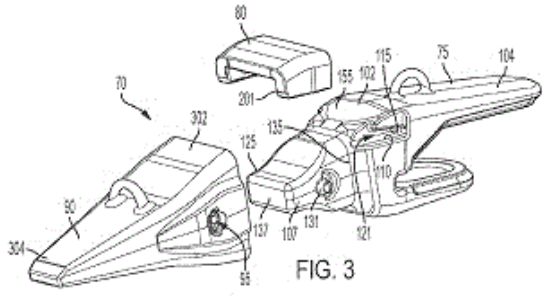
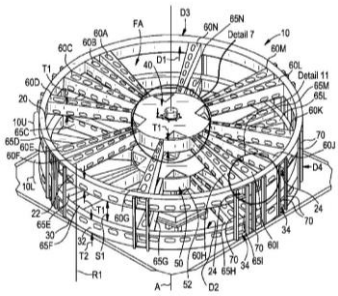


FIG. 3

21: 2021/08693. 22: 2021/11/05. 43: 2025/05/02
51: F28D; F28F
71: ARVOS LJUNGSTROM LLC
72: STARK, William, J. Jr., SOROCHIN, Adam, C., O'BOYLE, Kevin
33: WO 31: PCT/US2019/031701 32: 2019-05-10
54: LOW PROFILE SUPPORT STRUCTURE FOR A ROTARY REGENERATIVE HEAT EXCHANGER
00: -
A support structure for a rotary regenerative heat exchanger includes an upper section, a lower section, and a plurality of support members. The upper section includes an upper ring having a first exterior surface, an upper hub and at least three upper spokes each extending between and secured

at respective ends thereof to the upper ring and the upper hub. Each of the plurality of support members are fixedly secured, directly or indirectly, to the upper ring and the lower section. An annular space is between the upper ring and the lower ring, which is configured to receive compartments of a rotor assembly. The upper hub, the upper spokes and the support members cooperate to provide rigidity to the support structure by cooperating to support and transmit the weight of the upper spokes, the upper ring and the upper hub to the lower section.

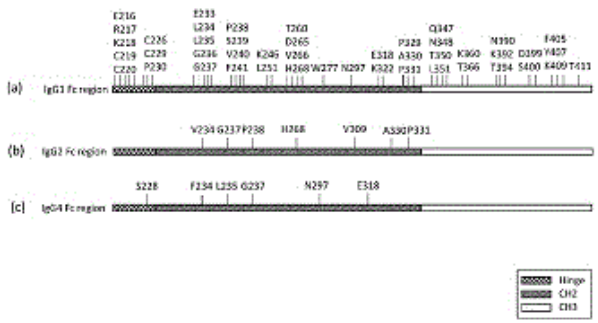


21: 2022/01378. 22: 2022/01/28. 43: 2025/08/05
51: A61P; C07K; A61K
71: TONIX PHARMA LIMITED
72: LEDERMAN, SETH
33: US 31: 62/869,489 32: 2019-07-01
33: US 31: 63/018,123 32: 2020-04-30

54: ANTI-CD154 ANTIBODIES AND USES THEREOF

00: -

This disclosure relates to anti-human CD154 antibodies with modified effector function. This disclosure also relates to the use of these anti-human CD154 antibodies in treating conditions associated with CD154 activation, such as transplant rejection, inflammatory conditions and disease, dysfunctional immune responses associated with viral infections and diseases, autoimmune conditions and disease, allergic conditions, atherosclerotic conditions, or neurodegenerative conditions and diseases. It also relates to the use of these anti-human CD154 antibodies in inducing central tolerance and hematopoietic chimerism in transplant patients.



21: 2022/03213. 22: 2022/03/17. 43: 2025/08/13
51: G06T
71: Wuyi University
72: DENG, Fuqin, HUANG, Yongshen, PENG, Jianfeng, FENG, Hua, CHEN, Yingying, LI, Weike
33: CN 31: 201911117335.0 32: 2019-11-15

54: METHOD FOR SEMIAUTOMATIC IMAGE DATA ANNOTATION, ELECTRONIC DEVICE, AND STORAGE MEDIUM

00: -

A semi-automatic image data labeling method, an electronic apparatus, and a storage medium. By means of acquiring a coordinate point of an unselected region and a first range value in step S200, by means of taking the coordinates of a mouse acquired by clicking on the unselected region via the mouse as the coordinate point of the unselected region, and by means of selecting the coordinate point of the unselected region and the first range value multiple times, an edge tracking algorithm can be executed after each grabcut, so as to obtain the current edge coordinates, and local coordinate sets are updated by using the current edge coordinates obtained each time; and finally, after a user confirms that a foreground region is completely selected, the user may press a certain key on a keyboard, so as to send a select-all instruction, and at this moment, the local coordinate sets are taken as all coordinate sets; and the user inputs category information corresponding to a foreground image, and saves the category information and all the coordinate sets as JSON files for subsequent neural network training.

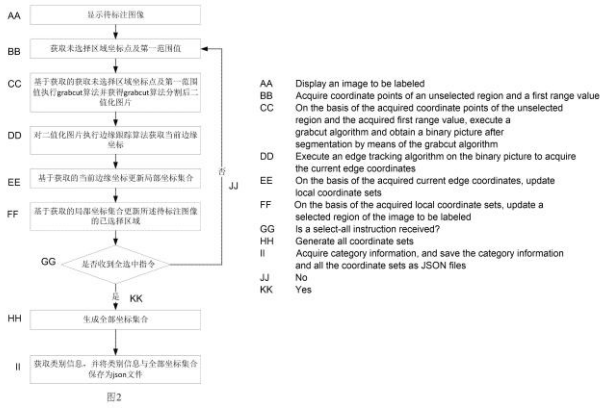
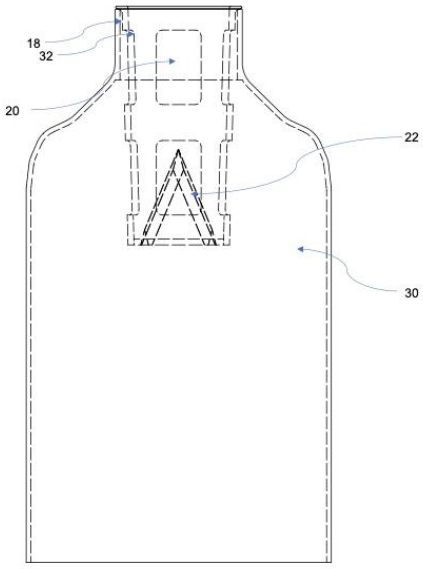


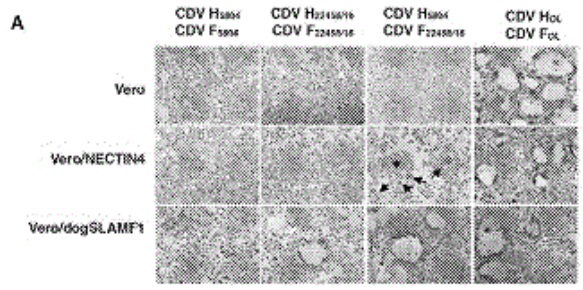
图2

21: 2022/03254. 22: 2022/03/18. 43: 2025/09/18
51: A61K; C07K; C12N; A61P
71: Joint Stock Company "Biocad"
72: ULITIN, Andrei Borisovich, KONONOV, Aleksey Vladimirovich, AGEEV, Sergei Andreevich, GORDEEV, Aleksandr Andreevich, VINOGRADOVA, Elena Vladimirovna, EVDOKIMOV, Stanislav Rudolfovich, SHMAKOVA, Aleksandra Pavlovna, MITROSHIN, Ivan Vladimirovich, MOROZOV, Dmitry Valentinovich;
33: RU 31: 2019129569 32: 2019-09-19
54: IMMUNOCYTOKINE COMPRISING HETERODIMERIC PROTEIN COMPLEX BASED ON IL-15/IL-15R?
00: -
The present invention relates to an immunocytokine comprising an heterodimeric protein complex based on IL-15/IL-15Ra, and to use thereof as a therapeutic agent, in particular as an agent for the treatment of cancer and an autoimmune disease. The present invention further relates to an immunocytokine comprising a heterodimeric protein complex based on an IL-15/IL-15Ra and an immunomodulatory antibody, and to use thereof as a therapeutic agent, in particular as an agent for the treatment of cancer and an autoimmune disease.

21: 2022/03818. 22: 2022/04/04. 43: 2024/09/18
51: B65D; G01F
71: JOHAN VOLSCHENK
72: JOHAN VOLSCHENK
54: MIXING HEAD
00: -
The present invention relates to a mixing head and more particularly to a mixing head receivable within a container opening to facilitate dispensing of a supplemental component into a container to achieve a predetermined dilution ratio.

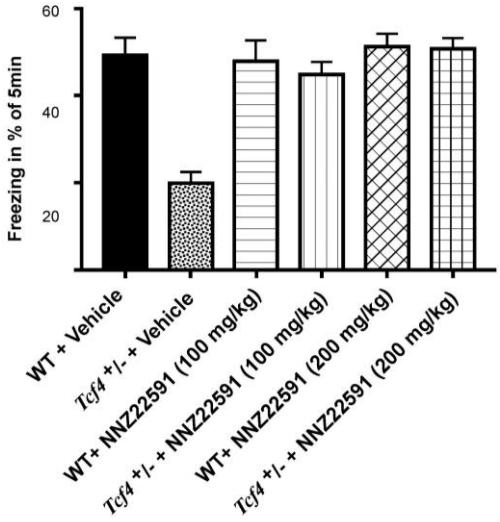


21: 2022/03974. 22: 2022/04/07. 43: 2025/08/21
51: C07K; C12N; A61K
71: MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
72: RUSSELL, STEPHEN JAMES, MUNOZ ALIA, MIGUEL A
33: US 31: 62/913,111 32: 2019-10-09
54: CANINE DISTEMPER VIRUS HEMAGGLUTININ AND FUSION POLYPEPTIDES
00: -
This document provides methods and materials related to CDV H and/or CDV F polypeptides. For example, CDV H polypeptides, CDV F polypeptides, recombinant viruses (e.g., vesicular stomatitis viruses (VSVs)) containing CDV H polypeptides and/or CDV F polypeptides, nucleic acid molecules encoding a CDV H polypeptide and/or CDV F polypeptide, methods for making recombinant viruses (e.g., VSVs) containing CDV H polypeptides and/or CDV F polypeptides, and methods for using recombinant viruses (e.g., VSVs) containing CDV H polypeptides and/or CDV F polypeptides to treat cancer or infectious diseases are provided.

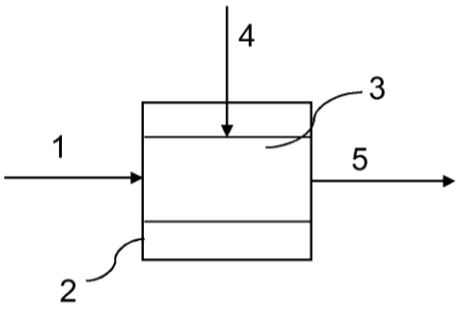


21: 2022/04807. 22: 2022/04/29. 43: 2025/09/04
51: A61K
71: QURIENT CO., LTD.
72: NAM, Kiyean, KIM, Jaeseung, JUNG, Chunwon, LEE, Saeyeon
33: US 31: 62/951,393 32: 2019-12-20
54: A PHARMACEUTICAL ORAL DOSAGE FORM OF Q203
00: -
The present invention relates to new pharmaceutical dosage forms of 6-chloro-2-ethyl-N-(4-(4-(4-(trifluoromethoxy)phenyl)piperidine-1-yl)benzyl)imidazo[1,2-a]pyridine-3-carboxamide, in particular of its ditosylate form.

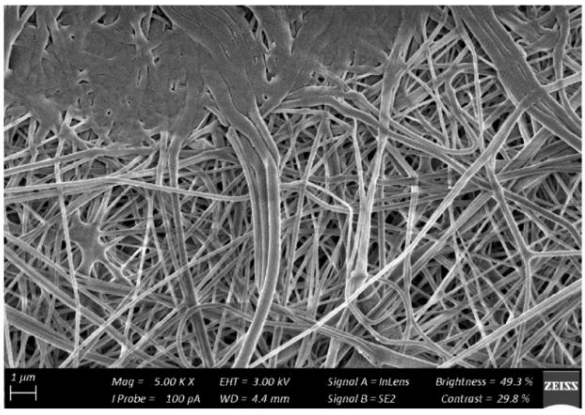
21: 2022/04954. 22: 2022/05/05. 43: 2025/08/13
51: A61K
71: Neuren Pharmaceuticals Limited
72: COGRAM, Patricia, PILCHER, Jonathan, GLASS, Lawrence Irwin
33: US 31: 62/924,452 32: 2019-10-22
54: BICYCLIC COMPOUNDS AND METHODS FOR THEIR USE IN TREATING PITT HOPKINS SYNDROME
00: -
Embodiments of this invention provide compounds, compositions, methods, and uses for therapeutic diketopiperazines, including cyclic G-2-Allyl Proline and other cyclic Glycyl Proline compounds to treat Pitt Hopkins Syndrome and symptoms thereof, as well as manufacture of compositions, medicaments including tablets, capsules, liquid formulations, gels, injectable solutions, and other formulations that are useful for treatment of such conditions.



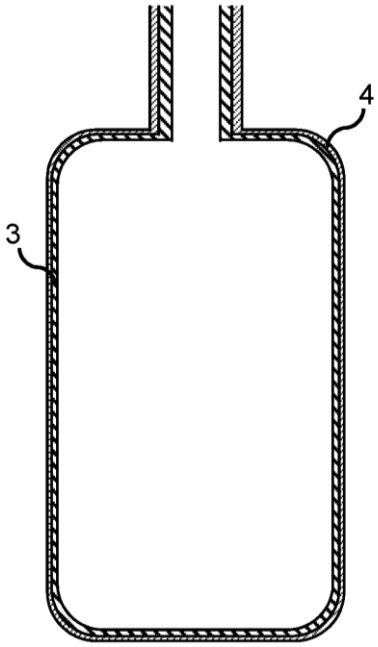
21: 2022/04985. 22: 2022/05/06. 43: 2025/08/13
51: C01B C10K
71: TEKNOLOGIAN TUTKIMUSKESKUS VTT OY
72: HILTUNEN, Ilkka, KURKELA, Esa
33: FI 31: 20195859 32: 2019-10-08
54: METHOD AND APPARATUS FOR REMOVING IMPURITIES FROM GASIFICATION GAS AND USE
00: -
The invention relates to a method and an apparatus for removing impurities from a gasification gas, wherein the gasification gas (1) which comprises at least tars and/or undesired hydrocarbons is supplied to a catalytic reformer (2) which comprises at least one catalyst bed, oxygen containing gas (4) is injected onto the surface of the catalyst bed, the gasification gas (1) is arranged to flow through the catalyst bed (3) and arranged to contact with the oxygen containing gas (4) in the catalyst bed, and a purified gas (5) is discharged from the catalytic reformer (2). Further, the invention relates to the use of the method.



21: 2022/05089. 22: 2022/05/09. 43: 2025/08/13
51: A45D; A61K; B32B; D01D; D04H; D06M; A61Q
71: THE STELLENBOSCH NANOFIBER COMPANY (PTY) LTD
72: SMIT, Anton Eugene, KRIEL, Haydn, COATES, Megan Patricia, STONE, Justin
54: METHOD OF PREPARING A COSMETIC COMPONENT
00: -
A method for preparing a cosmetic component is provided which includes applying a layer of a dry cosmetic ingredient between a pair of fibrous sheets obtained by electrospinning one or more polymeric materials at least one of which is capable of cold flow under pressure. Sufficient pressure is then applied to the layers of fibrous sheets to cause cold flow of at least some of the polymeric material such that at least parts of the fibrous sheets bond with each other and entrap the cosmetic ingredient in position between them and prevent it from migrating between the sheets during further processing or handling.



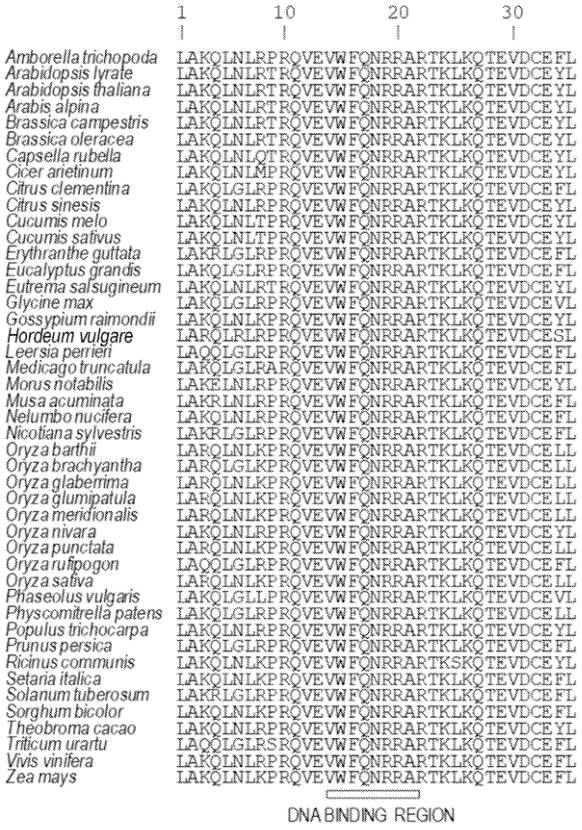
21: 2022/05428. 22: 2022/05/17. 43: 2025/09/10
51: B29B; B29C; B29K; B29L; B32B; B65D; B67D; C08J
71: HEINEKEN SUPPLY CHAIN B.V.
72: BAX, Bart Jan, HEYBERGER, Regis, SCHELTJENS, Gill, BOREK-DONTEN, Joanna
33: NL 31: 2024298 32: 2019-11-22
54: CONTAINER WITH A COATING LAYER
00: -
Container (1) with a coating layer. The invention is in the field of containers for foods and drinks. There is provided a method for applying a coating layer (2, 4) on a preform (1, 2) for a container (1) using plasma deposition. There is also provided a preform (1, 2) for a container (1), as well as a container (1) obtainable by stretching of the preform (1, 2).



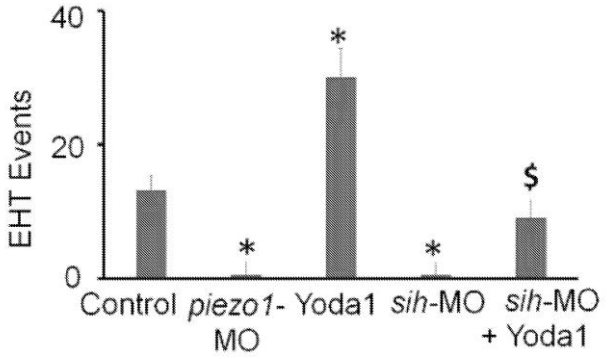
21: 2022/06165. 22: 2022/06/02. 43: 2025/08/13
51: C01G B01J
71: X ENERGY, LLC
72: BROWN, Daniel, LINNEEN, Nicholas
33: US 31: 62/930,172 32: 2019-11-04
54: PREPARATION OF ACID-DEFICIENT URANYL NITRATE SOLUTIONS
00: -
A solution of acid deficient uranyl nitrate has a formula of UO2(OH)y(NO3)2-y, where y ranges from 0.1 to 0.5. The solution is prepared by placing UxOz in aqueous nitric acid to produce a uranium solution, wherein x is 1 to 3 and z is 2 to 8; placing the uranium solution under a pressure greater than atmospheric pressure in a sealed reaction chamber; and heating the uranium solution to a desired temperature of between 150°C and 250°C by applying microwave energy to the uranium solution. The uranium solution is maintained at the desired temperature under a pressure of from 5 atmospheres to 40 atmospheres for a hold time of 15 minutes to 6 hours to produce the desired acid deficient uranyl nitrate.

21: 2022/06283. 22: 2022/06/06. 43: 2025/09/12
51: C07K; C12N

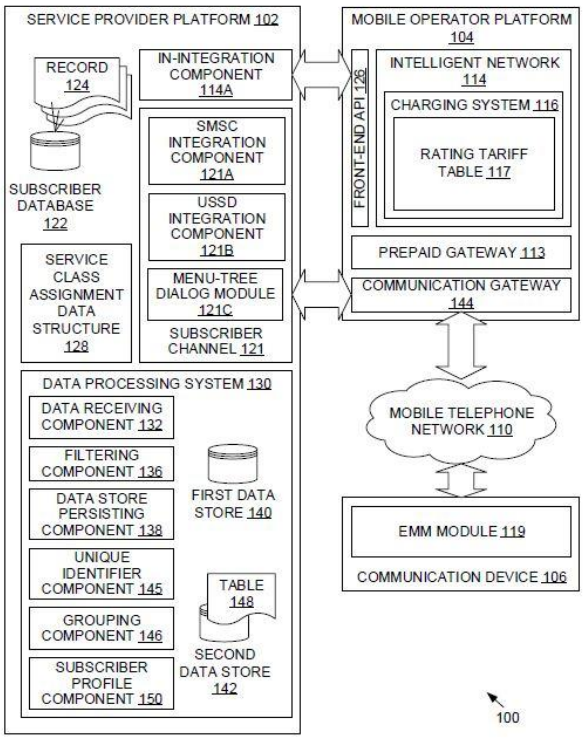
71: PAIRWISE PLANTS SERVICES, INC.
72: BATE, Nicholas, KIM, Yongjoo, GRAHAM, Nathaniel, MOJICA, Julius
33: US 31: 62/968,596 32: 2020-01-31
54: SUPPRESSION OF SHADE AVOIDANCE RESPONSE IN PLANTS
00: -
This invention relates to compositions and methods for modifying Homeodomain- leucine zipper (HD-Zip) transcription factors in plants to suppress shade avoidance response in plants. The invention further relates to plants produced using the methods and compositions of the invention.



21: 2022/06307. 22: 2022/06/07. 43: 2025/01/10
51: A61K; C07K; C12N
71: THE BRIGHAM AND WOMEN'S HOSPITAL, INC.
72: SHAH, Dhvanit I., SCAPIN, Giorgia
33: US 31: 62/945,838 32: 2019-12-09
54: METHODS FOR GENERATING HEMATOPOIETIC STEM CELLS
00: -
In the various aspects and embodiments, this disclosure provides genetic, pharmacological, and mechanical stimuli for transitioning endothelial cells to hemogenic endothelial (HE) cells, and for transitioning HE cells to HSCs, including HSCs that comprise a significant level of LT-HSCs. The disclosure further provides methods for expanding HSCs using the genetic, pharmacological, and mechanical stimuli.



21: 2022/06372. 22: 2022/06/08. 43: 2025/09/10
51: H04M; H04W
71: CHANNEL TECHNOLOGIES FZE
72: LELIS, Stelios, CHATZISTAMATIOU, Antonios
33: ZA 31: 2020/05064 32: 2020-08-17
54: SYSTEM AND METHOD FOR NETWORK USAGE PRODUCT PROVISIONING
00: -
A system and method for network usage product provisioning are described. The method includes retrieving data points associated with a prepaid mobile subscriber including a subscriber profile having been output by a data processing system retrieving and processing features relating to the prepaid mobile subscriber from one or more data stores. One of the data stores includes a category of transactional records associated with the prepaid mobile subscriber. The method includes determining subscriber eligibility for a network usage product based on the data points. The method includes, if the prepaid mobile subscriber is eligible for the network usage product, interacting with an intelligent network of a mobile telephone network to provision the network usage product to an account associated with the prepaid mobile subscriber.

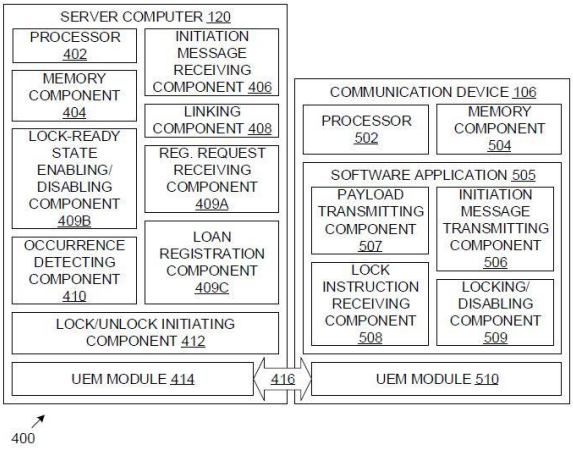


21: 2022/06373. 22: 2022/06/08. 43: 2025/09/10
51: H04L; G06Q
71: CHANNEL TECHNOLOGIES FZE
72: CHATZISTAMATIOU, Antonios
33: ZA 31: 2020/05065 32: 2020-08-17

54: SYSTEM AND METHOD FOR REMOTE PROVISION, DISBURSEMENT AND COLLECTION OF SECURED LOANS

00: -

A system and method for remote provision, disbursement and collection of secured loans are provided. A method includes receiving a loan registration request including a consumer identifier associated with a consumer record and with a communication device identifier which uniquely identifies a communication device. The method includes interacting with a software module executing on the communication device to enable a lock-ready state in which predefined functionality of the communication device can be disabled remotely by initiating a lock action and receiving confirmation of the lock-ready state being enabled. The loan is registered against the consumer record. Occurrence of a first condition or a second condition associated with the loan registered against the consumer record is detected. In response to detecting the occurrence of the second condition, a lock action is initiated to disable the predefined functionality of the communication device.

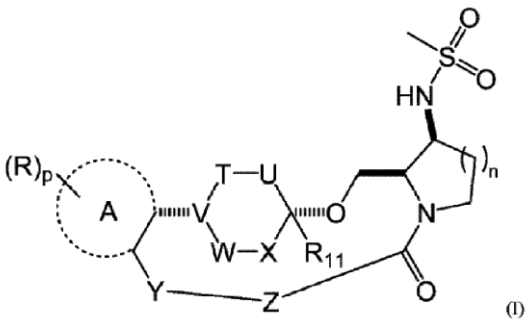


21: 2022/06482. 22: 2022/06/10. 43: 2025/09/10
51: A61K; C07D; A61P
71: ALKERMES, INC.
72: PENNINGTON, Lewis D., CHOI, Younggi, HUYNH, Hoan, AQUILA, Brian M., MUGGE, Ingo, HU, Yuan, WOODS, James R., VALIULIN, Roman A., RAYMER, Brian Kenneth, BENTZIEN, Jorg Martin, HALE, Michael R., LEHMANN, Jonathan Ward, MATHARU, Daljit, KARRA, Srinivasa
33: US 31: 62/939,825 32: 2019-11-25
33: US 31: 63/030,979 32: 2020-05-28

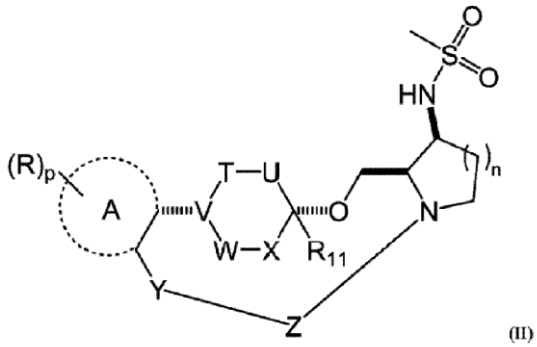
54: SUBSTITUTED MACROCYCLIC COMPOUNDS AND RELATED METHODS OF TREATMENT

00: -

The present invention provides compounds (I) and (II) useful for the treatment of narcolepsy or cataplexy in a subject in need thereof. Related pharmaceutical compositions and methods are also provided herein.



(I)



(II)

21: 2022/07333. 22: 2022/07/01. 43: 2025/08/13
51: H04L
71: ZTE CORPORATION
72: WU, HAO, JIANG, CHUANGXIN, GAO, BO, ZHANG, SHUJUAN, WANG, YUXIN, LU, ZHAOHUA, LI, YU NGOK
54: A METHOD AND SYSTEM FOR IMPROVED SOUNDING REFERENCE SIGNAL (SRS) OVERHEAD AND FLEXIBLE REUSE SCHEME
00: -
Methods and systems for transmitting one or more sounding reference signal (SRS) resource sets for one or more usages are disclosed herein. In one embodiment, a method performed by a user equipment includes: receiving one or more configuration parameters from a wireless network node; determining, based on the one or more configuration parameters, one or more usages for a plurality of SRS resources within the one or more SRS resource sets; and transmitting an SRS using the plurality of SRS resources configured for the one or more usages.

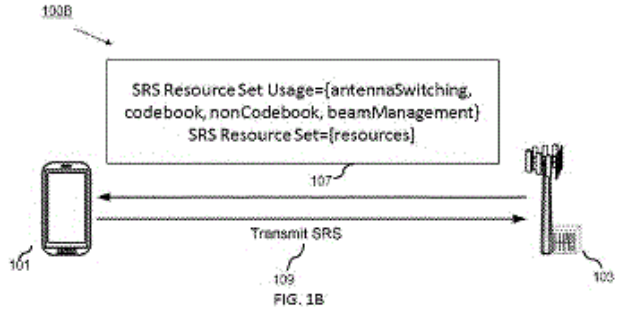
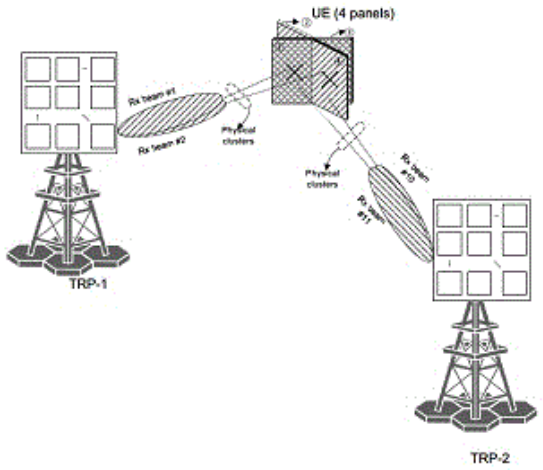


FIG. 1B

21: 2022/07601. 22: 2022/07/08. 43: 2025/08/13
51: A61K; G01N; A61B; A61P
71: ANACARDIO R&D AB
72: LUND, LARS H
33: GB 31: 1918853.1 32: 2019-12-19
54: TREATMENT OF ACUTE HEART FAILURE
00: -
The invention provides a ghrelin molecule for use in the treatment and/or prophylaxis of Acute Heart Failure (AHF) in an individual, as well as corresponding methods and uses. The invention further provides associated compositions and kits of parts, for use in the treatment and/or prophylaxis of AHF in an individual.

21: 2022/07604. 22: 2022/07/08. 43: 2025/08/13
51: H04W
71: ZTE CORPORATION
72: GAO, BO, LU, ZHAOHUA, YAO, KE, ZHANG, YANG, HE, ZHEN, YAN, WENJUN
54: SIMULTANEOUS DOWNLINK TRANSMISSION AND UPLINK PANEL SWITCHING
00: -
In one aspect, a method of wireless communications is disclosed. The method includes receiving, by a wireless device from a network device, one or more reference signals. The method further includes transmitting, by the wireless device, a report, wherein the report includes at least one of a first reference signal, a channel quality, an uplink transmission parameter, a first group information, a carrier component, or a control resource set pool.



21: 2022/07796. 22: 2022/07/13. 43: 2025/08/26
51: H04W H01Q
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: THYNI, Tomas, FORSMAN, Mats
54: METHODS OF OBTAINING RADIO ACCESS NODE INSTALLATION DATA AND RELATED USER EQUIPMENT DEVICES, RADIO NODES, AND MANAGEMENT NODES
00: -
A method of operating a User Equipment (UE) device may be provided. Installation data relating to an antenna of a radio access network (RAN) node may be obtained, wherein the installation data includes physical installation data including at least one of a height of the antenna, a direction of the antenna, and/or a tilt of the antenna. The installation data may be transmitted from the UE device to a management system for a wireless communication network including the RAN node. Related radio nodes and management nodes are also discussed.

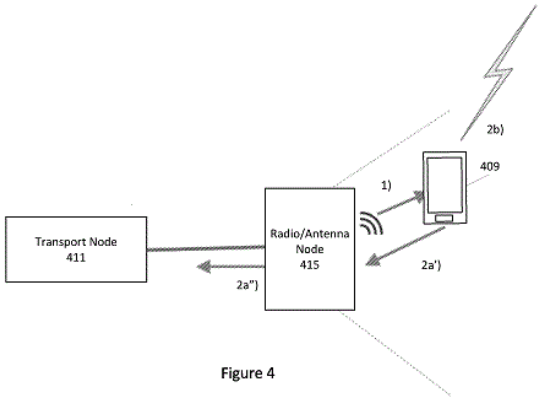


Figure 4

21: 2022/07805. 22: 2022/07/13. 43: 2025/08/13
51: C01B; C25B
71: TOPSOE A/S
72: TJÄRNEHOV, EMIL ANDREAS, HAN, PAT A
33: DK 31: PA 2020 00259 32: 2020-02-28
54: METHOD FOR THE PREPARATION OF SYNTHESIS GAS
00: -
Method for the preparation of synthesis gas combining electrolysis of water, tubular steam reforming and autothermal reforming of a hydrocarbon feed stock in parallel.

21: 2022/07944. 22: 2022/07/18. 43: 2025/10/03
51: H01F; H01R
71: PHILLIPS GLOBAL (PTY) LTD
72: PIENAAR, Abel, Albertus
33: ZA 31: 2021/02504 32: 2021-04-16
54: TAPPING ARRANGEMENT FOR A TRANSFORMER
00: -
The invention relates to a tapping arrangement 10, 10A for a transformer, comprising a terminal body 12, a plurality of circuit conductors 16 mounted on the terminal body 12, a plurality of high-voltage tap conductors 19 mounted on the terminal body 12, a plurality of low-voltage tap conductors 22 mounted on the terminal body 22, and a selecting arrangement 34 for operatively engaging and electrically coupling the circuit conductors 16 to either their corresponding high-voltage or low-voltage tap conductors 19, 22.

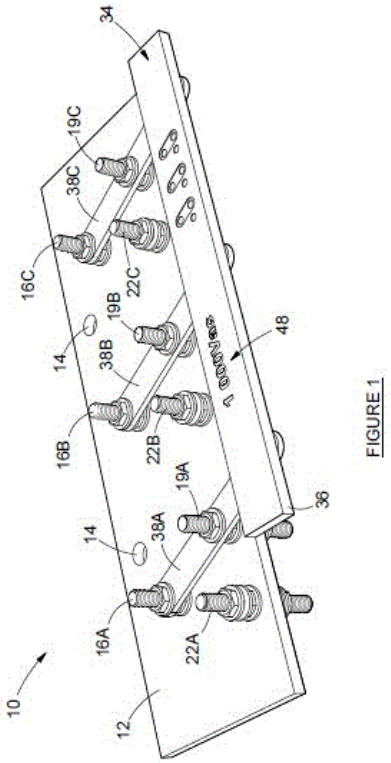


FIGURE 1

21: 2022/08172. 22: 2022/07/21. 43: 2025/08/13
51: C01B; B01D
71: TOPSOE A/S
72: DAHL, PER JUUL, SHARMA, NITIN
33: IN 31: 202011055200 32: 2020-12-18
33: DK 31: PA 2020 00270 32: 2020-03-03
54: PROCESS FOR THE PRODUCTION OF SYNTHESIS GAS
00: -
A process for producing synthesis gas, the process comprising the steps of a) reforming a hydrocarbon feed in a reforming section thereby obtaining a synthesis gas comprising CH4, CO, CO2, H2 and H2O and impurities comprising ammonia;b) shifting the synthesis gas in a shift section comprising one or more shift steps in series to a shifted synthesis gas; c) separating from the shifted synthesis gas a process condensate originating from cooling and optionally washing of the shifted synthesis gas;d) passing the process condensate to a condensate steam stripper, wherein dissolved shift byproducts comprising ammonia, methanol and amines formed during shifting the synthesis gas are stripped out of the process condensate using steam resulting in a stripper steam stream, e) adding a part of the stripper steam stream from the process condensate steam strip-per to the hydrocarbon feed and/or to the synthesis gas downstream the reforming section, up-stream the last shift step, wherein the remaining part of stripper steam is purged.

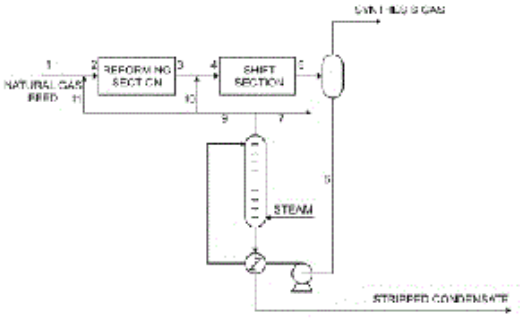


Fig. 1

21: 2022/08227. 22: 2022/07/22. 43: 2025/08/13
51: B01D
71: METSO FINLAND OY
72: MUSTAKANGAS, MIRVA, JUVONEN, ISMO, KAIPAINEN, JANNE, ELORANTA, TEEMU, ILLI, MIKA, VÄNTTINEN, KARI
54: A FILTER PLATE FRAME ASSEMBLY, A HORIZONTAL FILTER PRESS, SUCH AS A TOWER PRESS, HAVING SUCH A PLATE FRAME ASSEMBLY, AND A METHOD OF REPLACING WORN COMPONENTS OF HORIZONTAL FILTER PRESS
00: -
The disclosure is based on the idea of providing a filter plate frame assembly (1) with a filter plate frame (2) and a subframe (7) housed within the frame (2), such that the subframe (7) can be removed from the frame (2) without removing the frame (2) from the filter press. In this way, consumable components can be provided in connection with the subframe (7), which can be easily removed from the filter press. This, in turn, makes replacement of worn components faster, as the whole frame does not need to be removed from the filter press. The present disclosure further concerns an associated horizontal filter press and a method of replacing worn components of such a filter press.

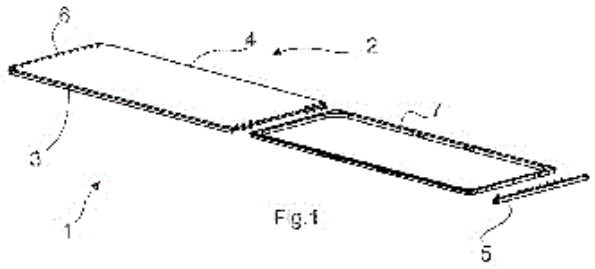


Fig.1

21: 2022/08230. 22: 2022/07/22. 43: 2025/08/13
51: B01D
71: METSO FINLAND OY
72: MUSTAKANGAS, MIRVA, JUVONEN, ISMO, KAIPAINEN, JANNE, ELORANTA, TEEMU, ILLI, MIKA, VÄNTTINEN, KARI
54: A FILTER PLATE FRAME ASSEMBLY AND A HORIZONTAL FILTER PRESS, SUCH AS A TOWER PRESS, HAVING SUCH A PLATE FRAME ASSEMBLY
00: -
The present disclosure concerns a filter plate frame assembly (1) and a horizontal filter press, in which accidental overpressurization of the filter diaphragm (5) is prevented. A filter plate frame assembly (1) having a separate subframe (4) is provided with a limited vertical travel with respect to the filter frame (2) and the filter plate (3), such that the 5 subframe (4) is allowed to drop away from the filter plate (2) when the filter chamber is opened. This enables a diaphragm (5) to be attached to the subframe (4) such that an escape route is formed for a pressurized medium accidentally introduced between the filter plate (3) and the diaphragm (5). Moreover, the limited travel of the subframe (4) allows the subframe (4) to be pressed towards the filter plate (3) when the filter chamber is closed, 10 thereby allowing normal operation of the diaphragm (5) for squeezing a filter cake.

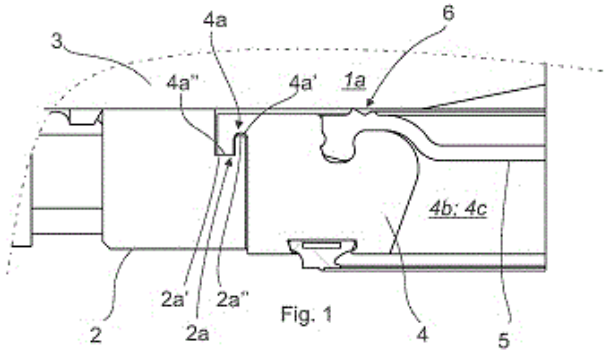
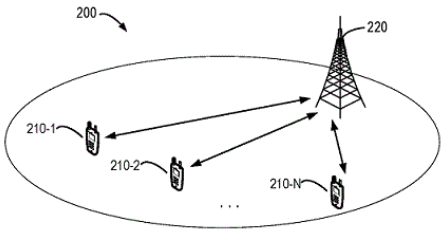


Fig. 1

21: 2022/09626. 22: 2022/08/29. 43: 2025/08/06
51: H04W
71: NOKIA TECHNOLOGIES OY
72: TURTINEN, Samuli, WU, Chunli, KOSKINEN, Jussi-Pekka, KAIKKONEN, Jorma, KOSKELA, Timo, DALSGAARD, Lars
54: UPLINK INFORMATION BASED ON WAKE-UP SIGNAL
00: -
Embodiments of the present disclosure relate to uplink control information for uplink information based on wake-up signals. According to embodiments of the present disclosure, the terminal device determines based on transmission information at a first time point whether a predetermined number of the one or more occasions overlaps with active time of the terminal device. The terminal device determines the configuration for transmitting the uplink information based on the determination. In this way, ambiguity has been reduced and the flexibility of the network is improved.



21: 2022/13854. 22: 2022/12/21. 43: 2025/10/16
51: C10L
71: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.
72: BALTHASAR, Felix, Johannes, STRUNK, Jens, HEMBERGER, Yasmin, Verena
33: EP 31: 20186637.3 32: 2020-07-20
54: FUEL COMPOSITION
00: -
A gasoline fuel composition for a spark ignition internal combustion engine comprising (a) gasoline blending components, (b) renewable naphtha at a level of 10 to 30% v/v and (c) oxygenated hydrocarbon at a level of 20% v/v or less, wherein the gasoline blending components comprise (a) 0-30 % v/v alkylate, (b) from 0 to 15% v/v isomerate; (c) 0 to 20% v/v catalytic cracked tops naphtha; and (d) 20% to 40 % v/v of heavy reformate, wherein the total amount of alkylate, isomerate, catalytic cracked

tops naphtha and heavy reformate is at least 50% v/v based on the total fuel composition, and wherein the gasoline fuel composition meets the EN228 specification. While the low octane number of renewable naphtha would normally severely restrict its blendability in gasoline to low levels, it has now been found that renewable naphtha can be included in, for example, ethanol-containing gasoline fuel compositions, in surprisingly and significantly high blend ratios of renewable naphtha to ethanol.

21: 2023/03593. 22: 2023/03/15. 43: 2025/08/20
51: A61K; C07K
71: EAGLE BIOLOGICS, INC.
72: LARSON, ALYSSA M, LOVE, KEVIN, WEIGHT, ALISHA K, CRANE, ALAN, LANGER, ROBERT S, KLIBANOV, ALEXANDER M
33: US 31: 61/943,197 32: 2014-02-21
33: US 31: 61/988,005 32: 2014-05-02
33: US 31: 61/940,227 32: 2014-02-14
33: US 31: 62/030,521 32: 2014-07-29
33: US 31: 61/876,621 32: 2013-09-11
33: US 31: 61/946,436 32: 2014-02-28
33: US 31: 62/008,050 32: 2014-06-05
33: US 31: 62/026,497 32: 2014-07-18
54: LIQUID PROTEIN FORMULATIONS CONTAINING VISCOSITY-LOWERING AGENTS
00: -
Concentrated, low- viscosity, low- volume liquid pharmaceutical formulations of proteins have been developed. Such formulations can be rapidly and conveniently administered by subcutaneous or intramuscular injection, rather than by lengthy intravenous infusion. These formulations include lowmolecular-weight and/or high molecular-weight proteins, such as mAbs, and viscosity-lowering agents that are typically bulky polar organic compounds, such as many of the GRAS (US Food and Drug Administration List of compounds generally regarded as safe) and inactive injectable ingredients and FDA approved therapeutics.

21: 2023/03754. 22: 2023/03/22. 43: 2025/08/18
51: C03C
71: CDGM GLASS CO., LTD
72: YUAN, Baoping, YU, Tianlai, LI, Sai, JIANG, Tao, CHEN, Xuemei, SU, Yong, NIE, Xiaobing, LIU, Zhenyu
33: CN 31: 202011645700.8 32: 2020-12-31
54: MICROCRYSTALLINE GLASS, MICROCRYSTALLINE GLASS PRODUCT AND MANUFACTURING METHOD THEREFOR
00: -
Provided is a microcrystalline glass product. The components of the microcrystalline glass product include, in percentages by weight, 45-70% of SiO2, 8-18% of Al2O3, 10-25% of Li2O, 5-15% of ZrO2, 2-10% of P2O5, and more than 0 but less than or equal to 8% of Y2O 3. By means of a rational component design, the microcrystalline glass and microcrystalline glass product obtained by the present invention have excellent mechanical properties and optical properties, and are suitable for electronic devices or display devices.

21: 2023/04012. 22: 2023/03/30. 43: 2025/08/11
51: A01N; A61L; C09D
71: STELLENBOSCH UNIVERSITY
72: KHAN, Wesaal, NDLOVU, Thando, CLEMENTS, Tanya Lee, MUTTA, Nusrat Begum
33: ZA 31: 2020/05912 32: 2020-09-25
54: COATING OF MATERIALS WITH BIOSURFACTANT COMPOUNDS
00: -
The invention provides a coating method for coating a surface of a substrate material with a biosurfactant. The method includes the following steps: modifying the biosurfactant to promote its reactivity with a silane linker; oxidising the surface of the substrate material; functionalising the surface of the substrate material with a silane linker; and reacting the modified biosurfactant with the functionalised surface. The biosurfactant becomes covalently bonded to the surface of the substrate material. The substrate material may be a polymer such as high-density polyethylene or polyvinyl chloride, or a ferrous metal such as stainless steel. The biosurfactant may be produced by one or more bacterial strains selected from the group consisting of Pseudomonas aeruginosa, Bacillus amyloliquefaciens and Serratia marcescens. The invention also provides articles of manufacture which include substrate materials that are at least partially coated with biosurfactants. The substrate materials and biosurfactants may be as described above.

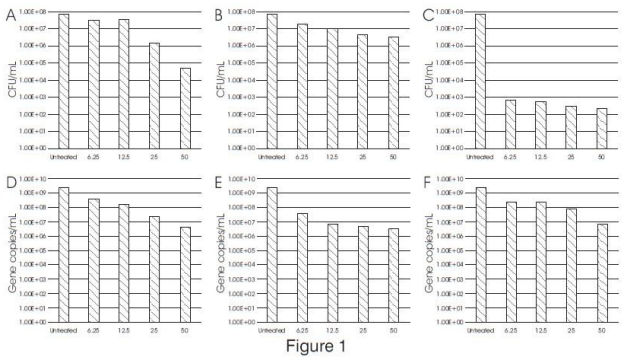
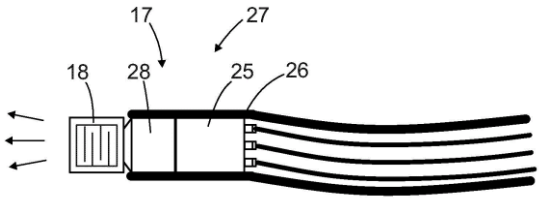
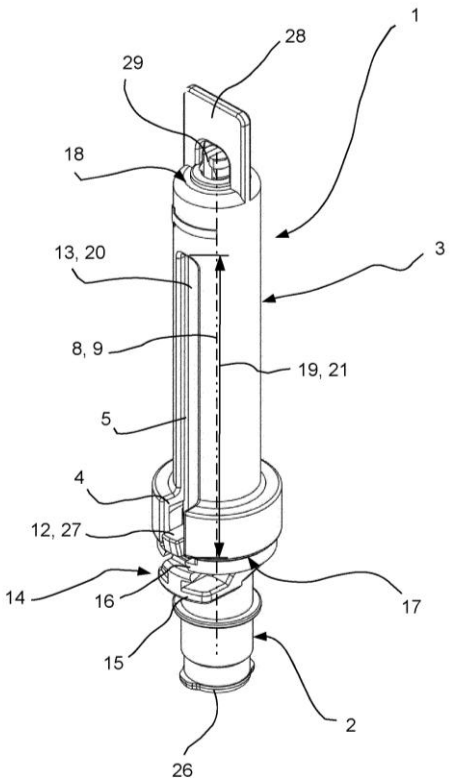


Figure 1

21: 2023/04024. 22: 2023/03/30. 43: 2025/07/29
51: E21D
71: Sandvik Mining and Construction Oy
72: RUOTSALAINEN, Pasi
33: EP(FI) 31: 20204134.9 32: 2020-10-27
54: APPARATUS FOR RESIN INJECTION, MINING MACHINE AND METHOD
00: -
An apparatus for injecting grouting mate-rial, mining machine and method of injecting grouting resin into several drilled holes. The apparatus (27) comprises an injector head (17) provided with a mixing device (18) which are both insertable into a drilled hole (7) by means of a flexible feed hose (26). The injector head comprises a valve assembly (25) mounted inside a distal end portion of the feed hose.

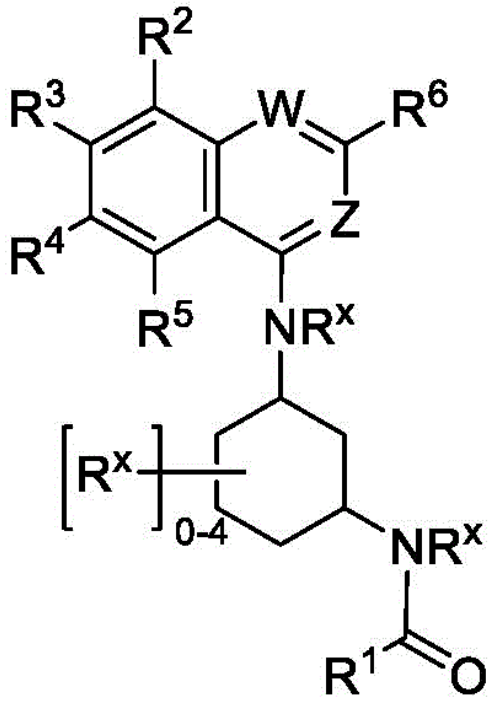


21: 2023/04307. 22: 2023/04/11. 43: 2025/09/10
51: A61M
71: FISCHER, Stephan, WILKE, Tobias, MOHR, Bernd
72: FISCHER, Stephan, WILKE, Tobias, MOHR, Bernd
33: DE 31: 10 2020 126 258.2 32: 2020-10-07
54: SAFETY COVER FOR COUPLING WITH AN INJECTION DEVICE
00: -
The present application relates to a safety cover (1) for coupling with an injection device, comprising a base (2), a cover (3) having an outer housing (4) and an inner housing (5), and a hinge element (6), wherein: the outer housing (4) is coupled to the inner housing (5) in a coaxial arrangement; the inner housing (5) is connected to the base (2) by means of the hinge element (6) such that the cover (3) can be pivoted from an initial position to a treatment position; the outer housing (4) can be rotated relative to the inner housing (5); the outer housing (4) has at least one recess (11) and the base (2) has at least one locking means (12) corresponding to the recess (11); the locking means (12) engages in the recess (11) in an interlocking manner when the outer housing (4) is in a locking position rotated with respect to the inner housing (5) and in this manner blocks the outer housing (4) relative to the inner housing (5). In order to provide a safety cover which is protected against incorrect operation in conjunction with an injection device having a screw connection, the invention proposes that the base (2) comprises at least one locking means (12) by means of which the base (2) engages in an interlocking manner with the outer housing (4) when the outer housing (4) is in an initial position, wherein the cover (3) can be moved to an end position in which the engagement of the locking means (12) with the outer housing (4) is relinquished and in this manner the rotation of the outer housing (4) relative to the inner housing (5) is released.



21: 2023/04729. 22: 2023/04/24. 43: 2025/07/29
51: A61K; A61P; C07D
71: Escient Pharmaceuticals, Inc.
72: LANIER, Marion, BOEHM, Marcus, HUANG, Liming, MARTINBOROUGH, Esther, SAINZ, Marcos, SELFRIDGE, Brandon, YEAGER, Adam
33: US 31: 63/083,638 32: 2020-09-25
54: MODULATORS OF MAS-RELATED G-PROTEIN RECEPTOR X2 AND RELATED PRODUCTS AND METHODS
00: -

Methods are provided for modulating MRGPR X2 generally, or for treating a MRGPR X2 or a MRGPR X2 ortholog dependent condition, more specifically, by contacting the MRGPR X2 or the MRGPR X2 ortholog by administering to a subject in need thereof, respectively, an effective amount of a compound having structure (I): (I) or a pharmaceutically acceptable salt, isomer, hydrate, solvate or isotope thereof, wherein W, Z, R^1, R^2, R^3, R^4, R^5, R^6 and R^x are as defined herein. Pharmaceutical compositions containing such compounds, as well as the compounds themselves, are also provided.



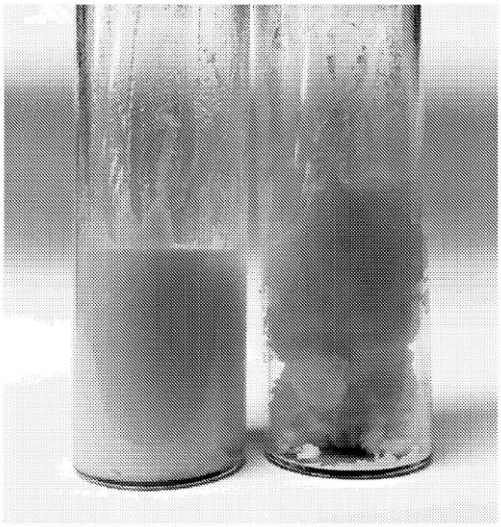
(I)

21: 2023/04787. 22: 2023/04/25. 43: 2025/09/29
51: A61P
71: NOVARTIS AG
72: BIGELOW, Chad Eric, CARRION, Ana Maria, CHASTAIN, James Edgar, CLARK, Kirk Lee, ETEMAD-GILBERTSON, Bijan Alexandre, GHOSH, Joy Gispati, HANKS, Shawn Michael, HAUBST, Nicole, IYER, Ganesh Rajan, MOKER, Nina, NGUYEN, Andrew Anh, POOR, Stephen Hendrick, QIU, Yubin, RANGASWAMY, Nalini Velamur, STEFANIDAKIS, Michael, TOKSOZ, Engin, TWAROG, Michael Zbigniew
33: US 31: 63/052,789 32: 2020-07-16
33: US 31: 63/156,709 32: 2021-03-04
54: ANTI-BETACELLULIN ANTIBODIES, FRAGMENTS THEREOF, AND MULTI-SPECIFIC BINDING MOLECULES
00: -

The present disclosure provides anti-BTC antibodies, methods of producing said antibodies, pharmaceutical compositions comprising said antibodies, and methods of using said antibodies. The present disclosure also provides multi-specific binding molecules, e.g., bispecific antibodies, comprising a BTC binding moiety and an anti-VEGF binding moiety.

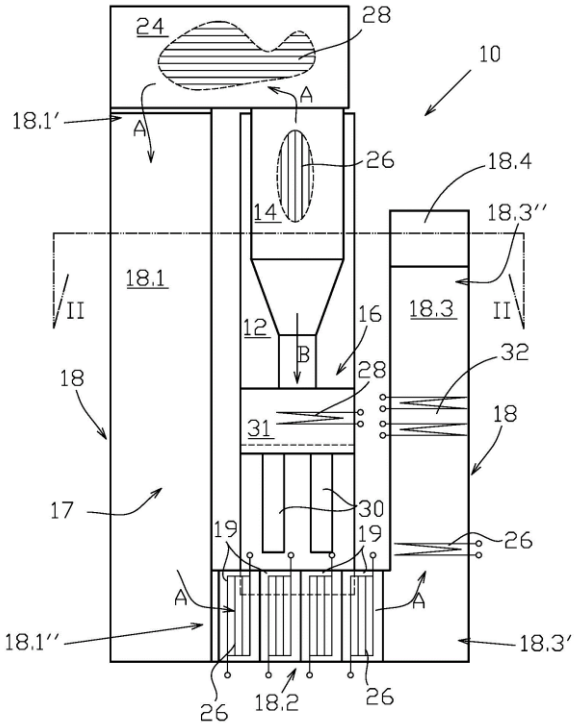
21: 2023/04831. 22: 2023/04/26. 43: 2025/07/30
51: A01N
71: UPL do Brasil Industria e Comercio de Insumos Agropecuarios S.A., UPL Corporation Limited
72: LENZ, Giuvan, SILVA, Ferdinando Marcos Lima
33: BR 31: 102020019868-8 32: 2020-09-28
54: COMBINATIONS OF TRIAZOLONE HERBICIDES WITH SAFENERS
00: -
The present invention relates to a combination for the selective control of weeds. More particularly, the present invention relates to a combination of one or more triazolone herbicides with one or more safeners for the selective control of weeds.

21: 2023/04869. 22: 2023/04/28. 43: 2025/07/30
51: A61K; A61Q
71: Colgate-Palmolive Company
72: CHEN, Xiang, CHOPRA, Suman, FEI, Lin
33: US 31: 63/110,586 32: 2020-11-06
54: ORAL CARE WHITENING COMPOSITIONS
00: -
Disclosed herein are oral care compositions comprising a peroxide whitening complex in an amount to provide from 3.5% to 7% of hydrogen peroxide by weight of the composition, and a block copolymer of ethylene oxide and propylene oxide in an amount of from 40% to 60% by weight of the composition. Methods of making and using the dentifrices are also provided.



21: 2023/04940. 22: 2023/05/03. 43: 2025/08/18
51: C12Q; G01N
71: ILLUMINA CAMBRIDGE LIMITED, ILLUMINA, INC.
72: ARTIOLI, GIANLUCA ANDREA, LESSARD-VIGER, MATHIEU, MATHER, BRIAN D, VON HATTEN, XAVIER
33: US 31: 63/114,309 32: 2020-11-16
54: FUNCTIONALIZED PLASMONIC NANOSTRUCTURES
00: -
An example of a functionalized plasmonic nanostructure includes a plasmonic nanostructure core; a polymeric hydrogel attached to the plasmonic nanostructure core, the polymeric hydrogel having a thickness ranging from about 10 nm to about 200 nm; and a plurality of primers attached to side chains or arms of the polymeric hydrogel, wherein at least some of the plurality of primers are attached to the polymeric hydrogel at different distances from the plasmonic nanostructure core.

21: 2023/04945. 22: 2023/05/03. 43: 2025/08/13
51: F23C
71: Sumitomo SHI FW Energia Oy
72: SLUSZNIAK, Slawomir, GLOWICKI, Roger, WYKA, Krzysztof, SOLIPIWKO, Slawomir, FERDYN, Bartlomiej
33: FI 31: 20206271 32: 2020-12-09
54: A CIRCULATING FLUIDIZED BED BOILER
00: -
Invention relates to a circulating fluidized bed boiler (10) comprising a vertically extending furnace (12), a separator unit (14) and an exhaust gas channel (18) connected to the separator unit (14) via a cross over duct (24), which exhaust gas channel comprises a first vertically extending pass (18.1) and a horizontally extending pass (18.2) and a second vertically extending pass (18.3).The first vertically extending pass (18.1) and the horizontally extending pass (18.2) and the second vertically extending pass (18.3) are arranged successively in the gas flow direction such that the horizontally extending pass (18.2) is configured to connect the first vertically extending pass (18.1) and the second vertically extending pass (18.3) with each other, and the horizontally extending pass (18.2) is arranged below the separator unit (14) which arranged between the first vertically extending pass (18.1) and the second vertically extending pass (18.3).

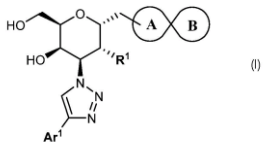


21: 2023/04962. 22: 2023/05/04. 43: 2025/08/13
51: C07K
71: AFFIMED GMBH
72: ROSS, Thorsten, KOCH, Joachim, TESAR, Michael, DULAT, Holger, BREUNIG, Christian, PETERS, Eike, ELLWANGER, Kristina, FUCEK, Ivica, REUSCH, Uwe, PAHL, Jens
33: EP 31: 20200845.4 32: 2020-10-08
54: TRISPECIFIC BINDERS
00: -
The present invention relates to a trispecific antibody construct comprising (i.) a first binding domain (A), which is capable of specifically binding to a first target (A') that is CD16A on the surface of an immune effector cell; (ii.) a second binding domain (B), which is capable of specifically binding to a second target (B') that is another antigen on the surface of an immune effector cell, wherein said antigen is selected from the group comprising CD56, NKG2A, NKG2D, NKp30, NKp44, NKp46, NKp80, DNAM-1, SLAMF7, OX40, CD47/SIRPα, CD89, CD96, CD137, CD160, TIGIT, nectin-4, PD-1, PD-L1, LAG-3, CTLA- 4,TIM-3, KIR2DL1-5, KIR3DL1-3, KIR2DS1-5 and CD3; and (iii.) a third binding domain (C), which is capable of specifically binding to a third target (C') that is an antigen on the surface of a target cell. The present invention also relates to related nucleic acid molecules, vectors, host cells, methods of producing the antibody constructs, pharmaceutical compositions, medical uses, and kits.

21: 2023/04968. 22: 2023/05/04. 43: 2025/08/13
51: C08F; C08K; C08L
71: Inovyn Europe Limited
72: HERMANT, Thomas
33: EP(GB) 31: 20207585.9 32: 2020-11-13
54: PROCESS FOR THE PRODUCTION OF A VINYL CHLORIDE-(METH)ACRYLATE COPOLYMER AND COMPOSITION COMPRISING SUCH A COPOLYMER
00: -
The present invention relates to a process for the preparation of a co-polymer of vinyl chloride and a (meth)acrylate, and also to a composition comprising a copolymer of vinyl chloride and a (meth)acrylate having desirable properties. In particular, there is provided a process for the production of a vinyl chloride-(meth)acrylate copolymer, C, by reacting a vinyl chloride monomer, A, and an alkyl (meth)acrylate monomer, B, said process comprising: A) In a first step: i) Providing a first mixture comprising vinyl chloride monomer, A, and alkyl (meth)acrylate monomer, B, in an aqueous medium in a reactor, wherein: a. the amount of B is between 20 and 100% of the total amount of B, b. the amount of A is between 15 and 80% of the total amount of A, and c. the weight ratio of A:B is 25:75 to 75:25; ii) Polymerising said first mixture, said polymerisation taking place by: a. heating the reactor to a temperature, T1, b. adding an initiator to start polymerisation, And wherein: c. where the amount of B at the start of the polymerisation is less than 100% of the total amount of B, the rest of B is added to the reactor in this first step after initiation of the polymerisation, d. where the amount of A at the start of the polymerisation is less than 80% of the total amount of A, optionally further monomer A is added to the reactor in this first step after initiation of the polymerisation, but with the proviso that the amount of monomer A added in this first step remains less than 80% of the total amount of A, and e. polymerisation is continued until at least 50% of the total amount of monomer B has reacted; B) In a second step: i) Adding the rest of monomer A to form a second mixture, and polymerising the second mixture.

21: 2023/05016. 22: 2023/05/05. 43: 2025/08/13
51: A61K; A61P; C07D
71: Idorsia Pharmaceuticals Ltd
72: BOLLI, Martin, GATFIELD, John, GRISOSTOMI, Corinna, REMEN, Lubos, SAGER, Christoph, ZUMBRUNN, Cornelia
33: PCT/EP(CH) 31: 2020/077968 32: 2020-10-06
54: SPIRO DERIVATIVES OF ALPHA-D-GALACTOPYRANOSIDES
00: -

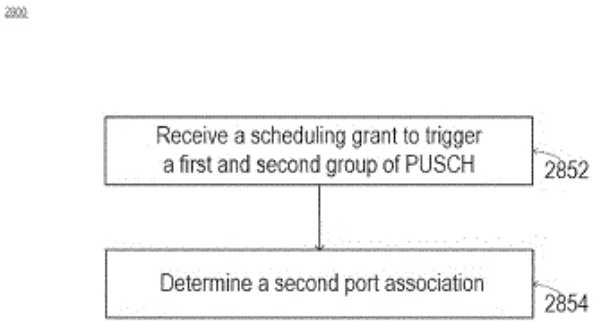
The present invention relates to compounds of Formula (I), wherein Ar^1, A, B, and R^1 are as described in the description, their preparation, to pharmaceutically acceptable salts thereof, and to their use as pharmaceuticals, to pharmaceutical compositions containing one or more compounds of Formula (I), and especially to their use as Galectin-3 inhibitors.



(I)

21: 2023/05382. 22: 2023/05/17. 43: 2025/08/20
51: H04L
71: ZTE CORPORATION
72: MEI, MENG, JIANG, CHUANGXIN, LU, ZHAOHUA, PAN, YU, ZHANG, YANG
54: SYSTEMS AND METHODS FOR INDICATION OF PHASE TRACKING REFERENCE SIGNAL-DEMODULATION REFERENCE SIGNAL ASSOCIATION
00: -

Presented are systems and methods for indicating phase tracking reference signal-demodulation reference signal (PTRS-DMRS) association. A wireless communication device may receive a scheduling grant to trigger a first group of physical uplink shared channel (PUSCH) transmission occasions and a second group of PUSCH transmission occasions from a wireless communication node. The scheduling information carried by the scheduling grant may at least include port association information of PTRS-DMRS. The port association information may comprise a first port association for the first group of PUSCH transmission occasions and a second port association for the second group of PUSCH transmission occasions. The second port association may be at least associated with a portion of the scheduling information which is at least for the first group of PUSCH transmission occasions.



21: 2023/05493. 22: 2023/05/22. 43: 2025/08/28
51: A24B; A24F; A61M; B05B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
33: EP 31: 20168231.7 32: 2020-04-06
33: EP 31: 20168938.7 32: 2020-04-09
33: IB 31: PCT/IB2019/060808 32: 2019-12-15
33: IB 31: PCT/IB2019/060810 32: 2019-12-15
33: IB 31: PCT/IB2019/060812 32: 2019-12-15
33: EP 31: 20168245.7 32: 2020-04-06
33: IB 31: PCT/IB2019/060811 32: 2019-12-15
54: MIST INHALER DEVICES
00: -

A driver device for a mist inhaler device. The device comprises a battery, an AC driver, an active power monitoring arrangement, a processor and memory. Instructions are stored in the memory which, when executed by the processor, causes the processor to (i) control the AC driver to output an AC drive signal to the ultrasonic transducer at a predetermined sweep frequency, (ii) calculate active power being used by the transducer, (iii) control the AC driver to modulate the AC drive signal to maximise the active power being used, (iv) store a record in the memory of the maximum active power used and the sweep frequency, and (v) repeat steps (i)-(iv) for a predetermined number of iterations with the sweep frequency incrementing with each iteration. The processor further identifies from the stored records the optimum frequency for the AC drive signal which is the sweep frequency of the AC drive signal at which a maximum active power is used by the ultrasonic transducer, and controlling the AC driver to output an AC drive signal to the ultrasonic

transducer at the optimum frequency to drive the ultrasonic transducer to atomise a liquid.

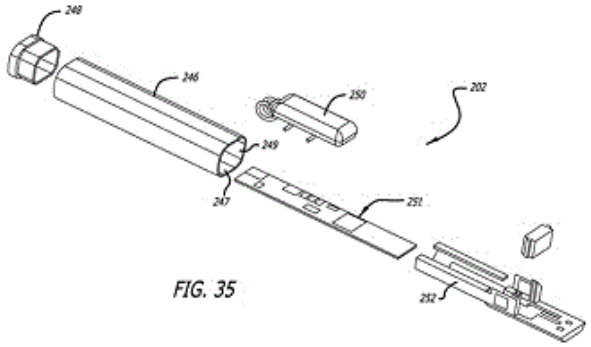
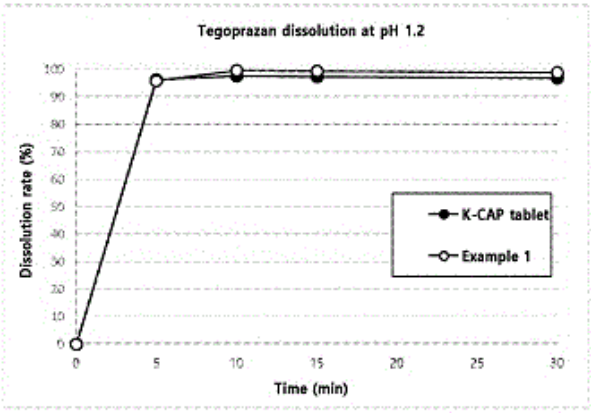


FIG. 35

21: 2023/05506. 22: 2023/05/22. 43: 2025/08/18
51: A61K; A61P
71: HK INNO.N CORPORATION
72: KIM, MIN JUNG, PARK, SUN YOUNG, LIM, DA SOM, JEON, EUN KYUNG, CHO, YOUNG DAE, CHO, TAE KEUN
33: KR 31: 10-2020-0138712 32: 2020-10-23
54: ORALLY DISINTEGRATING TABLET COMPRISING BENZIMIDAZOLE DERIVATIVE COMPOUND AND PREPARATION METHOD THEREOF
00: -
The present invention relates to an orally disintegrating tablet including a benzimidazole derivative compound and a preparation method thereof.



21: 2023/05608. 22: 2023/05/24. 43: 2025/08/28
51: G01N
71: CEPHEID
72: CHANG, RONALD, MONTGOMERY, STEVEN, MOTE, GREGORY, BLIVEN, BRIAN
33: US 31: 63/107,934 32: 2020-10-30
54: DIAGNOSTIC ASSAY SYSTEM WITH REPLACEABLE PROCESSING MODULES AND REMOTE MONITORING
00: -
A biological sample processing apparatus having an enclosure and a plurality of sample processing modules held within an enclosure with a tiltable graphical user interface screen. In one aspect, the individual modules that are readily removable for repair, replacement or upgrade. Each module is configured to be independently operable and readily inserted into the enclosure for connection with a processing unit of the enclosure. Each module can include quick-release mechanisms so that the module can be readily removed and replaced manually or with minimal tools through the front of the enclosure without requiring substantial or total disassembly of the module or entire enclosure. In another aspect, the user interface screen can display identifying information, such as a barcode, that can be scanned by a user's portable device so as to monitor the progress of an assay remotely.

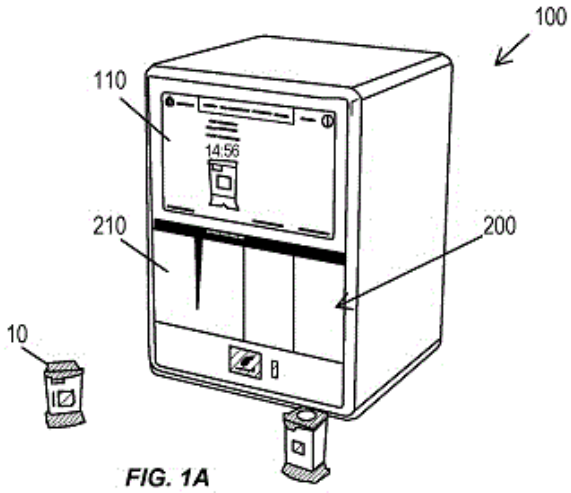


FIG. 1A

21: 2023/05737. 22: 2023/05/29. 43: 2025/09/16
51: G06Q
71: OX MOUNTAIN LIMITED
72: MICHAEL, Sam, DIBSDALE, Charles
33: US 31: 63/110,428 32: 2020-11-06
33: US 31: 17/165,045 32: 2021-02-02
33: US 31: 17/484,022 32: 2021-09-24
33: US 31: 63/255,546 32: 2021-10-14
54: SYSTEM AND METHOD FOR SCALABLE AUTOMATED MAINTENANCE OPTIMISATION
00: -

A scalable automated maintenance optimisation system for managing replacement of parts in a portfolio of assets is described. A plurality of maintenance records pertaining to one or more replaced parts is received. The received plurality of maintenance records is analysed to generate an asset history including information on replacement of parts. An age at replacement distribution is generated for each part type based on the asset history. A part replacement strategy for each part type is determined based at least on the calculated age at replacement distribution. A user interface is controlled to display a list of the parts and the respective determined part replacement strategy. The displayed list automatically reconfigured by moving parts whose determined part replacement strategy is different from a current part replacement strategy to a position closer to the top of the displayed list of parts in the user interface.

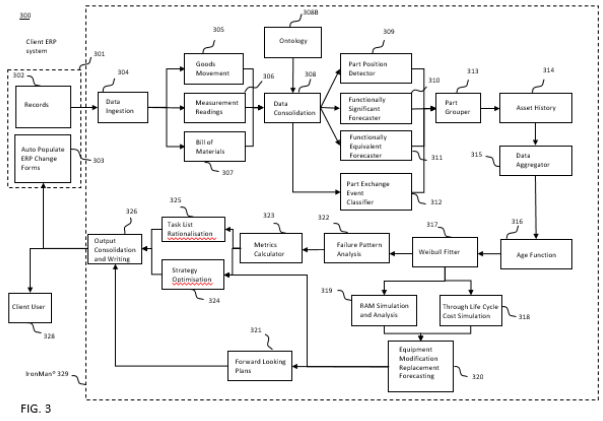
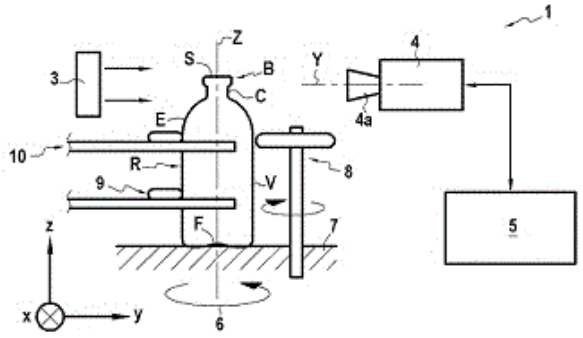


FIG. 3

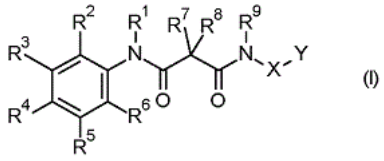
21: 2023/06185. 22: 2023/06/12. 43: 2025/08/05
51: G01N
71: TIAMA
72: FAYOLLE, LUBIN, FOUILLOUX, JULIEN
33: FR 31: FR2013948 32: 2020-12-22
54: METHOD FOR DETECTING DEFECTS OF THE HORIZONTAL MOLD SEAM FOR GLASS CONTAINERS
00: -

The invention relates to a method for detecting defects of the horizontal mold seam (JH) on the bottle finish (B) of containers (R), the method comprising the following steps: - arranging the container (R) between a light source and a camera; - rotating the container (R) on itself through one revolution; - acquiring an image by the camera, at each rotational increment of the container, such that the number of images per revolution is greater than 36; - analyzing the images taken for each container in such a way that: * the profile of the edge of the bottle finish is detected in each image; *the profiles of the bottle finish edge are compared with a reference profile of the bottle finish edge, so as to detect differences between these profiles; *and a defect in the horizontal mold seam (JH) is detected for a container when at least one image of the container exhibits a difference.



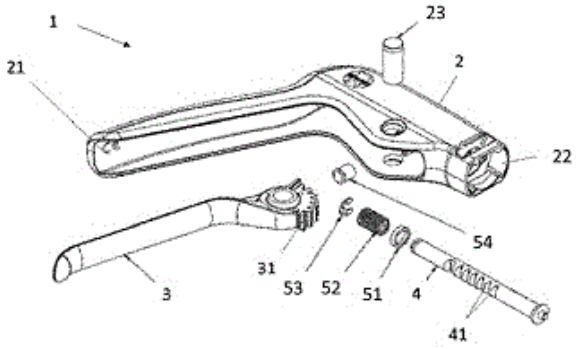
21: 2023/06427. 22: 2023/06/21. 43: 2025/08/26
51: C07D A01N
71: BASF SE
72: ZIMMERMANN, Gunther, KORDES, Markus, SEISER, Tobias, HEINRICH, Marc, KRAEMER, Gerd, SEITZ, Thomas, NEWTON, Trevor, William
33: EP 31: 20209750.7 32: 2020-11-25
33: EP 31: 21194334.5 32: 2021-09-01
54: HERBICIDAL MALONAMIDES
00: -

The present invention relates to malonamide compounds of the formula (I) wherein the variables are as defined in the claims and the description, and to compositions comprising these compounds. The invention also relates to the use of said malonamide compounds or the corresponding compositions for controlling unwanted vegetation. Furthermore, the invention relates to methods for controlling unwanted vegetation wherein said malonamide compounds or the corresponding compositions are applied.



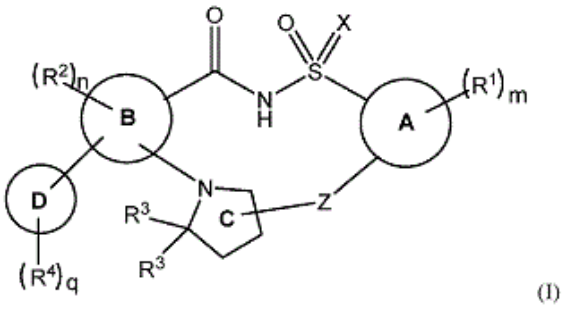
(I)

21: 2023/06995. 22: 2023/07/11. 43: 2025/08/13
51: A61C
71: SEPTODONT OU SEPTODONT SAS OU SPÉCIALITÉS SEPTODONT
72: MARIE, OLIVIER, CO, CLÉMENCE, RICHARD, GILLES, DESCHEPPER, MICKAËL
33: EP 31: 21305075.0 32: 2021-01-21
54: A DISPENSING GUN FOR DELIVERING A MATERIAL FROM A CARTRIDGE
00: -
The dispensing gun (1), intended for delivering a material from a cartridge, comprises a frame (2) having a handle (21), an injection gate (22) for connecting a cartridge, preferably a dental cartridge, said injection gate (22) being located at the distal part of the frame (2), a lever (3) comprising at least two teeth (31) and a piston (4) comprising at least two notches (41), and is characterized in that: - the dispensing gun (1) comprises means for directly locking the cartridge on the injection gate (22); and - the dispensing gun (1) comprises means for pushing the piston (4) inside the cartridge so that the material contained in the cartridge is extruded in a single piston stroke; and - the dispensing gun (1) is configured so that the lever (3) comprises an actuating state in which the first notch (41) of the piston (4) and the first tooth (31) of the lever (3) are engaged together prior to connecting the cartridge so that the lever (3) and the handle (21) form an angle of almost 90°.



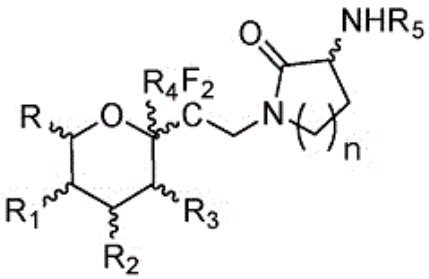
21: 2023/07025. 22: 2023/07/12. 43: 2025/08/26
51: A23L
71: SAMI-SABINSA GROUP LIMITED
72: MAJEED, Muhammed, NAGABHUSHANAM, Kalyanam, MUNDKUR, Lakshmi
33: US 31: 63/126,920 32: 2020-12-17
54: COMPOSITIONS FOR TARGETING RECEPTOR FOR ADVANCED GLYCATION END-PRODUCTS (RAGE) IN A CHRONIC INFLAMMATORY CONDITION
00: -
The invention discloses compositions and methods comprising enriched Bisdemethoxycurcumin (BDMC) present not less than 20% w/w for use in inhibiting Receptor for Advanced Glycation End-Products (RAGE) expression in a subject with chronic-inflammatory condition. The composition further comprises ß-amyrin palmitate (BAP). The invention also includes disclose the use of the above composition in the management of chronic inflammatory condition in a subject

21: 2023/07129. 22: 2023/07/17. 43: 2025/08/13
51: C07D; A61P; A61K
71: VERTEX PHARMACEUTICALS INCORPORATED
72: CLEMENS, JEREMY J, ABELA, ALEXANDER RUSSELL, ANDERSON, COREY DON, BUSCH, BRETT B, CHEN, WEICHAO GEORGE, CLEVELAND, THOMAS, COON, TIMOTHY RICHARD, FRIEMAN, BRYAN, GHIRMAI, SENAIT G, GROOTENHUIS, PETER, GULEVICH, ANTON V, HADIDA RUAH, SARA SABINA, HSIA, CLARA KUANG-JU, KANG, PING, KHATUYA, HARIPADA, MCCARTNEY, JASON, MILLER, MARK THOMAS, PARASELLI, PRASUNA, PIERRE, FABRICE, SWIFT, SARA E, TERMIN, ANDREAS, UY, JOHNNY, VOGEL, CARL V, ZHOU, JINGLAN
33: US 31: 62/631,453 32: 2018-02-15
54: MACROCYCLES AS MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR, PHARMACEUTICAL COMPOSITIONS THEREOF, THEIR USE IN THE TREATMENT OF CYCSTIC FIBROSIS, AND PROCESS FOR MAKING THEM
00: -
Compounds of Formula (I), pharmaceutically acceptable salts thereof, deuterated derivatives of any of the foregoing, and metabolites of any of the foregoing are disclosed. Pharmaceutical compositions comprising the same, methods of treating cystic fibrosis using the same, and methods for making the same are also disclosed.



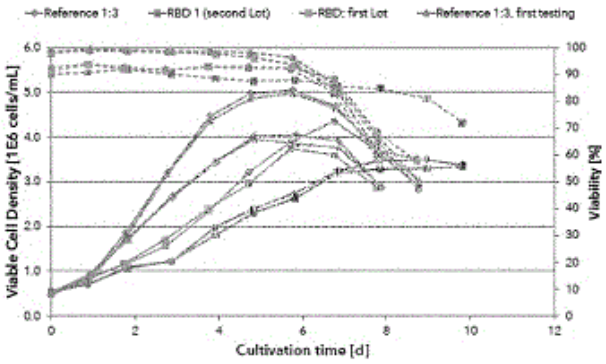
(I)

21: 2023/07154. 22: 2023/07/17. 43: 2025/08/13
51: C07H; A61Q; A61K
71: TFCHEM
72: DELIENCOURT GODEFROY, GÉRALDINE, LEGOEDEC, JOCELYNE, LOPES, LÉNAÏG
33: EP 31: 21305070.1 32: 2021-01-20
54: CYCLIC GLYCOAMINOACID DERIVATIVES
00: -
The present invention relates to compounds of the following formula (I): as well as their preparation process; their use in cosmetic or dermatological applications, in particular for the treatment and/or prevention of skin aging, skin protection or skin regeneration; for skin plumping and/or skin volumizing and/or skin densifiying, and/or wrinkle filling and/or skin or hair moisturising and/or skin or hair relipiding and/or stimulation of hair growth; for the treatment of dry skin and/or atopic dermatitis and/or eczema and/or psoriasis; for the treatment and/or prevention of a fibrosis disease (e.g. an excessive scar such as a keloid or hypertrophic scar) or for healing; or for the treatment of inflammation (e.g. chronic, low-grade inflammation); and their use as adjuvant for preservation and/or protection and/or regeneration of a biological material or a microorganism.



(I)

21: 2023/07189. 22: 2023/07/18. 43: 2025/08/21
51: C12N; A23J
71: BÜHLER AG
72: O'NIEN, JAY, CORDESMEYER, FRANK, CONDE-PETIT, BEATRICE
33: EP 31: 21156945.4 32: 2021-02-12
54: NUTRIENT MEDIA FOR CELL CULTURE CONTAINING PLANT PROTEIN HYDROLYSATES
00: -
The present invention relates to nutritional components suitable for cell culture of eukaryotic cells. These nutritional components can be prepared from plant-based protein hydrolysates. The invention further relates to nutrient media comprising these nutritional components. The nutrient media of the invention can be prepared by replacing serum components, which are common in such media, - at least partially - by the nutritional components of the invention. The nutritional components and the nutrient media of the invention are particularly suitable for use in the food industry, such as in the production of cultured meat.

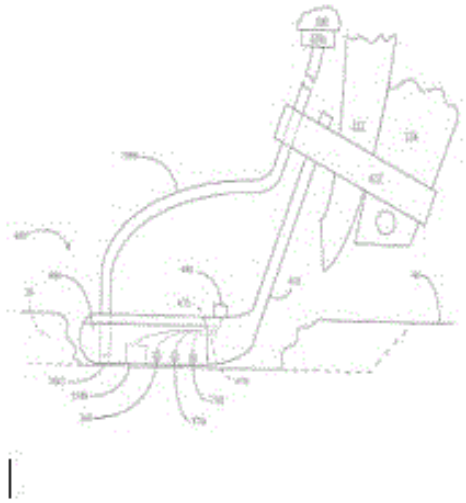


21: 2023/07270. 22: 2023/07/20. 43: 2025/08/13
51: C07K; A61P
71: XENOTHERA
72: DUVAUX, ODILE, VANHOVE, BERNARD, CIRON, CARINE
33: US 31: 63/129,964 32: 2020-12-23
33: EP 31: 20306688.1 32: 2020-12-23
54: COMPOSITION OF PIG POLYCLONAL ANTIBODY FOR ITS USE TO TREAT AND/OR PREVENT ANTIBODY-DEPENDENT MACROPHAGE PRO-INFLAMMATORY CYTOKINE RELEASE IN A PASSIVE ANTI-INFECTIOUS IMMUNOTHERAPY
00: -
The present invention relates to a pig polyclonal antibody composition for its use in preventing or treating a macrophage-dependent inflammation's disease induced by at least one virus wherein said inflammation is characterized by a cytokine storm in a human subject to, or susceptible to be subjected

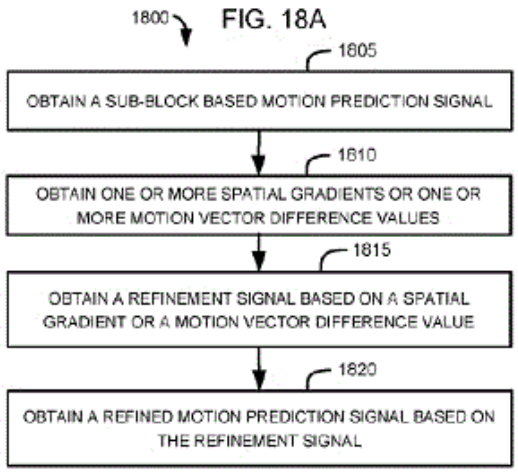
to, the disease, wherein the polyclonal antibodies of the composition are directed against the said at least one virus, or against at least one molecule derived from the said virus, the composition comprising a pharmaceutically acceptable excipient.

21: 2023/07304. 22: 2023/07/21. 43: 2025/08/13
51: C07D; A61P; A61K
71: RAPPTA THERAPEUTICS OY
72: TRAINOR, GEORGE L, RABAL GRACIA, MARIA OBDULIA, FOURMOIS, LAURA, GHERBOVET, OLGA, CACHOUX, FREDERIC
33: US 31: 63/191,405 32: 2021-05-21
33: US 31: 63/273,405 32: 2021-10-29
33: US 31: 63/146,789 32: 2021-02-08
54: SUBSTITUTED CYCLIC MODULATORS OF PROTEIN PHOSPHATASE 2A (PP2A) AND METHODS USING SAME
00: -
The present disclosure relates in part to chemical modulators of protein phosphatase 2A (PP2A). The compounds of the present disclosure are useful in treating, preventing, and/or ameliorating cancer, diabetes, autoimmune disease, solid organ transplant rejection, graft vs host disease, chronic obstructive pulmonary disease (COPD), non-alcoholic fatty liver disease, abdominal aortic aneurysm, chronic liver disease, heart failure, neurodegenerative disease, and cardiac hypertrophy.

21: 2023/07431. 22: 2023/07/26. 43: 2025/09/29
51: A01B; A01C
71: PRECISION PLANTING LLC
72: STRNAD, Michael, KATER, Timothy
33: US 31: 62/567,135 32: 2017-10-02
33: US 31: 62/625,855 32: 2018-02-02
33: US 31: 62/661,783 32: 2018-04-24
54: SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING
00: -
A soil apparatus (e.g., seed firmer) having a locking system is described herein. In one embodiment, the soil apparatus includes a lower base portion for engaging in soil of an agricultural field, an upper base portion, and a neck portion having protrusions to insert into the lower base portion of a base and then lock when a region of the upper base portion is inserted into the lower base portion and this region of the upper base portion presses the protrusions to lock the neck portion to the upper base portion.



21: 2023/07435. 22: 2023/07/26. 43: 2025/08/21
51: H04N
71: INTERDIGITAL VC HOLDINGS, INC.
72: LUO, JIANCONG, HE, YUWEN
33: US 31: 62/833,999 32: 2019-04-15
33: US 31: 62/802,428 32: 2019-02-07
33: US 31: 62/814,611 32: 2019-03-06
54: SYSTEMS, APPARATUS AND METHODS FOR INTER PREDICTION REFINEMENT WITH OPTICAL FLOW
00: -
Method, apparatus and systems are disclosed. In one embodiment, a method of decoding includes obtaining a sub-block based motion prediction signal for a current block of the video; obtaining one or more spatial gradients of the sub-block based motion prediction signal or one or more motion vector difference values; obtaining a refinement signal for the current block based on the one or more obtained spatial gradients or the one or more obtained motion vector difference values; obtaining a refined motion prediction signal for the current block based on the sub-block based motion prediction signal and the refinement signal; and decoding the current block based on the refined motion prediction signal.



21: 2023/07449. 22: 2023/07/26. 43: 2025/08/26
51: F41G
71: KROEGER, Vernon
72: KROEGER, Vernon
33: ZA 31: 2020/04161 32: 2020-07-08

54: A GUN SIGHTING AID

00: -

In accordance with the present invention, there is provided a gun sighting aid (10) including a body (12) configured to be mounted relative a substantially central longitudinal axis (14) of a barrel (16) of a gun (18) to be sighted, mounting means in the form of a fitting member (20) for allowing the body (12) to be displaced relative the longitudinal axis (14) of the gun barrel (16), a camera mounting means in the form of a camera mounting member (22) for allowing a camera (24) to be mounted on the body (12) to allow the camera (24) to be displaced coaxially relative the central longitudinal axis (14) of the gun barrel (16) and a data transmitting means in the form of a data transmitter (26) for transmitting data captured by the camera (24) to a remote display device (28).

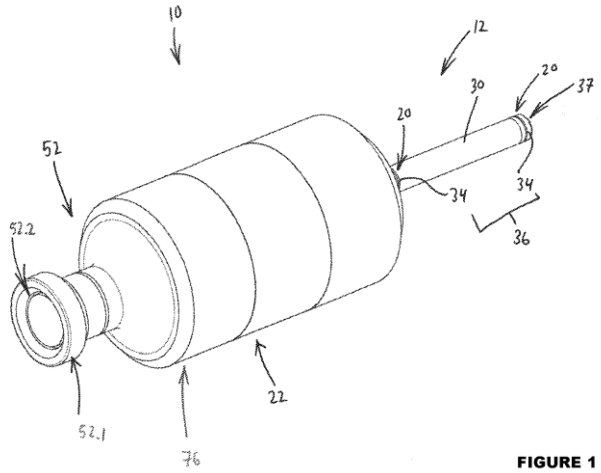


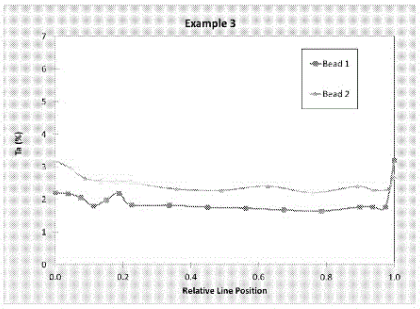
FIGURE 1

21: 2023/07485. 22: 2023/07/27. 43: 2025/09/29
51: B01J
71: ECOVYST CATALYST TECHNOLOGIES LLC
72: HU, Yatao Rachel, SHAH, Parag Rasiklal
33: US 31: 63/143,484 32: 2021-01-29

54: METHOD FOR MANUFACTURING A SUPPORTED TANTALUM CATALYST

00: -

A method for making a supported tantalum oxide catalyst precursor or catalyst with controlled Ta distribution and the resulting supported Ta catalyst. In an embodiment, the method comprises selecting a Ta-precursor with appropriate reactivity with the surface hydroxyls of the solid oxide support material to give a desired Ta distribution in the catalyst precursor or catalyst. In an embodiment the method comprises controlling the number of surface hydroxyls available on the support material to react with the Ta-precursor by thermal methods, such as calcining, to achieve the desired Ta distribution.



21: 2023/07544. 22: 2023/07/28. 43: 2025/08/21
51: A61K; A61P
71: NEURODAWN PHARMACEUTICAL CO., LTD.

72: HUA, YAO, WANG, LEI, ZHANG, ZHENGPING, CHEN, RONG, YANG, SHIBAO
33: CN 31: 202110039436.1 32: 2021-01-13
54: APPLICATION OF CILOSTAZOL-CONTAINING COMPOSITION IN PREPARING DRUG FOR TREATING CEREBROVASCULAR DISEASE
00: -
The present invention belongs to the pharmaceutical field, and relates to an application of a cilostazol and d-borneol composition in preparing a drug for treating cerebrovascular disease, in particular ischemic cerebrovascular disease. The present invention specifically relates to a composition containing cilostazol or a pharmaceutically acceptable salt thereof and d-borneol, and an application of the composition in preparing a drug for treating cerebrovascular disease, in particular ischemic cerebrovascular disease.

21: 2023/07957. 22: 2023/08/16. 43: 2025/08/28
51: C07D
71: BASF SE
72: MCLAUGHLIN, Martin, John, KORADIN, Christopher, KADUSKAR, Rahul, SHINDE, Harish, GOETZ, Roland, GARIVET, Guillaume, Michel, Jacques
33: EP 31: 21153034.0 32: 2021-01-22
54: METHOD FOR PREPARING AN ENANTIOMERICALLY ENRICHED FORM OF 2-[2-(2-CHLOROTHIAZOL-5-YL)-2-HYDROXY-ETHYL]SULFANYL-6-HYDROXY-3-METHYL-5-PHENYL-PYRIMIDIN-4-ONE
00: -
The present invention relates to a method for preparing 2-[2-(2-chlorothiazol-5-yl)-2- hydroxy-ethyl]sulfanyl-6-hydroxy-3-methyl-5-phenyl-pyrimidin-4-one or a tautomer thereof or enantiomerically enriched forms thereof, to 2-[2-(2-chlorothiazol-5-yl)-2- hydroxy-ethyl]sulfanyl-6-hydroxy-3-methyl-5-phenyl-pyrimidin-4-one or a tautomer thereof or enantiomerically enriched forms thereof, and to the use thereof as intermediate in the preparation of 2,3-dihydrothiazolo[3,2-a]pyrimidinium compounds, specifically of 3-(2-chlorothiazol-5-yl)-8-methyl-7-oxo-6-phenyl-2,3-dihydrothiazolo[3,2-a]pyrimidin-4-ium-5-olate and enantiomerically enriched forms thereof.

21: 2023/08157. 22: 2023/08/23. 43: 2025/08/28
51: F04D
71: METSO OUTOTEC SWEDEN AB
72: TUOMISALO, AKI
33: EP 31: 21161576.0 32: 2021-03-09
54: WEAR ELEMENT FOR A SLURRY PUMP
00: -
The disclosure relates to a wear element (23) for a slurry pump arrangeable in a pump housing, wherein at least a portion of the wear element (23) produces a magnetic field for attracting magnetic particles in a slurry processed by the slurry pump. The wear element comprises a magnet for producing the magnetic field, arranged such to generate formation of a protective wear layer on a surface of the wear element when used in a slurry pump. The disclosure further relates to a slurry pump (1) comprising a pump housing (2) and a wear element (23) arranged within the pump housing (2), wherein at least a portion of the wear element (23) produces a magnetic field for attracting magnetic particles present in a slurry processed by the slurry pump (1). The disclosure also relates to a method for producing a protective wear layer in a slurry pump comprising the steps of arranging a wear element in a housing of the slurry pump, wherein at least a portion of the wear element produces a magnetic field; and pumping a slurry comprising magnetic particles through the slurry pump, whereby magnetic particles of the slurry are attracted by the magnetic field, thereby creating the protective wear layer on the wear element.

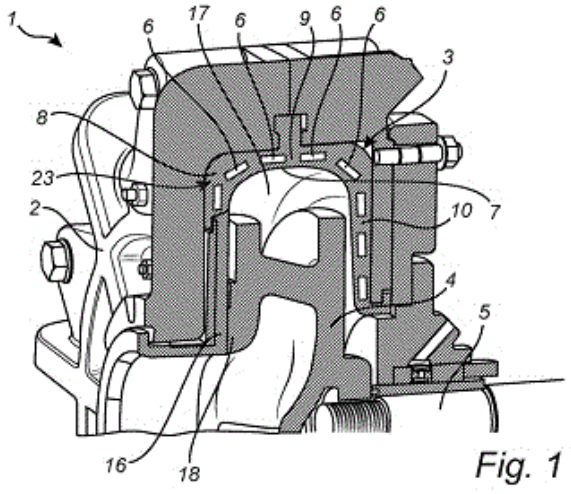


Fig. 1

21: 2023/10118. 22: 2023/10/30. 43: 2025/08/06
51: A61K

71: BDR PHARMACEUTICALS INT'L PVT. LTD
72: DHARMESH MAHENDRABHAI, SHAH, ARAVIND MANAPPA, BADIGER, MUKESHKUMAR SUBHASHCHANDRA, SHARMA, MADHAVKUMAR DILIPBHAI, TRIVEDI, RAKSHIT KETANBHAI, CHOKSI, PRATIK ASHWINBHAI, VORA, VIJAY ASHOK, AGRAWAL, PRASHANT KANAIYALAL, GANDHI, NIMITKUMAR HARISHCHANDRA, PANCHAL, NITIN MERUBHAI, MORI, NILAY MANIKANT, JAYASWAL, HIRENKUMAR JITENDRAKUMAR, DARJI
33: IN 31: 202121030404 32: 2021-07-07
54: NOVEL ORAL LIQUID COMPOSITIONS OF ENZALUTAMIDE AND METHOD OF MANUFACTURING THEREOF
00: -
The present invention relates to oral liquid formulations of Enzalutamide or pharmaceutically acceptable salt thereof and one or more pharmaceutically acceptable excipient. Further, the invention relates to providing an economical and technically advanced dosage form over existing dosage forms. In addition, the present invention also provides an improved process for preparation of Enzalutamide oral liquid formulation. The present invention further provides such compositions for the treatment of for the treatment of patients with metastatic castration-resistant prostate cancer who have previously received docetaxel.

21: 2024/00308. 22: 2024/01/09. 43: 2025/08/06
51: G06F
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: SEWAK, MOHIT, POLURI, RAVI KIRAN REDDY, BLUM, WILLIAM, CHAN, PAK ON, LI, WEISHENG, ACHARYA, SHARADA SHIRISH, RUDNICK, CHRISTIAN, BETSER, MICHAEL ABRAHAM, DRINIC, MILENKO, LIU, SIHONG
33: US 31: 17/711,506 32: 2022-04-01
33: IN 31: 202141029147 32: 2021-06-29
54: AUTOMATIC LABELING OF TEXT DATA
00: -
The technology described herein determines whether a candidate text is in a requested class by using a generative model that may not be trained on the requested class. The present technology may use of a model trained primarily in an unsupervised mode, without requiring a large number of manual user-input examples of a label class. The may produce a semantically rich positive example of label text from a candidate text and label. Likewise, the technology may produce from the candidate text and the label a semantically rich negative example of label text. The labeling service makes use of a generative model to produce a generative result, which estimates the likelihood that the label properly applies to the candidate text. In another aspect, the technology is directed toward a method for obtaining a semantically rich example that is similar to a candidate text.

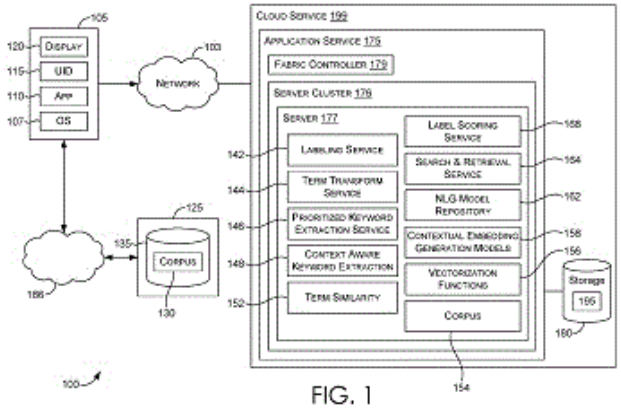
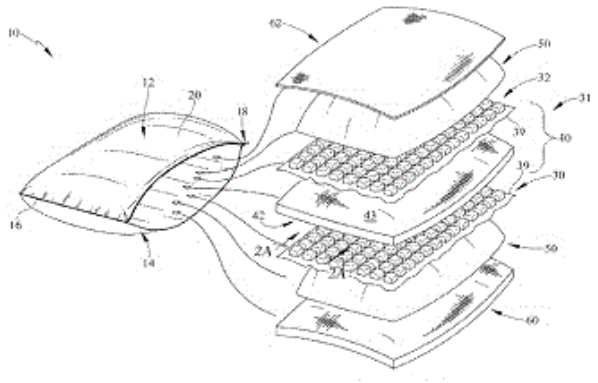


FIG. 1

21: 2024/00360. 22: 2024/01/10. 43: 2025/08/06
51: A47G; A47C
71: SEALY TECHNOLOGY, LLC
72: MANUSZAK, BRIAN M, HANSON, ROBBIE, BEAMON, JAMES A, PLATEK, ALLEN M
33: US 31: 63/214,505 32: 2021-06-24
54: HYBRID PILLOW
00: -
A hybrid pillow includes a first coil panel and a second coil panel which are joined along peripheral edges to form an inner shell defining a gap therebetween. The first coil panel is formed of a plurality of coil springs, an upper fabric layer, and a lower fabric layer, with the upper fabric layer and the lower fabric layer joined between the plurality of coil springs and along peripheral edges of the first coil panel. The second coil panel is formed of a second plurality of coil springs, a second upper fabric layer, and a second lower fabric layer, with the second upper fabric layer and the second lower fabric layer joined between the plurality of coil springs and along peripheral edges of the second coil panel. A support material disposed in the gap of the inner shell, and one or more additional layers disposed about the inner shell.



21: 2024/02069. 22: 2024/03/13. 43: 2025/09/16
51: G01M
71: TECHNICKA UNIVERZITA V LIBERCI
72: Vitezslav FLIEGEL, Petr LEPSIK, Rudolf MARTONKA
33: CZ 31: PV 2021-39309 32: 2021-10-26

54: DEVICE FOR SIMULATION OF A MOVING VEHICLE

00: -

The invention relates to a device for simulation of a moving vehicle, which comprises a base (1) on which a vertical positioning node is mounted, and on the vertical positioning node a horizontal positioning node is mounted. The vertical positioning node comprises a vertical linear reciprocating actuator (200) and the horizontal positioning node comprises a first horizontal linear reciprocating actuator (210a) and a second horizontal linear reciprocating actuator (210b). The horizontal linear reciprocating actuators (210a, 210b) are arranged above each other in mutually parallel planes, whereby the first horizontal linear reciprocating actuator (210a) is adapted to move in the first horizontal direction (X), the second horizontal linear reciprocating actuator (210b) is adapted to move in the second horizontal direction (Z), whereby the first horizontal direction (X) and the second horizontal direction (Z) are oriented transversely to each other.

21: 2024/02092. 22: 2024/03/13. 43: 2025/08/06
51: F42D
71: DAVEY BICKFORD
72: DENUELLE, AYMERIC, PRIEUR, FÉLIX
33: FR 31: FR2109153 32: 2021-09-01

54: ELECTRONIC DETONATOR SPOOL AND DETONATOR COMPRISING SUCH A SPOOL

00: -

Detonator spool (10) comprising at least one body (11) configured to receive a cable wound around the body, the body (11) comprising at least one housing configured to receive a primer, an electronic control module housing (16a) configured to receive an electronic control module (50), and a bore (14) forming a hub configured to rotate the body of the spool (10); and detonator comprising such a spool (10).

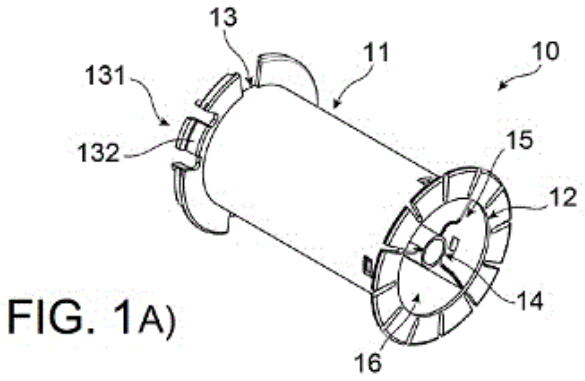


FIG. 1A)

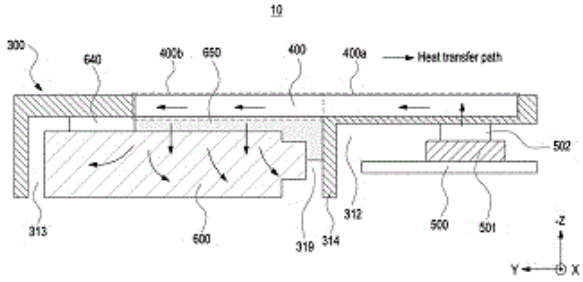
21: 2024/02625. 22: 2024/04/04. 43: 2025/08/06
51: H05K; H04M; C09K
71: SAMSUNG ELECTRONICS CO., LTD.
72: HAM, TAEWOOK, KWON, MOONHYUNG, YUN, YOUNGGIRL, CHOI, TAEKKYUN, HEO, WONHYUNG
33: KR 31: 10-2021-0128315 32: 2021-09-28

54: ELECTRONIC DEVICE COMPRISING HEAT DISSIPATION STRUCTURE

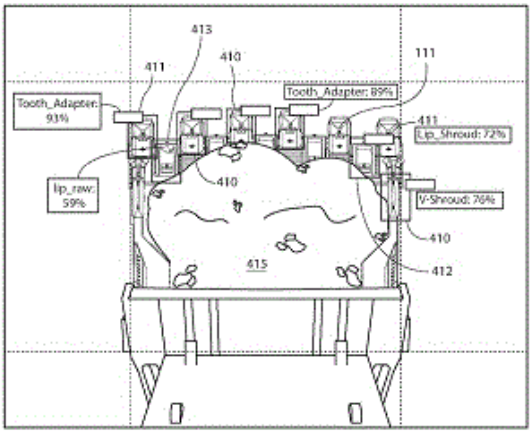
00: -

The present disclosure relates to an electronic device comprising a heat dissipation structure. The electronic device may comprise: a bracket comprising a first area, a second area partitioned from the first area, and a heat dissipation area extendedly formed from a portion of the first area up to a portion of the second area; a circuit board comprising a heating source and disposed in the first area; a battery disposed in the second area; a vapor chamber disposed in the heat dissipation area and, in order to provide a transfer path for heat generated from the heating source, comprises a first part disposed so as to face the heating source, and a second part disposed so as to face the battery; and a filling member coated between the second area and the battery in order to transfer the heat dissipated from the vapor chamber to the battery,

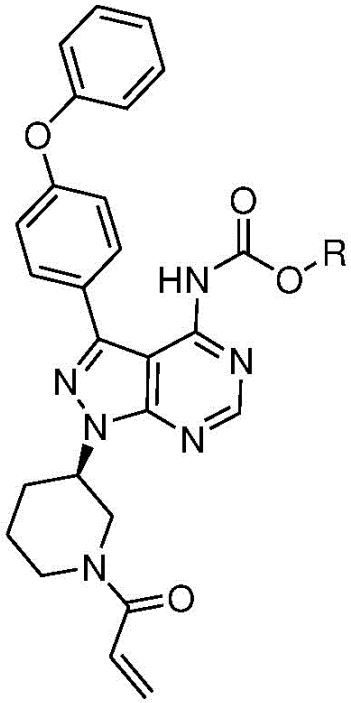
wherein the vapor chamber has a buffer area formed at an edge area thereof in order to receive the filling member.



21: 2024/02704. 22: 2024/04/08. 43: 2025/08/12
51: E02F; G06T; G06N; H04N; G06V; G07C
71: JEBI S.A.C.
72: MESONES AURICH, MAURICIO, PORTUGAL ZAMBRANO, CHRISTIAN, VIVANCO OLIVERA, EDER JOEL, CARPIO REYNOSO, YHERICO ALBERTO, VALERIO OGOSI, MARLON ARNALDO
33: PE 31: 001494-2021/DIN 32: 2021-09-10
54: INTELLIGENT MONITORING SYSTEM FOR MINERAL LOADING PROCESS
00: -
The "GET smart" system uses AI modeling and neural network technology to efficiently identify wear part loss events and provide other useful metrics during excavator operation to improve efficiency and reduce downtime. The system monitors the integrity of ground engaging tools (GETs) by way of multidimensional sensors, determining regions of interest, and creating and processing enriched tensors via embedded systems with a combination of CPUs and TPUs. The system also determines the wear level of GETs, volume of minerals per shovel bucket, and average particle size.

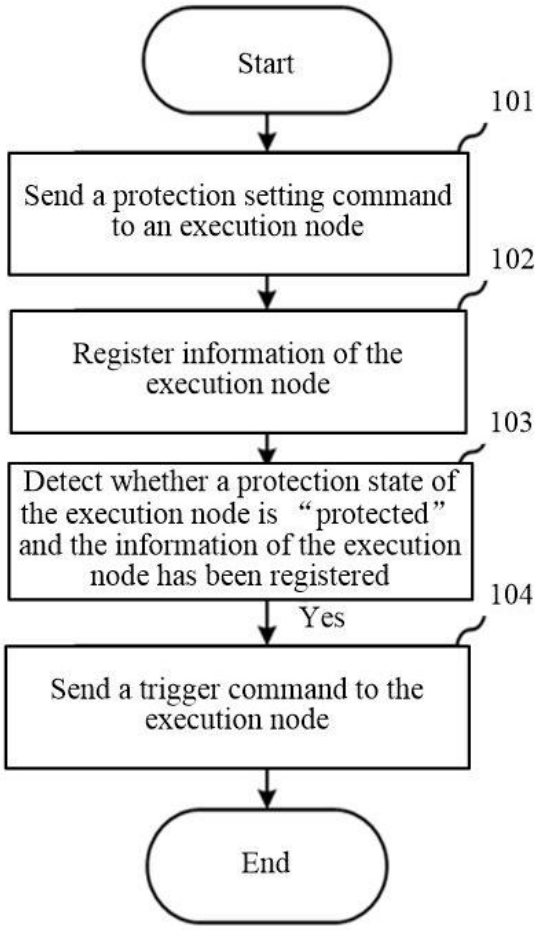


21: 2024/03211. 22: 2024/04/25. 43: 2025/07/31
51: A61P; C07D
71: Shanghai Maius Pharmaceutical Co. Ltd.
72: GUO, Yekun, HUANG, Dujian, HU, Xiang, SHI, Mingfeng
33: CN 31: 202111131059.0 32: 2021-09-26
54: PYRAZOLOPYRIMIDINE ESTER COMPOUND
00: -
The present invention provides a pyrazolopyrimidine ester compound having a structure as shown in a general formula. The present invention also provides a preparation method for the pyrazolopyrimidine ester compound and an application thereof in the preparation of a drug for treating blood diseases such as lymphoma and lymphocytic leukemia. The pyrazolopyrimidine ester compound of the present invention has a relatively small first pass effect, rapidly enters blood plasma after oral absorption and exerts a drug effect, has a relatively flat blood drug concentration peak but a large AUC, can provide relatively high bioavailability, a stable blood drug concentration and a long action duration, and is more suitable for clinical requirements compared with an existing BTK inhibitor.



21: 2024/03321. 22: 2024/04/29. 43: 2025/07/31
51: H04Q
71: ZTE CORPORATION

72: ZHANG, Dedi, XIONG, Yong, WANG, Xiaobo, XIAO, Shengxian, TAO, Anxiang, SHI, Sichao
33: CN 31: 202111154822.1 32: 2021-09-29
54: AUTHORIZATION CONTROL METHOD AND APPARATUS FOR POWER DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM
00: -
Embodiments of the present application relate to the field of communication power supplies, and relate in particular to an authorization control method and apparatus for a power device, an electronic device, and a storage medium. The authorization control method for a power device comprises: issuing a fortification command to an execution node for the execution node to modify a fortification state to fortified; registering the execution node after information that is fed back by the execution node and that indicates fortification success; is received; and issuing a trigger command to the execution node after detecting that the registered and fortified execution node has started.



21: 2024/03327. 22: 2024/04/29. 43: 2025/07/31
51: A61K; A61P; C07F
71: Nuo-Beta Pharmaceutical Technology (Shanghai) Co., Ltd.
72: HUANG, Fude, HONG, Feng, WANG, Wenan, ZHANG, Jiangang, XIE, Yuyu, ZHANG, Hao, JIAO, Changping, CAO, Luxiang, ZHENG, Linan, HUANG, Changde, HOU, Lijuan, MA, Liping, LU, Jinlian, FANG, Li, AN, Peiyun
33: CN 31: 202111162542.5 32: 2021-09-30
54: HALOGENATED PHENYLARSINE OXIDE COMPOUND AND APPLICATION THEREOF
00: -
A fluorinated phenylarsine oxide or a pharmaceutically acceptable salt thereof, relating to a pharmaceutical composition containing a pharmaceutically acceptable carrier and a fluorinated phenylarsine oxide. The fluorinated phenylarsine oxide can be used for treating and preventing cancer and related diseases.

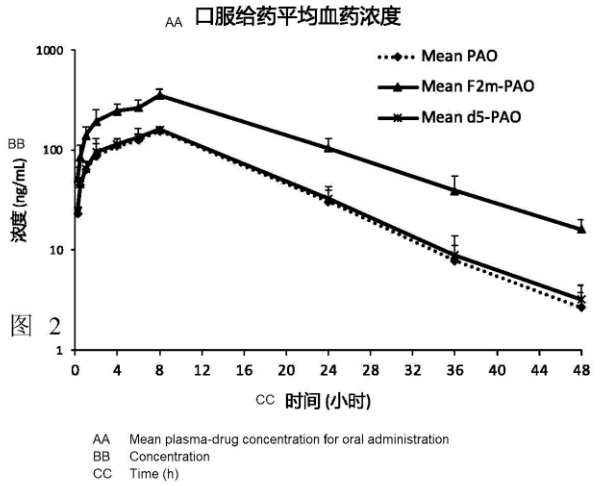
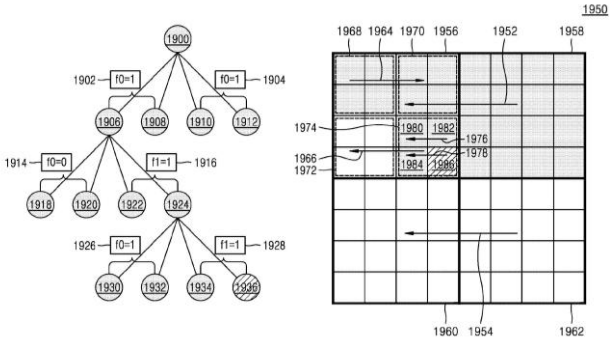


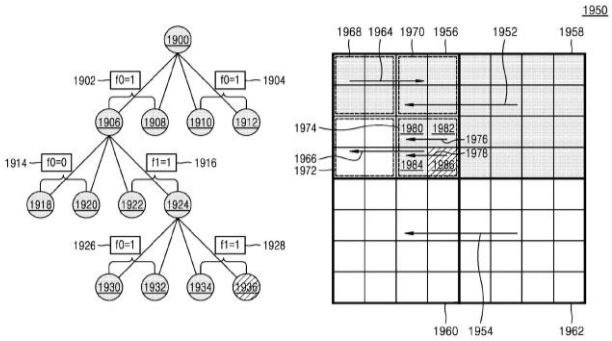
图 2

21: 2024/03350. 22: 2024/04/30. 43: 2025/07/31
51: H04N
71: Samsung Electronics Co., Ltd.
72: PIAO, Yin-ji
33: US 31: 62/534,424 32: 2017-07-19
54: ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR
00: -
Provided is a method for decoding a video, comprising the steps of: obtaining, from a bitstream, partition information indicating whether or not a current block is to be partitioned; partitioning the current block into two or more sub-blocks when the partition information indicates that the current block is to be partitioned; determining lower-level

horizontal encoding order information of the sub-blocks of the current block according to higher-level horizontal encoding order information applied to the current block on the basis of at least one of the partition information, size information and adjacent block information of the current block; and decoding the sub-blocks according to the lower-level horizontal encoding order information.



21: 2024/03351. 22: 2024/04/30. 43: 2025/07/31
51: H04N
71: Samsung Electronics Co., Ltd.
72: PIAO, Yin-ji
33: US 31: 62/534,424 32: 2017-07-19
54: ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR
00: -
Provided is a method for decoding a video, comprising the steps of: obtaining, from a bitstream, partition information indicating whether or not a current block is to be partitioned; partitioning the current block into two or more sub-blocks when the partition information indicates that the current block is to be partitioned; determining lower-level horizontal encoding order information of the sub-blocks of the current block according to higher-level horizontal encoding order information applied to the current block on the basis of at least one of the partition information, size information and adjacent block information of the current block; and decoding the sub-blocks according to the lower-level horizontal encoding order information.



21: 2024/03426. 22: 2024/05/02. 43: 2025/10/10
51: A61K; C07D; A61P
71: GILEAD SCIENCES, INC.
72: BALAN, GAYATRI, BARTLETT, MARK J., CHANDRASEKHAR, JAYARAMAN, CODELLI, JULIAN A., CONWAY, JOHN H., COSMAN, JENNIFER L., KALLA, RAO V., KASUN, ZACHARY A., KIM, MUSONG, LEE, SEUNG H., LO, JENNIFER R., LOYER-DREW, JENNIFER A., MITCHELL, SCOTT A., PERRY, THAO D., PHILLIPS, GARY B., SALVO, PATRICK J., SWAMINATHAN, SUNDARAMOORTHI, VAN VELDHUIZEN, JOSHUA J., YEUNG, SUET C., ZABLOCKI, JEFF
33: US 31: 62/753,339 32: 2018-10-31
33: US 31: 62/868,550 32: 2019-06-28
54: SUBSTITUTED 6-AZABENZIMIDAZOLE COMPOUNDS AS HPK1 INHIBITORS
00: -
The present disclosure relates generally to certain 6-azabenzimidazole compounds, pharmaceutical compositions comprising said compounds, and methods of making and using said compounds and pharmaceutical compositions. The compounds and compositions disclosed herein may be used for the treatment or prevention of diseases, disorders, or infections modifiable by hematopoietic progenitor kinase 1 (HPK1) inhibitors, such as HBV, HIV, cancer and/or a hyper-proliferative disease.

21: 2024/03890. 22: 2024/05/20. 43: 2025/09/04
51: A61K; A61M; A61P
71: OREXO AB
72: SÄVMARKER, Jonas, RÖNN, Robert
33: GB 31: 2117015.4 32: 2021-11-25
33: GB 31: 2117016.2 32: 2021-11-25
54: PHARMACEUTICAL COMPOSITION COMPRISING ADRENALINE
00: -

According to the invention, a pharmaceutical composition in the form of a solid, amorphous, single-particle powder comprises a mixture of: (a) an effective pharmacological dosage amount of an adrenergic receptor modulator or a pharmaceutically acceptable salt thereof; and (b) a pharmaceutically acceptable carrier material, which carrier material comprises a maltodextrin having a dextrose equivalent (DE) that is greater than 15. The compositions are suitable for, for example, transmucosal delivery of drugs, including including nasal administration, whereby said compositions can be loaded into a single-use nasal applicator. The compositions are preferably manufactured by spray drying and may further comprise a disaccharide, such as lactose or trehalose which, together with the active ingredient and the maltodextrin, may be spray dried together in combination. The compositions may further include one or more alkyl saccharides. Preferred alkyl saccharides include sucrose esters, such as sucrose monolaurate. Preferred adrenergic receptor modulators include epinephrine (adrenaline). The compositions are thus particularly useful in the treatment of allergic reactions, including anaphylaxis.

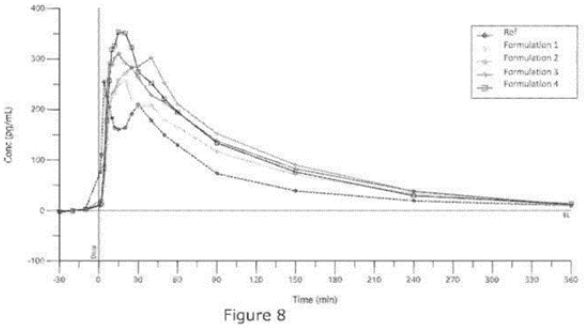


Figure 8

21: 2024/03907. 22: 2024/05/20. 43: 2025/09/16
51: B62M; B63H; B64C
71: BENTERKI, Mohamed Sadek
72: BENTERKI, Mohamed Sadek
33: DZ 31: DZ-2021-000716 32: 2021-11-21

54: MECHANISM FOR PROPELLING HUMAN-POWERED VEHICLES BY MEANS OF LEVERS THAT PIVOT ON A HORIZONTAL AXIS AND/OR TWO PARALLEL AND SYMMETRICAL VERTICAL AXES

00: -

The present invention relates to a mechanism comprising a frame (10), levers (7), pedals (19,17,13), clutches (01), and/or freewheels, gears and/or pulleys, rotation shafts (8,9, 11, 14, 15), and/or push shafts levers (20) which convert the reciprocating pushing motion into a rotational motion of the different vehicles or whatever needs of driving force, by the muscular effort of the legs of at least one user in a vertical position (standing) and/or a user in a horizontal position (sitting) or even completely lying on the back or on the stomach in order to push the levers (7) which bounce back and forth around a horizontal axis (HX) and/or two parallel and symmetrical vertical axes (VX1 and VX2).

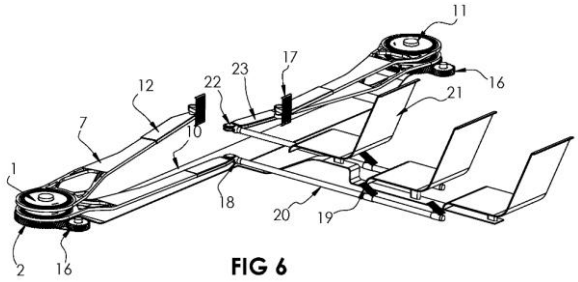


FIG 6

21: 2024/04024. 22: 2024/05/23. 43: 2025/09/12
51: F16C; F16D
71: COBRA INSTALACIONES Y SERVICIOS, S.A.
72: CANCHO VERA, José Carlos, CANCHO VERA, José Carlos
33: ES 31: U202330915 32: 2023-05-26

54: GUIDE SYSTEM FOR A BALL JOINT ASSEMBLY OF THERMOSOLAR PLANTS

00: -

In a solar plant a ball joint assembly in a connection between a movable absorption tube and a fixed tube which includes a spring which urges two connection tubes between an intermediate ball joint in one direction and a mechanism which limits movement of the intermediate ball joint thereby to correct a rotational position of an output ball joint.

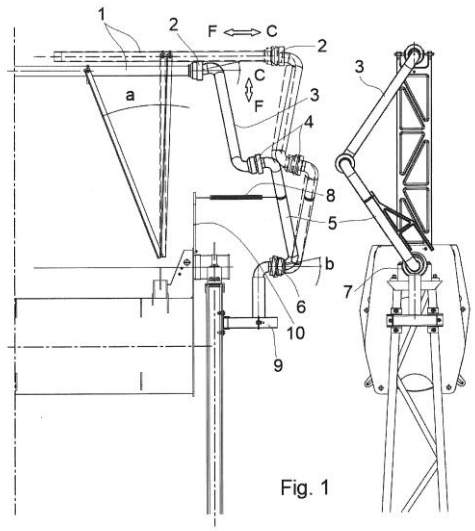
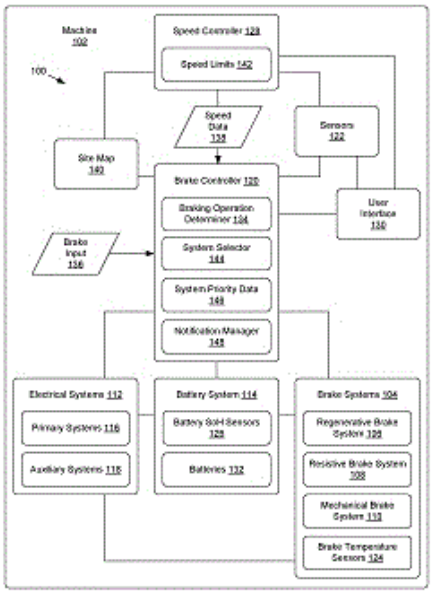


Fig. 1

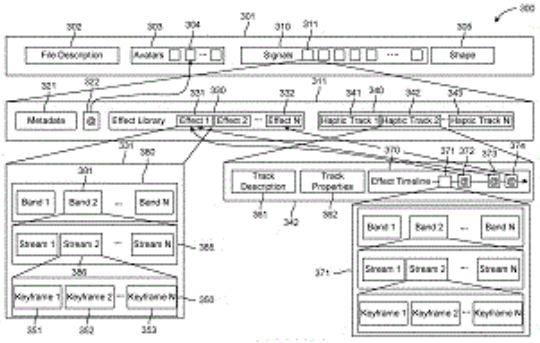
21: 2024/04094. 22: 2024/05/27. 43: 2025/09/16
51: C09D
71: Hengyang Shantai Chemical Co., Ltd
72: ZHANG, Liangwu, LI, Liedong, WANG, Yanqing, WU, Hongmei, GONG, Tao
54: POLYESTER RESIN PARTICLES AND PREPARATION METHOD THEREOF, AND POWDER COATING
00: -
The present invention provides polyester resin particles and a preparation method thereof, and a powder coating, which falls within the technical field of industrial coatings. The polyester resin particles of the present invention include the following raw materials for preparation: 50 to 80 parts of polyhydric alcohol, 80 to 140 parts of acidolysis agent, 0.1 to 0.2 parts of antioxidant, 0.1 to 0.2 parts of catalyst, 8 to 20 parts of phosphate ester, 15 to 30 parts of polybasic acid, 0.4 to 1 parts of accelerator, and 0.1 to 0.2 parts of heat stabilizer. In the present invention, the powder coating prepared by the polyester resin particles can be sprayed and coated on the surface of a coated material without chemical pretreatment, thereby improving the spraying and coating efficiency and saving costs on the basis of green environment protection.

21: 2024/04125. 22: 2024/05/27. 43: 2025/08/05
51: B60L
71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC
72: SCHNEIDER, KARL P, LANE, CAMERON T
33: US 31: 17/537,420 32: 2021-11-29
54: BRAKE CONTROL SYSTEM FOR BATTERY-POWERED MACHINE
00: -
A brake controller of a machine can be configured to determine brake power associated with braking operations, such as operations to slow the machine or maintain a speed of the machine. The brake controller can allocate the brake power among systems such as a battery system, a resistive grid, auxiliary systems, a mechanical brake system, and/or other systems, based on a defined priority order of the systems. For example, the brake controller can prioritize using a regenerative brake system to charge a battery system during a braking operation up to a currently-available capacity of the battery system, and allocating any remaining brake power to a lower-priority system. The mechanical brake system can be the lowest-priority system, such that use of the mechanical brake system can be avoided unless an amount of brake power exceeds capacities of higher-priority systems to consume the brake power.



21: 2024/04139. 22: 2024/05/27. 43: 2025/08/08
51: G06F; H04N
71: INTERDIGITAL CE PATENT HOLDINGS, SAS
72: GALVANE, QUENTIN, DANIEAU, FABIEN, GUILLOTEL, PHILIPPE
33: EP 31: 21306693.9 32: 2021-12-02
33: EP 31: 22305295.2 32: 2022-03-15
54: TIMELINE BASED REPRESENTATION FOR HAPTIC SIGNAL
00: -

A data structure storing information representative of haptic effects comprises a set of haptic effects and a timeline. Haptic effects may be defined in a flexible manner, either directly within the timeline or referenced by an identifier within the timeline. A library may store definitions of the effects with associated identifiers. Data restructuring processes are proposed to convert from a streaming-friendly format where the library is not used to an edition friendly format with the use of a library, and vice versa.



21: 2024/04271. 22: 2024/05/31. 43: 2025/09/12
51: C07K; A61P
71: AFFIMED GMBH
72: KOCH, Joachim, PAHL, Jens, ROSS, Thorsten, SIEGLER, Jana-Julia, DULAT, Holger
33: EP 31: 21206329.1 32: 2021-11-03
33: EP 31: 21213774.9 32: 2021-12-10
33: EP 31: 22187301.1 32: 2022-07-27
54: BISPECIFIC CD16A BINDERS
00: -
The present invention relates to a bispecific antibody construct comprising (a) a first binding domain (A), which is capable of specifically binding to a first target (A') that is CD16A on the surface of an immune effector cell, wherein the first binding domain comprises: (i) a VL region comprising CDR-L1 as depicted in SEQ ID NO: 4, a CDR-L2 as depicted in SEQ ID NO: 5, and a CDR-L3 as depicted in SEQ ID NO: 6; and (ii) a VH region as depicted in SEQ ID NO: 7 or SEQ ID NO: 134; and (b) a second binding domain (B), which is capable of specifically binding to a second target (B') that is an antigen on the surface of a target cell. The present invention also relates to related nucleic acid molecules, vectors, host cells, methods of producing the antibody constructs, pharmaceutical compositions, medical uses, and kits.

21: 2024/04272. 22: 2024/05/31. 43: 2025/09/12
51: C07K; A61P
71: AFFIMED GMBH
72: KOCH, Joachim, PAHL, Jens, ROSS, Thorsten, SIEGLER, Jana-Julia, DULAT, Holger
33: US 31: 63/369,602 32: 2022-07-27
33: EP 31: 21206329.1 32: 2021-11-03
33: EP 31: 21213774.9 32: 2021-12-10
33: EP 31: 22187329.2 32: 2022-07-27
54: BISPECIFIC CD16A BINDERS
00: -
The present invention relates to a bispecific antibody construct comprising (a) a first binding domain (A), which is capable of specifically binding to a first target (A') that is CD16A on the surface of an immune effector cell, wherein the first binding domain comprises: (i) a VL region comprising CDR-L1 as depicted in SEQ ID NO: 4, a CDR-L2 as depicted in SEQ ID NO: 5, and a CDR-L3 as depicted in SEQ ID NO: 6; and (ii) a VH region as depicted in SEQ ID NO: 7; and (b) a second binding domain (B), which is capable of specifically binding to a second target (B') that is an antigen on the surface of a target cell, wherein the second target (B') is FOLR1. The present invention also relates to related nucleic acid molecules, vectors, host cells, methods of producing the antibody constructs, pharmaceutical compositions, medical uses, and kits.

21: 2024/04399. 22: 2024/06/05. 43: 2025/09/11
51: B65D
71: OGRAPHY PTY LTD
72: MARKS, Prudence
33: AU 31: 2021904109 32: 2021-12-17
54: FOLDABLE CONTAINER
00: -
A foldable container, a blank for forming the foldable container, and a method of forming the foldable container from the blank. The container comprising a base and four upstanding walls that extend therefrom and together define an internal space for storing contents therein, the upstanding walls including a pair of opposing end walls and a pair of opposing side walls, at least one the end walls configured to moveably interlock with the pair of side walls to hold the container in an assembled form, wherein the container is transitionable between a

contracted configuration and an expanded configuration.

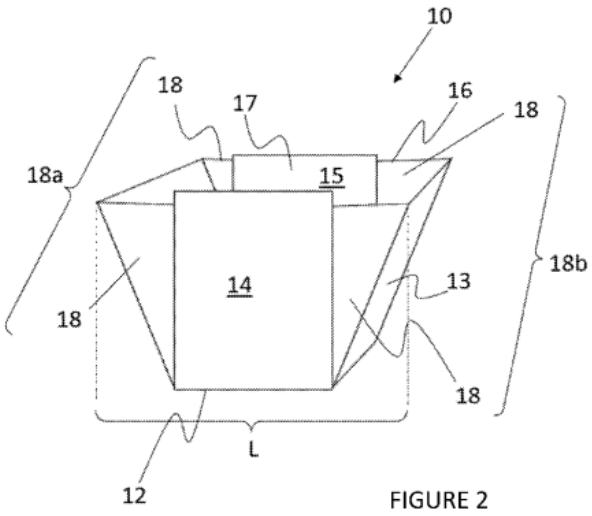


FIGURE 2

21: 2024/04400. 22: 2024/06/05. 43: 2025/09/11
51: C12C
71: PHANTASM LIMITED
72: RUFFELL, Joshua
33: NZ 31: 783291 32: 2021-12-09
33: NZ 31: 783293 32: 2021-12-09

54: COMPOSITIONS COMPRISING GRAPE SKIN EXTRACTS AND METHODS OF PREPARATION AND USE THEREOF

00: -

The present disclosure encompasses compositions prepared from grape skin extracts, as well as chemical compounds prepared from these skins. Also encompassed are methods of preparing these compositions and compounds, and methods of using these compositions and compounds. Particularly encompassed are methods of using the compositions and compounds for preparing various beverages, including fermented beverages, such as beers.

21: 2024/04401. 22: 2024/06/05. 43: 2025/09/11
51: C12C
71: PHANTASM LIMITED
72: RUFFELL, Joshua
33: NZ 31: 783291 32: 2021-12-09
33: NZ 31: 783293 32: 2021-12-09

54: GRAPE SKIN COMPOSITIONS AND COMPOUNDS, AND METHODS OF PREPARATION AND USE THEREFOR

00: -

The present disclosure encompasses concentrates prepared from grape skins, as well as compositions comprising these grape skin concentrates. Also encompassed are methods of preparing these concentrates and compositions, and methods of using the same. Particularly encompassed are methods of using the grape skin concentrates and compositions for preparing various beverages, including fermented beverages, such as beers.

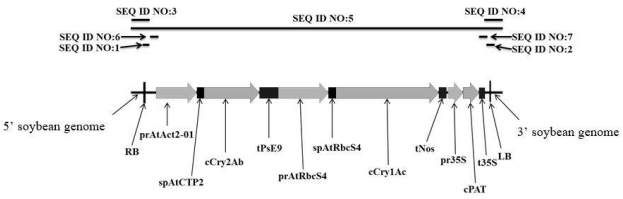
21: 2024/04430. 22: 2024/06/06. 43: 2025/09/11
51: A01G; A01H; A23D; A23J; A23L; C12N; C12Q
71: BEIJING DABEINONG BIOTECHNOLOGY CO., LTD.
72: YU, Caihong, XIE, Xiangting, DI, Shaokang, HAN, Chao, LI, Yunting, ZHANG, Linlin, BAO, Xiaoming

54: NUCLEIC ACID SEQUENCE FOR DETECTING GLYCINE MAX PLANT DBN8205 AND DETECTION METHOD THEREFOR

00: -

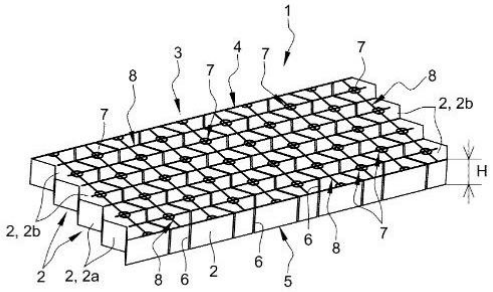
Provided are a nucleic acid sequence for detecting a Glycine max plant DBN8205 and a detection method therefor. The nucleic acid sequence comprises SEQ ID NO: 1 or a complementary sequence thereof, and/or SEQ ID NO: 2 or a complementary sequence thereof. The Glycine max plant DBN8205 has good resistance to insects of Lepidoptera order and good tolerance to glufosinate herbicides, and therefore the

yield is not affected. By utilizing the detection method, it is possible to accurately and quickly identify whether a biological sample contains a DNA molecule of a transgenic Glycine max event DBN8205.



21: 2024/04443. 22: 2024/06/07. 43: 2025/09/11
51: A61K
71: IMAGINE PHARMA LLC
72: THAI, Ngoc, POLLETT, Jonathan
33: US 31: 63/288,579 32: 2021-12-11
54: COMPOSITIONS AND METHODS FOR ORAL ADMINISTRATION
00: -
Compositions and methods for the targeted delivery of therapeutic polypeptides and protein-based therapeutics across the gastrointestinal lining are disclosed. In one aspect, provided is a polypeptide construct comprising (a) a first polypeptide comprising an amino acid sequence that is at least 80% identical to an amino acid sequence selected from any one of SEQ ID NO: 1-40; and (b) a second polypeptide, wherein the second polypeptide is heterologous to the first polypeptide. In one aspect, the heterologous polypeptide is a therapeutic polypeptide

21: 2024/04464. 22: 2024/06/07. 43: 2025/09/11
51: B32B
71: TECHNI-MODUL ENGINEERING
72: LUQUAIN Serge
33: EP 31: 21306872.9 32: 2021-12-21
54: MULTI-BLOCKS STRUCTURE AND METHOD FOR FORMING A COMPOSITE PART FROM SAID STRUCTURE
00: -
The present invention relates to a multi-blocks structure (1) intended to be used as the core material of a composite part, comprising a plurality of elementary hexagonal columnar shaped blocks (2), arranged adjacent one another in a honeycomb-like pavement and interconnected by linking means (7, 8) to form a unitary plate (3), wherein the linking means (7, 8) are located on the first side (4) of the plate (3) and are configured to leave interspaces (6) between the blocks (2) and to authorize an angular offset of each block (2) with respect to the adjacent blocks (2), so that the plate (3) is allowed to deform from a substantially straight configuration to a curved configuration at least in the area of the offset blocks (2). The invention also relates to a composite part comprising such a multi-blocks structure and to a method for manufacturing such a composite part.



21: 2024/04480. 22: 2024/06/10. 43: 2025/09/11
51: C25C
71: ARCELORMITTAL, JOHN COCKERILL S.A.
72: Hervé LAVELAINE DE MAUBEUGE, Luc VAN HEE, Cédric FLANDRE
33: IB 31: PCT/IB2021/061763 32: 2021-12-15
54: ELECTROLYSIS APPARATUS FOR THE PRODUCTION OF IRON WITH AN IMPROVED GAS PERMEABLE ANODE PLATE
00: -
The invention concerns an apparatus (1) for the production of iron through reduction of iron ore by an electrolysis reaction, said electrolysis reaction emitting a gas, the apparatus comprising a casing (4) including a gas permeable anode plate (2) being made of a cellular material, a cathode plate (3), both facing each other and being separated by an electrolyte chamber (6).

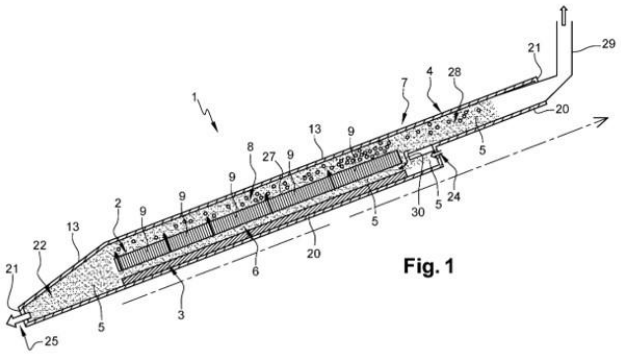


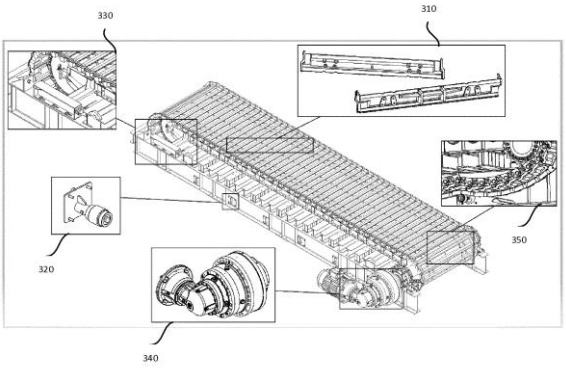
Fig. 1

21: 2024/04577. 22: 2024/06/12. 43: 2025/09/19
51: B65G
71: METSO USA INC.
72: DUTTA, Sushanta, HUSTWICK, Richard, LEACH, Jesse
33: US 31: 17/560,426 32: 2021-12-23

54: SYSTEM AND METHOD FOR MONITORING AN APRON FEEDER

00: -

Provided is a system for continuously monitoring in real-time an apron feeder in real-time, the apron feeder having a plurality of units. The system comprises a plurality of sensor modules of different types, wherein each sensor module refers to a specific type of unit of the apron feeder and comprises at least one sensor, each sensor being configured to measure an individual condition of a unit of the apron feeder, to generate sensor data representing the measured individual condition, and to transmit the generated sensor data; a base station configured to collect the sensor data from the plurality of sensor modules, and to transmit outbound data, the outbound data being based on the collected sensor data; and a processing unit configured to receive the outbound data from the base station, to analyse the outbound data for determining whether or not any of the unit of the apron feeder needs to be replaced or readjusted based on its individual condition, and to generate a result of the determination for continuously indicating an overall state of the apron feeder.

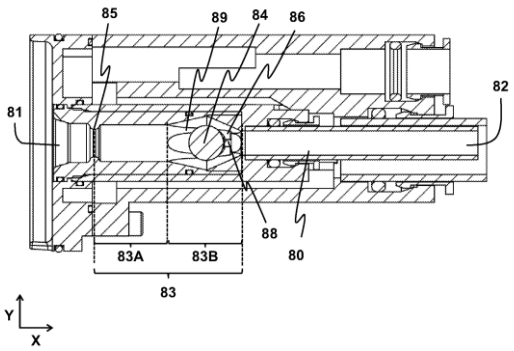


21: 2024/04769. 22: 2024/06/19. 43: 2025/09/19
51: B67D
71: HEINEKEN SUPPLY CHAIN B.V.
72: PAAUWE, Arie Maarten, DESSING, Jacobus Petrus Maria, KEMP, Dennis Christiaan
33: EP 31: 21217322.3 32: 2021-12-23

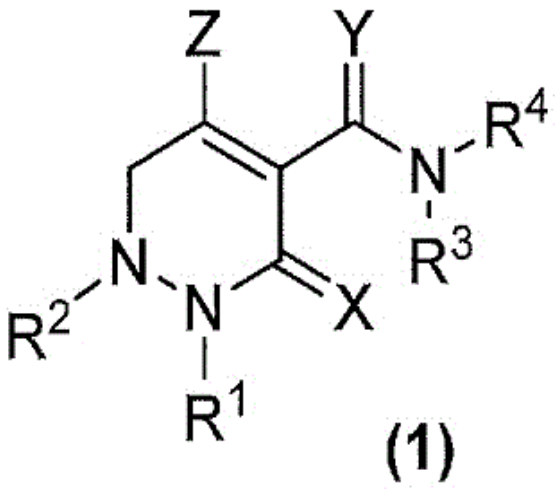
54: COUPLER DEVICE FOR A BEVERAGE DISPENSING SYSTEM

00: -

Coupler device 100 for fluidly connecting a beverage chamber of a beverage container to a beverage dispensing line. The coupler device comprises a beverage conduit 80 extending between an inlet which is configured for being connected to a first dispensing line part attached to the beverage container and an outlet 82 which is configured for being connected a second dispensing line part attached to a dispenser. The beverage conduit 80 includes a horizontally extending beverage conduit section 83 that defines a horizontal flow path for the beverage, wherein, at the beverage conduit section, the coupler device comprises a reflux valve arranged for preventing a reflux flow of beverage through the beverage conduit from the outlet to the inlet of the coupler device. The reflux valve includes a movable valve element 84 which is movable relative to the beverage conduit section along the horizontal flow path for enabling a beverage pressure surge in the dispensing line to travel across the valve.

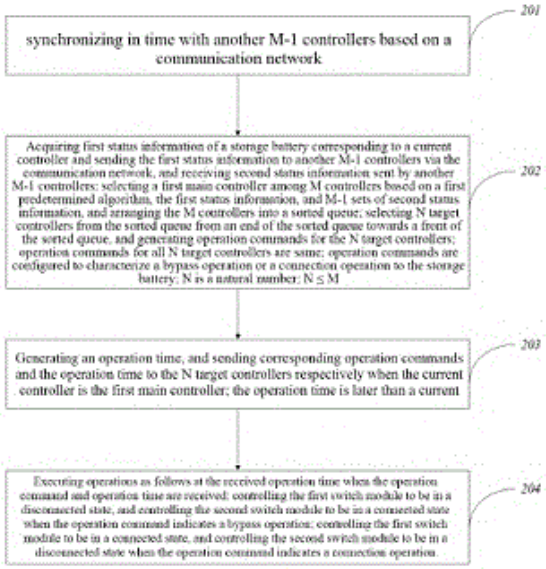


21: 2024/05067. 22: 2024/06/27. 43: 2025/08/08
51: C07D; A01N; A01P
71: NIHON NOHYAKU CO., LTD.
72: ANDO, AKIHIRO, YONEMURA, IKKI, TANAKA, KOJI, YAMADA, TAKAYUKI, TANAKA, RYOSUKE, FUJITA, NAOYA, YOKOI, TAIKI, YAMADA, HIROTO, MATSUI, SHUNSUKE, OIKAWA, HINOKI
33: JP 31: 2021-214987 32: 2021-12-28
54: ARYLTETRAHYDROPYRIDAZINE DERIVATIVE OR SALT THEREOF AND INSECTICIDAL AGENT CONTAINING THE COMPOUND AND METHOD FOR USING SAME
00: -
For example, in agricultural and horticultural crop production, pests, etc. still cause heavy damage, and there is a demand for the development of novel agricultural and horticultural insecticidal agents due to factors such as the emergence of pests resistant to existing drugs. The present invention has found that a compound represented by the general formula (1) wherein X and Y each represent an oxygen atom or a sulfur atom, Z represents a hydroxyl group or the like, R^1represents an alkoxycarbonyl group or the like, R^2represents a substituted phenyl group or the like, R^3represents a hydrogen atom or the like, and R^4represents a substituted phenyl group or the like, or a salt thereof exhibits a high insecticidal effect on pests, etc. in the agricultural and horticultural field, and provides an agricultural and horticultural insecticidal agent comprising the same as an active ingredient and a method for using the same.

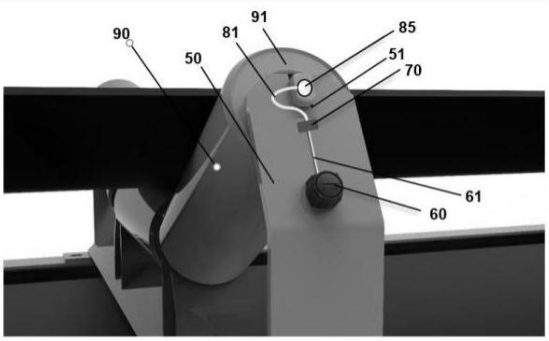


(1)

21: 2024/05069. 22: 2024/06/27. 43: 2025/08/05
51: H04L; H02J
71: ALPHA ESS CO., LTD.
72: SI, XIULI, LIU, XIONGJIANG, ZHU, SONGHUA, SUN, LIYAN, JIANG, SIWEI, ZHANG, HAIYAN
33: CN 31: 202210806591.6 32: 2022-07-08
54: ENERGY STORAGE SYSTEM, CONTROL METHOD THEREOF, DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM
00: -
The present application provides an energy storage system, control method thereof, device, electronic equipment, and storage medium. The energy storage system comprises multiple interconnected battery devices and a communication network, where a battery device comprises a positive electrode and a negative electrode, and a battery device comprises a storage battery, a controller, and first and second switch modules; and multiple controllers are configured to communicate via the communication network; a positive pole of the storage battery is connected to a first terminal of the first switch module, the positive electrode and a first terminal of the second switch module are connected to a second terminal of the first switch module, and a second terminal of the second switch module is connected to a negative pole of the storage battery; the controller is configured to control connection and disconnection between the first and second terminals of the first switch module and connection and disconnection between the first and second terminals of the second switch module. The multiple battery devices can simultaneously perform disconnection and connection operations.



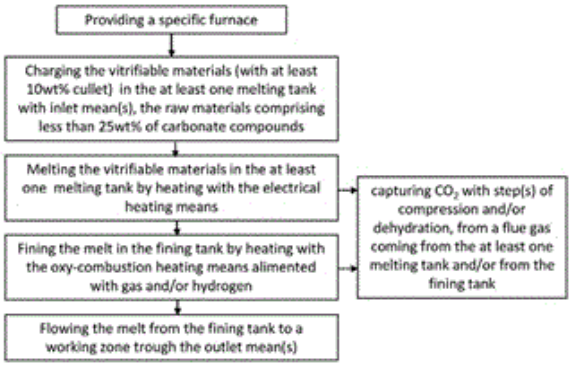
21: 2024/05100. 22: 2024/06/28. 43: 2025/10/02
51: B65G
71: BOSCH SOLUÇÕES INTEGRADAS BRASIL LTDA
72: CARRIL PUIG, Tiago, BASSO BRANDANI, Bruno
33: BR 31: 1020210261544 32: 2021-12-22
54: ARRANGEMENT AND METHOD FOR AUTOMATICALLY DETECTING ROLLER REPLACEMENT IN BELT CONVEYORS
00: -
Problem to be solved: Provide a solution for automatic detection of roller exchange for belt conveyors; Solving the problem: an arrangement is provided that includes at least one support structure 50 supporting rollers 90, said support structure 50 including various re-cesses 51 where respective axes of the rollers 90 are mounted, which are associat-ed with a sensitive element 85 associated with a respective processing module 60, said sensitive element 85 arranged at one end 91 of the respective roller 90, juxta-posed to the respective recess 51 to which the respective roller axis is bearing 90; respective processing module 60 is arranged in the respective support structure 50; said sensitive element 85 includes a first electrical conductor 81 capable of electrical-ly connecting to the electrical connector 70, which is operatively associated with the processing module 60, said electrical connector 70 being fixed to the respective sup-port structure 50.



21: 2024/05124. 22: 2024/06/28. 43: 2025/08/06
51: A61P; C07K; A61K
71: UNIVERSITÄT BASEL, CIMEIO THERAPEUTICS AG
72: URLINGER, STEFANIE, JEKER, LUKAS, LEPORE, ROSALBA, MATTER MARONE, ROMINA, CAMUS, ANNA, SINOPOLI, ALESSANDRO, DURZYNSKA, IZABELA, HAYDN, ANNA, DEVAUX, ANNA, GARAUDE, SIMON
33: EP 31: 21217465.0 32: 2021-12-23
54: DISCERNIBLE CELL SURFACE PROTEIN VARIANTS OF CD45 FOR USE IN CELL THERAPY
00: -
The present disclosure relates to the use of cells having discernible surface protein with engineered or naturally occurring mutation(s) but functional surface protein for use in therapy. The present invention also relates to the use of cells having discernible CD45 surface protein variants but functional surface protein for use in therapy, in particular adoptive cell therapy.

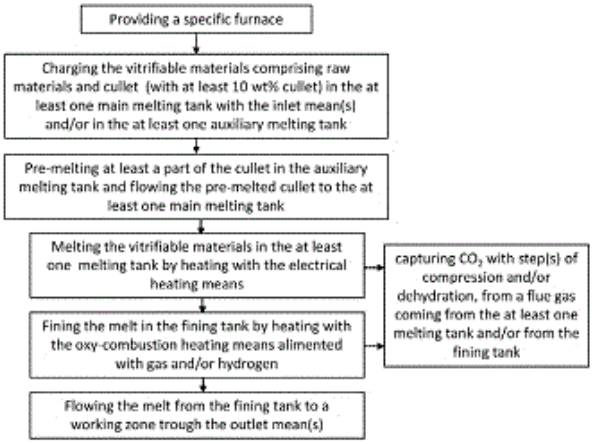
21: 2024/05144. 22: 2024/07/01. 43: 2025/08/12
51: C03B; C03C; F23J; F27D
71: AGC GLASS EUROPE
72: BIOUL, FRANÇOIS, SYMOENS, BRUNO, BOURGEOIS, NICOLAS, HABIBI, ZAKARIA, FASILOW, FABRICE
33: EP 31: 21212215.4 32: 2021-12-03
54: GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION
00: -
The present invention concerns a process for melting vitrifiable materials to produce flat glass, comprising the steps of (i) providing a furnace comprising at least one melting tank with electrical heating means, a fining tank with oxy-combustion heating means, a neck separating melting tank and

fining tank, inlet mean(s) located at said melting tank and outlet mean(s) located downstream of the fining tank; (ii) charging the vitrifiable materials comprising raw materials and cullet in said melting tank with the inlet mean(s), the amount of cullet being at least 10% in weight of the total amount of vitrifiable materials and the raw materials comprising less than 25% in weight of carbonate compounds; (iii) melting the vitrifiable materials in said melting tank by heating with the electrical heating means; (iv) fining melt in the fining tank by heating with the oxy-combustion heating means alimented with gas and/or hydrogen; (v) flowing the melt from the fining tank to a working zone trough the outlet mean(s); (vi) capturing CO_2 from flue gas, said flue gas has a CO_2 concentration of at least 35%; the electrical input fraction ranging from 50% to 85% and the step of capturing CO_2 comprising step(s) of compression and/or dehydration. This process shows a very low CO_2 fingerprint and is economically viable.



21: 2024/05145. 22: 2024/07/01. 43: 2025/08/12
51: C03B; C03C; F23J; F27D
71: AGC GLASS EUROPE
72: BIOUL, FRANÇOIS, SYMOENS, BRUNO, BOURGEOIS, NICOLAS, HABIBI, ZAKARIA, FASILOW, FABRICE
33: EP 31: 21212206.3 32: 2021-12-03
54: GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION
00: -

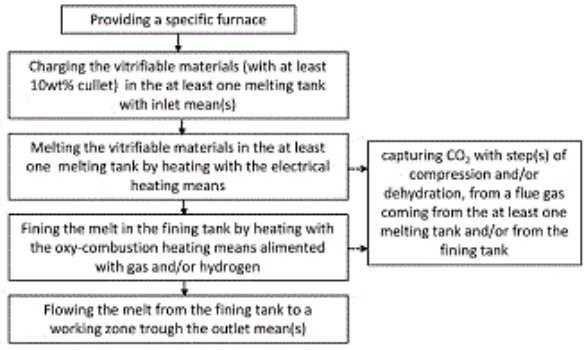
The invention concerns a process for melting vitrifiable materials to produce flat glass, comprising the steps of (i) providing a furnace comprising at least one main melting tank with electrical heating means, at least one auxiliary melting tank, a fining tank with oxy-combustion heating means, a neck separating main melting tank and fining tank, inlet mean(s) located at main melting tank and outlet mean(s) located downstream of the fining tank; (ii) charging the vitrifiable materials comprising raw materials and cullet in main melting tank and/or in auxiliary melting tank, the amount of cullet being at least 10% in weight of the total amount of vitrifiable materials; (iii) pre-melting at least a part of the cullet in the auxiliary melting tank and flowing the pre-melted cullet to the main melting tank, (iv) melting the vitrifiable materials in main melting tank by heating with the electrical heating means; (v) fining melt in the fining tank by heating with the oxy-combustion heating means alimented with gas and/or hydrogen; (vi) flowing the melt from the fining tank to a working zone trough the outlet mean(s); (vii) capturing CO_2 from flue gas, said flue gas has a CO_2 concentration of at least 35%; the electrical input fraction ranging from 50% to 85% and the step of capturing CO_2 comprising step(s) of compression and/or dehydration. This process shows a very low CO_2 fingerprint and is economically viable.



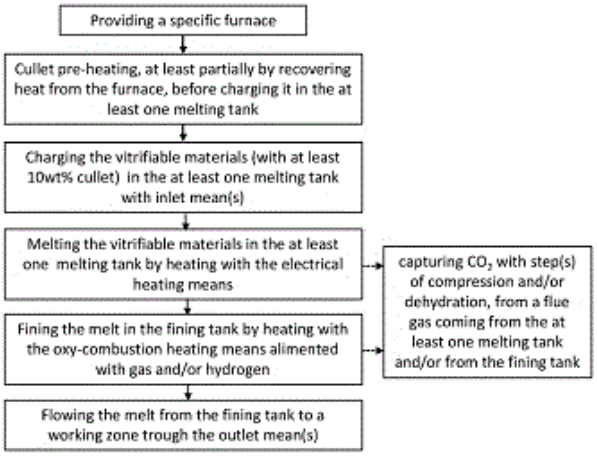
21: 2024/05146. 22: 2024/07/01. 43: 2025/08/12
51: C03B; C03C; F23J; F27D
71: AGC GLASS EUROPE
72: BIOUL, FRANÇOIS, SYMOENS, BRUNO, BOURGEOIS, NICOLAS, HABIBI, ZAKARIA, FASILOW, FABRICE
33: EP 31: 21212176.8 32: 2021-12-03
54: GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION
00: -

The present invention concerns a process for melting vitrifiable materials to produce flat glass, comprising the steps of (i) providing a furnace comprising at least one melting tank with electrical

heating means, a fining tank with oxy-combustion heating means, a neck separating melting tank and fining tank, inlet mean(s) located at said melting tank and outlet mean(s) located downstream of the fining tank; (ii) charging the vitrifiable materials comprising raw materials and cullet in said melting tank with the inlet mean(s), the amount of cullet being at least 10% in weight of the total amount of vitrifiable materials; (iii) melting the vitrifiable materials in said melting tank by heating with the electrical heating means; (iv) fining melt in the fining tank by heating with the oxy-combustion heating means alimented with gas and/or hydrogen; (v) flowing the melt from the fining tank to a working zone trough the outlet mean(s); (vi) capturing CO_2 from flue gas, said flue gas has a CO_2 concentration of at least 35%; the electrical input fraction ranging from 50% to 85% and the step of capturing CO_2 comprising step(s) of compression and/or dehydration. This process shows a very low CO_2 fingerprint and is economically viable.

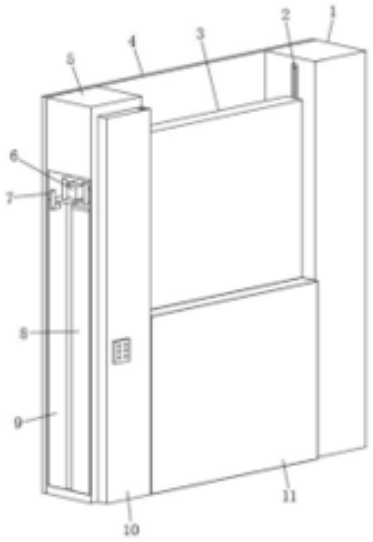


21: 2024/05147. 22: 2024/07/01. 43: 2025/08/12
51: C03B; C03C; F23J; F27D; F23D
71: AGC GLASS EUROPE
72: BIOUL, FRANÇOIS, SYMOENS, BRUNO, BOURGEOIS, NICOLAS, HABIBI, ZAKARIA, FASILOW, FABRICE
33: EP 31: 21212202.2 32: 2021-12-03
54: GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION
00: -
The present invention concerns a process for melting vitrifiable materials to produce flat glass, comprising the steps of (i) providing a furnace comprising at least one melting tank with electrical heating means, a fining tank with oxy-combustion heating means, a neck separating melting tank and fining tank, inlet mean(s) located at said melting tank and outlet mean(s) located downstream of the fining tank; (ii) charging the vitrifiable materials comprising raw materials and cullet in said melting tank with the inlet mean(s), the amount of cullet being at least 10% in weight of the total amount of vitrifiable materials; (iii) cullet pre-heating, at least partially by recovering heat from the furnace, before charging said cullet in the at least one melting tank; (iv) melting the vitrifiable materials in said melting tank by heating with the electrical heating means; (v) fining melt in the fining tank by heating with the oxy-combustion heating means alimented with gas and/or hydrogen; (vi) flowing the melt from the fining tank to a working zone trough the outlet mean(s); (vii) capturing CO_2 from flue gas, said flue gas has a CO_2 concentration of at least 35%; the electrical input fraction ranging from 50% to 85% and the step of capturing CO_2 comprising step(s) of compression and/or dehydration. This process shows a very low CO_2 fingerprint and is economically viable.

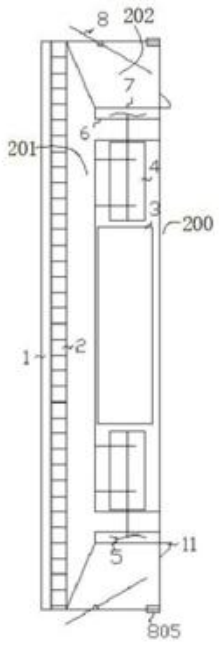


21: 2024/05153. 22: 2024/07/02. 43: 2025/10/10
51: B43L; G09B
71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS, LINGZHI ENVIRONMENTAL CO., LTD
72: ZHU, Zaisheng, WANG, Mingling, CHEN, Hao, XU, Boyu, JIN, Yutao, LI, Xinye, LI, Mofei, LIU, Jia, LV, Xuejiao, LIU, Huiping
54: ENGLISH TRANSLATION TEACHING BOARD
00: -
Disclosed in the present invention is an English translation teaching board which includes a back board, a supporting platform and a mounting column are symmetrically arranged on a front surface of the

back board, and a writing board and a standby board are arranged between the supporting platform and the mounting column. The standby board is positioned at a rear of a top of the writing board, and an automatic cleaning device is arranged in front of the back board. The cleaning device includes: a pressing member on a front surface of the back board, where an automatic cleaning assembly is arranged at a telescopic end of the pressing member; and fixing seats arranged on rear surfaces of the standby board and the writing board, where U-shaped pipes are arranged inside the fixing seats. The cleaning device is composed of the cleaning assembly, the fixing seats and the U-shaped pipes.

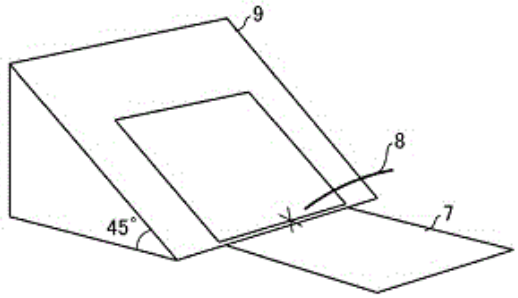


21: 2024/05155. 22: 2024/07/02. 43: 2025/10/10
51: B43L
71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS, LINGZHI ENVIRONMENTAL CO., LTD
72: ZHU, Zaisheng, WANG, Mingling, YE, Longhan, LI, Yan, WANG, Shaobin, HU, Ye, SHEN, Guofu, CHEN, Hao, LV, Xuejiao, LIU, Huiping
54: A BLACKBOARD ERASER
00: -
The present invention relates to a blackboard eraser, which belongs to the field of manufacturing of educational equipment. Two light hollow cup motors are utilized to drive fan blades to generate negative pressure to collect chalk dust wiped by the blackboard eraser, the chalk dust enters a dust collection chamber, and the collected chalk dust is discharged by using a base integrating charging and dust discharging functions. The chalk dust in the dust collection chamber at one side can be unloaded each return, such that strong dust collection capacity can be maintained for a long time.



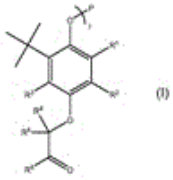
21: 2024/05164. 22: 2024/07/02. 43: 2025/08/12
51: C08J; A61F; B01J
71: NIPPON SHOKUBAI CO., LTD.
72: TSURU, KANAKO, MATSUMOTO, SATOSHI, KITABATA, SACHIE, ISHIZAKI, KUNIHIKO
33: JP 31: 2021-198739 32: 2021-12-07
54: ABSORBENT ARTICLE
00: -
As an absorbent article which is capable of preventing the occurrence of liquid running along a fold line in a state where the absorbent article has the fold line, the present invention provides an absorbent article which sequentially comprises a liquid permeable top sheet, an absorbent that contains a particulate poly(meth)acrylic acid (salt) water absorbent resin having the physical properties (1) to (3) described below, and a liquid impermeable back sheet in this order, wherein the basis weight of the water absorbent resin is 300 to 1,000 g/m^2. (1) The liquid diffusion length (D) in the vertical direction is 15 mm or more. (2) The ratio (L/D) of the liquid diffusion length (L) in the horizontal direction to the liquid diffusion length in the vertical direction is 0.5 to

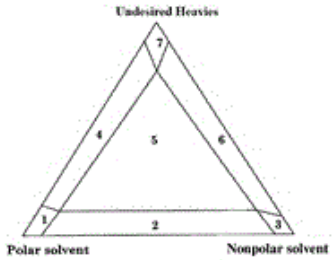
1.5. (3) The bulk density as specified in EDANA ERT 460. 2-02 is 0.68 g/mL or more. en



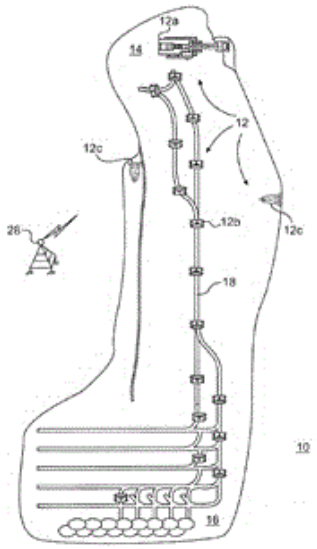
21: 2024/05189. 22: 2024/07/03. 43: 2025/08/26
51: C12P A23K
71: CJ CHEILJEDANG CORPORATION
72: KWON, Min Kyung, SHIN, Jihyun, KIM, Jong Hyun, PARK, Sang Min, KANG, Ji-hun, KIM, Min Sup
33: KR 31: 10-2021-0187593 32: 2021-12-24
54: METHOD FOR PREPARING AMINO ACID–CONTAINING PRODUCTS FROM FERMENTATION BROTH
00: -
The present application relates to a method for preparing amino acid granules from a fermented solution, wherein the prepared amino acid granules are free of fungus.

21: 2024/05190. 22: 2024/07/03. 43: 2025/08/12
51: B01J; C07C
71: DOW TECHNOLOGY INVESTMENTS LLC
72: LAROCHE, CHRISTOPHE R
33: US 31: 63/265,512 32: 2021-12-16
54: COMPOUNDS, TRANSITION METAL COMPLEX HYDROFORMYLATION CATALYST PRECUROR COMPOSITIONS COMPRISING SUCH COMPOUNDS, AND HYDROFORMYLATION PROCESSES
00: -
The present disclosure relates generally to compounds, to transition metal complex hydroformylation catalytic precursor compositions, and to processes for separating one or more heavies from a hydroformylation reaction product fluid in hydroformylation processes comprising a metal-monophosphite ligand complex catalyst. In one aspect, the present disclosure relates to a compound of the following formula (I): (I) wherein R1-R5 are the same or different and are H or an alkyl moiety, wherein R6 is H, alkyl, aryl, O-R7, -N(R8)2 and O(CH2CH2)yGOLD8 moieties, wherein R7 is an alkyl or an aryl moiety, and wherein R8 is H, alkyl, or aryl moieties.

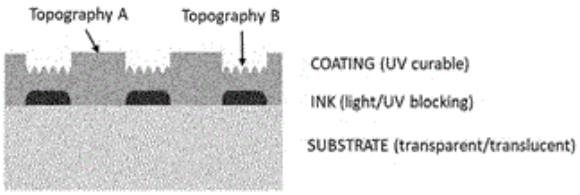




21: 2024/05191. 22: 2024/07/03. 43: 2025/08/12
51: B60L
71: CATERPILLAR INC.
72: VITALE, ANDREW J
33: US 31: 17/569,511 32: 2022-01-06
54: SYSTEMS AND METHODS FOR QUEUE MANAGEMENT OF MACHINES BASED ON BATTERY-RELATED CHARACTERISTICS
00: -
Systems and methods can position or provide a mobile machine (12bx) in a queue (19) of a plurality of the mobile machines (12b) such that an estimated future amount of energy of an energy source if the mobile machine (12bx) is at or above a required amount of energy of the energy source to complete a predetermined task after the mobile machine (12bx) reaches an end of the queue (19). Such positioning or providing can include or be moving the mobile machine (12bx) up or forward in the queue (19) from a condition where the estimated future amount of energy of the energy source is less than the required amount of energy of the energy source to complete the predetermined task after the mobile machine (12bx) reaches the end of the queue (19).



21: 2024/05197. 22: 2024/07/03. 43: 2025/08/12
51: B44C; B44F
71: CHIYODA EUROPA
72: SYMKENS, STEFAN
33: EP 31: 21212520.7 32: 2021-12-06
54: A DECORATIVE SHEET AND METHOD FOR MANUFACTURING
00: -
The present invention provides a decorative sheet comprising:- an at least partially UV or visible light irradiation transparent carrier sheet;- a decorative ink pattern, said ink being at least partially UV or visible light irradiation blocking; - a top coating comprising UV or visible light irradiation curable material and having a top surface comprising first surface areas having a surface texture A and second surface areas having a surface texture B, said surface texture B being different from the surface texture A and being in alignment with the decorative ink pattern. Further, the present invention provides a decorative panel comprising a substrate and a decorative top layer consisting of such decorative sheet. The present invention also provides a method of manufacturing a decorative sheet having a textured surface comprising the steps of: - providing an at least partially UV or visible light irradiation transparent carrier sheet; -printing a decorative ink pattern on at least part of the upper or rear side of the carrier sheet, said ink being at least partially UV or visible light irradiation blocking; -providing a UV or visible light irradiation curable coating on the upper side of the carrier sheet; -partially curing the UV or visible light irradiation curable coating by exposing it to UV or visible light irradiation through the rear side of the carrier sheet. In addition, a method for manufacturing a decorative panel using said method is provided.



21: 2024/05199. 22: 2024/07/03. 43: 2025/08/12
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, HIBARE, SUJITKUMAR SURESH, KOHLI, GURPREET SINGH, MANNA, SUBHAJIT
33: EP 31: 22154010.7 32: 2022-01-28
54: LAUNDRY COMPOSITION
00: -
The present invention relates to a solid detergent composition, particularly to a solid laundry detergent composition having good biodegradability. As can be seen from the prior art there is still a need to provide a solid detergent composition having both good biodegradability and which provides good cleaning performance while maintaining powder properties and addressing ashing issues. It is thus an object of the present invention to provide a solid laundry detergent composition which has good biodegradability. It is another object of the present invention to provide a laundry detergent composition which provides fabric care benefits while maintaining good cleaning performance. The present inventors have surprisingly found that combining biodegradable antiredeposition agent along with specific low levels of copolymer of acrylate and maleate provides for significantly reduce ashing on the laundered fabrics while delivering similar antiredeposition benefits as a conventional laundry detergent composition having higher levels of copolymer of acrylate and maleate. The composition was also found to provide good biodegradability.

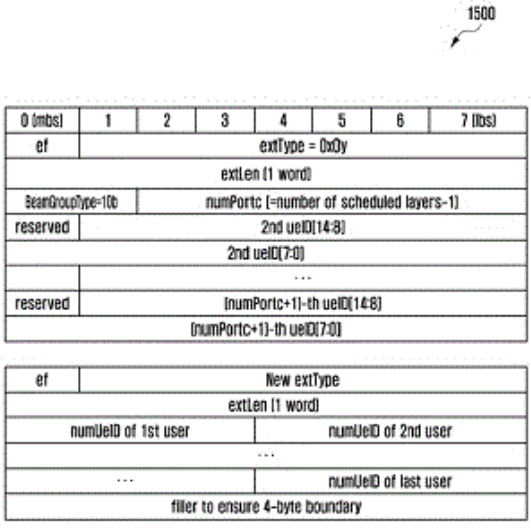
21: 2024/05215. 22: 2024/07/04. 43: 2025/08/12
51: H04B
71: SAMSUNG ELECTRONICS CO., LTD.

72: KIM, JONGHWAN, SHIM, SEIJOON, OH, JONGHO, HA, KILSIK
33: KR 31: 10-2021-0014497 32: 2021-02-02
33: KR 31: 10-2020-0120102 32: 2020-09-17

54: TRANSMISSION METHOD AND APPARATUS FOR MIMO SYSTEM

00: -

A communication technique for convergence between an IoT technology and a 5th generation (5G) communication system for supporting a higher data transmission rate beyond a 4th generation (4G) system, and a system thereof is provided. The method includes intelligence services (for example, smart homes, smart buildings, smart cities, smart cars or connected ca healthcare, digital education, retail businesses, security and safety related services, and the like.) On the basis of a 5G communication technology and an IoT-related technology. A method includes determining a scheduling-related parameter for at least one user, and transmitting scheduling information indicating the scheduling-related parameter to a radio unit (RU), wherein the scheduling information includes a first section extension field including information relating to a user equipment identifier (ueID) related to the at least one user, and a second section extension field including information relating to a number of ueIDs corresponding to each user.

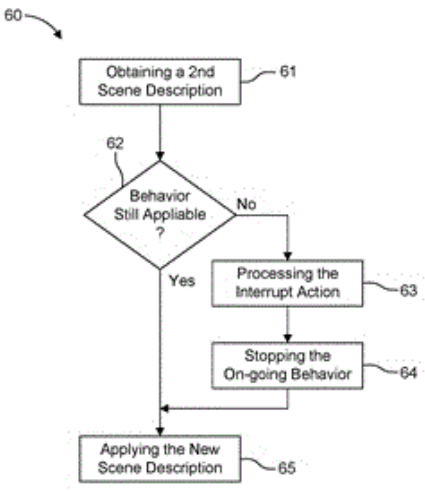


21: 2024/05268. 22: 2024/07/05. 43: 2025/08/12
51: G06F; G06T
71: INTERDIGITAL CE PATENT HOLDINGS, SAS
72: HIRTZLIN, PATRICE, JOUET, PIERRICK, ALLEAUME, VINCENT, LELIEVRE, SYLVAIN, FONTAINE, LOIC
33: EP 31: 22305024.6 32: 2022-01-12

54: METHODS AND DEVICES FOR INTERACTIVE RENDERING OF A TIME-EVOLVING EXTENDED REALITY SCENE

00: -

An extended reality scene description is provided comprising relationships between real and virtual objects and interactive triggering and processing of the extended reality scene; An extended reality system can read the scene description and run a corresponding extended reality application. The scene description comprises a scene graph structuring descriptions of the real and virtual objects which may be linked to media content items. It also comprises of behavior metadata items describing how a user can interact with the scene objects at runtime. Method and devices are disclosed to manage the behaviors comprising triggers and actions and to manage the on-going behaviors when a second scene description is received.



21: 2024/05275. 22: 2024/07/05. 43: 2025/08/12
51: C01B
71: PRAYON
72: HEPTIA, BERNARD, HALLEUX, HUBERT, GABRIEL, DAMIEN
33: BE 31: 2021/6073 32: 2021-12-27

54: METHOD FOR PURIFICATION OF AT LEAST ONE AQUEOUS SOLUTION OF PHOSPHORIC ACID

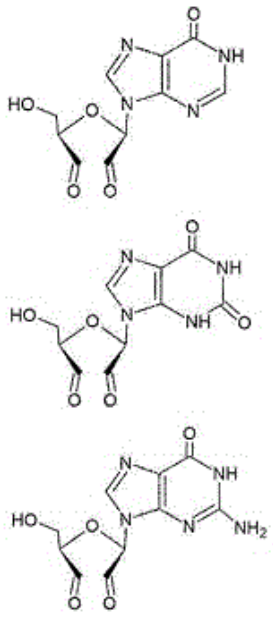
00: -

The present invention concerns a method for purifying at least one aqueous solution of phosphoric

acid continuously, comprising at least: providing, in at least one vessel, at least one solution AP derived from at least one phosphoric acid obtained by a process for wet-chemical production of phosphoric acid, said solution in said vessel being at a temperature between 65°C and 98°C, and said solution AP comprising before said step 1: between 50% and 63% by weight of P_2O_5 and between 0.1% and 0.5% by weight of SO_3; adding barium carbonate to said vessel, said barium carbonate having a specific particle size distribution which allows for effective flow of the barium carbonate while allowing it to have good reactivity.

21: 2024/05276. 22: 2024/07/05. 43: 2025/08/12
51: C12P; A61K; C07H
71: FRIESLANDCAMPINA NEDERLAND B.V.
72: CAO, LINQIU, GADELLAA, MIREILLE MARIA
33: EP 31: 22161688.1 32: 2022-03-11
54: ENZYMATIC PROCESS FOR THE PREPARATION OF LACTULOSE
00: -
The invention relates to an enzymatic process for the preparation and purification of lactulose starting from lactose using cellobiose-2-epimerase (EC 5.1.3.11) followed by converting lactose to monosaccharides using lactase (EC 3.2.1.108) or to galacto-oligosaccharides using a beta-galactosidase (EC 3.2.1.23) and removing the monosaccharides, thereby resulting in a lactulose product containing, based on carbohydrate weight, at least 90 wt% lactulose, less than 1 wt% lactose, and a weight ratio of lactulose/epilactose >_ 10.

21: 2024/05277. 22: 2024/07/05. 43: 2025/08/12
51: A61K; A61P; A23L; A23K
71: CJ CHEILJEDANG CORPORATION
72: MOON, HO JIN, KIM, YOUNG NAM, LEE, NA-RA, LEE, CHANGSUK, CHO, AH REUM
33: KR 31: 10-2021-0185397 32: 2021-12-22
33: KR 31: 10-2022-0101489 32: 2022-08-12
54: ANTIVIRAL COMPOSITION COMPRISING NUCLEOSIDE ANALOGUES DERIVED FROM NUCLEIC ACID AND PHARMACEUTICALLY ACCEPTABLE SALT THEREOF
00: -
The present application relates to an antiviral composition comprising nucleoside analogues derived from a nucleotide, and a composition, a feed or a feed additive for enhancing immunity.



21: 2024/05279. 22: 2024/07/05. 43: 2025/08/12
51: C07D; A61K; A61P
71: VORONOI INC.
72: KO, YIKYUNG, LEE, YEONGDEOK, IM, HYERIM, KIM, KYUNEUN, HWANG, DONGKEUN, HAN, AHREUM, NAM, SUBEEN, HEO, MYUNGHOE, CHO, SERIN, LEE, SEUNGJU, KO, EUNHWA, CHOI, HWANGEUN, KIM, SUNGHWAN, KIM, DAEKWON
33: KR 31: 10-2022-0042193 32: 2022-04-05
54: HETEROARYL DERIVATIVE AND USE THEREOF
00: -
The present invention relates to a heteroaryl derivative and use thereof. The heteroaryl derivative represented by chemical formula (I) and a pharmaceutical composition including same effectively suppress HER2 activity, and thus are useful for the treatment or prevention of HER2-related diseases.

21: 2024/05280. 22: 2024/07/05. 43: 2025/08/12
51: A61K; A61P
71: METRIOPHARM AG
72: BRYSCH, WOLFGANG, BREMBECK, FELIX, SCHUMANN, SARA, VON WEGERER, JÖRG
33: EP 31: 22000008.7 32: 2022-01-07
54: USE OF 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE IN THE TREATMENT OF CONGENITAL MUSCULAR DYSTROPHIES
00: -

The present invention relates to the use of 5-amino-2,3-dihydro-1,4-phthalazinedione or one of its pharmaceutically acceptable salts in the treatment of congenital muscular dystrophies, especially Duchenne muscular dystrophy or Becker muscular dystrophy. The invention relates in particular to the use of 5-amino-2,3-dihydro-1,4-phthalazinedione sodium salt for said purposes. Also a pharmaceutical combination of 5-amino-2,3-dihydro-1,4-phthalazinedione or one of its pharmaceutically acceptable salts and a glucocorticoid for use in these indications is disclosed. Pharmaceutical compositions, advantageous formulation techniques and a method of treatment are disclosed.

21: 2024/05310. 22: 2024/07/08. 43: 2025/08/12
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, SUBRAHMANIAM, NARAYANAN
33: EP 31: 22156573.2 32: 2022-02-14

54: LAUNDRY COMPOSITION

00: -

The present invention relates to a solid laundry detergent composition, more specifically to laundry detergent composition comprising low levels of alkaline builders. It is an object of the present invention to provide a solid laundry detergent composition having low carbonate levels and low silicate levels which gives good solubility profile, good cleaning profile, good stability profile, good fabric care profile and good freshness profile. The present inventors have surprising found that the fabric care benefits and stain removal performance of solid laundry detergent composition having low carbonate levels and low silicate levels can be achieved by a composition having anionic surfactant together with specific levels of nonionic homopolymers selected from the group consisting of polyethylene glycol, polypropylene glycol, polybutylene glycol or mixtures thereof and specific levels of amphoteric surfactant.

21: 2024/05311. 22: 2024/07/08. 43: 2025/08/12
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BISWAS, SARMISTHA, SANKAR, RACHANA, SARKAR, ARNAB, SARKAR, SUBHAJIT
33: EP 31: 22156470.1 32: 2022-02-14

54: A CONCENTRATED LIQUID COMPOSITION PREMIX

00: -

The present invention is in the field of cleaning compositions, particularly it relates to a concentrated liquid composition premix for providing a liquid detergent on dilution in water. There is a need for an improved concentrated liquid composition premix providing a liquid detergent on dilution in water, wherein the liquid detergent has one or more attributes comparable to conventional liquid detergents available in market. The present invention provides a composition premix comprising 30 to 90% wt., an alkoxylated polyol polyester comprising at least three alkoxylates and at least two C8 to C40 fatty acid ester; and a C4 to C18 fatty alcohol. The composition premix provides a liquid detergent on dilution in water, which has a viscosity comparable or higher than the composition premix and it is similar to conventional liquid detergents. The present invention further provides a liquid detergent obtained from the composition premix and a process of providing a liquid detergent from the composition premix.

21: 2024/05312. 22: 2024/07/08. 43: 2025/08/12
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BISWAS, SARMISTHA, SANKAR, RACHANA, SARKAR, ARNAB
33: EP 31: 22156472.7 32: 2022-02-14

54: A CONCENTRATED LIQUID COMPOSITION PREMIX

00: -

The present invention is in the field of cleaning compositions, particularly it relates to a concentrated liquid composition premix for providing a liquid detergent on dilution in water. There is a need for an improved concentrated liquid composition premix providing a liquid detergent on dilution in water, wherein the liquid detergent has one or more attributes comparable to conventional liquid detergents available in market. The present invention provides a composition premix comprising 30 to 90% wt. anionic surfactant with ammoniacal counterion and an alkoxylated polyol polyester comprising at least three alkoxylates and at least two C8 to C40 fatty acid ester. The composition premix provides a liquid detergent on dilution in water, which has a viscosity comparable or higher than the

composition premix and it is similar to conventional liquid detergents. The present invention further provides a liquid detergent obtained from the composition premix and a process of providing a liquid detergent from the composition premix.

21: 2024/05313. 22: 2024/07/08. 43: 2025/08/12
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: DAMODARAN, ANITA, MATHAPATHI, MRUTHYUNJAYA SWAMY, VENKATESH, SATISH KUMAR
33: EP 31: 22155751.5 32: 2022-02-09
54: A SKIN BRIGHTENING COMPOSITION
00: -
The present invention relates to a personal care composition which brightens skin. It more particularly relates to a topical composition which is effective against hyperpigmentation. This is achieved by including in a topical composition hydroxystearic acid (HSA) and tetrahydroxypropyl ethylenediamine (THPE). The efficacy is further enhanced by inclusion of niacinamide.

21: 2024/05345. 22: 2024/07/09. 43: 2025/08/12
51: H02G; H01R
71: CMP PRODUCTS LIMITED
72: BIRRELL, IAIN, FRIZZELL, LEE
33: EP 31: 22201984.6 32: 2022-10-17
54: CLAMPING DEVICE FOR CABLE CONNECTOR ASSEMBLY
00: -
A clamping device for clamping an armour layer (10) of a cable (4) in a cable gland is disclosed. An insert (16) comprises an aperture (20) for receiving an inner part of the cable (4) and clamping portions (22) define respective first clamping surfaces (24) and second clamping surfaces (26). A clamping ring (18) co-operates with the insert (16) to clamp the armour layer (10) between the insert (16) and the clamping ring (18), and has recesses (52, 54). The clamping portions (22) are displaceable towards the cable (4) extending through the aperture (20) as a result of clamping of the armour layer (10) between the insert (16) and the clamping ring (18) such that the armour layer (10) is clamped between the first clamping surfaces (24) and the clamping ring (18) and/or between the second clamping surfaces (26) and a recess (52, 54) receiving part of the second clamping surfaces (26).

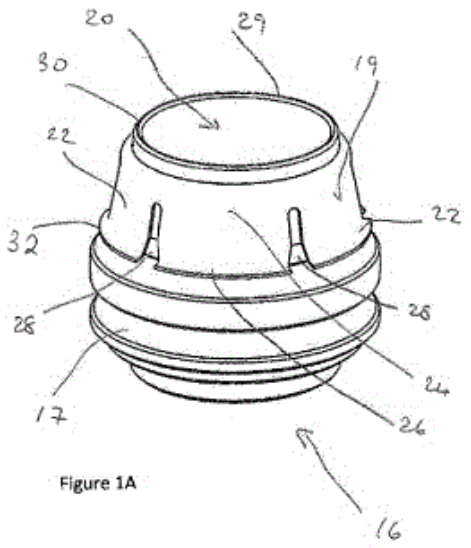
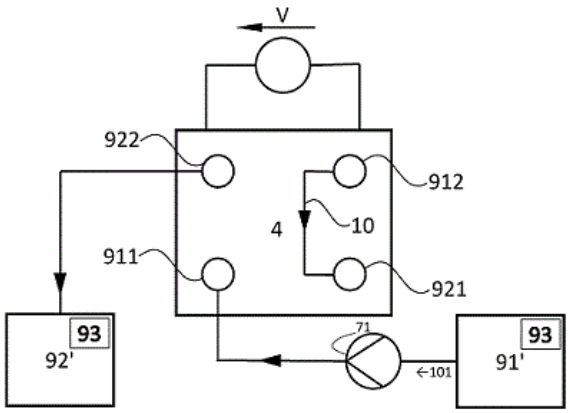


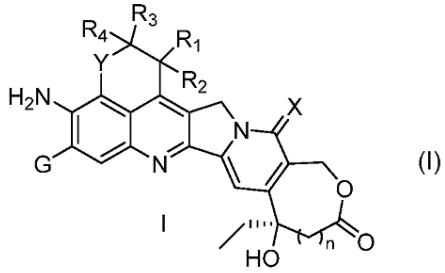
Figure 1A

21: 2024/05365. 22: 2024/07/10. 43: 2025/08/26
51: H01M
71: ENEROX GMBH
72: MARDILOVICH, Pavel, POKORNY, Peter
33: AT 31: A51006/2021 32: 2021-12-15
54: PURIFYING METHOD FOR AN ELECTROLYTE LIQUID OF A REDOX FLOW BATTERY
00: -
In order to efficiently reduce the concentration of contaminants in an electrolyte liquid suitable for a redox flow battery, the electrolyte liquid (101), after passing through the negative half cells of the single cell stack (4) or of the several cell stacks, passes through positive half cells of the single cell stack or of the several cell stacks of the redox flow battery purifier (1), without passing through a second tank, via a connecting device (10) that interconnects the negative half cells and the positive half cells of a cell stack.



21: 2024/05367. 22: 2024/07/10. 43: 2025/08/26
51: C01B A61K A61Q C09C
71: EVONIK OPERATIONS GMBH
72: GALLIS, Karl, W., SINCLAIR, Fitzgerald, A., NASSIVERA, Terry, W., DARSILLO, Michael, S., LUNDQUIST, Eric, G.
33: US 31: 63/291,590 32: 2021-12-20
33: EP 31: 22160705.4 32: 2022-03-08
54: PRECIPITATED SILICA AND METHODS THEREOF
00: -
The present disclosure relates to precipitated silicas characterized by a primary particle size mean of greater than 80 nm, a BET surface area of 10-40 m²/g, a total mercury intruded volume of 0.75- 2.00 cc/g and an oil absorption of 60-120 cc/100g. The inventive silica is produced by a process comprises (a) continuously feeding an acid and an alkali metal silicate or alkaline earth metal into a liquid medium at a silicate addition rate V1 and a temperature 70-96°C with stirring to form the silica particles, (b) stopping the feed of alkali metal silicate or alkaline earth metal silicate and acid and then increasing the temperature to 90 to 100°C with stirring, (c) adding an alkali metal silicate or alkaline earth metal silicate and an acid with stirring, wherein the silicate addition rate is 1 to 40 % of the silicate addition rate V1 and the pH value of 9.0 to 10.0 is kept constant during the addition of the alkali metal silicate or alkaline earth metal silicate, by adjusting the acid rate, (d) stopping the addition of alkali metal silicate or alkaline earth metal silicate and adding acid with stirring until the pH of 5.0 to 7.0 is reached. The inventive precipitated silica is used in cosmetics, anti-caking free/flow, food, carrier applications, dentifrice and mouthwash.

21: 2024/05368. 22: 2024/07/10. 43: 2025/08/26
51: C07D A61K A61P
71: MABWELL (SHANGHAI) BIOSCIENCE CO., LTD., JIANGSU MABWELL HEALTH PHARMACEUTICAL R&D CO., LTD.
72: ZHOU, Wei, XU, Hui, ZHU, Huikai, WANG, Zhenzhen, TAN, Xiaoding
33: CN 31: 202111544686.7 32: 2021-12-16
54: CAMPTOTHECIN COMPOUND AND CONJUGATE THEREOF
00: -
Provided is a camptothecin compound, which is a compound represented by structural formula I or a pharmaceutically acceptable salt, stereoisomer, solvate or prodrug thereof. An antibody-drug conjugate comprising the camptothecin compound is also provided.



(I)

I

21: 2024/05370. 22: 2024/07/10. 43: 2025/08/26
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: JUNG, Hwi-Min, RHO, Jin Ah, SIM, Hee-jin, PARK, Hye Min
33: KR 31: 10-2021-0193961 32: 2021-12-31
54: O-PHOSPHOSERINE-PRODUCING MICROORGANISM, AND METHOD FOR PRODUCING O-PHOSPHOSERINE OR L-CYSTEINE BY USING SAME
00: -
The present application relates to: a microorganism in which erythronate-4-phosphate dehydrogenase protein activity is weakened; a method for producing O-phosphoserine, cysteine, and a cysteine derivative by using same; an O-phosphoserine-producing composition comprising the microorganism; and uses, of the microorganism, for producing O-phosphoserine, cysteine, and a cysteine derivative.

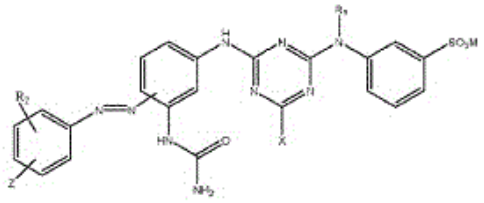
21: 2024/05387. 22: 2024/07/10. 43: 2025/08/12
51: C09B; C09D; D06P

71: ARCHROMA (SWITZERLAND) GMBH
72: CHRISTNACHER, HUBERT, EHRET, FANNY, NICOLLET, MICHAEL, GRACIET, JEAN-CHRISTOPHE, ROENTGEN, GEORG
33: EP 31: 22153149.4 32: 2022-01-25
33: EP 31: 22172397.6 32: 2022-05-09

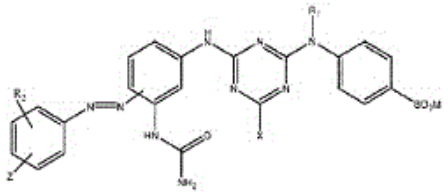
54: ISOMERIC MIXTURE OF REACTIVE DYES AND THEIR USE FOR THE DYEING OR PRINTING OF TEXTILE FIBRE MATERIALS

00: -

The present invention relates to the field of isomeric mixture of reactive dyes that are suitable for the dyeing or printing of nitrogen-containing or hydroxy-group-containing fibre materials and yield on such materials dyeings or prints having a good build-up behaviour, a high fixation rate, good washing off properties of the unfixed dyes and good all-round fastness properties, as well as a good stability to various dyeing parameters such as a good bath stability. Furthermore, the present invention relates to a process for dyeing or printing of nitrogen-containing or hydroxy-group-containing fibre materials, wherein the isomeric mixture of reactive dyes according to the invention is used. The isometric mixture of the present invention comprises at least an isomer of formula (Ia) and an isomer of formula (Ib).



(Ia)



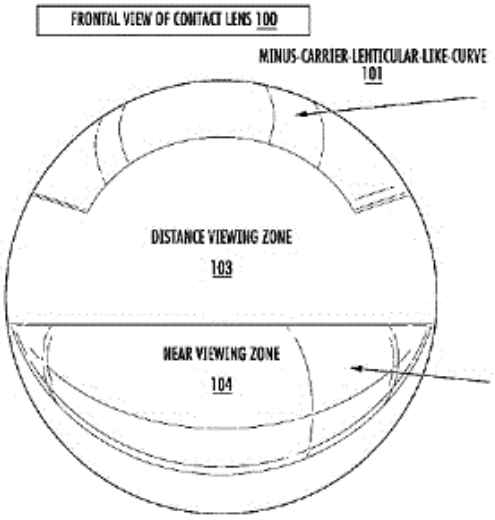
(Ib)

21: 2024/05397. 22: 2024/07/11. 43: 2025/08/12
51: G02C
71: OHIO STATE INNOVATION FOUNDATION
72: BAILEY, MELISSA D, BARR, JOSEPH T
33: US 31: 15/274,159 32: 2016-09-23

54: CONTACT LENS COMPRISING A LENTICULAR IN A SUPERIOR PORTION OF THE CONTACT LENS

00: -

Disclosed herein is a contact lens comprising a lenticular in a superior portion of the contact lens wherein the contact lens attaches to an upper eyelid of a wearer by the lenticular interacting with an upper tarsal plate of the upper eyelid of a wearer, said interaction allows the contact lens to translate upwards in downgaze and maintain rotational stability. In one aspect, the lenticular has a top surface, said top surface having a shape selected from the group consisting of flat, flat with rounded corners, concave, convex or tapered having a thicker portion closer to an edge of the contact lens, or combinations thereof. In another aspect, the lenticular is comprised of a plurality of lenticular sections. In yet another aspect, the lenticular is anatomically-shaped.



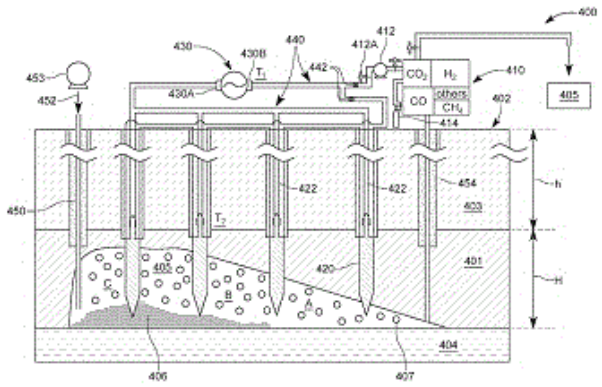
21: 2024/05421. 22: 2024/07/11. 43: 2025/08/12
51: F24T; E21B
71: CGG SERVICES SAS
72: PETER-BORIE, MARIANE, CROSSLEY, ROBERT, DRUMM, ELISHA, POTGIETER, JOHANNES, NORMAN, MAX, WILLIAMS, MARK
33: FR 31: FR2308350 32: 2023-08-01

54: SYSTEM AND METHOD FOR ENERGY AND RESOURCE EXTRACTION WITH REDUCED EMISSIONS

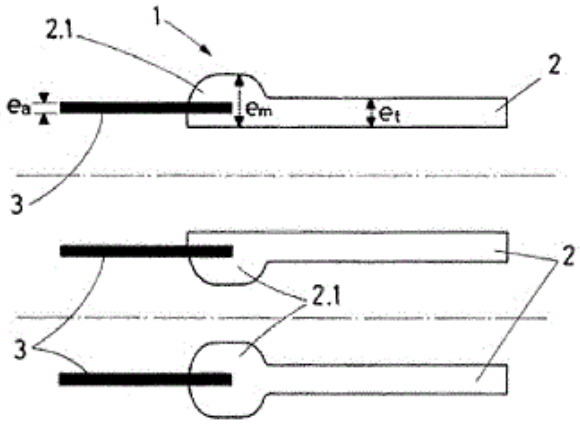
00: -

A heat extraction system (400) for extracting heat from a reservoir, the system including a co-axial tool (420) configured to be placed underground, the co-axial tool (420) having an outer pipe (520) and an inner pipe (510) located within the outer pipe (520),

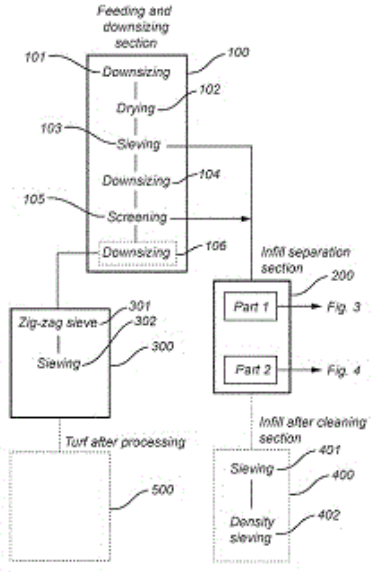
each of the outer pipe (520) and the inner pipe (510) being connected to a shoe (530) so that a fluid flows through an annulus (512) defined by the inner and outer pipes, reaches the shoe (530), and flows through a bore (514) of the inner pipe (510); and a power generator (430) fluidly connected to a chemical processing unit (410) to receive a fluid (422), and also fluidly connected with a first port to the inner pipe (510) and with a second port to the outer pipe (520) of the co-axial tool (420). A temperature difference of the fluid (422) at the power generator (430) and at the co- axial tool (420) drives the power generator (430) to generate energy.



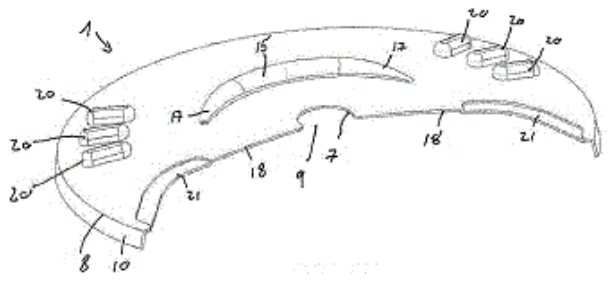
21: 2024/05457. 22: 2024/07/12. 43: 2025/08/15
51: C03C; C03B
71: RIOGLASS SOLAR SCH, SL
72: AINZ IBARRONDO, FÉLIX
33: EP 31: 22382076.2 32: 2022-01-31
54: METHOD FOR THE PRODUCTION OF A GLASS-METAL ATTACHMENT
00: -
The present invention relates to a method for the production of a glass-metal attachment for a solar receiver, the solar receiver comprising a glass tube having a diameter D_t with a thickness e_t and a metal ring with a diameter D_α, and wherein the glass tube comprises two ends, the method comprising the steps of modifying the thickness e_t of the first end of the glass tube to a modified thickness e_m, the modified thickness e_m being greater than the thickness e_t of the first end of the tube, and attaching the metal ring with the first end of the glass tube.



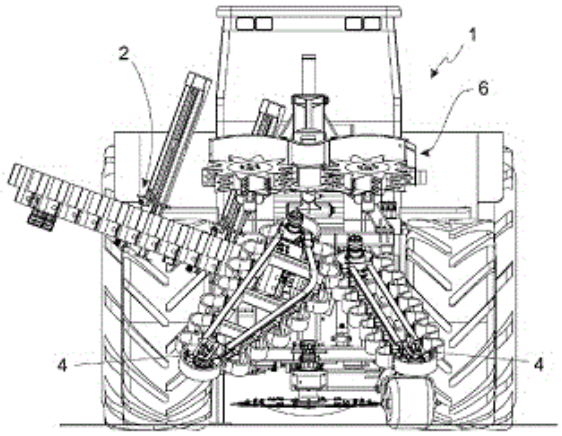
21: 2024/05461. 22: 2024/07/12. 43: 2025/08/15
51: B29B
71: RE-MATCH HOLDING A/S
72: WELLING, MARTIN, DAMHUS, RASMUS D.
33: EP 31: 22150418.6 32: 2022-01-06
54: IMPROVED METHOD AND SYSTEM FOR RECLAIMING THE INDIVIDUAL COMPONENTS OF A SYNTHETIC OR ARTIFICIAL TURF PRODUCT
00: -
The present invention relates to an improved method and system for reclaiming the individual components of a synthetic or artificial turf product in a form almost similar to their original outset. The result is achieved by a method divided in three sections a first section in which the turf is downsized and dried, a second section where infill, such as rubber and sand, is separated and a third section where grass fiber and backing are separated.



21: 2024/05463. 22: 2024/07/12. 43: 2025/08/15
51: B65D
71: BURGSTALLER, PETER
72: BURGSTALLER, PETER
33: AT 31: A 60309/2021 32: 2021-12-14
54: PLATE WITH OPENING AID FOR CANS
00: -
The invention relates to a plate (1) with an opening aid for cans, comprising a lever which is secured to the can by means of a rivet. The plate has an upper and a lower face, a central (7) and a radial (8) edge, and two lateral edges (18), and the lateral edges connect a respective end of the central and radial edge. The plate is slightly curved, and the radial edge extends over a partial circle with an angle of at least 150°, wherein a receiving area (9) for the rivet is provided on the central edge. A respective edge reinforcement (21) can be formed on each of the lateral edges, said edge reinforcement reinforcing the plate. The radial edge is equipped with a groove anchor (10) which forms a sliding rail that is bent down, faces away from the lower face, and engages into a groove of the beverage can. The upper face is equipped with at least one elongated, curved, and approximately sickle-shaped elevation (15) which is arranged such that the elevation can engage with the lever of the can and functions as an opening aid. The elevation has an incline which falls off gradually towards each end thereof, and the elevation runs approximately concentrically to the rivet receiving area and is at least 5 mm long. The upper face is equipped with at least one pushing aid which preferably has at least one knob (20). The corners between the lateral edges and the radial edge form a protrusion in the radial direction and thus form corner flanges (13). The plate is made of metal.



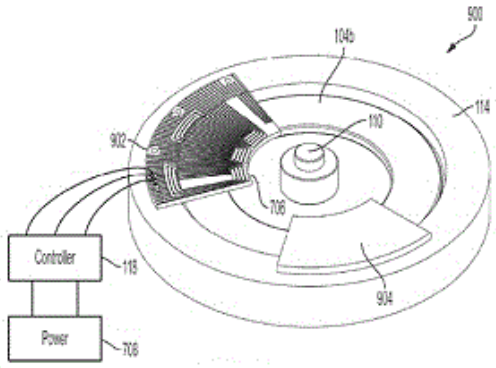
21: 2024/05500. 22: 2024/07/15. 43: 2025/08/15
51: A01D
71: MARCHESAN IMPLEMENTOS E MÁQUINAS AGRÍCOLAS TATÚ S/A
72: SILVEIRA, MARCIO APARECIDO
33: BR 31: BR102021025427-0 32: 2021-12-16
54: WHOLE CANE HARVESTING EQUIPMENT AND RELATED DEVICES
00: -
The present invention relates to whole cane harvesting equipment, in particular equipment used for cutting and aligning whole sugarcane to be used as seedlings to plant adjacent lines of sugarcane crops, comprising one or more devices that achieve greater sensitivity and responsivity for use to cut and align said sugarcane parent lines. The present invention further relates to devices integrated in the above equipment to make its use more flexible, sensitive and responsive.



21: 2024/05501. 22: 2024/07/15. 43: 2025/08/15
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: RAJENDIRAN, GANESAN, SYED, SHAH FAISAL, THIRUMENI, DHANALAKSHMI
33: EP 31: 22156473.5 32: 2022-02-14
54: A FOAMING ACIDIC HARD SURFACE CLEANING COMPOSITION
00: -
The present invention relates to a foaming acidic hard surface cleaning composition which provides a stable cleaning foam in use. The composition comprises: a surfactant selected from cationic surfactant, amphoteric surfactant, nonionic surfactant and combinations thereof; an alkoxylated polyol polyester comprising at least three alkoxylate chains and at least two C8 to C40 fatty acid esters; and an acid selected from hydrochloric acid,

sulfamic acid, tartaric acid, citric acid, malic acid, malonic acid, glycolic acid, maleic, citric, lactic acid, and combinations thereof, wherein the composition is free of anionic surfactant.

21: 2024/05521. 22: 2024/07/16. 43: 2025/08/12
51: H02K; H02P; A63B
71: E-CIRCUIT MOTORS, INC.
72: SHAW, STEVEN ROBERT, MILHEIM, GEORGE HARDER
33: US 31: 63/150,129 32: 2021-02-17
54: PLANAR STATOR CONFIGURATIONS FOR AXIAL FLUX MACHINES
00: -
An apparatus is disclosed, as well as a method for operating the apparatus. The apparatus includes a rotor, a first conductive sheet, a stator structure, a first switch and control circuitry. The rotor is configured to rotate about an axis of rotation and has a magnet that generates a first magnetic flux in an active region. The first conductive sheet is positioned within the active region so that generation of eddy currents within the first conductive sheet imposes a drag force on the rotor. The stator structure has a first winding positioned within the active region. The first switch is configured and arranged to regulate a flow of current through the first winding. The control circuitry is configured to adjust a manner in which the first switch is operated to selectively supplement or selectively counteract the drag force on the rotor.



21: 2024/05569. 22: 2024/07/17. 43: 2025/08/12
51: F16H; B22D
71: WAGSTAFF, INC.
72: THIELMAN, BRETT, CORDILL, CRAIG
33: US 31: 17/649,427 32: 2022-01-31
54: COMPACT FORCE APPLYING DEVICE
00: -
The present invention relates to a system and apparatus for application of force in a compact form factor. An apparatus for application of force includes: a worm gear; a worm wheel gear engaged with the worm gear; a gear shaft coaxial to the worm gear and rotatably coupled to the worm wheel gear; a first threaded hole proximate a first end of the gear shaft; a second threaded hole proximate a second end of the gear shaft opposite the first end; a first threaded shaft received by the first threaded hole; and a second threaded shaft received by the second threaded hole, where the first threaded shaft and the second threaded shaft are configured to advance toward one another and away from one another responsive to rotation of the worm gear.

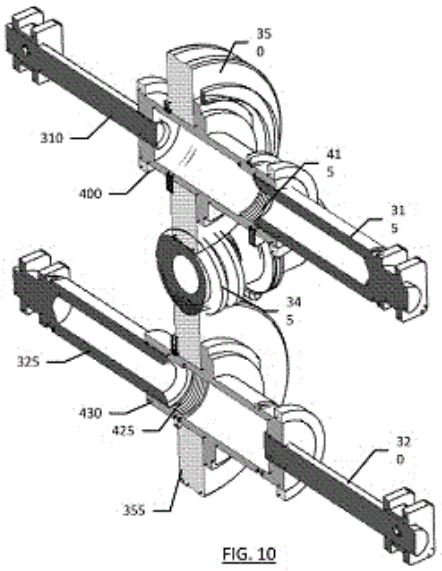


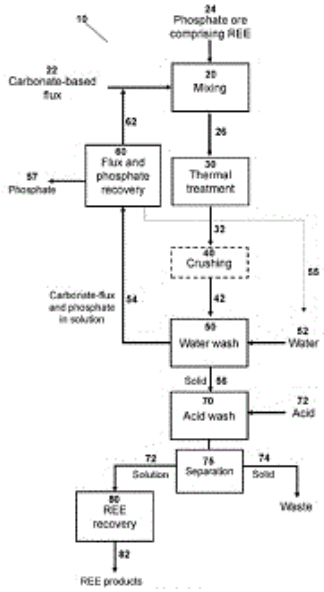
FIG. 10

21: 2024/05601. 22: 2024/07/18. 43: 2025/08/12
51: C01G
71: UMICORE
72: RONDAS, FRANCIS, LUYTEN, JAN, ROOSEN, JORIS, DE MOOR, WANNES, SCHURMANS, MAARTEN
33: EP 31: 21216032.9 32: 2021-12-20
54: PROCESS FOR PREPARING A HIGH-PURITY NICKEL SULPHATE SOLUTION
00: -
The present invention provides a process for preparing a high-purity nickel sulphate solution, comprising the steps of: i. providing an aqueous feed solution comprising nickel, cobalt, calcium and magnesium; ii. extracting cobalt, calcium, and partly magnesium from said aqueous feed solution using a

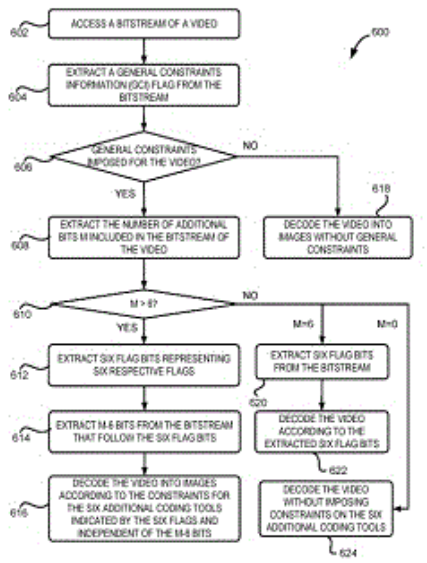
first solvent comprising a first alkylphosphorus-based acidic extractant, thereby obtaining an aqueous raffinate comprising nickel and magnesium; iii. extracting magnesium from said aqueous raffinate solution comprising nickel and magnesium using a second solvent comprising a second alkylphosphorus-based acidic extractant, thereby obtaining a high-purity aqueous nickel sulphate solution comprising nickel and magnesium; iv. stripping the first loaded solvent comprising cobalt, calcium and magnesium with an aqueous solution comprising a mineral acid.

21: 2024/05639. 22: 2024/07/19. 43: 2025/08/12
51: C07D; A61K; A61P
71: CHIESI FARMACEUTICI S.P.A.
72: BASSANETTI, IRENE, AMADEI, FRANCESCO
33: EP 31: 21217146.6 32: 2021-12-22
54: TRIAZOLONE DERIVATIVE SALT AS NEUTROPHIL ELASTASE INHIBITOR
00: -
The present invention generally relates to a novel triazolone derivative salt particularly useful as neutrophil elastase inhibitor and to its use as medicament; the invention also relates to its synthesis process and pharmaceutical compositions thereof. The invention also relates to the process for the isolation by crystallization of the compound (I). The invention also relates to a crystal form of a compound of formula (I).

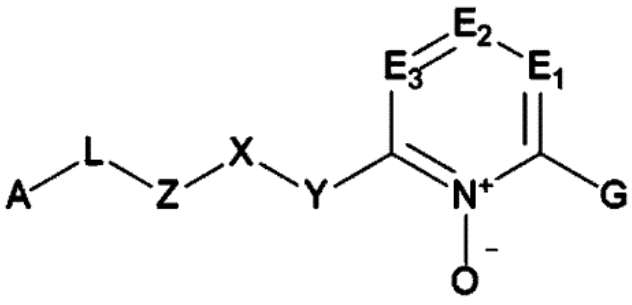
21: 2024/05641. 22: 2024/07/19. 43: 2025/08/12
51: C22B; C01F
71: AUSTRALIAN NATIONAL UNIVERSITY
72: BERRY, ANDREW
33: AU 31: 2022900105 32: 2022-01-20
54: RECOVERING RARE EARTH ELEMENTS
00: -
Disclosed herein is a process for recovering one or more rare earth elements from a phosphate ore that comprises the one or more rare earth elements. The process can comprise mixing the phosphate ore comprising the one or more rare earth elements with a carbonate-based flux. The process can also comprise subjecting the mixture to conditions such that the one or more rare earth elements are released from the phosphate ore and form one or more rare earth element compounds.



21: 2024/05678. 22: 2024/07/22. 43: 2025/08/12
51: H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: GAN, JONATHAN, YU, YUE, YU, HAOPING
33: US 31: 63/266,616 32: 2022-01-10
33: US 31: 63/266,615 32: 2022-01-10
33: US 31: 63/266,765 32: 2022-01-13
54: SIGNALING GENERAL CONSTRAINTS INFORMATION FOR VIDEO CODING
00: -
In some embodiments, a video decoder decodes a video from a bitstream of the video. The video decoder extracts, from the bitstream of the video, an additional bit count M indicating a quantity of additional general constraints information (GCI) bits included in the bitstream of the video. The additional bits include flag bits indicating respective additional coding tools to be constrained for the video, and an expected value of the additional bit count is either 0 or 6. The decoder extracts M-6 bits that follow six flag bits in the bitstream in response to determining that the extracted additional bit count M is greater than 6. The decoder further decodes the remaining portion of the bitstream into images independent of the extracted M-6 bits and based, at least in part, upon constraints specified for the respective additional coding tools by the six flag bits.



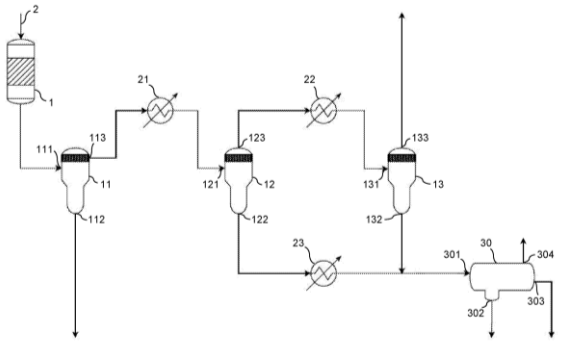
21: 2024/05720. 22: 2024/07/24. 43: 2025/08/26
51: C07D A61K A61P
71: BEIJING AVISTONE BIOTECHNOLOGY CO., LTD.
72: LI, Gong, ZHANG, Peilong, LAN, Wenli, LI, Xiangqiu
33: CN 31: 202111640604.9 32: 2021-12-29
54: HETEROAROMATIC NITROGEN-OXIDE COMPOUND, PREPARATION METHOD THEREFOR, AND USE THEREOF
00: -
Disclosed are a heteroaromatic nitrogen-oxide compound, a preparation method therefor, and a use thereof. The heteroaromatic nitrogen-oxide compound is as shown in formula I, wherein A, L, Z, X, Y, E1, E2, E3 and G are as defined in the description.



I

21: 2024/05734. 22: 2024/07/24. 43: 2025/08/12
51: C10G; C07C; B01J
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: BENCE, ROGER KENNETH, CLARKSON, JAY SIMON, COE, ANDREW JAMES
33: GB 31: 2203544.8 32: 2022-03-15
54: APPARATUS AND METHOD FOR GAS-LIQUID SEPARATION OF A FISCHER-TROPSCH REACTOR OUTLET STREAM
00: -
Gas-liquid separation comprising a) feeding a product stream comprising a mixture of liquid and gaseous hydrocarbon products and water vapour from a Fischer-Tropsch reactor into a first vapour¬ liquid separator inside which the product stream is separated into a first liquid comprising a first cut of the hydrocarbon products and a first gas stream comprising gaseous hydrocarbon products and water vapour; b) collecting the first liquid at a liquid outlet of the first vapour-liquid separator; c) discharging the first gas stream from a gas outlet of the first vapour-liquid separator and feeding the first gas stream through a first cooler to apply cooling to the first gas stream to condense a portion of the gaseous hydrocarbon products and water vapour to form a first cooled mixture; d) feeding the first cooled mixture from the first cooler into a second vapour-liquid separator inside which the first cooled mixture is separated into a second liquid comprising a second cut of the hydrocarbon products and water, and a second gas stream comprising any remainder of the hydrocarbon products and water vapour; e) collecting the second liquid at a liquid outlet of the second vapour-liquid separator; f) discharging the second gas stream from a gas outlet of the second vapour-liquid separator; g) feeding the second gas stream from the gas outlet of the second vapour-liquid separator through a second cooler to apply cooling to the second gas stream to condense a portion of the remainder of the hydrocarbon products and water vapour to form a second cooled mixture; h) feeding the second cooled mixture from the second cooler into a third vapour-liquid separator inside which the second cooled mixture is separated into a third liquid comprising a third cut of the hydrocarbon products and water, and a third gas stream; i) collecting the third liquid at a liquid outlet of the third vapour-liquid separator; and j) discharging the third gas stream from a gas outlet of the third vapour-liquid separator, wherein the method further comprises feeding the second liquid and the third liquid into a single decanter inside which the second liquid and the third liquid are

separated into liquid hydrocarbon products and water.

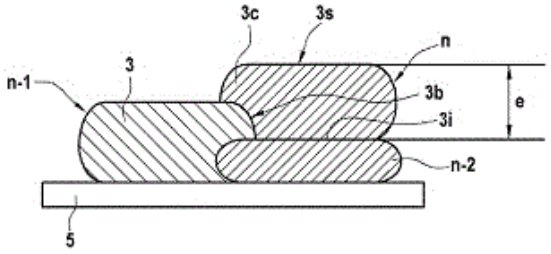


21: 2024/05738. 22: 2024/07/24. 43: 2025/08/12
51: B28B; B22F; B29C; B33Y
71: TECHNOLOGIES AVANCEES ET MEMBRANES INDUSTRIELLES
72: LESCOCHE, PHILIPPE, ANQUETIL, JÉRÔME
33: FR 31: FR2114668 32: 2021-12-30

54: METHOD FOR PRODUCING AN INORGANIC FILTRATION MEDIUM THROUGH INTERMESHING AND OBTAINED MEMBRANE

00: -

The invention relates to a method for producing a porous monolithic inorganic medium (1) using a 3D printing machine comprising at least one extruder head (6) mounted so as to be moveable in space, the method consisting in: - driving the extruder head along a numerical trajectory so that: * for a path with overlap, the material being deposited partially overlaps at least one edge of a previously deposited deposit of material by a portion of overlapping material within its thickness and whose thickness is strictly less than the nominal height (e) so as to avoid gaps between the rounded edges of the deposit of material currently being deposited and those of the previously deposited deposit of material; * for a path with intersection, the material currently being deposited intersects with at least one previously deposited deposit of material that completely overlaps with the previously deposited deposit of material by a portion of overlapping material within its thickness and whose thickness is strictly less than the nominal height (e).

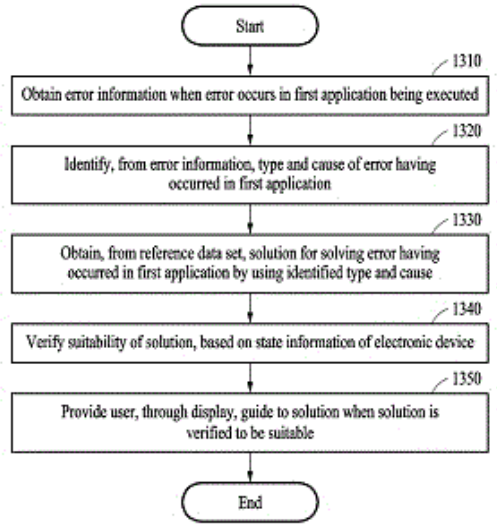


21: 2024/05765. 22: 2024/07/25. 43: 2025/08/12
51: G06F
71: SAMSUNG ELECTRONICS CO., LTD.
72: PARK, DONGWAN
33: KR 31: 10-2022-0014931 32: 2022-02-04

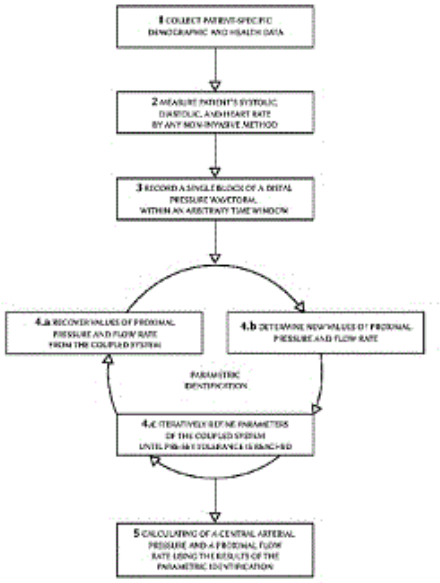
54: ELECTRONIC DEVICE AND OPERATION METHOD THEREOF

00: -

An electronic device comprising a processor is disclosed. The processor: acquires error information on the basis of an error that has occurred in a first application being executed by the processor; identifies a type of error and a cause of the error on the basis of the acquired error information; acquires, from a reference data set, a solution method for solving the error by using the type of error and the cause of the error; verifies the suitability of the acquired solution method on the basis of state information of the electronic device; and on the basis of the acquired solution method that has been verified to be suitable, provides a user with a guidance on the acquired solution method via a display.

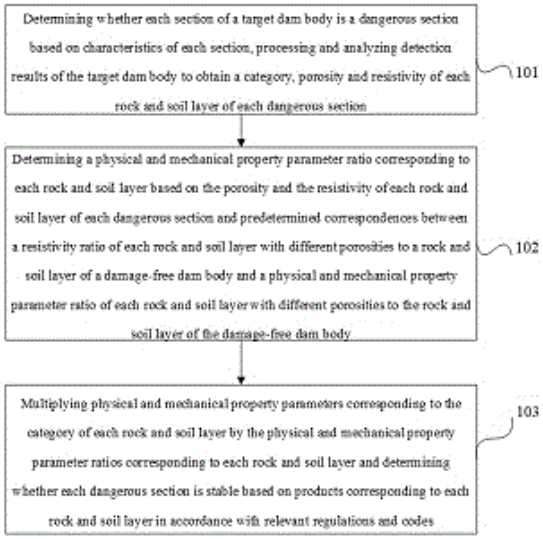


21: 2024/05766. 22: 2024/07/25. 43: 2025/08/12
51: A61B
71: HEMOLENS DIAGNOSTIC SPÓLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA
72: MIROTA, KRYSPIN, POPIEL, IZABELA
54: RECONSTRUCTION OF A PATIENT-SPECIFIC CENTRAL ARTERIAL PRESSURE WAVEFORM MORPHOLOGY FROM A DISTAL NON-INVASIVE PRESSURE MEASUREMENT
00: -
A method, a computer-readable medium and a system for reconstruction of a patient-specific central aortic pressure waveform morphology using a non-invasive distal pressure measurement and a non-invasive recording of a distal pressure waveform are disclosed. Measurements of patient's systolic and diastolic pressures as well as patient's heart rate are made at a distal position, for example using the radial artery. The invention makes use of patient-specific demographic and health data, e.g., gender, age and/or current medication. The patient – specific central arterial pressure waveform morphology is calculated using a lumped-parameter multi-compartment model of the Windkessel type. The method does not assume structural rigidity of a transfer relationship, but it assumes an evolutionary law that provides the relationship between distal and proximal pressures. The invention provides values of a central arterial blood pressure and of a proximal flow rate which are useful in diagnosis of an elevated heart pressure or hypertension or both. The method has been validated using clinical trials. The method of the invention reproduced the values obtained using invasive methods from the clinical trials.

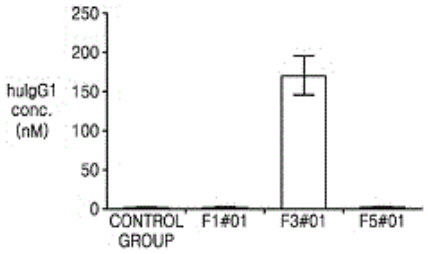


21: 2024/05788. 22: 2024/07/26. 43: 2025/08/12
51: G06Q
71: CCTEG COAL MINING RESEARCH INSTITUTE
72: GAO, CHAO, ZHANG, YUJUN, DENG, WEINAN, XU, LEI, TIAN, GUOCAN, LIU, YIXIN, LIU, ZHUORAN, ZHANG, XUDONG
33: CN 31: 202310077098X 32: 2023-01-16
54: METHOD AND DEVICE FOR EVALUATING STABILITY OF SODA RESIDUE DAM BODY
00: -
The present application provides a method and a device for evaluating stability of a soda residue dam body. The method includes: determining whether each section of a target dam body is a dangerous section based on characteristics of each section, processing and analyzing detection results of the target dam body to obtain a category, porosity and resistivity of each rock and soil layer of each dangerous section; determining a physical and mechanical property parameter ratio corresponding to each rock and soil layer based on the porosity and the resistivity of each rock and soil layer of each dangerous section and predetermined correspondences between a resistivity ratio of each rock and soil layer with different porosities to a rock and soil layer of a damage-free dam body and a physical and mechanical property parameter ratio of each rock and soil layer with different porosities to the rock and soil layer of the damage-free dam body; and multiplying physical and mechanical property parameters corresponding to the category of each rock and soil layer by the physical and mechanical property parameter ratios corresponding to each

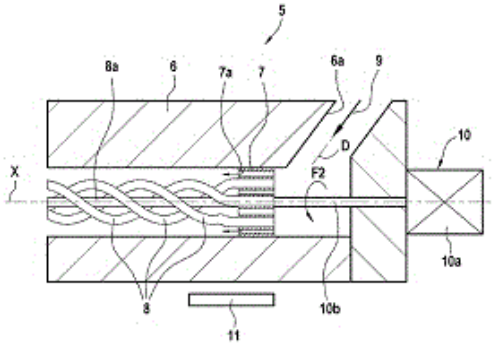
rock and soil layer and determining whether each dangerous section is stable based on products corresponding to each rock and soil layer in accordance with relevant regulations and codes.



21: 2024/05789. 22: 2024/07/26. 43: 2025/08/12
51: C07K; A61P; A61K
71: IMNEWRUN, INC.
72: KIM, HAN JOO, LEE, EUN A, AN, YONG IL
33: KR 31: 10-2021-0194319 32: 2021-12-31
33: KR 31: 10-2022-0189752 32: 2022-12-29
54: BLOOD-BRAIN BARRIER PERMEABLE FUSION PROTEIN AND USES THEREOF
00: -
The present application relates to a blood-brain barrier permeable fusion protein and uses thereof, and provides: a blood-brain barrier permeable fusion protein; a polynucleotide encoding the fusion protein; a vector comprising the polynucleotide; a transfected cell line transfected with the vector; and a pharmaceutical composition for preventing or treating diseases associated with brain dysfunction, comprising the fusion protein as an active ingredient.



21: 2024/05839. 22: 2024/07/29. 43: 2025/08/21
51: B01D; B28B; B29C
71: TECHNOLOGIES AVANCEES ET MEMBRANES INDUSTRIELLES
72: LESCOCHE, PHILIPPE, ANQUETIL, JÉRÔME
33: FR 31: FR2114677 32: 2021-12-30
54: DEVICE AND METHOD FOR THE EXTRUSION MANUFACTURE OF A POROUS SUPPORT WITH A RECTILINEAR CENTRAL CHANNEL AND NON-RECTILINEAR CHANNELS
00: -
The invention relates to a device for the extrusion manufacture of a porous tubular support from a ceramic composition, the device comprising: - a fixed extrusion die (6) in which there is mounted a punch carrier (7) provided with a centred rectilinear punch (8a) and with at least one punch (8) with a helical shape wound around an axis of symmetry (X) in a winding direction and with a winding pitch; - a system (10) for driving the punch carrier (7) to rotate about the axis of symmetry (X) in an opposite direction of rotation to the winding direction of the punch or punches (8) and at a speed of rotation synchronized with the linear extrusion speed of the ceramic composition.



21: 2024/05840. 22: 2024/07/29. 43: 2025/08/12
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: GHOSH, SOMNATH, MAHAPATRA, SAMIRAN, MEDEPALLI, SRILAXMI VENKATA, MOHAPATRA, NAMISHA, SAMPATH KUMAR, RAMYA, VARMA, SANDEEP, CAUNT, PHILIP, SAUNDERS, EMMA JANE, WILLIAMS, DEBORAH
33: EP 31: 22171267.2 32: 2022-05-03
33: IN 31: 202221010898 32: 2022-02-25
54: A HYGIENE COMPOSITION
00: -
The present invention relates to a composition that is used to deliver hygiene on surfaces including

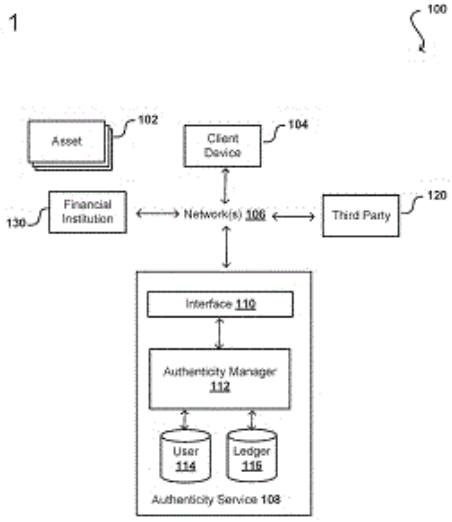
immediate kill of germs as well as over extended period of time as evidenced by biofilms disruption. This is achieved through a novel composition of a cationic surfactant and a combination of bacterial spores.

21: 2024/05847. 22: 2024/07/29. 43: 2025/08/15
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BETADPUR, ANAGHA, DUTTA, MAITREYEE, NAIR, NIRMALA SANTOSH
33: EP 31: 22163113.8 32: 2022-03-18
54: A SKIN BRIGHTENING COMPOSITION
00: -
The present invention relates to a personal care composition which brightens skin. It more particularly relates to a topical composition which is effective against hyperpigmentation. This is achieved by including in a topical composition (i) a retinoic acid precursor; (ii) a carboxylic acid functionalized heteroaromatic compound selected from one or more of nicotinic acid, picolinic acid, nicotinate, niacinamide, and picolinamide; (iii) an alkyl resorcinol; (iv) Inulin; and (v) a cosmetically acceptable vehicle.

21: 2024/05869. 22: 2024/07/30. 43: 2025/08/15
51: C12N; A61K; A61P
71: ALNYLAM PHARMACEUTICALS, INC.
72: BONDURANT, LUCAS D, SCHLEGEL, MARK K, ZUBER, JEFFREY, WOODS, LAUREN BLAIR, CHICKERING, TYLER
33: US 31: 63/308,668 32: 2022-02-10
33: US 31: 63/156,476 32: 2021-03-04
54: ANGIOPOIETIN-LIKE 3 (ANGPTL3) IRNA COMPOSITIONS AND METHODS OF USE THEREOF
00: -
The present invention relates to RNAi agents, e.g., double stranded RNA (dsRNA) agents, targeting the Angiopoietin-like 3 (ANGPTL3) gene. The invention also relates to methods of using such RNAi agents to inhibit expression of an ANGPTL3 gene and to methods of preventing and treating an ANGPTL3-associated disorder, e.g., a disorder of lipid metabolism, such as hyperlipidemia or hypertriglyceridemia.

21: 2024/05883. 22: 2024/07/30. 43: 2025/08/15
51: G06Q
71: EW
72: TEISSIER, NICOLAS
33: US 31: 63/347,391 32: 2022-05-31
33: US 31: 18/059,512 32: 2022-11-29
33: US 31: 63/306,259 32: 2022-02-03
54: SYSTEMS AND METHODS FOR PROVIDING LOW RISK ASSET-BASED INVESTMENT PRODUCTS
00: -
Asset-based investment product can be created out of any activity or asset that may generate income. These securities can be created out of any movable or immovable property, tangible assets, or intangible assets such as NFTs. Such an investment product can focus on long-lasting value classes of assets, such as real estate, as long as they can generate income and/or are subjected to long-lasting value appreciation or sustainability. In at least one embodiment, such an asset-based investment product will only pool "safe parts" of assets, can create "safe part tokens" or their equivalent out of these assets, and can offer senior tranches level to investors acquiring those "safe part tokens." These senior tranches may be rewarded more than junior tranches after the "safe part" of each of the underlying assets has been bought, described, and registered in the blockchain owned or used by the asset holder or its beneficiaries.

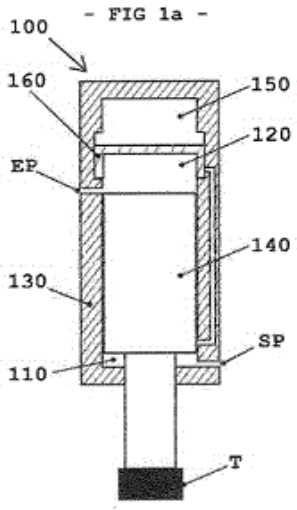
FIG. 1



21: 2024/05885. 22: 2024/07/30. 43: 2025/08/15
51: C22B
71: UMICORE
72: VERHEES, PIETER, BALTES, MICHAEL

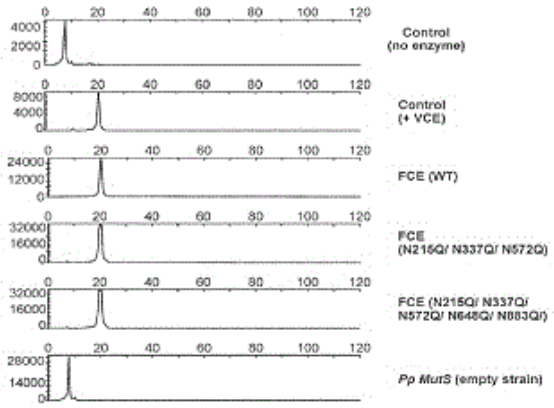
33: EP 31: 22157033.6 32: 2022-02-16
54: PROCESS FOR THE RECOVERY OF LI, NI AND CO
00: -
Process for the separation of Li from oxides of one or more of Co and Ni contained in a feed, comprising the steps of: contacting, in aqueous medium, the feed with a quantity of sulfidizing agent, sufficient to convert a major part of the Co and/or Ni to sulfides, and a quantity of mineral acid sufficient to reach a pH of 1 to 5, thereby forming an aqueous slurry containing solid Co and/or Ni sulfides, and a solution containing Li; and, separating the solids from the solution, thereby obtaining solids containing Co and/or Ni sulfides, and a solution containing a major part of the Li. This process allows to convert Co and Ni to solid sulfides and at the same time to efficiently separate them from soluble compounds such as Li, Mn and other impurities.

21: 2024/05886. 22: 2024/07/30. 43: 2025/08/15
51: B25D
71: T-RIG LIMITED
72: CARBONNEL, ALAIN
33: EP 31: 22158567.2 32: 2022-02-24
54: HYDRAULIC IMPACT MECHANISM FOR USE IN EQUIPMENT FOR PROCESSING ROCK AND CONCRETE
00: -
The invention provides a valveless hydraulic impact mechanism for connection to a tool for processing rock or concrete or both, wherein the position for the opening of the drainage channel is arranged along the cylinder bore so as to be opened and closed by a portion of the reciprocating strike piston, the position for the opening of the connection channel leading to the first drive chamber is arranged along the cylinder bore so as to be opened and closed by a portion of the reciprocating strike piston and the position for the opening of the connection channel leading to the second drive chamber is arranged in the first or second cylinder bore so as to be opened and closed by a portion of the reciprocating accumulator piston such that, with the aid of the strike piston during its motion in the first cylinder bore and the accumulator piston in the first cylinder bore or, if present, the second cylinder bore, at least the second drive chamber acquires periodically alternating pressure for the maintenance of the reciprocating piston motion, wherein the reciprocating strike and accumulator pistons hold the second drive chamber closed for the supply or drainage of driving medium present in the second drive chamber along a distance between the opening of the drainage channel in association with a first turning point of the strike piston and the opening of the connection channel in association with a second turning point of the strike piston, wherein the motion of the strike piston along the distance between the opening of the drainage channel in association with the first turning point of the strike piston and the opening of the connection channel in association with the second turning point of the strike piston takes place during compression of the volume of the accumulator compartment, wherein the magnitude of the volume of the accumulator compartment is adapted to obtain a slow change in pressure in the second drive chamber along the distance between the channel openings and wherein the strike piston and accumulator piston are solely in fluid communication such that the strike piston and accumulator piston do not make direct contact during operation of the mechanism.



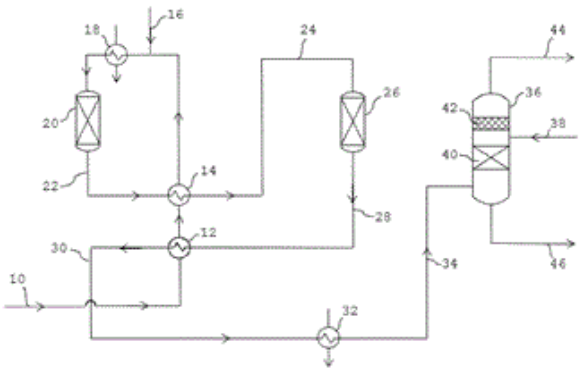
21: 2024/05905. 22: 2024/07/31. 43: 2025/08/15
51: C12N
71: NEW ENGLAND BIOLABS, INC
72: GANATRA, MEHUL, CHAN, SIU-HONG, TARON, CHRISPHER H, ROBB, G. BRETT
54: FAUSTOVIRUS CAPPING ENZYME, MRNA CAPPING ENZYME COMPOSITIONS, METHODS AND KITS

00: -
The present disclosure relates to compositions, kits, and methods of making RNA vaccines having an appropriate cap structure. Systems, apparatus, compositions, and/or methods may include and/or use, in some embodiments, non- naturally occurring single-chain RNA capping enzymes. In some embodiments, an RNA capping enzyme may include an FCE variant having (a) an amino acid sequence at least 90% identical to positions 1 to 878 of SEQ ID NO: 1, and/or (b) one or more substitutions relative to SEQ ID NO: 1 at a position selected from positions corresponding to positions 215, 337, 572, 648, and 833 (e.g., a position selected from positions corresponding to position 215, 337, and 572) of SEQ ID NO: 1.

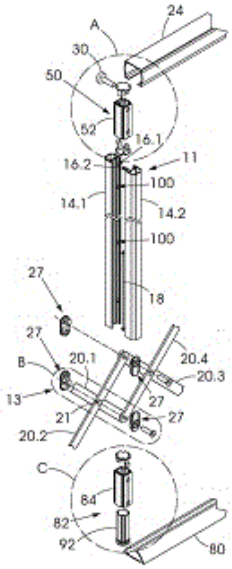


21: 2024/05914. 22: 2024/07/31. 43: 2025/08/26
51: C07D A61K A61P
71: INNOVO THERAPEUTICS INC.
72: CHOI, Sei Hyun, KIM, Hak Joong, LEE, Yu Rim, JUNG, Sun Ho, PAGIRE, Haushabhau Shivaji
33: KR 31: 10-2022-0000659 32: 2022-01-04
54: NOVEL ISOINDOLINONE DERIVATIVE COMPOUNDS AS CASPASE INHIBITORS
00: -
The present invention provides a novel isoindolinone derivative compound, a hydrate thereof, a solvate thereof, or a pharmaceutically acceptable salt thereof, as caspase inhibitors. The novel isoindolinone derivative compound of the present invention was confirmed to exhibit an excellent interleukin-1ß(IL-1ß) reducing effect and an excellent apoptosis-reducing effect, thus exhibiting excellent activity as a caspase inhibitor, and thus, it has been found that the novel isoindolinone derivative compound can be used for the prevention or treatment of caspase-related diseases. Therefore, the novel isoindolinone derivative compound of the present invention can be effectively used in the prevention or treatment of caspase-related diseases in the medical and pharmaceutical fields.

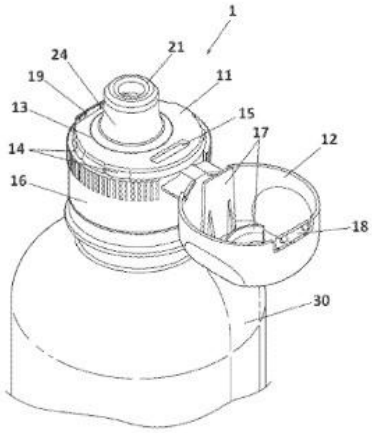
21: 2024/05933. 22: 2024/07/31. 43: 2025/08/15
51: C10G; B01D; C01B
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: BAKER, ROB MILES, COE, ANDREW JAMES
33: GB 31: 2204765.8 32: 2022-04-01
54: METHOD OF PRODUCING LIQUID HYDROCARBONS FROM A SYNGAS
00: -
A method of producing liquid hydrocarbons from a syngas, the method comprising: providing a first syngas containing hydrogen cyanide; converting at least a portion of the hydrogen cyanide in the first syngas to ammonia to provide a second syngas enriched in ammonia and depleted in hydrogen cyanide; passing the second syngas to a scrubber and contacting the second syngas with a scrubbing liquid, whereby at least a portion of ammonia contained in the second syngas is retained in the scrubbing liquid to form a third syngas depleted in ammonia and hydrogen cyanide; and passing the third syngas through a Fischer-Tropsch reaction chamber to produce a liquid hydrocarbon product, wherein passing the third syngas through a Fischer-Tropsch reaction chamber to produce a liquid hydrocarbon product comprises contacting the third syngas with a catalyst comprising a metal selected from cobalt, iron and ruthenium; characterised in that the scrubbing liquid comprises a co-produced water separated from products recovered from the Fischer-Tropsch reaction chamber.



21: 2024/06097. 22: 2024/08/08. 43: 2025/08/12
51: E06B
71: ALSYSCO SA (PTY) LTD
72: CROFTON-BALL, PETER, PEPPER, BRADLEY, SHUNMUGAM, AIDEN
33: ZA 31: 2023/11260 32: 2023-12-07
54: SECURITY GATE/BARRIER
00: -
A security barrier which includes at least two spaced apart securing arrangements. Each securing arrangement includes a pair of extruded upright members. Each upright member defines a longitudinal channel. The respective define an elongate sliding/gliding path which extends along the length of the upright members. A coupling member interconnects the two pairs of upright members. A first securing mechanism secures a first part of the coupling member to the one pair of upright members. Part of the first securing mechanism is fitted/located within the sliding/gliding path defined by the first pair of upright members. A second securing mechanism secures a second part of the coupling member to the other pair of upright members. Part of the second securing mechanism is fitted/located within the sliding/gliding path defined by the second pair of upright members. The first/second securing mechanism can slide/glide along a length of the sliding/guiding path within which it is located.



21: 2024/06157. 22: 2024/08/12. 43: 2025/07/29
51: B65D
71: DESARROLLOS TAMARIT PLAZA SL
72: TAMARIT RIOS, Ramón
33: WO 31: PCT/ES2022/070070 32: 2022-02-11
54: CAP FOR A LIQUID CONTAINER
00: -
The invention relates to a cap for consuming a liquid from a container which comprises at least one orifice for the outlet of liquid from the container and at least one orifice for the inlet of air into the container, said air inlet orifice incorporating a one-way valve that allows air to enter but does not allow liquid to come out through the same.



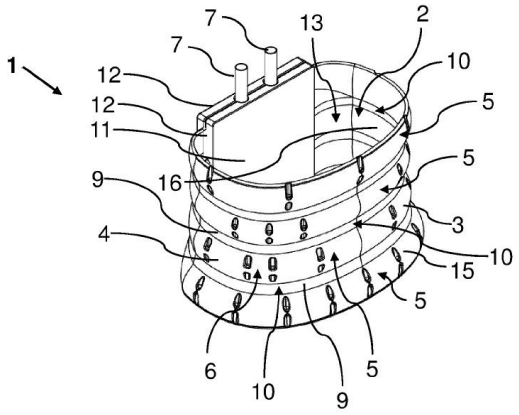
21: 2024/06173. 22: 2024/08/12. 43: 2025/08/25
51: A01H; C12N
71: Syngenta Crop Protection AG

72: PERUMAL, Azhaguvel, YA, Zhang, BREITINGER, Becky Welsh, DELZER, Brent, EGGER, Rachel Louise
33: PCT/CN 31: 2022/077351 32: 2022-02-23
54: MARKERS ASSOCIATED WITH SPONTANEOUS CHROMOSOME DOUBLING
00: -
Provided herein are methods for selecting and generating germplasm that displays spontaneous chromosome doubling when in a haploid state. The methods include isolating nucleic acids from a first maize plant or germplasm and detecting SCD-QTL1 associated with chromosome doubling. Further, the methods including selecting said first maize plant or germplasm, or a progeny of said first maize plant or germplasm, comprising SCD-QTL1 associated with spontaneous chromosome doubling.

21: 2024/06313. 22: 2024/08/16. 43: 2025/10/09
51: B41M; B65D; C08L
71: ACTEGA DS GMBH
72: Simon HEYDER, Waldemar EICHLER, Katharina BAHRS
33: EP 31: PCT/EP2022/059547 32: 2022-04-08
54: LASER-MARKABLE SEALING COMPOUNDS WITH OXYGEN ABSORBERS
00: -
Receptacle closure made of metal, with a sealing insert that is arranged in the receptacle closure in such a way that it comes into contact with the mouth of the receptacle when the receptacle closure is positioned on the receptacle, wherein the sealing insert contains or is made from a sealing compound that includes at least 10% by weight, preferably at least 40% by weight LDPE relative to the total weight of the sealing compound, in particular with butene, hexene or octene as comonomer besides contents of LLDPE and/or OBC and a content of more than 2% by weight of at least one oxygen-absorbing compound, preferably sodium sulfite.

21: 2024/06384. 22: 2024/08/20. 43: 2025/09/30
51: A61K; C07K; C12N; A61P
71: MEDILINK THERAPEUTICS (SUZHOU) CO., LTD.
72: Jiaqiang CAI
33: CN 31: 202210089838.7 32: 2022-01-25
54: ANTIBODY AGAINST HER3, CONJUGATE AND USE THEREOF
00: -
The present invention relates to an anti-Her3 antibody, a method for preparing same, a conjugate thereof and use thereof, and particularly to an antibody that binds to Her3 to exhibit an anti-tumor activity and a conjugate thereof. The present invention further includes a composition of the antibody and an ADC, and a method for using the same.

21: 2024/06448. 22: 2024/08/22. 43: 2025/09/30
51: A61B
71: MORPHEUS AG
72: Timo RACK, Carsten LINTI, Cornelia FANO, Andreas SCHERRIEBLE, Christoph RIETHMÜLLER, Benjamin POHL, Simon BURMEISTER
33: DE 31: 10 2022 112 521.1 32: 2022-05-18
54: DEPLOYABLE RETRACTOR
00: -
The invention relates to a deployable retractor (1) with a folded-in configuration and a folded-out configuration. In the folded-out configuration, the refractor (1) forms a completely encased channel (2), wherein the casing (3) of the channel (2) comprises an at least partly double-walled textile (4) that surrounds a fluid interior (6) which has at least one fluid chamber (5) and can be filled with a fluid via a connection (7) and which is emptied in the folded-in configuration and is filled with the fluid in the folded-out configuration.



21: 2024/06722. 22: 2024/08/30. 43: 2025/09/09
51: A47K
71: ESSITY HYGIENE AND HEALTH AKTIEBOLAG
72: BENGTSSON, Mattias, BAGHERZADEH, Ali, KÄLLGREN, Antonio, KULLMAN, Marcus
33: EP 31: PCT/EP2022/058599 32: 2022-03-31

54: AN OUTLET ASSEMBLY FOR ARRANGEMENT AT A WALL OPENING IN AN OUTER WALL OF A DISPENSER FOR WEB-SHAPED ABSORBENT MATERIAL

00: -

The disclosure relates to an outlet assembly (1) for arrangement at a wall opening (31) in an outer wall (30) of a dispenser (40) for web-shaped absorbent material, the outlet assembly (1) being adapted to form an outlet for dispensing of the web shaped absorbent material from the dispenser through the wall opening (31). The disclosure further relates to a dispenser (40) and to a method for arranging an outlet assembly (1) to an outer wall (30) of a dispenser (40) for web-shaped absorbent material.

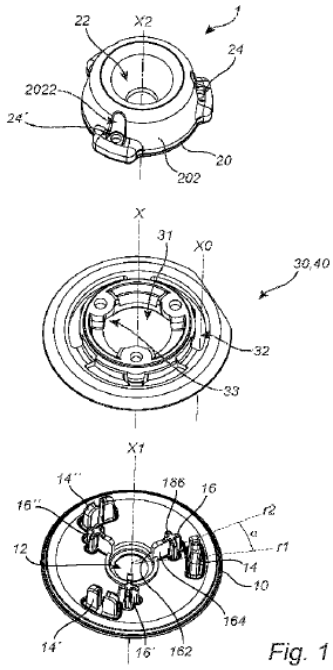


Fig. 1

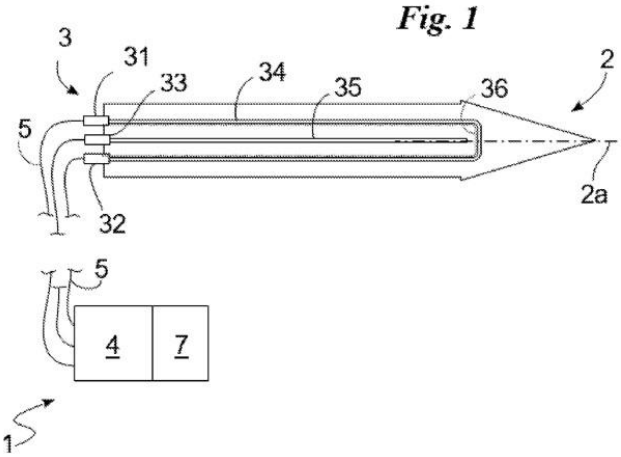
21: 2024/07066. 22: 2024/09/13. 43: 2025/09/30
51: G01N
71: PLANTVOICE SRL SB
72: Tommaso BECCATELLI, Matteo BECCATELLI
33: IT 31: 102022000005294 32: 2022-03-19

54: PHYTO-ANALYSIS SENSOR

00: -

A phyto-analysis sensor (1) is configured to fit into a plant (1 b) stem (1 a). The sensor includes a rigid support (2) inserted into the stem (1 a), absorbing at least one fluid of the plant (1 b); an OECT (3) comprising a drain electrode (31), a source electrode (32) and a gate electrode (33) which is sensitive to a solute; a first electrically conductive channel (34), connecting the drain electrode (31) to the source electrode (32). These electrodes are included in the rigid support (2), so they can be wet by the same fluid that wets the rigid support, allowing to identify the presence of the solute in the fluid.

Fig. 1



21: 2024/07209. 22: 2024/09/20. 43: 2025/09/30
51: C21D; C22C
71: ARCELORMITTAL
72: Matthieu SIEBENTRITT, Vincent LHOIST, Elena UTA, Quentin MILLEE, Julien LAMOUCHE

54: A MARTENSITIC STEEL SHEET AND A METHOD OF MANUNFACTURING THEREOF

00: -

A martensitic steel sheet comprising of the following elements 0.08 % ≦ C ≦ 0.14 %; 1.95 % ≦ Mn ≦ 2.6 %; 0.1% ≦ Si ≦ 0.8 %;.01% ≦ Al ≦ 0.1 %; 0.001% ≦ Ti ≦ 0.1%; 0.0001% ≦ B ≦ 0.05%; 0% ≦ S ≦ 0.09%; 0% ≦ P ≦ 0.09%; 0% ≦ N ≦ 0.09%; 0.1% ≦ Cr ≦ 1 %; 0% ≦ Ni ≦ 1%; 0% ≦ Cu ≦ 1%; 0% ≦ Mo ≦ 0.4%; 0% ≦ Nb ≦ 0.1%; 0% ≦ V≦ 0.1%; 0% ≦Sn≦ 0.1%; 0% ≦ Pb≦ 0.1%; 0% ≦ Sb≦ 0.1%; 0.001% ≦ Ca≦ 0.01%; the remainder composition being composed of iron and unavoidable impurities, the microstructure of said steel comprising, by area percentage, at least 92% of martensite, a cumulated amount of ferrite and bainite from 1 % to 8%, and an optional amount of residual austenite from 0% to 2%.

21: 2024/07210. 22: 2024/09/20. 43: 2025/09/30
51: C21D; C22C
71: ARCELORMITTAL
72: Brian LIN, Ranbir JAMWAL, Evgueni I POLIAK, Narayan POTTORE

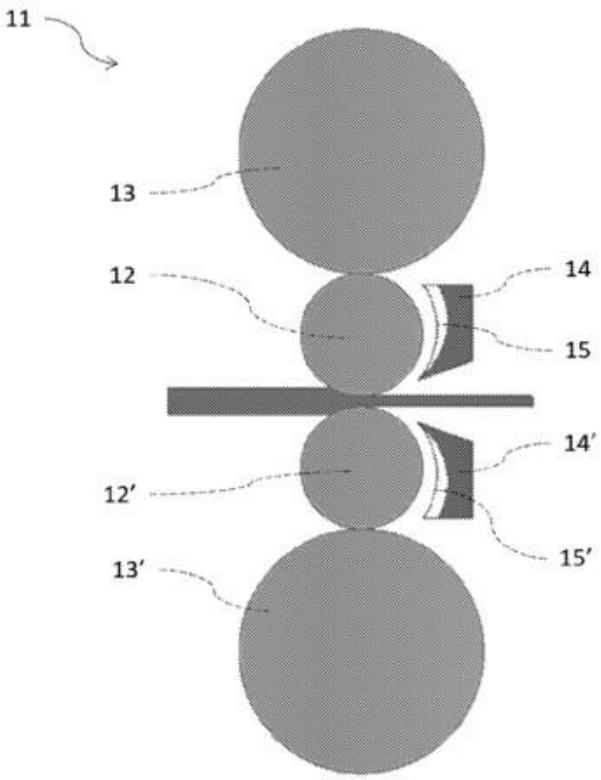
54: HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF

00: -

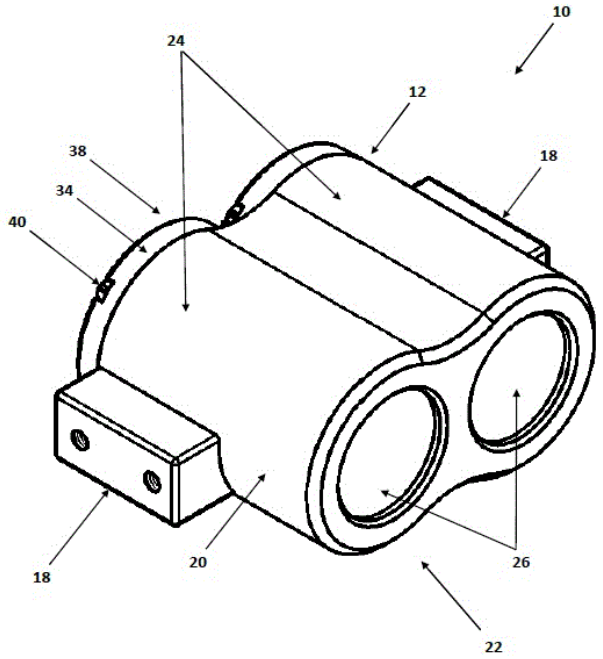
A hot rolled steel sheet having a composition comprising of the following elements 0.060%≤Carbon≤0.1%, 1.4%≤Manganese≤1.8%, 0.3%≤Silicon≤0.8%, 0.01%≤ Aluminum≤0.1%, 0.01%≤Niobium≤0.09%, 0.01%≤Titanium≤0.09%, 0.002%≤ Phosphorus ≤ 0.02 %, 0 % ≤ Sulfur ≤ 0.005 %, 0 % ≤ Nitrogen ≤ 0.01%, with 0.045% ≤ Ti+Nb ≤ 0.060%, 0% ≤ Chromium ≤ 0.5%, 0% ≤ Molybdenum ≤ 0.4%, 0% ≤ Vanadium ≤ 0.4%, 0% ≤ Calcium ≤ 0.005%, 0% ≤ Copper ≤ 1%,0% ≤ Nickel ≤ 1%, 0 % ≤ Boron ≤ 0.05%, 0 % ≤ Magnesium ≤ 0.05%, the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, 10% to 20% Bainite, 80% to 92% Ferrite wherein the aspect ratio of the grains of Bainite and Ferrite is less than 1.75 and a cumulated amount of Residual Austenite and Martensite is from 0% to 10 %.

21: 2024/07249. 22: 2024/09/23. 43: 2025/09/30
51: C10B; C10L; C22B
71: ARCELORMITTAL
72: Paul PERNOT, Tatiana ROZHKOVA
33: IB 31: PCT/IB2022/055500 32: 2022-06-14
54: BINDER AND MANUFACTURING METHODS
00: -
A binder for extruded, pelletized, briquetted, or agglomerated material, said binder comprising from 80% to 90% in weight of a pyrolysis oil resulting from the pyrolysis of biomass and from 10% to 20% in weight of thermoplastics.

21: 2024/07295. 22: 2024/09/25. 43: 2025/09/30
51: B21B
71: ARCELORMITTAL
72: Pepijn ADRIAEN, Hugo UIJTDEBROEKS, Patrick VAN POECKE, Eugen Andrei IANOS, Zafer KOONT, Michael James HOUGH, Peter CEOLIN
33: IB 31: PCT/IB2022/055437 32: 2022-06-13
54: DEVICE AND METHOD FOR COOLING ROLLS USED FOR ROLLING IN A HIGHLY TURBULENT ENVIRONMENT
00: -
The invention relates to a rolling stand for metallic products comprising - at least one pair of work rolls, - at least a pair of back-up rolls, - at least one water pillow cooling device able to project a plurality of cooling jets under pressure on at least one of said work roll, - a removable plate - placed between said cooling device and said work roll, - being concave and curved with a curvature such that a gap between said removable plate and said upper work roll is constant or increases when moving in direction of the back-up roll and such that said gap is from 5 to 200 mm, - and being holed such that said cooling jets can pass through said removable plate.

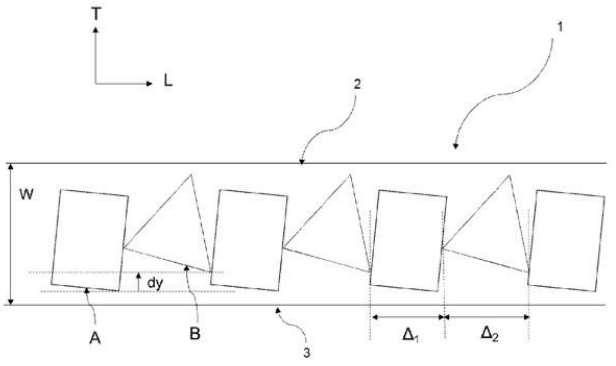


21: 2024/07364. 22: 2024/09/27. 43: 2025/08/06
51: H05K
71: HYTRONIC (PTY) LTD
72: SOUVARIS, Donovan, Donald
33: ZA 31: 2023/09067 32: 2023-09-27
33: ZA 31: 2023/10460 32: 2023-11-10
54: A HOUSING
00: -
A housing including a body defining a receiving zone for receiving a plurality of devices therein, and a mounting arrangement for mounting the body on an object which is to be exposed to harsh environments.



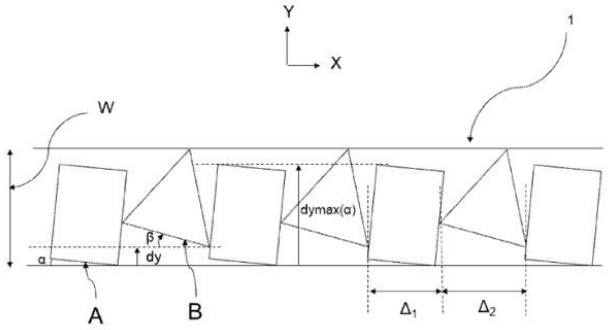
21: 2024/07633. 22: 2024/10/08. 43: 2025/10/09
51: C21D; C22C
71: ARCELORMITTAL
72: Laura MOLI SANCHEZ, Nele VAN STEENBERGE, Sarata CISSE, Tom WATERSCHOOT
54: HOT ROLLED STEEL AND A METHOD OF MANUFACTURING THEREOF
00: -
A hot rolled steel having a composition comprising the following elements, 5%≤Nickel≤16 %, 0.5%≤Aluminum≤3%, 0.1%≤Titanium≤1%, 4%≤Chromium≤15%, 0.0001% ≤ Carbon ≤ 0.03%, 0.002 % ≤ Phosphorus ≤ 0.02 %,0 % ≤ Sulfur ≤ 0.005%, 0 % ≤ Nitrogen ≤ 0.01%, 0 % ≤ Cobalt ≤ 7%,0% ≤ Molybdenum ≤ 6%,0% ≤ Niobium ≤ 0.1%, 0% ≤ Vanadium ≤ 0.3%, 0% ≤ Copper ≤ 0.5%, 0% ≤ Manganese ≤ 2%,0% ≤ Silicon ≤ 1%, 0% ≤ Boron≤ 0.001%, 0% ≤ Oxygen ≤ 0.004%, 0% ≤ Magnesium ≤ 0.0010%, the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, at least 95% of Martensite, 1% to 5% of Reverted Austenite and inter-metallic compounds of Aluminum, Titanium and Nickel.

21: 2024/07654. 22: 2024/10/09. 43: 2025/10/09
51: G05B; G06Q
71: ARCELORMITTAL
72: Alexandre BLAISE
54: METHOD TO AUTOMATICALLY POSITION BLANKS IN A STRIP AND TO CALCULATE THE ASSOCIATED SCRAP RATIO
00: -
Method for the computerized positioning of two blanks to be cut out in a longitudinally extending strip comprising the steps of determining the inner dimensions of each blank in the longitudinal direction, determining the distances in the longitudinal direction between the left side of blank A and the right side of blank B and conversely when said blanks are superimposed, and deducting the pitches between two neighbouring blanks A and B and two neighbouring blanks B and A. Method for the computerized scrap ratio calculation using said blank positioning method and method for the computerized calculation of the material cost of the blanking operation using said scrap ratio calculation.



21: 2024/07655. 22: 2024/10/09. 43: 2025/10/09
51: B21D; G05B
71: ARCELORMITTAL
72: Alexandre BLAISE
33: IB 31: PCT/IB2022/055630 32: 2022-06-17
33: IB 31: PCT/IB2022/055634 32: 2022-06-17
54: METHOD TO OPTIMIZE THE NESTING OF TWO BLANKS WITHIN A LONGITUDINALLY EXTENDING FLAT STRIP
00: -
It is a first purpose of the current invention to provide a computerized method to determine the best nesting of blanks in a strip in order to optimize the material usage and to determine the associated material usage. Solving the problem of material usage optimization involves at least three different variables (two rotation angles of the blanks and one transversal offset) and thus potentially involves

optimizing the material usage function over a very large set of combinations. This leads to high computation times, which can be a serious hindrance to the implementation of the material usage optimization method. A second purpose of the current invention is therefore to provide a computerized method to accelerate the computerized determination of the best blank nesting for material usage optimization and the associated material usage.



21: 2024/07657. 22: 2024/10/09. 43: 2025/10/09
51: B29B; C08F; C08J; G01N
71: EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H.
72: Feichtinger KLAUS, Hermann WOLFGANG
33: AT 31: A50260/2022 32: 2022-04-20
54: PROCESS AND APPARATUS FOR INCREASING INTRINSIC VISCOSITY OF POLYCONDENSATES
00: -
Process and apparatus for processing of polycondensates, in particular for recycling processing of contaminated polycondensates, comprising the following processing steps: a) initially charging the polycondensates/materials to be processed, in particular in a container, b) at least partially, especially completely, melting the polycondensates, in particular by extruding in an extruder, and preparing a polymer melt, c) mixing the polymer melt, d) cooling the polymer melt, e) treating the mixed and cooled polymer melt in a melt reactor, in particular for polycondensation/ postcondensation, to increase the intrinsic viscosity and/or to purify the polymer melt.

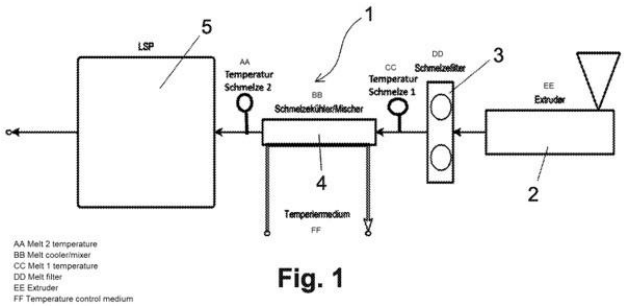


Fig. 1

21: 2024/07661. 22: 2024/10/09. 43: 2025/10/09
51: A61K; A61P
71: NITOFF LIMITED
72: Deirdre Gertrude Lillian WRIGHT, Joseph CINCOTTA
33: GB 31: 2201942.6 32: 2022-02-14
54: HEAD LICE TREATMENT
00: -
A composition, for use in controlling lice or their ova on an animal subject, comprises a reactive copolymer formed from two or more monomers and having a hydrophobic conditioning portion comprising a siloxane group, a reactive crosslinking group comprising a silanol, a hydrophilic portion comprising one or more of an ethoxylate group and a propoxylate group and a surface linking portion comprising an amine or quaternary ammonium group, the copolymer forming in-situ crosslinks when dried on hair. A method of controlling lice or their ova on an animal subject comprises applying to the head of the animal subject such a composition.

21: 2024/07663. 22: 2024/10/09. 43: 2025/10/09
51: B65D; C09K
71: ACTEGA DS GMBH
72: Matthias KERN
33: EP 31: PCT/EP2022/062996 32: 2022-05-12
54: SEALING INSERTS FOR CROWN CORKS WITH REDUCED METAL-SHEET THICKNESS
00: -
Crown cork for a vessel for holding beverages or foods that has a mouth to be closed with the crown cork, having a sealing insert arranged in the crown cork such that it sealingly closes the mouth when the crown cork is mounted on the vessel, where the crown cork including the sealing insert contains no halogen-containing materials, where the sheet metal used for the crown cork has a thickness of 0.10-0.19 mm, wherein the sealing insert contains at least twenty per cent by weight, based on the total weight of the sealing insert, of at least one, preferably fully

hydrogenated, styrene triblock copolymer, especially styrene-ethylene-butadiene-styrene copolymer (SEBS), SEEPS and/or SEPS, or a mixture of two or more of these copolymers.

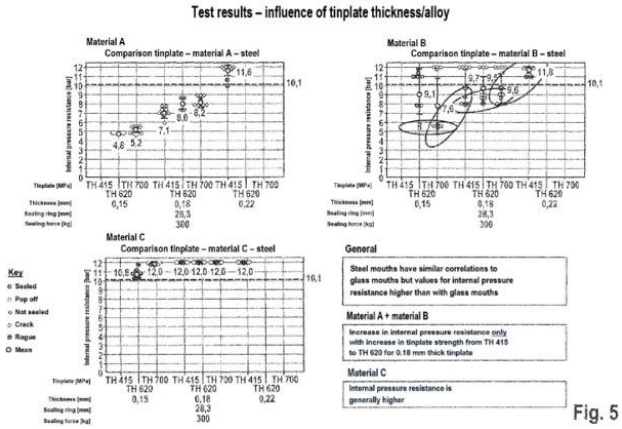
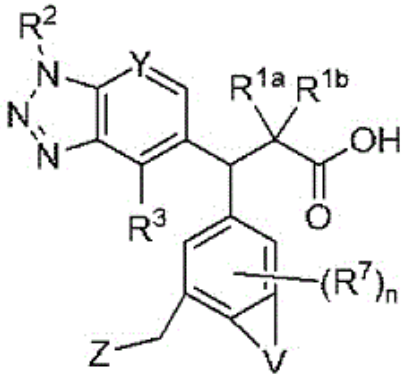


Fig. 5

21: 2024/08061. 22: 2024/10/24. 43: 2025/08/29
51: C07D; A61K; A61P
71: DAIICHI SANKYO COMPANY, LIMITED, KYOTO PHARMACEUTICAL INDUSTRIES, LTD.
72: OGURA, YOSHIHIRO, TAKANO, RIEKO, KAWAI, JUNYA, FUJIMOTO, TEPPEI, INUI, MASAHARU, OFUKU, MASAFUMI, MIYAZAKI, MASAKI, FUJII, MASAYA, ISHII, KEN, YOKOZEKI, WAKANA, OTAKE, KAZUYA, TAKASHIMA, SHUNSUKE, ANDO, MASAFUMI
33: JP 31: 2022-075223 32: 2022-04-28
54: BENZOTRIAZOLE COMPOUND
00: -
The present invention addresses the problem of providing a medicine capable of treating and/or preventing a disease associated with oxidative stress through the inhibition of a protein-protein interaction between Keap1 and Nrf2 to activate Nrf2. The present invention relates to a compound represented by general formula (1): [wherein each symbol is as described in the description] or a pharmaceutically acceptable salt thereof. The present invention also relates to a medicine for preventing and/or treating a disease associated with oxidative stress, in which the disease is selected from the group consisting of chronic kidney disease, non-alcoholic fatty liver disease, chronic obstructive pulmonary disease, radiation-induced skin damages, radiation-induced mucosal damages, heart failure, pulmonary arterial hypertension, Parkinson's disease, Friedreich's ataxia, multiple sclerosis, age-related macular degeneration, retinitis pigmentosa and glaucoma, and the medicine contains the compound.



(1)

21: 2024/08241. 22: 2024/10/31. 43: 2025/10/09
51: G10L
71: DOLBY INTERNATIONAL AB
72: KJOERLING, KRISTOFER, VILLEMOES, LARS, PURNHAGEN, HEIKO, EKSTRAND, PER
33: EP 31: 18169156.9 32: 2018-04-25
54: INTEGRATION OF HIGH FREQUENCY AUDIO RECONSTRUCTION TECHNIQUES
00: -
A method for decoding an encoded audio bitstream is disclosed. The method includes receiving the encoded audio bitstream and decoding the audio data to generate a decoded lowband audio signal. The method further includes extracting high frequency reconstruction metadata and filtering the decoded lowband audio signal with an analysis filterbank to generate a filtered lowband audio signal. The method also includes extracting a flag indicating whether either spectral translation or harmonic transposition is to be performed on the audio data and regenerating a highband portion of the audio signal using the filtered lowband audio signal and the high frequency reconstruction metadata in accordance with the flag. The high frequency regeneration is performed as a post-processing operation with a delay of 3010 samples per audio channel.

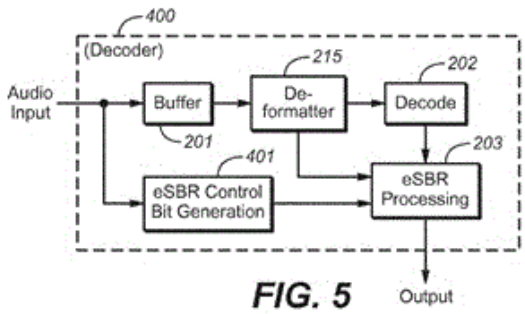
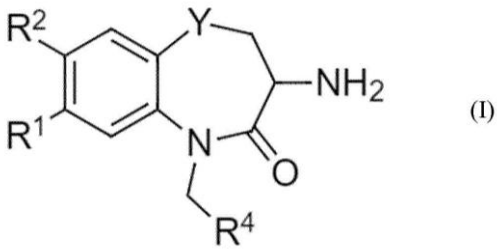


FIG. 5

21: 2024/08363. 22: 2024/11/05. 43: 2025/08/12
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: BRANDSTAETTER, Marco, DI FRANCESCO, Maria Emilia, HUTTER, Roman, KUEHNE, Holger, LUEBBERS, Thomas, MARTIN, Laetitia Janine, MUELLER, Barbara Johanna
33: EP(CH) 31: 22189817.4 32: 2022-08-11
54: BICYCLIC TETRAHYDROTHIAZEPINE DERIVATIVES
00: -

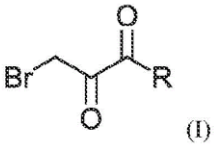
The present invention provides new bicyclic tetrahydrothiazepine derivatives having the general formula (I) wherein Y, R^1, R^2 and R^4 are as defined herein, compositions including the compounds, processes of manufacturing the comporids and methods of using the compounds.



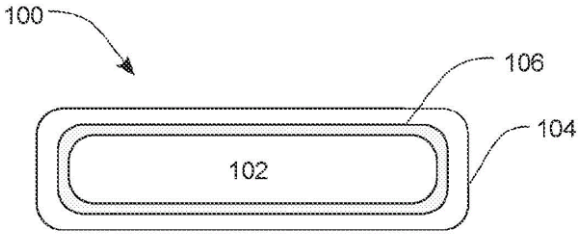
(I)

21: 2024/08364. 22: 2024/11/05. 43: 2025/08/12
51: A61K; A61P
71: KO, Young Hee
72: KO, Young Hee
33: US 31: 63/328,197 32: 2022-04-06
54: LIQUID-DISPERSIBLE HALOPYRUVATE FORMULATIONS AND ASSOCIATED METHODS
00: -

An anti-cancer formulation is described including a dry liquid dispersible composition of a cellular energy inhibitor admixed with a reactive ingredient and a pharmaceutically acceptable carrier, wherein the cellular energy inhibitor has a structure according to formula I; wherein R is selected from one of OR', $N(R'')_2$, C(O)R''', C1-C6 alkyl, C6-C12 aryl, C1-C6 heteroalkyl, C6-C12 heteroaryl, H, or an alkali metal, where R' is selected from one of H, an alkali metal, C1-C6 alkyl, C6-C12 aryl or C(O)R''', where R'' is selected from one of H, C1-C6 alkyl, or C6-C12 aryl, and where R''' is selected from on of H, C1-C20 alkyl or C6-C12 aryl.

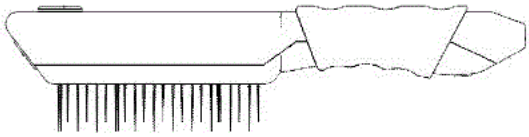


(I)



21: 2024/08588. 22: 2024/11/12. 43: 2025/09/04
51: A45D; A61M
71: MABELANE, Tlhologelo
72: MABELANE, Tlhologelo
33: ZA 31: 2022/07740 32: 2022-07-11
54: A HAIR CARE APPARATUS
00: -

An electric hair care apparatus adapted to produce nano mist on a base side of its body when in use. The hair apparatus has a fluid compartment, nano mist generators associated with the fluid compartment, a control circuit and power source to provide operation of the apparatus and varying nano mist generation levels, and bristles. It also has a detachable bristle pad.

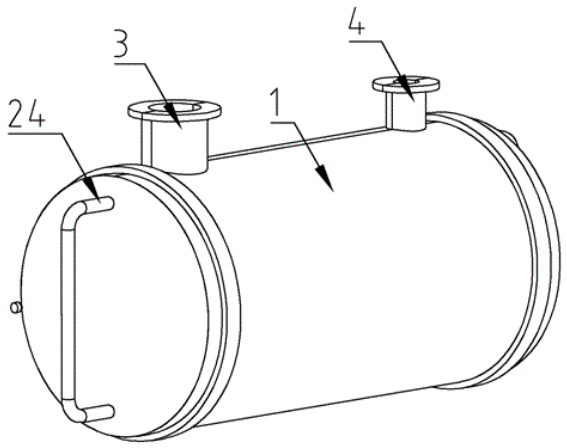


21: 2024/08620. 22: 2024/11/13. 43: 2025/10/10
51: A01G; A01N
71: Heilongjiang Green Food Science Research Institute, Northeast Agricultural University
72: LI, Fenglan, WANG, Xue, LI, Xiaozhong, TIAN, Miao, WANG, Yingnan, HE, Fumeng, FENG, Xu, HU, Xiaomei, XU, Yongqing, LIU, Dan, WANG, Linlin
54: MICROBIAL PREPARATION FOR PROMOTING ORYZA SATIVA ROOTING AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF
00: -

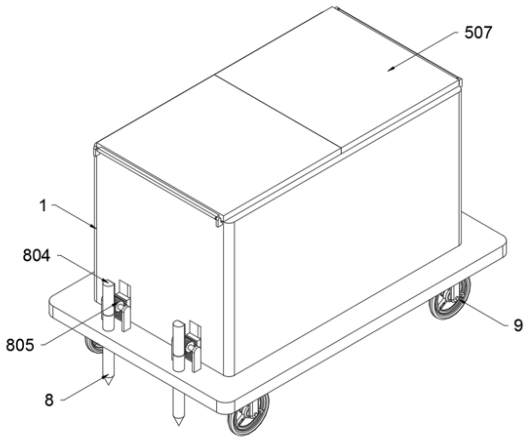
Disclosed is a microbial preparation for promoting Oryza sativa rooting and a preparation method and an application thereof. The main components of a microbial preparation for promoting Oryza sativa

rooting include compound microorganisms, charcoal powder, glucose and/or sucrose, ammonium sulfate, dipotassium hydrogen phosphate, magnesium sulfate and sodium borate. Each of the raw materials in parts by weight includes 26 parts of the compound microorganisms, 42 parts of the charcoal powder, 2 parts of the glucose and/or 2 parts of the sucrose, 5 parts of the ammonium sulfate, 1.4 parts of the dipotassium hydrogen phosphate, 0.7 parts of the magnesium sulfate and 0.1 parts of the sodium borate. When applying the preparation, first, the preparation is diluted into a suspension liquid with clean water, then the suspension liquid is evenly sprayed once in a paddy field at the 1-leaf-1-terminal bud stage, 2-leaf-1-terminal bud stage, 3-leaf-1-terminal bud stage, and jointing-booting stage.

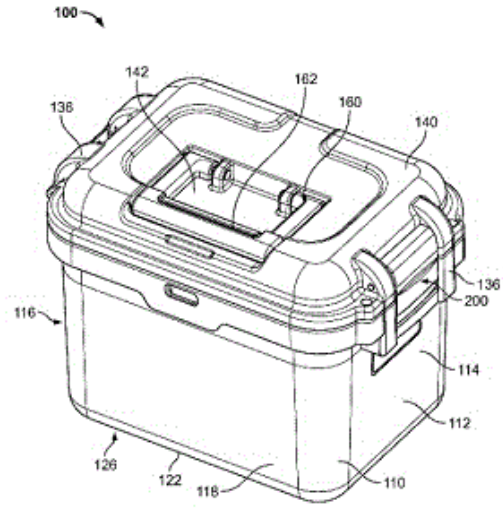
21: 2024/08697. 22: 2024/11/15. 43: 2025/09/16
51: F17C
71: SHANDONG ZHONGJIE PRESSURE EQUIPMENT CO., LTD.
72: ZHANG, Teng, YUAN, Qihe, LI, Chuanjie, LIU, Zhangyan, HAO, Yuguo
33: CN 31: 202410976959.2 32: 2024-07-22
54: PETROCHEMICAL HORIZONTAL PRESSURE VESSEL
00: -
The present invention is applicable to the petrochemical field and provides a petrochemical horizontal pressure vessel comprising: a vessel body, the vessel body being provided with a feeding structure, wherein the feeding structure comprises a primary feeding duct and a secondary feeding duct provided at a top of each end of the vessel body; a partition plate, and an internal cleaning assembly. This petrochemical horizontal pressure vessel offers good flexibility through the setup of the feed structure, partition plate and position adjusting assembly, which can be adapted to different operating conditions and material requirements, enabling the space allocation inside the vessel to be adjusted as needed to meet the changing needs of the production process. The provision of the internal cleaning assembly and the movement of the partition plates allow the internal walls of the vessel and the partition plates to be continuously jet cleaned. This helps to prevent the build-up of material residues and contamination, keeping the interior of the vessel clean and ensuring product quality and production safety.



21: 2024/08883. 22: 2024/11/21. 43: 2025/10/10
51: A01G; G01N; G05B
71: LIAONING INSTITUTE OF SCIENCE AND TECHNOLOGY
72: DONG, Zhigui, LIU, Feng, YANG, Tianyi
54: SMART AGRICULTURAL MONITORING DEVICE BASED ON 5G
00: -
The present application provides a smart agricultural monitoring device based on 5G comprising a carrying box body with a lifting plate inside; both sides of an upper surface of the lifting plate are fixedly provided with placing frames. In the device, through the body, a first unfolding assembly and a second unfolding assembly, when smart agricultural monitoring is not required for operation, the monitoring device is located inside the carrying box body for protection against debris, wind and sand, When the monitoring operation is required, the upper monitoring device moves outwards and protecting plates on both sides of the top are opened as the monitoring device moves. A bottom soil humidity detector drives sliding plates on both sides of the bottom to slide to both sides, and the soil humidity detector is in contact with the soil for detecting the soil, thereby improving the monitoring accuracy of the monitoring device.



21: 2024/09228. 22: 2024/12/02. 43: 2025/08/01
51: A45C; B65D
71: YETI COOLERS, LLC
72: MILLER, MARK D, LOMBARDI, NICHOLAS JAMES, SCOTT, STEVEN M, RUCHTE, ELIZABETH, WINTERHALTER, ANDREW J, MORRIS, LIZA
33: US 31: 17/835,849 32: 2022-06-08
54: CONTAINER WITH HANDLE AND LATCHING SYSTEM
00: -
A container having a base and a lid is provided. The lid may be rotatable about a hinge from a closed configuration to an open configuration and may be secured, via one or more latching assemblies. The latch assembly may comprise a latch body, a locking member, a biasing member, and an activating member. The lid may have a handle that has a stowed and a carry position, where the handle may be maintained in the stowed position until acted upon by a first force greater than a threshold force to move the handle from the stowed position to the carry position. Similarly, when in the carry position, the handle may be maintained in the carry position until acted upon by a second force greater than the threshold force to move the handle from the carry position to the stowed position.

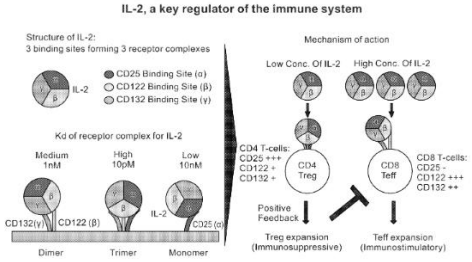


21: 2024/09302. 22: 2024/12/04. 43: 2025/08/15
51: A61K; A61Q
71: Givaudan SA
72: HUMEAU, Anne, MEUNIER, Marie, SCANDOLERA, Amandine, DE BIZEMONT, Audrey, REYNAUD, Romain
33: GB 31: 2206529.6 32: 2022-05-05
54: METHOD OF PREPARING A MASTOCARPUS STELLATUS EXTRACT
00: -
A method of preparing a Mastocarpus stellatus extract is disclosed, as well as cosmetic uses of the extract.

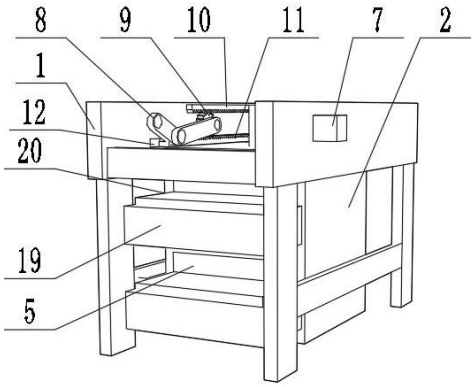
21: 2024/09453. 22: 2024/12/09. 43: 2025/09/16
51: C03B; C03C
71: HENAN JIAOYUAN ENGINEERING TECHNOLOGY GROUP CO., LTD, NORTH CHINA UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER
72: SHAO, Jinggan, WANG, Xiao, GAO, Yanlong, WANG, Baolin, WANG, Junchao, LI, Wenkai, MENG, Yingying, WANG, Jingbo, HAO, Xiangdong, XIE, Xiangbing, JING, Haowen, DENG, Ruonan
33: CN 31: 202410395420.8 32: 2024-04-02
54: ZIRCONIA PHASE TRANSITION-BASED TOUGHENED BASALT FIBER AND PREPARATION METHOD THEREOF
00: -
Disclosed are a zirconia phase transition-based toughened basalt fiber and a preparation method thereof. The zirconia phase transition-based toughened basalt fiber includes the following components in parts by mass: 100 parts of basalt, 5-10 parts of a phase-transition toughening material,

and 0.5-1.5 parts of an inorganic reinforcing whisker, wherein the phase-transition toughening material includes a metal oxide support, an yttria-doped tetragonal nanosized zirconia, and a grinding aid. The preparation method includes: subjecting the basalt to crushing, grinding and sieving in sequence, then melting by heating to a melting temperature and holding at the melting temperature to obtain a basalt melt; then adding the phase-transition toughening material into the basalt melt and conducting ultrasonic dispersion, and cooling; and then adding the inorganic reinforcing whisker and conducting ultrasonic dispersion to obtain a mixed melt, and then drawing the mixed melt to obtain the zirconia phase transition-based toughened basalt fiber.

21: 2024/09636. 22: 2024/12/13. 43: 2025/09/10
51: A61K; C07K; A61P
71: AULOS BIOSCIENCE, INC
72: AMIT, Inbar, LEVIN, Itay, NIMROD, Guy, FISCHMAN, Sharon, BARAK FUCHS, Reut, ŠTRAJBL, Marek, WYANT, Timothy, ZHENIN, Michael, BLUVSHTEIN YERMOLAEV, Olga, SASSON, Yehezkel, GROSSMAN, Noam, LEVITIN, Natalia, OFRAN, Yanay
33: US 31: 62/977,292 32: 2020-02-16
33: US 31: 63/139,315 32: 2021-01-20
54: ENGINEERED ANTI-IL-2 ANTIBODIES
00: -
Described herein are engineered anti-IL-2 antibodies with modified amino acid sequences. The engineered antibodies would confer modified receptor binding specificity to an IL-2-anti-IL2 antibody complex, inhibiting the binding of IL-2 to CD25. The engineered anti-IL-2 antibodies would facilitate expansion of subsets of effector immune cells and decrease undesirable effects caused by IL-2. Thus, the engineered anti-IL-2 antibodies would be useful in treating disease such as cancer and infection.



21: 2024/09704. 22: 2024/12/17. 43: 2025/10/13
51: B07B
71: LUDONG UNIVERSITY
72: ZHOU, Hong, LUAN, Yexing, CHU, Shiqin, ZHOU, Jianbo
54: SAND SCREENING DEVICE FOR HIGH EFFICIENCY CIVIL ENGINEERING EXPERIMENT
00: -
The invention provides a sand screening device for efficient civil engineering experiments, addressing the technical field of sand screening. It comprises a support frame with a vibration component, a screening box fixed on the vibration component, and multiple filter screens within the box. The filter screens have decreasing apertures from top to bottom. One side of the screening box includes power components connected to a cleaning plate, which interacts with the filter screens. The other side contains a limit component for stability. Collection components are positioned beneath the filter screens to gather screened materials, featuring multiple openings for efficient removal. The device ensures continuous operation by preventing blockage of filter screens, thereby improving screening efficiency. Its design allows for easy cleaning and maintenance while facilitating precise separation of materials during experiments, solving common issues of poor performance due to screen blockages in similar systems.

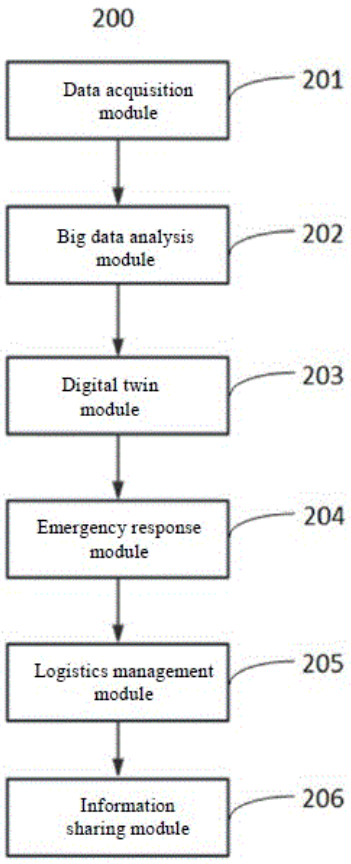


21: 2024/09778. 22: 2024/12/18. 43: 2025/08/21
51: G06F; G06Q
71: CNNC Zhejiang Energy Co., Ltd.
72: YANG, Yunfei, ZHONG, Hua, YAO, Zhaohong, CHEN, Hua, XIAO, Bo, LIU, Qiang, CHEN, Ziming, SHEN, Guozhang, YUAN, Zhongdong, LIAO, Jun, XU, Jun, WANG, Wushi, CHEN, Jiangang, HUANG, Qiang, GUO, Shanxing, LIU, Chenggang, WANG, Yuechun, SONG, Xiaobo, YAN, Zhuoqi, LIU, Xiaodong, WANG, Tianwei, LI, Jun, YE, Jiayang, ZHONG, Jun, LI, Zongbao
33: CN 31: 202411119649.5 32: 2024-08-15

54: CONSTRUCTION MANAGEMENT SYSTEM AND METHOD

00: -

The disclosure relates to a construction management system for intelligent building of nuclear power construction, including: a data acquisition module, a big data analysis module, a digital twin module, an emergency response module, a logistics management module, and an information sharing module. A construction management method is also provided. A sensor network and big data analysis module collect and analyze various types of data of the construction site in real-time enabling management personnel to be timeously aware of construction progress and making quick decisions, delaying and reducing downtime, predicting construction data, optimizing through a machine-learning algorithm the construction scheme and improving construction efficiency. The sensor network monitors stress and deformation conditions of key structure parts in real-time, ensuring construction quality, timeously finding and preventing potential structural problems, while digital twin technology realizes linkage of virtual and real worlds, ensuring that construction is carried out according to design specifications, improving the construction quality.



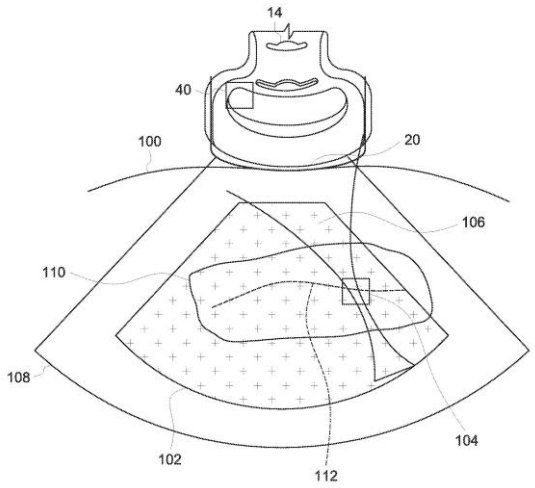
21: 2024/09940. 22: 2024/12/20. 43: 2025/08/15
51: A61B; A61N
71: GE Precision Healthcare LLC
72: SHOUDY, David Andrew, GRIFFIN, Weston Blaine, MADHAVAN, Radhika, ASHE, Jeffrey Michael
33: US 31: 17/809,311 32: 2022-06-28

54: SYSTEMS AND METHODS OF ALIGNMENT CONTROL FOR NEUROMODULATION DELIVERY SYSTEM

00: -

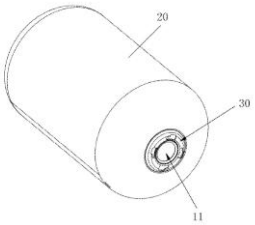
The present discussion relates to structures and devices to facilitate application of an ultrasound therapy beam (106) to a target anatomic region in a replicable manner. In certain aspects, an alignment controller (30) may be used to analyze images generated by an ultrasound transducer. The alignment controller (30) may then send a communication to indicate the energy application device is positioned to provide therapy to the target region, or if the device needs to be repositioned. The

alignment control of the energy application device provides guided repeatable targeting of the target anatomic region, even when in non-clinical settings.



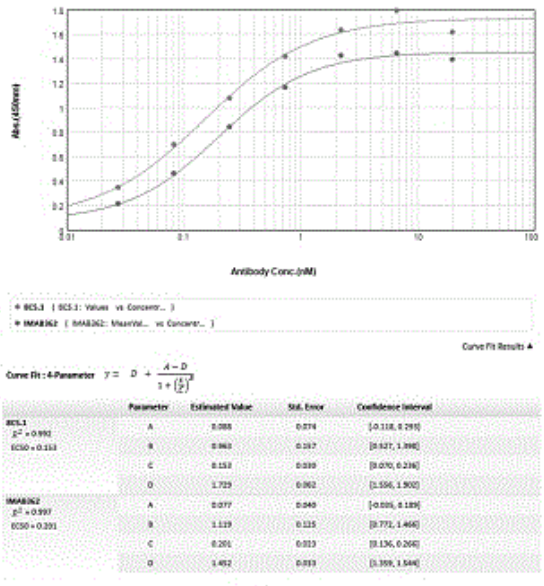
21: 2025/00100. 22: 2025/01/02. 43: 2025/08/04
51: C07K
71: SINGH SIDHU, Sachdev
72: SINGH SIDHU, Sachdev
33: US 31: 63/350,299 32: 2022-06-08
54: ANTIBODIES TARGETING INTEGRIN BETA-2
00: -
Provided herein are antibodies that specifically target integrin beta-2 and compositions comprising such antibodies for therapeutic and diagnostic applications. The antibodies comprise an integrin beta-2 binding domain comprising a heavy chain variable region comprising an HCDR1 sequence comprising ISYYYM, an HCDR2 sequence comprising SISSSSGYTY, and an HCDR3 sequence comprising GAM, and a light chain variable region comprising an LCDR1 sequence comprising SVSSA; an LCDR2 sequence comprising SASSLYS; and an LCDR3 sequence comprising FSSGSWAPI.

21: 2025/00111. 22: 2025/01/02. 43: 2025/08/04
51: F24H
71: Qingdao Economic and Technological Development District Haier Water Heater Co., Ltd., Haier Smart Home Co., Ltd.
72: MA, Teng, ZENG, Xianmang, ZHAO, Xiaoyong, DU, Fanglin, LI, Yong, ZHAO, Long, YU, Yongfei
33: CN 31: 202210624531.2 32: 2022-06-02
33: CN 31: 202221387758.1 32: 2022-06-02
54: NON-METAL LINER AND ELECTRIC WATER HEATER HAVING SAME
00: -
The present application relates to the technical field of electric water heaters. Disclosed are a non-metal liner and an electric water heater having same. The non-metal liner comprises a liner body, a reinforcement layer and a liner flange, a liner port being formed in one end of the liner body, a limiting annular part surrounding the liner port being arranged on the outer side of the liner port, the reinforcement layer covering the periphery of the liner body, the inner end of the liner flange being limited and fixed by the limiting annular part, and the outer end of thereof being fixed between the liner body and the reinforcement layer.

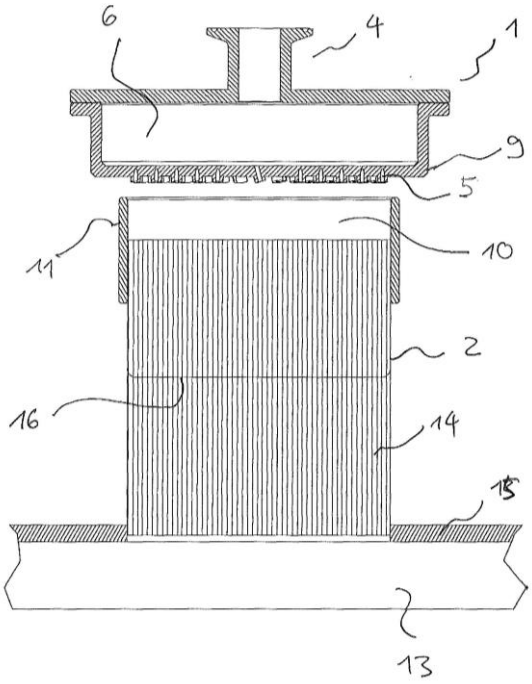


21: 2025/00116. 22: 2025/01/02. 43: 2025/08/12
51: C07K; A61K
71: AKESO BIOPHARMA, INC.
72: LI, BAIYONG, XIA, YU, WANG, ZHONGMIN, ZHANG, PENG
33: CN 31: 202211211390.8 32: 2022-09-30
33: CN 31: 202210676083.0 32: 2022-06-15
54: ANTI-CLDN18.2 ANTIBODY, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF
00: -
Provided are an anti-CLDN18.2 antibody, and a pharmaceutical composition and the use thereof. Specifically, provided is an anti-CLDN18.2 antibody or an antigen-binding fragment thereof. The anti-CLDN18.2 antibody comprises a heavy chain variable region and a light chain variable region, the heavy chain variable region comprises HCDR1 to HCDR3, and the light chain variable region comprises LCDR1 to LCDR3, wherein the amino acid sequence of HCDR1 is as shown in SEQ ID NO: 5, the amino acid sequence of HCDR2 is as shown in SEQ ID NO: 6, and the amino acid sequence of HCDR3 is as shown in SEQ ID NO: 7; and the amino acid sequence of LCDR1 is as shown in SEQ ID NO: 8, the amino acid sequence of LCDR2 is as shown in SEQ ID NO: 9, and the amino acid sequence of LCDR3 is as shown in SEQ ID NO:

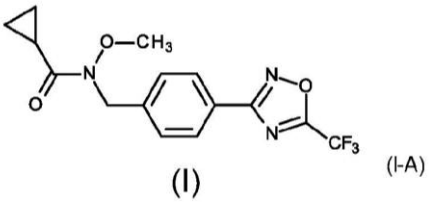
10. The anti-CLDN18.2 antibody has a good biological activity and anti-tumor application prospects.



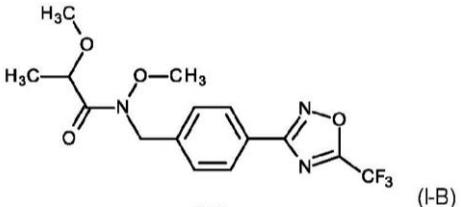
21: 2025/00286. 22: 2025/01/08. 43: 2025/08/05
51: B05C
71: Umicore AG & Co. KG
72: KLOSSNER, Fabian, LOPEZ, Marco, MASSON, Stéphane
33: DE 31: 10 2022 121 499.0 32: 2022-08-25
54: APPLICATOR FOR APPLYING COATING MEDIUM TO SUBSTRATES
00: -
The invention relates to an applicator (1) for coating a substrate (2) with a coating medium (3), wherein the applicator (1) has at least one supply line (4) for the coating medium, an end plate (9) with at least one nozzle (5) for applying the coating medium onto the substrate (2), and a cavity (6) in which the coating medium can be distributed prior to application onto the substrate (2), wherein at least one nozzle (5) is laterally inclined. The invention also relates to applicator systems, devices, methods and uses related to the applicator.



21: 2025/00287. 22: 2025/01/08. 43: 2025/08/04
51: A01N; A01P; C07D
71: Syngenta Crop Protection AG
72: ELSNER, Jochen, TERINEK, Miroslav
33: EP(CH) 31: 22186283.2 32: 2022-07-21
54: CRYSTALLINE FORMS OF 1,2,4-OXADIAZOLE FUNGICIDES
00: -
The invention relates to crystalline forms of compounds of formula (I-A) and (I-B) (I-A) (I-B) compositions comprising said crystalline forms and methods of their use as fungicides.



(I) (I-A)



(II) (I-B)

21: 2025/00288. 22: 2025/01/08. 43: 2025/08/15

51: C07C
71: Honeywell International Inc.
72: HORWATH, Richard D., KOPKALLI, Haluk, CERRI, Gustavo, CLOSE, Joshua, MERKEL, Daniel C., MCLAINE, Jennifer W., FATTORE, Alex C., PHAM, Hang T., NAVAR, Carlos, HOWARD, Justin
33: US 31: 63/389,174 32: 2022-07-14
54: METHOD FOR REDUCING CHLOROFLUOROCARBON IMPURITIES IN THE MANUFACTURE OF TRANS-1,3,3,3-TETRAFLUOROPROPENE (HFO-1234ze(E))
00: -
Two methods for reducing CFC impurities and, in particular, CFC-114, in the HFO-1234ze(E) production process from the reaction of CFC-113 and HF. The first method involves subjecting an intermediate or recycle stream to separation and distillation to purge CFC-113 from the process. The second method involves operating the separation at a higher pressure avoids the formation of an azeotrope between CFC-113 and HFC-245fa. The CFC-113/HFC245fa azeotrope is discussed, as well as other optional processes for removal or mitigation of CFC-113 which include include further separations that remove CFC-114 from the HFO-1234ze(E) product and/or CFC-1 13 from the HFC-245fa feed to produce an HFO-1234ze(E) product that is largely free from CFC-114 and other CFC impurities.

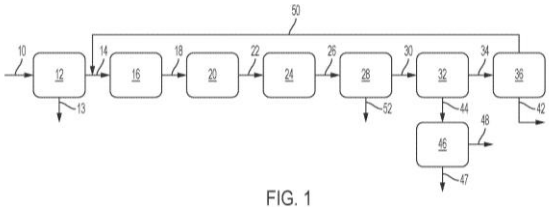


FIG. 1

21: 2025/00439. 22: 2025/01/14. 43: 2025/10/10
51: A61K; C07D; C07F; A61P
71: GILEAD SCIENCES, INC.
72: KATO, DARRYL, FARAND, JULIE, GRAUPE, MICHAEL, GUNEY, TEZCAN, LI, JIAYAO, LINK, JOHN O., MACK, JAMES B.C., MUN, DONG MIN, SAITO, ROLAND D., WATKINS, WILLIAM J., ZHANG, JENNIFER R.
33: US 31: 63/285,730 32: 2021-12-03
33: US 31: 63/356,889 32: 2022-06-29
54: THERAPEUTIC COMPOUNDS FOR HIV VIRUS INFECTION
00: -
The present disclosure relates generally to certain compounds, pharmaceutical compositions comprising said compounds, and methods of making and using said compounds and pharmaceutical compositions. The compounds and compositions provided herein may be used for the treatment or prevention of a Retroviridae infection, including an HIV infection.

21: 2025/00506. 22: 2025/01/15. 43: 2025/08/08
51: A23K; A61K; A61P
71: Lesaffre et Compagnie
72: SCHULTHESS, Julie, KUHN, Géraldine
33: FR 31: 2207447 32: 2022-07-20
54: β-GLUCAN-RICH *SACCHAROMYCES CEREVISIAE* YEAST CELL WALL EXTRACT IN THE PREVENTION OR TREATMENT OF A DISEASE ASSOCIATED WITH OR CAUSED BY A *LAWSONIA INTRACELLULARIS* INFECTION
00: -
The invention relates to a β-glucan-rich *Saccharomyces cerevisiae* yeast cell wall extract for use in the prevention or treatment of a disease associated with or caused by a *Lawsonia intracellularis* infection in pigs, characterised in that the extract comprises β-glucans and mannans, where the β-glucans are present in the form of a mixture of β-1,3-glucans and β-1,6-glucans in a total amount of greater than or equal to 50% by weight, notably of between 50% and 99% by weight, and where the mannans are present in a total amount of less than 5% by weight, notably of between 1% and 5% by weight.

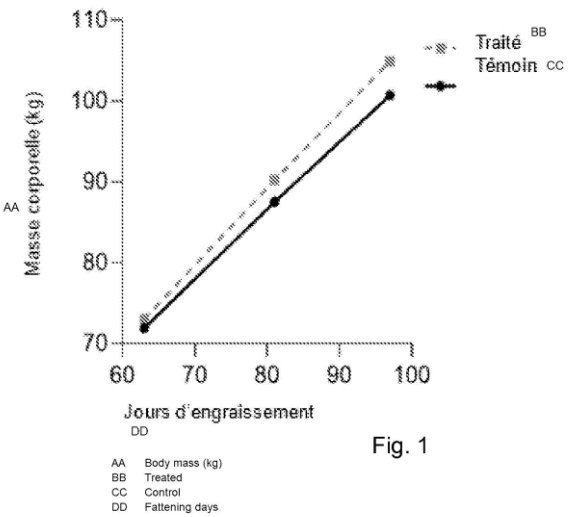
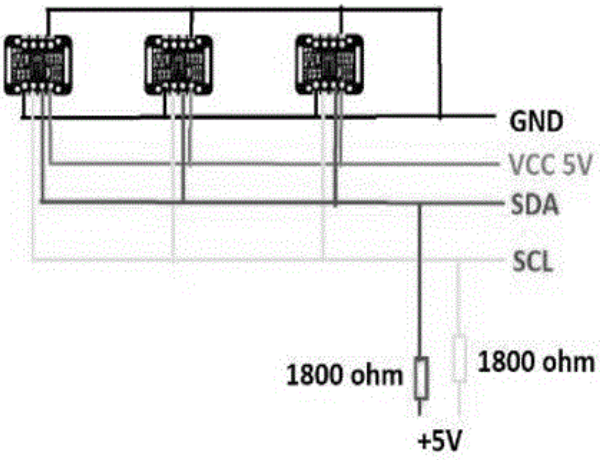


Fig. 1

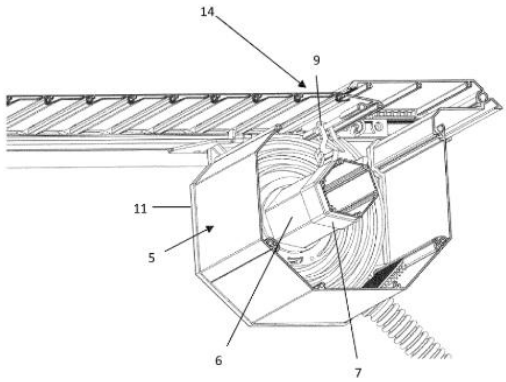
AA Body mass (kg)
BB Treated
CC Control
DD Fattening days

21: 2025/00590. 22: 2025/01/17. 43: 2025/10/07
51: A61B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JANOKAR, Sagar, NANDWALKAR, Kumar, NAMA, Omkar, NANEKAR, Apurva, NANGARE, Gayatri, NANGARE, Amarsinh, NANDANE, Hemant
54: A VEIN DETECTION SYSTEM USING PULSE OXIMETER
00: -
The present invention relates to a vein detection system using pulse oximeter, designed to aid in

precise vein identification. The system employs three MAX30102 sensors connected to an Arduino master via the I2C protocol. The Arduino sequentially reads oxygen levels from each sensor, stores the values in three variables, and identifies the sensor with the lowest oxygen level, indicating deoxygenation. The corresponding sensor's light illuminates, marking the optimal site for puncture. This system is highly beneficial for medical students, rural clinics, and healthcare professionals, improving vein detection accuracy and reducing procedural complications. It offers real-time feedback and helps improve patient care, especially in settings with limited medical resources.



21: 2025/00612. 22: 2025/01/17. 43: 2025/07/23
51: B60J
71: GI.ANSO 4X4 CLUB, S.A.
72: MICHAILIDIS, Athinodoros
33: EP 31: 22185152.0 32: 2022-07-15
54: COVER ASSEMBLY FOR TRUCK BED
00: -
A cover assembly for the truck bed of a pick-up type vehicle, said cover assembly comprising a rollable curtain (1) having a plurality of transverse adjacent panels (2) hingedly linked to one another; a pair of side rails (3, 4) adapted to be mounted on upper portions of the side walls of the truck bed for guiding the end portions of the transverse adjacent panels (2) and a housing box (5) adapted for receiving and storing the rollable curtain (1), wherein the housing box (5) comprises a transverse rotatable shaft (6) mounted therein, one or more sleeve elements (7, 8) mounted on said transverse rotatable shaft (6), one or more collapsible curtain engaging means (9, 10) each mounted to said one or more sleeve elements (7, 8), respectively, and designed to engage an inner end of the rollable curtain (1), and side walls (11, 12), each having inwardly extending continuous helical trackways defining a rolling path.



21: 2025/00613. 22: 2025/01/17. 43: 2025/07/23
51: B60J
71: GI.ANSO 4X4 CLUB, S.A.
72: MICHAILIDIS, Athinodoros
33: EP 31: 22185542.2 32: 2022-07-18
54: COVER ASSEMBLY FOR TRUCK BED
00: -
A cover assembly for the truck bed of a pick-up type vehicle, said assembly comprising a motorised rollable curtain (1) formed by a plurality of adjacent transverse panels (2), which are continuously connected along their transverse length by hinge joints (3), and an end slat (4), said curtain (1) coupled at one end to a transverse rotatable shaft to allow winding and unwinding thereon, wherein the end slat (4) comprises one or more electric elements (16, 17, 18, 19) connected to a stationary electric element, i.e., a smart-AI control circuit board (9) mounted on the housing box (7), in such a manner that the electric elements (16, 17, 18, 19) are continuously powered during operation of the cover assembly.

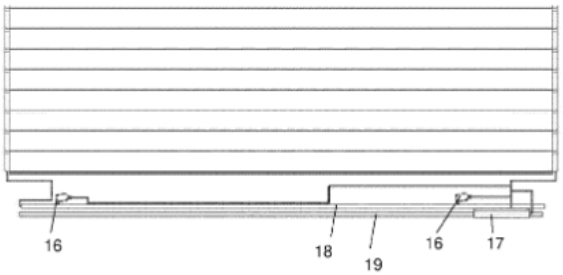


Fig. 5

21: 2025/00614. 22: 2025/01/17. 43: 2025/07/23
51: B60J
71: GI.ANSO 4X4 CLUB, S.A.
72: MICHAILIDIS, Athinodoros
33: EP 31: 22185540.6 32: 2022-07-18
54: KITS FOR A TRUCK BED COVER ASSEMBLY
00: -
Conversion kits for converting a manually operated roll-up cover assembly for a truck bed to a motorized roll-up cover assembly or to spring assisted roll-up cover, the manually operated roll-up cover assembly including a rollable curtain (1) formed of a plurality of adjacent transverse panels (2) and a housing box (3) adapted to be mounted at the forward end of the truck bed for receiving and storing said rollable curtain, said housing box (3) comprising a hollow transverse rotatable shaft (4) mounted therein.

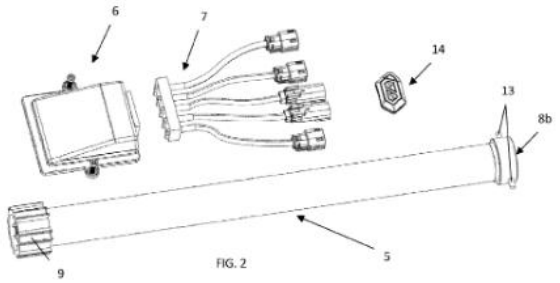
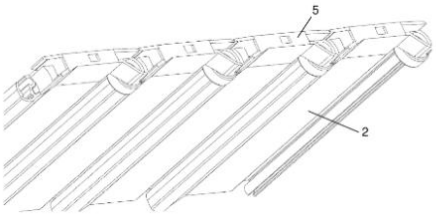
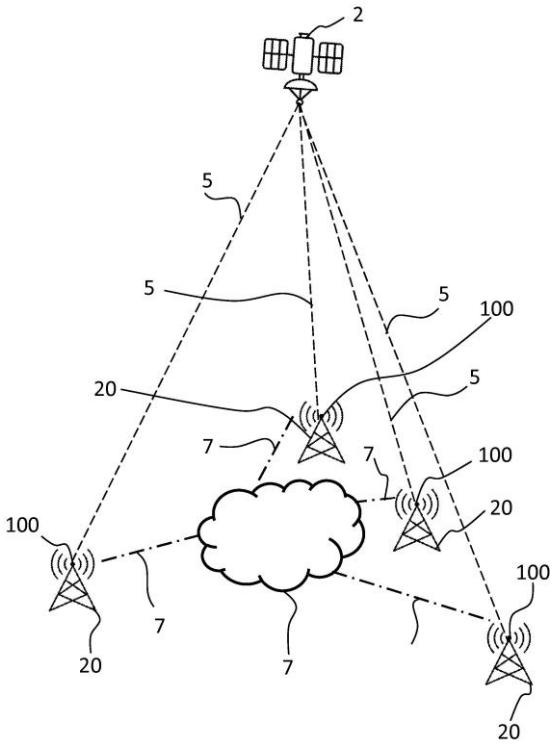


FIG. 2

21: 2025/00618. 22: 2025/01/17. 43: 2025/07/23
51: B60J
71: GI.ANSO 4X4 CLUB, S.A.
72: MICHAILIDIS, Athinodoros
33: EP 31: 22185538.0 32: 2022-07-18
54: COVER ASSEMBLY FOR TRUCK BED
00: -
A cover assembly for the truck bed of a pick-up type vehicle, said assembly comprising a housing box (21) and a rollable curtain (1) formed by a plurality of adjacent transverse panels (2), which are continuously connected along their transverse length by hinge joints (3), and an end slat (4), said curtain (1) coupled at one end to a rotatable transverse shaft to allow winding and unwinding thereon, the assembly further comprises a plurality of cable guiding elements (5) mounted to at least part of the plurality of adjacent transverse panels (2) and/or the end slat (4) and configured to receive cable wires therethrough for providing a wired connection between electrical elements (17, 18, 19) arranged on the rollable curtain (1) and stationary elements of the housing box (21) along at least one longitudinal length of the rollable curtain (1) during winding and unwinding of the later.



21: 2025/00642. 22: 2025/01/20. 43: 2025/08/06
51: G01S; G01W; H04B
71: Skyfora Oy
72: HENRIKSSON, Svante, BORGSTRÖM, Fredrik, KAISTI, Kim
33: FI 31: 20225616 32: 2022-07-01
54: SYSTEM AND METHOD FOR METEOROLOGICAL MODELLING
00: -
The invention relates to a system and method for meteorological modelling. The method comprises carrying out data exchange in an infrastructure network, receiving navigation satellite system signals (5) from the navigation satellites (2) of the global navigation satellite system in the infrastructure network nodes (20, 21, 22, 23, 24, 25, 26), and controlling operation of the infrastructure network nodes (20, 21, 22, 23, 24, 25, 26) based on the received navigation satellite system signals (5). The method further comprises determining atmospheric delays of the navigation satellite system signals (5), and calculating atmospheric quantities between the navigation satellites (2) and the infrastructure network nodes (20, 21, 22, 23, 24, 25, 26) based on the determined atmospheric delays of the navigation satellite system signals (5).



21: 2025/00745. 22: 2025/01/22. 43: 2025/08/15
51: A61K; A61P
71: KoDiscovery, LLC
72: KO, Young Hee
33: US 31: 63/359,674 32: 2022-07-08

54: COMBINATION IMMUNORESPONSE REGULATOR/IMMUNOTHERAPY SYSTEM AND METHOD

00: -

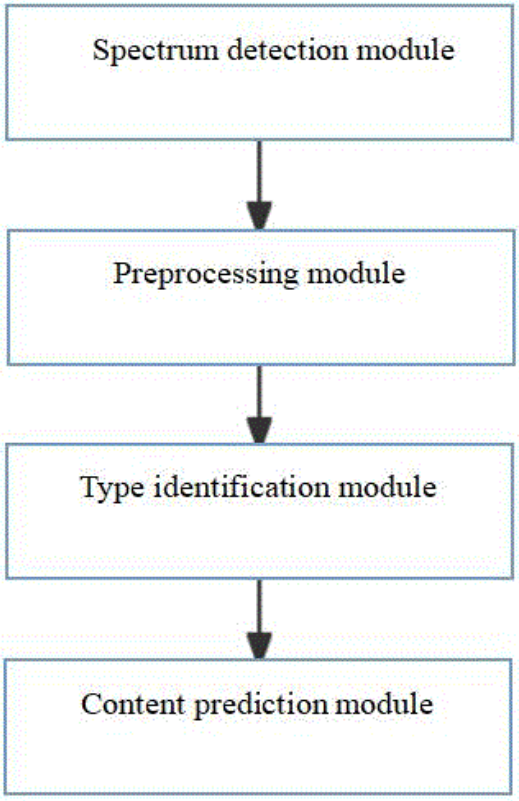
A system for the treatment of a condition susceptible to overactivation of a subject's immune system, is described and discussed. The system includes an immunotherapeutic capable of treating a condition by modulating activity of a subject's immune system and an immunoresponse regulator composition that includes 3-bromopyruvic acid (3-BP) and salts thereof, at least one sugar to stabilize the 3-BP by substantially preventing the 3-BP from hydrolyzing, and a biological buffer present in an amount sufficient to at least partially deacidify and neutralize metabolic by-products of the 3-BP.

21: 2025/00780. 22: 2025/01/23. 43: 2025/08/04
51: G01N
71: Nankai University
72: Xu Xiaoxuan, Wang bin, Liang jing, Huang Mingyue, Feng Hailong, Xujing

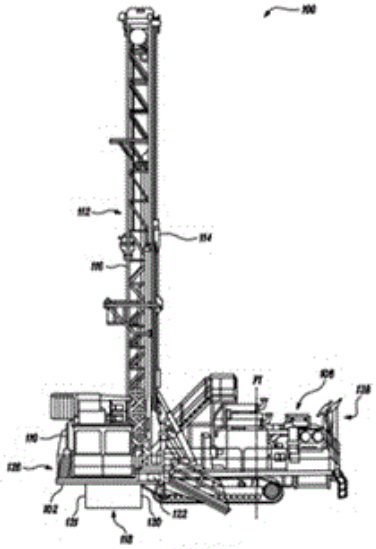
54: A SPECTROSCOPIC DETECTION METHOD AND DEVICE FOR ILLEGAL ADDITIVES IN GASOLINE

00: -

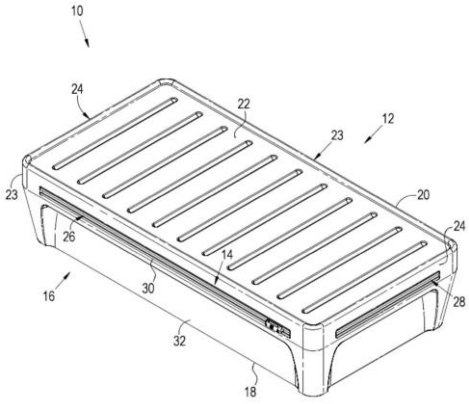
The invention provides a spectroscopic detection method and device for illegal additives in gasoline, it relates to the field of spectroscopic detection. The method for detecting illegal additives in gasoline includes the following specific steps: Step 1, obtaining Raman spectra of gasoline and pure gasoline samples containing illegal additives to be detected; Step 2, all the obtained Raman spectra are subjected to fluorescence background removal treatment; Step 3, qualitatively analyzing illegal additives in gasoline based on machine learning algorithm; Step 4, carrying out characteristic wavelength selection on the spectral data to be identified based on a characteristic wavelength selection algorithm. When identifying the types of illegal additives in gasoline, the original Raman spectrum data can be defluorinated, which can eliminate the fluorescence influence in the spectral data and improve the quality of the spectral data, thus improving the accuracy of identifying the types of illegal additives in gasoline.



21: 2025/00829. 22: 2025/01/24. 43: 2025/08/13
51: E21B
71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC
72: KRISHNAMOORTHY, TAMILSELVAN, CHRISTIANSON, SCOTT ALAN
33: US 31: 18/437,319 32: 2024-02-09
54: LIFTING ASSEMBLY FOR DUST CURTAIN OF WORK MACHINE
00: -
A lifting assembly for a dust curtain of a work machine includes a pair of mounting brackets. Each mounting bracket is coupled to a frame of the work machine. The lifting assembly also includes an arm assembly pivotally coupled to each mounting bracket and is movable relative to the mounting brackets between a first state in which the dust curtain is disposed in a lowered position and a second state in which the dust curtain is disposed in a lifted position. The arm assembly includes a first arm member and a second arm member. The first arm member includes a first linear portion and a first curved portion. The second arm member includes a second linear portion and a second curved portion. The lifting assembly further includes a lifting plate coupled to the dust curtain and a linkage assembly coupling the arm assembly with the lifting plate.

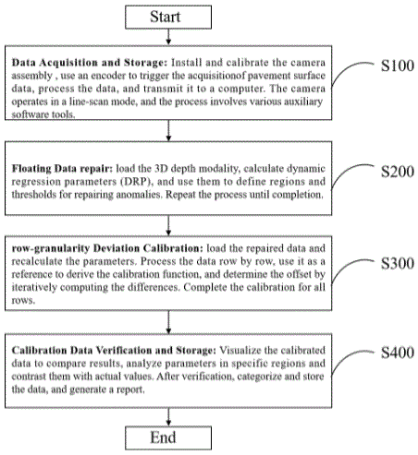


21: 2025/00830. 22: 2025/01/24. 43: 2025/07/31
51: A47C; A61G
71: Cranium Medical Products (Pty) Ltd
72: CLIFFE, Allen
33: ZA 31: 2023/09977 32: 2023-10-26
54: Restraining System
00: -
The invention relates to a restraining system 10 for restraining a patient to a bed 12. The restraining system 10 includes a restraint element or strap configured to restrain a person on the bed and a mounting arrangement 14 to which the restraint element is connected. The mounting arrangement is connected to the bed 12 and includes an elongate guide 30 and a restraint element connecting member 32 to which the restraint element is connected, and which is longitudinally displaceable along the guide 30 to permit displacement of the position of the connection of the restraint element relative to the mounting arrangement 14. The mounting arrangement includes locking means configured to lock the restraint element connecting member releasably to the guide. The Applicant believes that this arrangement will permit optimum positioning of restraint elements to restrain a patient on the bed thereby catering for different sizes of patients and reducing the possible risk of injury or discomfort to the patient.

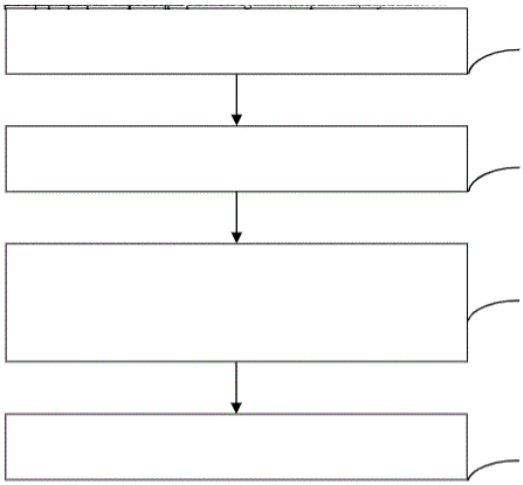


21: 2025/00833. 22: 2025/01/24. 43: 2025/07/31
51: G01N
71: CHANG'AN UNIVERSITY
72: Bo YUAN, Lili PEI, Wei LI, Jiaqi SHI, Yansong WANG, Xueli HAO
33: CN 31: 2024119371670 32: 2024-12-26
54: A METHOD FOR CALIBRATION OF THREE-DIMENSIONAL DEPTH MODALITY DEVIATIONS IN PAVEMENT SURFACES
00: -
This invention discloses a method for calibrating 3D depth modality deviations in pavement surfaces, involving the field of 3D data processing and computer image processing technology. The

invention method includes data acquisition and storage, floating data repair, row-granularity deviation calibration, as well as calibration data validation and storage. By adopting a combination of high-speed 3D structured light measurement camera assembly and a mobile inspection platform, this invention achieves precise acquisition of 3D depth modality of pavement surfaces. Meanwhile, using dynamic regression parameter (DRP) and a sliding threshold region -based floating data repair method, it effectively repairs floating anomalies in the 3D depth modality. Additionally, it proposes a row-granularity deviation calibration method based on a reference plane of DRP, performing row by-row calibration on the 3D depth modality of pavement surfaces, significantly improving the row-granularity deviation issue. This invention effectively addresses data deviation problems, providing reliable data support for pavement distress analysis and enhancing the accuracy and efficiency of pavement surface detection.

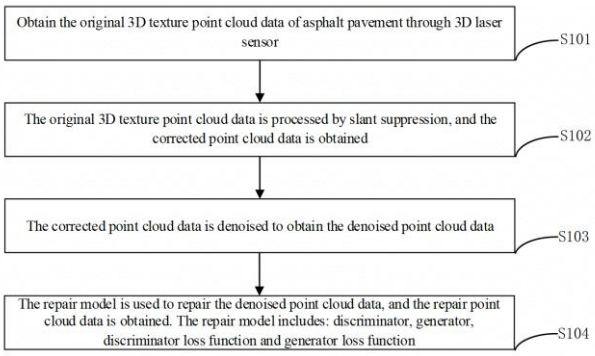


21: 2025/00834. 22: 2025/01/24. 43: 2025/07/31
51: G01N
71: CHANG'AN UNIVERSITY
72: Zhaoyun SUN, Yuhan WENG, Yuanjiao HU, Lili PEI, Xueli HAO, Jun HAO, Bo YUAN, Zhenzhen XING
33: CN 31: 2024106045315 32: 2024-05-15
54: METHOD AND DEVICE FOR EVALUATING SKID RESISTANCE PERFORMANCE OF ASPHALT PAVEMENT BASED ON MULTI-FACTOR COUPLING
00: -
The present invention discloses a method and a device for evaluating skid resistance performance of asphalt pavement based on multi-factor coupling, relates to the technical field of road traffic safety, and solves the problem that there is no skid resistance performance evaluation method that can take into account both accuracy and efficiency in the prior art. The method comprises: obtaining an asphalt pavement sample set; extracting two-dimensional features and three-dimensional features of each sample in the sample set to obtain a multimodal feature data set of the sample set; constructing an evaluation model, and training the evaluation model in combination with the multimodal feature data set to obtain a trained evaluation model; wherein the evaluation model comprises: a base learner , a probability function of a priori distribution, and a scoring function; and using the trained evaluation model to evaluate the skid resistance performance of the asphalt pavement; the method achieves the improvement of the efficiency and accuracy of the skid resistance performance evaluation of the road surface, and provides a good data basis for road driving safety assurance and road maintenance decision-making.



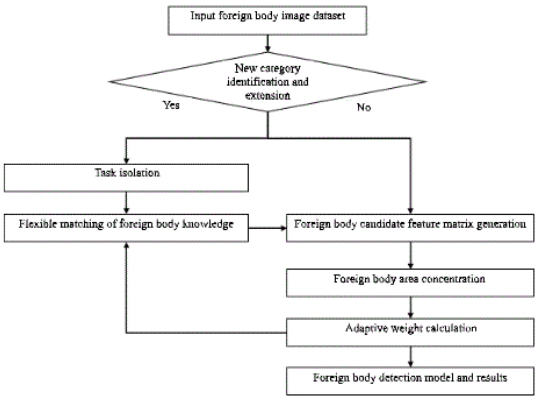
21: 2025/00835. 22: 2025/01/24. 43: 2025/07/31
51: G06T
71: CHANG'AN UNIVERSITY
72: Zhaoyun SUN, Yuanjiao HU, Yuhan WENG, Lili PEI, Xueli HAO, Bo YUAN, Jun HAO, Yingbin GU
33: CN 31: 2024106045334 32: 2024-05-15
54: METHOD AND DEVICE FOR REPAIRING THREE-DIMENSIONAL POINT CLOUD DATA OF ASPHALT PAVEMENT TEXTURE
00: -

The present invention discloses a method and device for repairing three-dimensional point cloud data of asphalt pavement texture, relates to the technical field of road traffic safety, and solves the problem of insufficient point cloud repair accuracy. The method comprises: obtaining original three-dimensional texture point cloud data of asphalt pavement through a three-dimensional laser sensor; performing tilt suppression processing on the original three-dimensional texture point cloud data to obtain corrected point cloud data; performing denoising processing on the corrected point cloud data to obtain denoised point cloud data; performing repair processing on the denoised point cloud data using a repair model to obtain repaired point cloud data; wherein the repair model comprises: a discriminator, a generator, a discriminator loss function and a generator loss function; and achieving the improvement of the network output's ability to fit the pavement texture by defining the loss function of the repair model, significantly improving the quality and availability of pavement texture data , and providing a good data basis for subsequent three- dimensional texture characterization and accurate evaluation of pavement skid resistance performance.



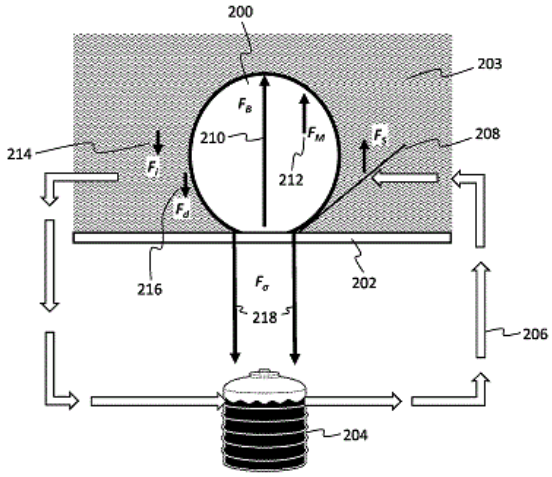
21: 2025/00836. 22: 2025/01/24. 43: 2025/07/31
51: H04L
71: CHANG'AN UNIVERSITY
72: Lili PEI, Wei LI, Jiangang DING, Yiquan DU, Yihui SHAN, Jiaqi SHI, Bo YUAN
33: CN 31: 2024119686863 32: 2024-12-30
54: NEW REAL-TIME DETECTION METHOD FOR FOOD FOREIGN MATTER BASED ON FLEXIBLE FEATURE MATCHING LEARNING
00: -

The present invention discloses a novel real-time detection method for food foreign matter based on flexible feature matching learning, comprising the following steps: Step 1: New category identification and expansion: inputting food foreign matter image data set into new foreign matter learning module; Step 2: inputting into task isolation module; Step 3: flexible matching of foreign matter knowledge; Step 4: generation of foreign matter candidate characteristic matrix; Step 5: foreign matter region focusing; Step 6: adaptive weight calculation module: dynamically adjusting the weight of the model according to the feedback of the previous stage and the importance of the task. The present invention realizes the rapid identification and learning of new foreign matter categories through a method based on flexible feature matching learning, while avoiding catastrophic forgetting, and optimizes the model in the detection process to improve its cross-scenario adaptability and real-time feedback capability. And it can effectively improve the accuracy, efficiency and adaptability of food foreign matter detection, has a wide range of application prospects, especially in real- time detection scenarios such as food production lines, it has important commercial value.

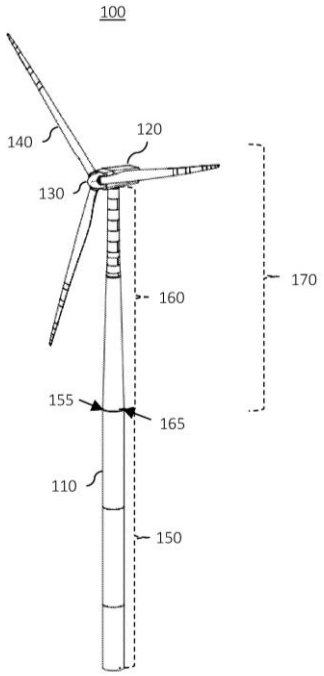


21: 2025/00858. 22: 2025/01/24. 43: 2025/08/05
51: B01J
71: MARINE DOLPHIN ENTERPRISES, LLC
72: SANTOS, Bruce, KENNEY, Michael, FAHRLÄNDER, Klaus
33: US 31: 63/392,059 32: 2022-07-25
33: US 31: 63/397,942 32: 2022-08-15
54: REDUCING SYSTEM ENERGY REQUIREMENTS THROUGH FLUID MANIPULATION TO OVERCOME CAPILLARY FORCES OF GAS BUBBLE FORMATION ON REACTIVE SURFACES
00: -

A fluid associated with the desired chemical or electrochemical reaction is continuously flowed or periodically pulsed across a reaction surface at a flow rate or frequency that coincides with the average time needed for a desired proportion of gas bubbles to grow, as part of the reaction, to a specific diameter. The fluid flow rate used is sufficient to break the capillary forces of a bubble on the reaction surface, at the aforementioned specific diameter. If pulsed, during the time period between the periodic fluid flows or pulses, the fluid either does not flow or is at a low enough flow rate to allow for sufficient reaction kinetics. Curving the reactive surface and fluid flow channel can also reduce the surface tension of the bubble, reducing the fluid flow forces required to dislodge the bubbles at optimal sizes, thus reducing energy requirements to pump the fluid.



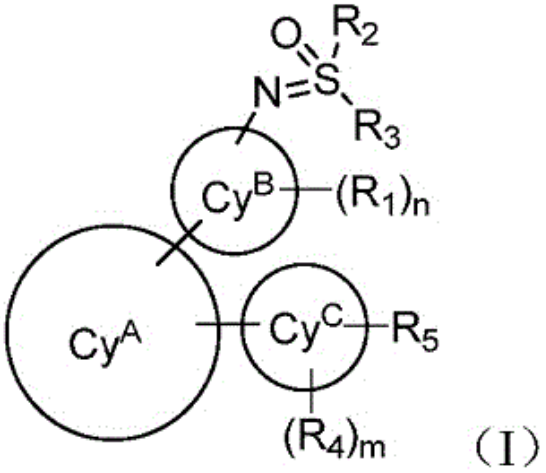
21: 2025/00859. 22: 2025/01/24. 43: 2025/08/05
51: F03D; G05B
71: VINDMARK TECHNOLOGIES AB
72: MATTILA, Lars, LYRNER, Tomas
33: SE 31: 2250798-2 32: 2022-06-28
54: SYSTEM AND METHOD FOR REFURBISHING A WIND TURBINE
00: -
A system (100) for refurbishing an original wind turbine is provided. The system (100) comprises at least one processor (210) configured to: retrieve the average wind speed at the wind turbine site; determine suitable dimensions for a refurbished wind turbine (100) adapted for the wind turbine site; determine which parts of the original wind turbine that could be re-used and still obtain the determined dimensions for the refurbished wind turbine (100); for each part of the original wind turbine that could be re-used, calculate the expected remaining lifetime of said part; if said expected remaining lifetime is above a predetermined minimum lifetime, determine that said part can be re-used in the refurbished wind turbine (100); and select, from a database of replacement wind turbine parts, parts to use instead of the parts needing to be replaced for refurbishing the original wind turbine. Further, a method (400) for refurbishing an original wind turbine is provided.



21: 2025/00860. 22: 2025/01/24. 43: 2025/08/05
51: C07K; C12N; A61K; A61P
71: WESTVAC BIOPHARMA CO., LTD.
72: WEI, XIAWEI, LU, GUANGWEN, CHENG, PING, YANG, LI, LI, JIONG, YANG, JINGYUN, WANG, WEI, WEI, YUQUAN, WANG, ZHENLING, SHEN, GUOBO, ZHAO, ZHIWEI, YANG, JINLIANG
33: CN 31: 202211618137.4 32: 2022-12-15
33: CN 31: 202210802239.5 32: 2022-07-07
54: PHARMACEUTICAL COMPOSITION FOR RESISTING INFECTION WITH SARS-COV-2 OR MUTANT THEREOF, AND COMBINED DRUG THEREOF
00: -
Provided are a pharmaceutical composition for resisting infection with SARS-CoV-2 or a mutant thereof, and a combined drug thereof. To solve the problem of the lack of effective prevention and

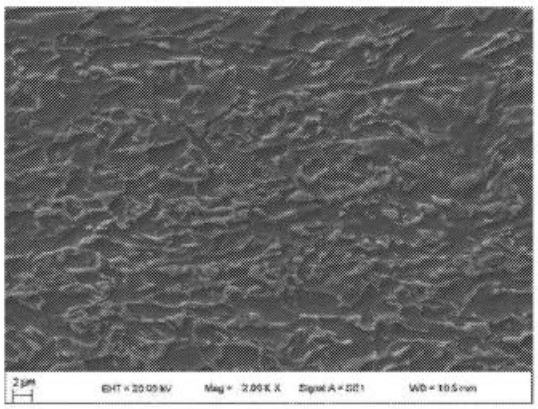
treatment drugs for infection with SARS-CoV-2 or a mutant virus thereof, provided are a recombinant protein vaccine and/or an adenovirus vaccine for preventing and/or treating an infection with SARS-CoV-2 or a mutant thereof, and in particular, provided are a nasal spray administration compound formulation containing active ingredients of two vaccines, i.e., a recombinant protein vaccine and an adenovirus vaccine, and a combination of the two vaccines for nasal spray administration, which can induce generation of strong antibody and cellular immune responses in vivo and block the binding of a protein S of SARS-CoV-2 to an ACE2 receptor of a host cell, thus enabling a host to resist coronavirus infection. Particularly, the present invention has good prevention and treatment effects on various mutant viruses.

21: 2025/00861. 22: 2025/01/24. 43: 2025/08/05
51: C07D; A61K; A61P
71: KINOTECK THERAPEUTICS CO., LTD
72: CHANG, SHAOHUA, CHEN, XIAOFEI, LI, JIAGUO, LI, HUIQIONG, WU, PINGLIAN, WU, YINHUI, REN, XIAOMEI, MA, DAWEI
33: CN 31: 202210798720.1 32: 2022-07-06
54: SULFOXIMINE COMPOUND HAVING FGFR INHIBITORY EFFECT, PHARMACEUTICAL COMPOSITION COMPRISING SAME, AND USE THEREOF
00: -
Provided are a sulfoximine compound having an FGFR inhibitory effect, a pharmaceutical composition comprising said sulfoximine compound, and a use thereof. Specifically provided are a sulfoximine compound as represented by formula (I) which can be used as a fibroblast growth factor receptor (FGFR) inhibitor, a tautomer, a stereoisomer, a hydrate, a solvate, a pharmaceutically acceptable salt thereof, a pharmaceutical composition comprising the compound, and a use thereof in the preparation of a pharmaceutical composition; wherein R_1, R_2, R_3, R_4, R_5, Cy^A, Cy^B, Cy^C, etc., are as defined in the description.

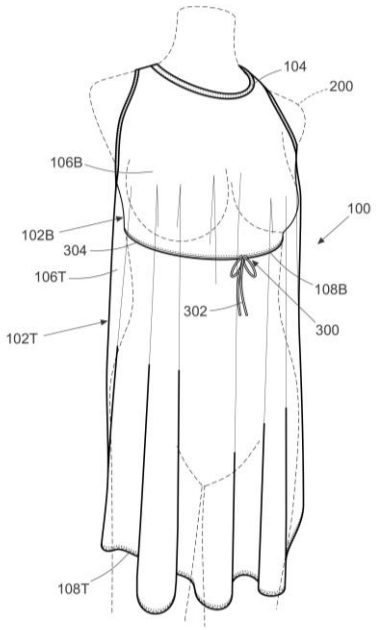


(I)

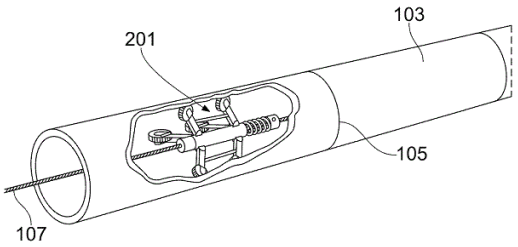
21: 2025/00867. 22: 2025/01/24. 43: 2025/08/08
51: C21D; C22C
71: Baoshan Iron & Steel Co., Ltd.
72: LIU, Chunsu, YANG, Long, WANG, Dong, ZHANG, Yulong, ZHU, Xiaodong
33: CN 31: 202210745059.8 32: 2022-06-27
54: HOT-ROLLED COMPLEX-PHASE STEEL WITH 800-MPA-GRADE TENSILE STRENGTH AND MANUFACTURING METHOD THEREFOR
00: -
A hot-rolled complex-phase steel with an 800-MPa-grade tensile strength and a manufacturing method therefor. The hot-rolled complex-phase steel comprises: C: 0.04-0.08%, Si: 0.05-0.45%, Mn: 1.4-1.8%, N: ≤0.005%, O: ≤0.0030%, Ca ≤0.004%, Al: 0.02-0.1%, Ti: 0.07-0.13%, Cr: 0.1-0.7%, and B: ≤0.0035%, with the balance being Fe and other inevitable impurities. The final microstructure of the steel is bainite, and contains a small amount of martensite and retained austenite, and a nanoscale microalloy precipitation-strengthened ferrite. The longitudinal yield strength of the steel is greater than or equal to 680 MPa, the tensile strength is greater than or equal to 780 MPa, the elongation A50 is greater than or equal to 15%, [KV(20ºC)-KV(-40ºC)]/KV(20ºC) is less than or equal to 0.35, the ratio of KV(-40ºC)/thickness is greater than or equal to 10 J/mm, and the punching reaming rate is greater than or equal to 65%. The hot-rolled complex-phase steel has a high fracture resistance, can be used as an automobile chassis and a structural part, and meets the technical requirements of the flanging and stamping of automotive complex parts, as well as automotive lightweighting.



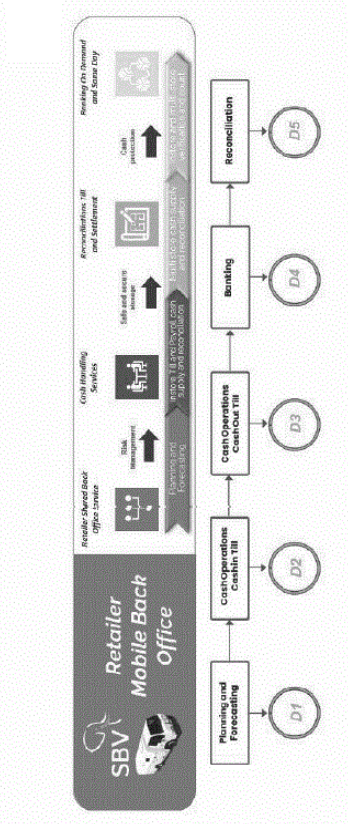
21: 2025/00892. 22: 2025/01/27. 43: 2025/10/01
51: A41B
71: BEDDY BOO (PTY) LTD
72: NAUDE, Marianette, BROWN, Sara Lynn
54: ADJUSTABLE GARMENT
00: -
The invention relates to an adjustable upper garment comprising a top and bottom layer sharing a common neckline, with the bottom layer including a torso covering and an adjustable support mechanism. The support mechanism features a reinforced channel housing a drawstring positioned beneath the bust, allowing the garment to transition between a cinched configuration for breast support and a loosened configuration for unrestricted movement and comfort. The reinforced channel may include elastic material that relaxes when loosened and provides additional support when tightened, offering a customizable solution for comfort and support in leisure and loungewear.



21: 2025/00896. 22: 2025/01/27. 43: 2025/08/25
51: E21B F16L
71: HYPERTUNNEL IP LIMITED
72: JORDAN, Stephan, LANE-NOTT, Patrick, MEEKS, Alan
33: GB 31: 2209405.6 32: 2022-06-27
54: APPARATUS AND METHOD OF DEPLOYING A PIPE WITHIN A BOREHOLE
00: -
Lining pipes (103) are routinely pulled through HDD boreholes from one end. As HDD borehole distances get longer, the total amount of friction experienced by the pipe will increase and therefore greater forces/stresses are applied to the pipes (103). For a given material and diameter of pipe (103), conventionally, the only way to handle these stresses is to increase the wall thickness of the pipe (103). The present invention provides at least one gripping device (201) on a line (107), movable through the interior of a pipe (103), and configured to grip an interior of the pipe (103). In this way, the gripping device (201) may be used to grip a pipe (103) at a point spaced from an end thereof, thereby reducing tensile forces on the pipe.



21: 2025/00925. 22: 2025/01/28. 43: 2025/08/05
51: G06Q
71: SBV SERVICES (PROPRIETARY) LIMITED
72: NAUDE, Leonard Louw
33: ZA 31: 2024/03042 32: 2024-04-19
54: RETAILER CASH HANDLING SYSTEM AND METHOD
00: -
According to a first aspect of the invention, there is provided a computer-implemented method of forecasting and ordering an amount of cash to be delivered to and/or collected from a plurality of retailers. The method includes the steps of receiving or determining, by at least one processor, input data points including cash in and cash out, and historical trend data in respect of the retailer; determining, by at least one processor, the amount of cash to be delivered to or collected from the retailer, so as to formulate a cash delivery/collection proposal comprising forecasting data by till and by denomination and/or cash orders for float shortages; and sending, by at least one processor, the cash delivery/collection proposal to the retailer for review.



21: 2025/00936. 22: 2025/01/28. 43: 2025/08/08
51: A23L; C12C
71: Heineken Supply Chain B.V.
72: VISSENAEKENS, Johan Franciscus Maria, VISSCHER, Hendrik Jan, BEKKERS, Augustinus Cornelius Aldegonde Petrus Albert
33: EP(NL) 31: 22194206.3 32: 2022-09-06
54: CONTINUOUS PRODUCTION OF DRIED MALTED GRAINS
00: -
The invention provides a continuous method of producing dried malted grains, said method comprising: • providing a continuous stream of steeped grains having a water content of at least 30 wt.%; • transporting the stream of steeped grains through a germination stage to produce a continuous stream of malted grains, said germination stage comprising (i) maintaining the grains at a temperature in the range of 10-30 °C and (ii) maintaining the water content of the grains within the range of 20-38 wt.%, the residence time of the grains in the germination stage being in the range of 12 to 36 hours; • transporting a layer of the malted grains with a second moving conveyor through a drying stage to produce a continuous stream of dried

malted grains, the residence time of the grains in the drying stage being in the range of 2 to 24 hours. The continuous production of dried malted grains in accordance with the invention requires much less energy, time and water than conventional production methods. The invention also provides a dried malted barley that is obtained by the aforementioned method, said dried malted barley having the following combination of features: • an alpha-amylase activity of 1-58 Dextrinizing Units (DU) per gram of dry matter; • a moisture content of 6.0-8.0 wt.%; wherein at least 95% of the grains in the dried malted barley have a moisture content that differs by not more than 1.0 wt.% from the moisture content of the dried malted grain.

21: 2025/00974. 22: 2025/01/29. 43: 2025/08/08
51: H04W
71: Huawei Technologies Co., Ltd.
72: HU, Mengshi, YU, Jian, GAN, Ming, GONG, Bo
33: CN 31: 202210927210.X 32: 2022-08-03
54: RESOURCE CONFIGURATION METHOD AND COMMUNICATION APPARATUS
00: -
This application relates to the communication field, and in particular, to a resource configuration method and a communication apparatus. The solutions are applicable to a WLAN system that supports 802.11 series protocols, for example, a next-generation Wi-Fi protocol of IEEE 802.11ax, like 802.11be, Wi-Fi 7, or EHT, and a next-generation protocol of 802.11be like Wi-Fi 8, and are also applicable to a UWB-based wireless personal area network system and a sensing system. In the method, a first resource unit indicated by a first station to a second station includes a subcarrier in a difference set between a subcarrier set of a second resource unit and a subcarrier set of a first frequency range. A part of subcarriers of the second resource unit are located in the first frequency range, and therefore such a manner can avoid an intersection set between the indicated first resource unit and a subcarrier of the first frequency range, that is, avoid a resource collision, and maintain normal communication between stations.

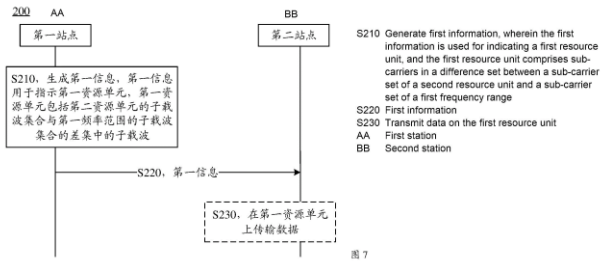


图 7

21: 2025/00977. 22: 2025/01/29. 43: 2025/08/08
51: C21D; C22C; C23C
71: Baoshan Iron & Steel Co., Ltd.
72: CHEN, Meng, ZHONG, Yong, BI, Wenzhen, WANG, Li
33: CN 31: 202210759473.4 32: 2022-06-30
54: 100 KG-GRADE ULTRAHIGH-STRENGTH GALVANIZED STEEL SHEET AND MANUFACTURING METHOD THEREFOR
00: -
The present invention provides a 100 kg-grade ultra-high-strength galvanized steel sheet having excellent resistance spot welding properties and excellent resistance to liquid metal embrittlement (LME) cracking. The steel sheet contains the following components in percentage by weight: C: 0.17-0.25%, Mn: 1.7-2.7%, Si: 0.35-1.5%, Al: 0.01-1.0%, 0.7%≤Si+Al≤1.7%, and at least one of Nb, Ti and B, with the balance being Fe and unavoidable impurities. When the thickness of the steel sheet is t, the resistivity thereof is $0<R_1<=50\mu\Omega\cdot cm$; and, in the direction from the coating layer/steel sheet substrate interface to the steel sheet substrate, when the thickness of the steel sheet is in the range of greater than or equal to 0.010t to less than or equal to 0.035t the resistivity thereof is $0<R_2\leq 15\mu\Omega\cdot cm$, and when the thickness of the steel sheet is in the range of greater than 0.035t to less than or equal to 0.065t the resistivity thereof is $0<R_3\leq 30\mu\Omega\cdot cm$, wherein $(R_2/2+R_3/3)\leq(3.1R_1^{1/2}-1.5)$ is satisfied.

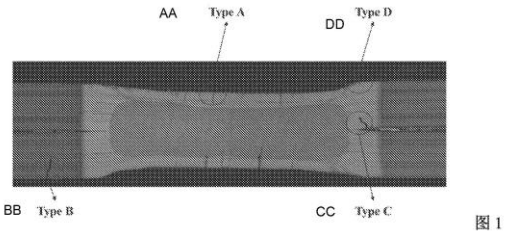


图 1

AA Type A
BB Type B
CC Type C
DD Type D

21: 2025/00978. 22: 2025/01/29. 43: 2025/08/08
51: C21D; C22C; C23C
71: Baoshan Iron & Steel Co., Ltd.
72: CHEN, Meng, BI, Wenzhen, ZHONG, Yong, WANG, Li
33: CN 31: 202210759562.9 32: 2022-06-30
54: 120-KG-GRADE ULTRAHIGH-STRENGTH GALVANIZED STEEL SHEET AND MANUFACTURING METHOD THEREFOR
00: -

Provided in the present invention is a 120-kg-grade ultrahigh-strength galvanized steel sheet with a good resistance spot welding performance. The galvanized steel sheet comprises: 0.18-0.24% of C, 2.3-3.0% of Mn, 0.5-1.7% of Si, 0.02-1.0% of Al, 0.55<Si+Al≤1.75%, C+Si/30+Mn/20≤0.395%, and at least one selected from Nb, Ti, B, Cr, Mo and REM, with the balance being Fe and inevitable impurities, wherein the thickness of the steel sheet is set as t, and the resistivity of the steel sheet is $0<R_1\leq 55$ μΩ·cm; in the direction starting from an interface between a plating and a steel sheet substrate and towards the steel sheet substrate, the resistivity of the steel sheet within the range of 0.025 t or more to no more than 0.05 t is $0<R_2\leq 15$ μΩ·cm, and the resistivity of the material within the range of 0.01 t or more to no more than 0.015 t is $0<R_3\leq 35$ μΩ·cm; and the resistivities satisfy: $1.5R_1^{1/2}-0.1R_2-0.25R_3>0$.

21: 2025/00997. 22: 2025/01/30. 43: 2025/08/05
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: BRAUN, Marie-Gabrielle, ELLIOTT, Richard, HANAN, Emily, HEALD, Robert Andrew, MACLEOD, Calum, STABEN, Steven T.
33: US 31: 62/188,029 32: 2015-07-02
54: BENZOXAZEPIN OXAZOLIDINONE COMPOUNDS AND METHODS OF USE
00: -
Described herein are benzoxazepin oxazolidinone compounds with phosphoinositide- 3 kinase (PI3K) modulation activity or function having the Formula (I) structure: or stereoisomers, tautomers, or pharmaceutically acceptable salts thereof, and with the substituents and structural features described herein. Also described are pharmaceutical compositions and medicaments that include the Formula I compounds, as well as methods of using such PI3K modulators, alone and in combination with other therapeutic agents, for treating diseases or conditions that are mediated or dependent upon PI3K dysregulation.

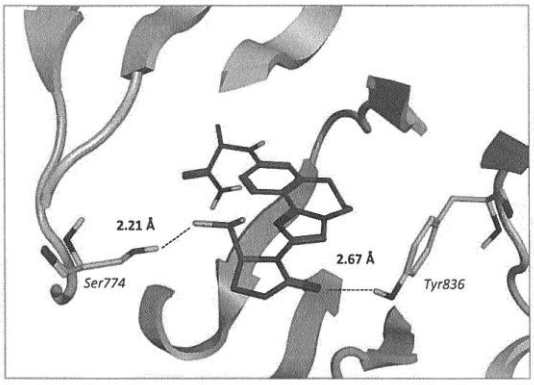
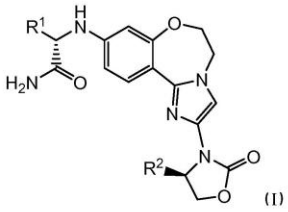
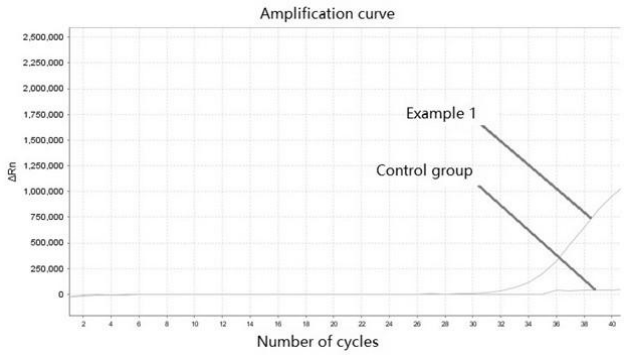


Fig. 2B



21: 2025/00999. 22: 2025/01/30. 43: 2025/08/05
51: C07K; C12N; C12Q
71: SHANGHAI BIOGERM MEDICAL TECHNOLOGY CO., LTD.
72: GU, Dongdong, ZHAO, Baihui, MA, Binheng, HOU, Qiaoli
33: CN 31: CN202211045852.3 32: 2022-08-30
54: ONE-TUBE RT-QPCR FULLY PREMIXED REACTION REAGENT, USE, AND RT-QPCR METHOD
00: -
The present invention relates to a one-tube RT-qPCR fully premixed reaction reagent, use, an RT-qPCR method, and a one-tube rapid RT-qPCR fully premixed reaction system in the field of reverse transcription fluorescence PCR technology. The present invention aims at three problems in existing RT-qPCR reaction systems: (1) The total reaction system is divided into multiple tubes for storage, requiring components to be freshly prepared and used each time. Primers and probes must be stored separately or together with an amplification reaction solution. Pre-mixing the components in advance may lead to stability and specificity problems in the reaction system. (2) The RT-qPCR reaction system cannot adapt to rapid amplification programs, resulting in excessively long reaction times and unsuitability for rapid detection. (3) The compatibility

between the RT-qPCR reaction system and the primers/probes is insufficient, necessitating adjustments to the formulation of the reaction system according to different primer-probe combinations.



21: 2025/01001. 22: 2025/01/30. 43: 2025/08/15
51: G01N
71: Productos Citrosol, S.A.
72: PARRA CARBONELL, Javier, ISNARDO MORANT, María José, MOTTURA LERDA, Martín Carlos, DOMÍNGUEZ CASCANT, Raul, MORATAL MARTÍ, Francesc, ORTEGA NAVARRO, Jesus
33: ES 31: P202230656 32: 2022-07-15
54: MIXING CHAMBER
00: -
Mixing chamber (100) configured to dilute a post-harvest treatment sample with solvent, wherein the post-harvest treatment is obtained from a reservoir for post-harvest applications, and wherein the solvent is obtained from a tank containing solvent, the mixing chamber (100) comprising: a sample application duct (110), configured to supply the post-harvest treatment sample to a mixing flask (140); a purge funnel (130) configured to collect post-harvest treatment from a purge of the sample application duct (110); and a mixing flask (140), configured to receive the post-harvest treatment sample from the sample application duct (110), receive solvent from the tank containing solvent, dilute the post-harvest treatment sample with solvent, and generate a solvent-diluted post-harvest treatment sample.

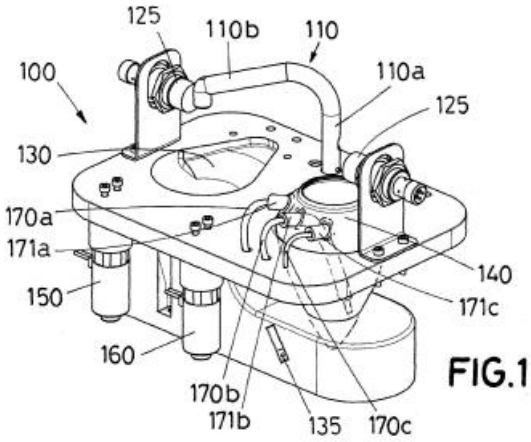
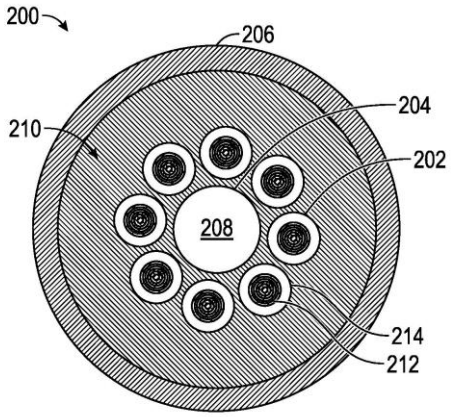
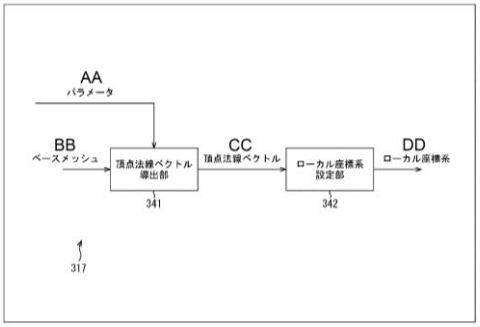


FIG.1

21: 2025/01018. 22: 2025/01/31. 43: 2025/08/08
51: F21V; F28D; G02B; G08C
71: Macleon, LLC
72: MCKENNA, Edward, WALLACE Jr., Gerald Leon
33: US 31: 63/140,736 32: 2021-01-22
54: OPTICAL FIBER CABLE AND SYSTEM AND METHOD OF DISTRIBUTING ULTRA HIGH POWER USING THE SAME
00: -
Embodiments include an optical fiber cable comprising a length extending between a first end and a second end, a central cooling tube, a plurality of optical fibers disposed radially around the cooling tube, each optical fiber comprising a fiber core and a cladding disposed around the fiber core, an outer protective cover, and an inner thermal filler disposed between the outer protective cover and the central cooling tube and surrounding each of the optical fibers, wherein each of the central cooling tube, the outer protective cover, the inner thermal filler, and the plurality of optical fibers extend the length of the cable. Various systems and methods for removing imperfections from individual optical fibers and for distributing power across long distances using the optical fiber cable are also provided.

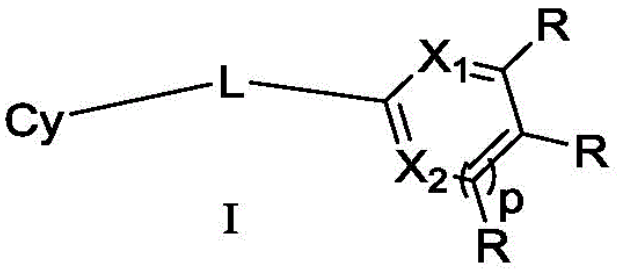


21: 2025/01038. 22: 2025/01/31. 43: 2025/08/18
51: G06T; H04N
71: Sony Group Corporation
72: KUMA, Satoru, HAYASHI, Kao, KATO, Tsuyoshi
33: JP 31: 2022-166711 32: 2022-10-18
54: INFORMATION PROCESSING DEVICE AND METHOD
00: -
The present disclosure pertains to an information processing device and method which make it possible to suppress reductions in encoding efficiency. The present invention decodes encoded data of a base mesh; decodes encoded data of a displacement video having, as the frames thereof, 2D images in which local coordinates are stored as displacement vectors, derives vertex normal vectors, which are normal vectors of the vertices of the subdivided base mesh, and uses a local coordinate system corresponding to the vertex normal vectors to apply local coordinates to the vertices of the subdivided base mesh as displacement vectors. The present disclosure can be applied to, for example, information processing devices, electronic apparatuses, an information processing methods and programs.



341 Vertex normal vector derivation unit
342 Local coordinate system setting unit
AA Parameter
BB Base mesh
CC Vertex normal vectors
DD Local coordinate system

21: 2025/01044. 22: 2025/01/31. 43: 2025/08/08
51: A61K; C07D
71: Xizang Haisco Pharmaceutical Co., Ltd.
72: LI, Yao, CHEN, Lei, SHI, Zongjun, REN, Lei, GENG, Pengxin, WANG, Jie, CHENG, Fengkai, LIN, Xiao, HUANG, Shuai, ZHANG, Xiaohai, YANG, Shuang, TANG, Pingming, ZHANG, Chen, YAN, Pangke
33: CN 31: 202210950666.8 32: 2022-08-09
54: PDE4B INHIBITOR AND USE THEREOF
00: -
A compound represented by formula I, stereoisomers or pharmaceutically acceptable salts thereof, or a pharmaceutical composition containing same, and the use thereof as a PDE4B inhibitor in the preparation of a drug for treatment of related diseases. Each group in formula (I) is as defined in the description.



I

21: 2025/01077. 22: 2025/02/03. 43: 2025/08/20
51: B07C
71: Unitec S.p.A.
72: BENEDETTI, Luca
33: IT 31: 102022000016602 32: 2022-08-04
54: ASSEMBLY FOR THE CONVEYANCE AND UNLOADING OF FRUIT AND VEGETABLE PRODUCTS
00: -

An assembly for the conveyance and unloading of fruit and vegetable products, which comprises: - means for cyclic movement along a predefined advancement trajectory (B) of at least one series of axially symmetrical supporting elements (2) for fruit and vegetable products (A), which are arranged aligned along the trajectory (B) with the longitudinal axis of symmetry (C) transverse to the trajectory (B); at least some pairs of consecutive elements (2) are configured to define respective seats (3) for corresponding products (A), which can be arranged substantially above respective interspaces (4) between corresponding consecutive elements (2), resting along the lateral surfaces thereof, - at least one station (5) for unloading the products (A) in transit, which comprises at least one primary dispenser (6) of fluid under pressure, equipped with at least one first nozzle (7). The first nozzle (7) is arranged at a vertical elevation that is lower than the vertical elevation of a predefined unloading point (E) of the trajectory (B) and is configured to point a first jet (D) of the fluid substantially toward the unloading point (E).

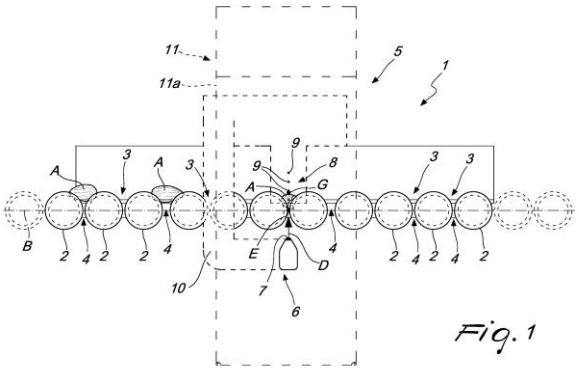
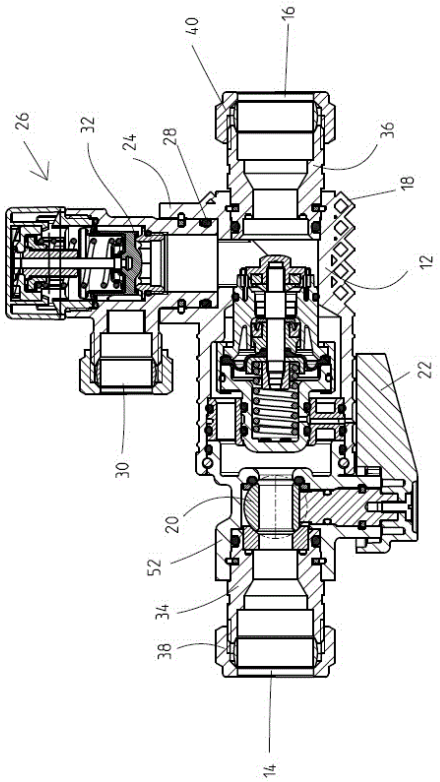


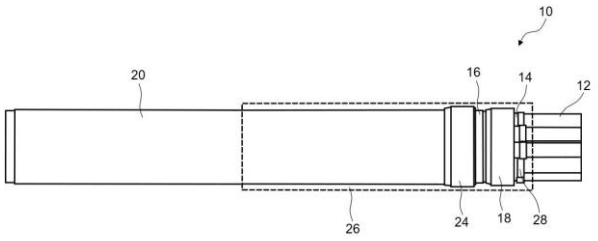
Fig. 1

21: 2025/01088. 22: 2025/02/04. 43: 2025/08/08
51: E03B
71: Hans Sasserath GmbH & Co. KG
72: HECKING, Willi
33: DE 31: 20 2024 100 548.1 32: 2024-02-05
54: PRESSURE REDUCER ASSEMBLY
00: -
A fitting assembly (10) for a water installation, comprising a fitting housing (12) with an inlet (16) and an outlet (18); and a pressure reducer with a pressure reducer valve provided in the flow between the inlet and the outlet; is characterized in that the pressure reducer is formed as a pressure reducer cartridge, which is configured to be fully received by the fitting housing (12); and the opening direction of the pressure reducer valve extends parallel to the flow.

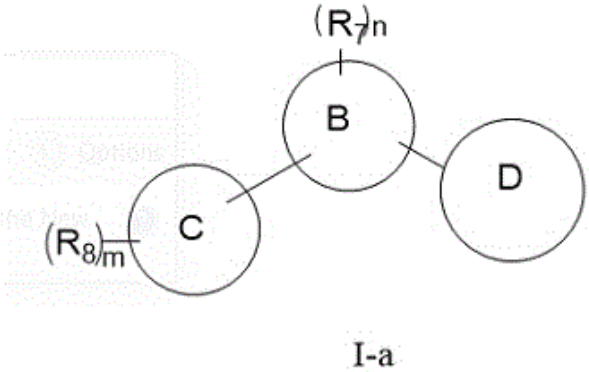


21: 2025/01093. 22: 2025/02/04. 43: 2025/08/08
51: F16L
71: ELM GLOBAL PTE LTD
72: JANSE VAN VUUREN, Gert Stephanus, MCMILES, Brett Cambell
33: AU 31: 2023903557 32: 2023-11-06
33: AU 31: 2024900916 32: 2024-04-03
54: HYDRAULIC HOSE LOOM ASSEMBLY
00: -
A hydraulic hose loom assembly comprises a plurality of hydraulic hoses longitudinally extending through a plurality of thermally insulative sleeves respectively. The plurality of sleeves longitudinally extend through a first protective tubular sheath. The first protective tubular sheath longitudinally extends through a second protective tubular sheath. At least one cap is disposed toward a longitudinal end of the hydraulic hose loom assembly. The cap comprises a polymer body that is provided with a set of hydraulic connector fittings fluidly connected to the hydraulic hoses for operatively connecting to a hydraulic

system. At least a longitudinal end section of the second protective tubular sheath is embedded in the polymer body.



21: 2025/01123. 22: 2025/02/05. 43: 2025/08/08
51: C07D; A61K; A61P
71: XIZANG HAISCO PHARMACEUTICAL CO., LTD.
72: LI, YAO, ZHANG, HAOLIANG, SHI, ZONGJUN, WANG, JIANCHENG, WANG, LONG, GUI, NAICHENG, ZHAO, JINGZHENG, HUANG, SHUAI, TANG, PINGMING, ZHANG, CHEN, YAN, PANGKE
33: CN 31: 202210803253.7 32: 2022-07-07
33: CN 31: 202210866886.2 32: 2022-07-22
33: CN 31: 202211079984.8 32: 2022-09-05
33: CN 31: 202211457720.1 32: 2022-11-18
33: CN 31: 202210962185.9 32: 2022-08-11
54: HETEROCYCLIC COMPOUND CAPABLE OF INHIBITING PRMT5•MTA AND USE THEREOF
00: -
A nitrogen-containing heterocyclic compound represented by formula (I-a), or a stereoisomer, a deuterated compound, a solvate, a pharmaceutically acceptable salt or a eutectic crystal thereof, a pharmaceutical composition comprising same, and a use thereof in the preparation of a drug for treating/preventing PRMT5•MTA-mediated diseases, wherein each group in formula (I-a) is as defined in the description.



I-a

21: 2025/01128. 22: 2025/02/05. 43: 2025/08/08
51: C12N; C12Q
71: CENTRAL CHINA NORMAL UNIVERSITY
72: YANG, Guangfu, LIN, Hongyan, DONG, Jin
33: CN 31: 202210963026.0 32: 2022-08-11
54: HSL PROTEIN, GENE, VECTOR, CELL, COMPOSITION AND USE THEREOF, AND METHOD FOR IMPROVING HERBICIDE RESISTANCE OF CROPS
00: -
Provided are an HSL protein, a gene encoding an HSL protein, a recombinant vector, a transgenic cell, a composition, use thereof in improving herbicide resistance of crops, and a method for improving herbicide resistance of crops.

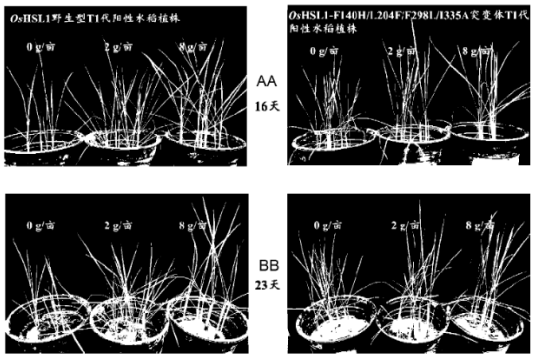


图 1

AA 16 days
BB 23 days

21: 2025/01153. 22: 2025/02/06. 43: 2025/08/11
51: A61B
71: HEARING REHABILITATION CENTER "MELFON", LTD.
72: Sirotkin Valeriy Stepanovich, Khanykov Vladimir Vladimirovich, Pasyuta Sergey Mikhailovich
33: RU 31: 2024122645 32: 2024-08-07
54: A METHOD FOR MULTI-LEVEL TONAL ADAPTIVE SCANNING IN AN EXTENDED RANGE OF SOUND FREQUENCIES
00: -
The present invention relates to medicine, namely to the section of preventive medicine, and can be used in screening audiometry for diagnostic purposes during mass preventive examinations of the population. The patient is consistently presented with sound signals in the frequency range: 125- 250 – 500 – 750 – 1000 – 2000 -3000 – 4000 – 6000 – 8000 – 10000 – 12000 – 16000 Hz at three tone levels of 20, 30 and 45 dB. In this case, they start

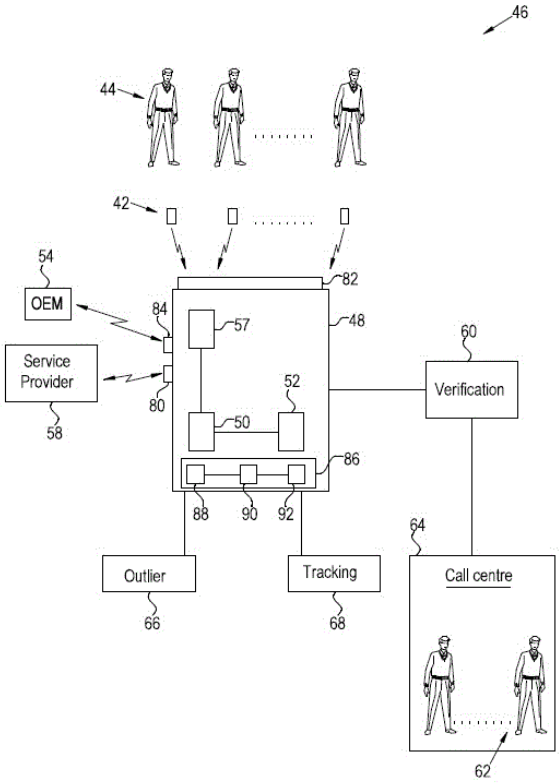
with a 20 Db tone signal. If the patient replied "There is a signal" at all frequencies at a signal level of 20 dB, then no further tests are performed and the hearing condition is assessed as excellent. If the patient responds "No signal" at at least one of the frequencies at a signal level of 20 dB, the next frequency pass is triggered at a signal level of 30 dB. And if the patient replied "There is a signal" at all frequencies at a signal level of 30 dB, then the condition is assessed as a potential risk of hearing loss. If the patient responds "No signal" at at least one of the frequencies at a signal level of 30 dB, the next frequency pass is started at a signal level of 45 dB and the condition is assessed as the first degree of hearing loss. At the same time, if the patient responds "No signal" at at least one of the frequencies at a signal level of 45 dB, then the condition is assessed as the second degree of hearing loss. The method allows for an express hearing assessment in a short time period during mass preventive examinations of the population.

21: 2025/01154. 22: 2025/02/06. 43: 2025/08/11
51: G06F; G06Q
71: E CENTIVE (PTY) LTD.
72: KRUGER, Dawid Tobias, FUTCHER, Bronwynn, NENGOBELA, Philton, DE CARVALHO, Nelson, SINGH, Satish Kumar

54: SALES DATA MONITORING AND PROCESSING SYSTEM AND METHOD

00: -

A method of and related system for processing sales data generated by a plurality of system users operating within a sales industry, and related claims, is provided. The system comprises a plurality of data collecting modules in respect of the claims, including a service provider integration module that is arranged to interface with service providers' systems to automatically receive and process real-time sales transactions data; a system user submission interface to allow system users to submit sales data and agent information through validated channels; and an OEM data feed interface that is arranged to receive data from OEMs, including product information, incentive offerings, schedules, and OEM-specific criteria for claims processing. The system further includes a data processing unit that is arranged to process the collected data, including consolidating and validating the sales transactions data, and then processing the consolidated and validated data to determine incentive payments to the system user.



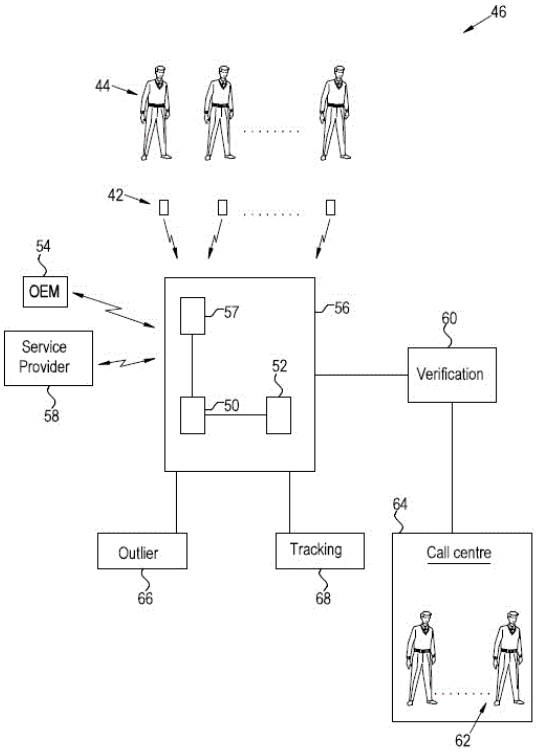
21: 2025/01155. 22: 2025/02/06. 43: 2025/08/11
51: G06F; G06Q
71: E CENTIVE (PTY) LTD.
72: KRUGER, Dawid Tobias, FUTCHER, Bronwynn, NENGOBELA, Philton, DE CARVALHO, Nelson, SINGH, Satish Kumar

54: SALES MANAGEMENT SYSTEM AND METHOD FOR OEMS

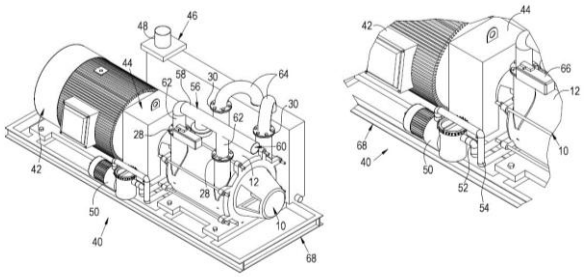
00: -

A computer-implemented sales management method for Original Equipment Manufacturers (OEMs) is provided, comprising receiving, by at least one processor, sales data generated by one of a plurality of system users operating within a sales industry; generating, by at least one processor, a claim from the received sales data, and sharing this with the OEM; determining, by at least one processor, whether the generated claim requires input and/or approval from the OEM, with reference to requirements (or criteria) provided by the OEM; and if input and/or approval is required from the OEM, formatting and sharing, by at least one

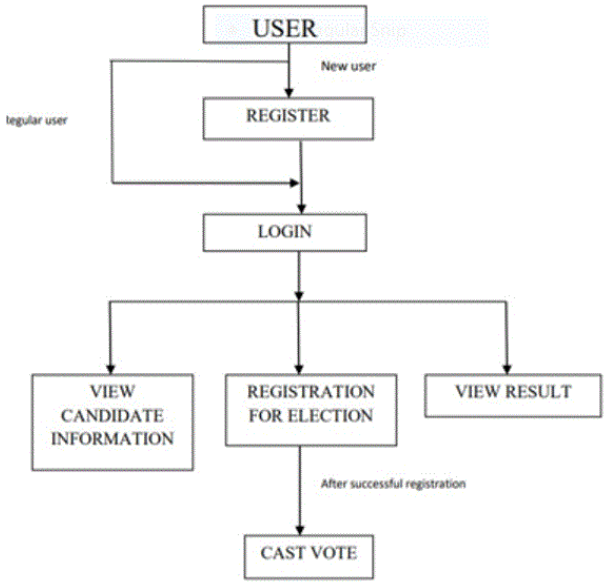
processor, the generated claim with the OEM for subsequent approval or rejection. In an embodiment, the step of determining whether the generated claim requires input and/or approval from the OEM includes the step of checking, by at least one processor, a database that stores the OEM requirements or directly with the OEM in real time.



21: 2025/01230. 22: 2025/02/10. 43: 2025/08/20
51: B01D; F04B; F04C
71: TRIPPLE STONE TRADING (PTY) LTD.
72: van JAARSVELD, Dawid Timothy
33: ZA 31: 2023/10380 32: 2023-11-08
54: LIQUID RING VACUUM SYSTEM
00: -
A liquid ring vacuum system is provided comprising a liquid ring vacuum pump comprising a casing to accommodate a rotatable impeller with blades attached to a central hub, the impeller being rotatably driven by a motor, the impeller being offset relative to a central axis of the casing; a liquid ring inlet defined within the casing, for receiving a coolant to act as a liquid sealant which, under the action of the rotating offset impeller, is forced against the inner wall of the casing so as to form a ring of liquid on the inside wall of the casing, which in turn creates alternating vacuum zones, so as to draw air into the vacuum system, and discharge zones, so as to discharge the air out of the vacuum system; a cooling tank for accommodating the coolant; and a booster pump connected to the cooling tank via a booster pump inlet.

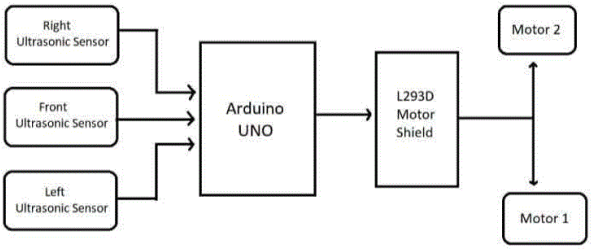


21: 2025/01232. 22: 2025/02/10. 43: 2025/10/07
51: G07C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MORE, Manisha Nandan, WASEKAR, Tejas, HIRVE, Tejas, SARADE, Tejas, WARBHE, Tejas, TEJWANI, Dream
54: A VOTING SYSTEM USING BLOCKCHAIN
00: -
The present invention relates to a voting system using blockchain. Every citizen in a democracy has the fundamental right to vote, which gives them the opportunity to select the future leaders of their nation. It allows members of a community the opportunity to express their views. It aids in making children understand the value of citizenship. Systems for conducting votes and elections online are software platforms. They do away with the necessity to vote in person or on paper since they use a digital platform. By prohibiting voters from casting multiple ballots, they also safeguard the legitimacy of your vote. Over paper-based systems, electronic voting or e-voting provides clear advantages in terms of efficiency and mistake reduction. By allowing users to vote, the electronic voting method tends to increase user participation.



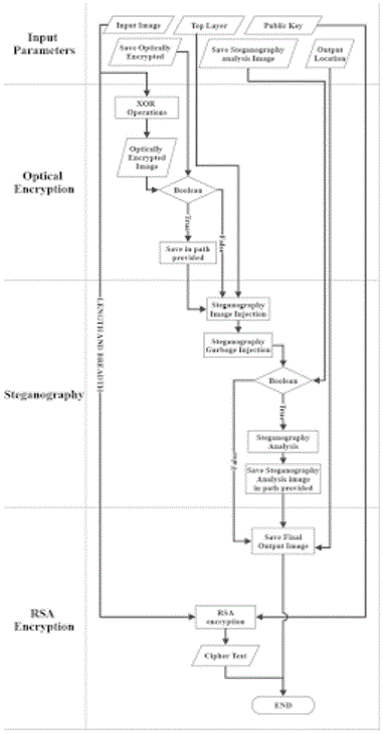
21: 2025/01233. 22: 2025/02/10. 43: 2025/10/07
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MANDE, Smita Samrat, RASAL, Omkar, RANANAVARE, Vanshika, RANAWARE, Meghraj, RANE, Kunal, RANE, Vedant, RASKAR, Soham
54: AN EXCESS SHOPPING PROVOKER TROLLY SYSTEM
00: -
The present invention relates to an excess shopping provoker trolly system. Impulsive and excessive shopping behavior has become a prevalent issue in modern society, leading to financial strain and psychological distress for individuals. The proposed invention allows users to set a spending limit before each shopping trip, and once the limit is reached, it provides an alert notification to promote mindful shopping. Furthermore, the system incorporates human following capabilities to enhance user experience and ensure seamless navigation in retail environments.

21: 2025/01234. 22: 2025/02/10. 43: 2025/10/07
51: G01C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JOSHI, Anita, SHERGARDWALA, Qusai, SHENGDE, Unnati, SHENDE, Riddhi, SHETE, Deep, SHEWALKAR, Yash
54: AN ADVANCED MAZE-SOLVING ROBOT WITH AUTONOMOUS NAVIGATION
00: -
The present invention relates to an advanced maze-solving robot with autonomous navigation. The system incorporates an Arduino Uno microcontroller, an L293D motor shield, three HC-SR04 ultrasonic sensors, two battery-operated motors, a caster wheel, and a battery pack mounted on an MDF chassis. The ultrasonic sensors, placed at the front, left, and right sides of the vehicle, detect walls and obstacles. The core feature is a wall-following algorithm that dynamically adjusts the vehicle's direction based on sensor readings. The system prioritizes left turns when paths are available and adjusts accordingly for complex maze scenarios. Extensive calibration and testing were performed in a custom maze environment to validate performance, with metrics such as completion time and accuracy indicating the system's robustness. This work highlights the potential for enhanced autonomous navigation in robotic systems.



21: 2025/01235. 22: 2025/02/10. 43: 2025/10/07
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TANPURE, Sharda, NIMALE, Soham, JAIN, Sneha, JAIN, Sneha, GARGOTE, Soham, SOMANI, Tanuj, GHADGE, Somnath
54: AN IMAGE ENCRYPTION SYSTEMS AND METHODS USING STEGANOGRAPHY AND XOR OPERATIONS
00: -
The present invention relates to an image encryption systems and methods using steganography and XOR operations. Cybersecurity is a significant part of safe data transmission, particularly through networks such as the Internet. Confidential medical or military images and personal images of individuals and organizations are a big part of such data. These images need a very high level of security to prevent access by unauthorized users. Unauthorized access to such images can lead to significant financial and life losses. The proposed system discloses a secure

encryption-decryption system to protect such images from unauthorized access. Our proposed solution is safe, reliable, fast, efficient, user-friendly, and secure. The proposed system incorporates various encryption-decryption algorithms and concepts like steganography into the system. Although the purpose of this system is to help securely encrypt medical images, it can encrypt any image that needs a high level of security.

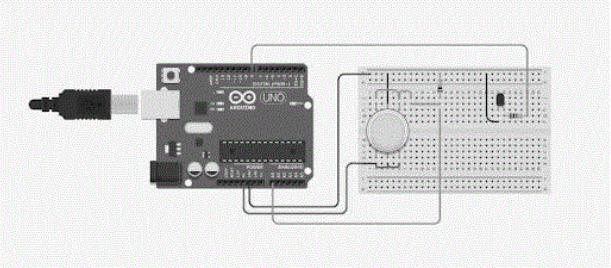


21: 2025/01236. 22: 2025/02/10. 43: 2025/10/07
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MANDE, Smita, H., Suraj, GUPTA, Surabhi, NAIK, Sumit, RAINA, Sumit, BAMBAL, Sumedh, AVAARU, Sravan

54: A COALMINE EMISSIONS EXPLORER SYSTEM

00: -

The present invention relates to a coalmine emissions explorer system. It discloses the development of an autonomous mine explorer robot equipped with sensors and controlled by a microcontroller, aimed at enhancing mining exploration capabilities. By integrating affordable and high-quality sensors, including granular activated carbon (GAC), gas sensors, and environmental sensors, the robot collects data on gas concentrations, temperature, and humidity inside mines. The collected data is logged using an SD card module for analysis. This low-cost solution provides valuable insights into mining conditions, enabling the detection of hazardous gases, and ensuring the safety of mining sites. The GAC acts as an excellent adsorbent to collect gas samples of the atmosphere of a coalmine for analysis.

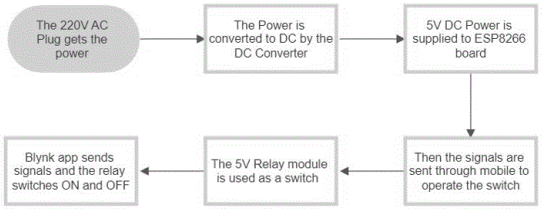


21: 2025/01237. 22: 2025/02/10. 43: 2025/10/07
51: H02J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MUSALE, Prajakta Prakash, PARDESHI, Tanishq, PAREEK, Shyam, PARDESHI, Karansingh, PARDESHI, Omeshwarsingh, PARDESHI, Devang

54: AN ADVANCED POWER CONTROL SYSTEM

00: -

The present invention relates to an advanced power control system. The proposed system, powered by the ESP8266 module and controlled through a mobile application Blynk, revolutionizes the way power is managed. This intelligent device enhances convenience, promotes energy efficiency, and provides users with seamless control over their connected devices. In the proposed system, the ESP8266 module enables seamless communication between the system and the user's smartphone. By connecting the proposed system to a WiFi network, users gain the ability to remotely control the power flow to any device plugged into the socket. Whether it's turning on a lamp, activating a coffee machine, or managing home appliances, the mobile application provides a user-friendly interface to monitor and control the power supply. The proposed system not only offers convenience but also contributes to energy efficiency. By having control over power flow, users can easily turn off devices when not in use, reducing standby power consumption and ultimately lowering energy bills.

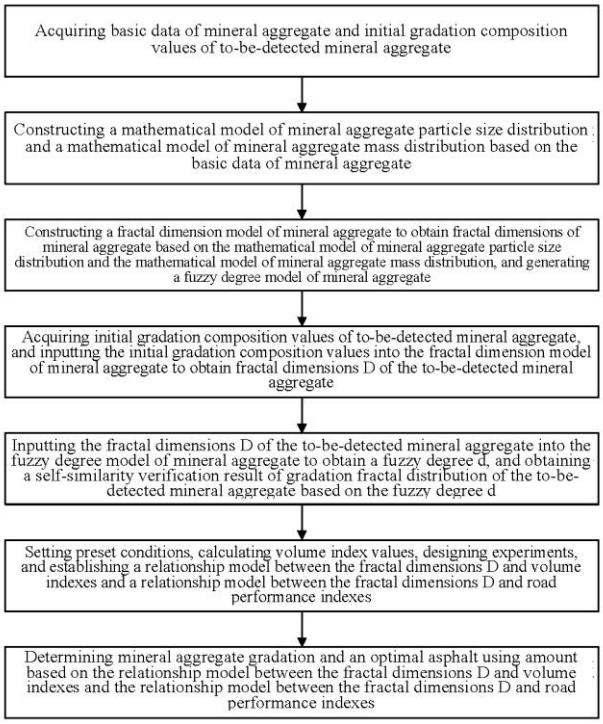


21: 2025/01240. 22: 2025/02/10. 43: 2025/08/12
51: C04B
71: CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD., SHANXI DAODA ENGINEERING TESTING SURVEYING AND MAPPING CO. LTD
72: WU, Yongzhen, NIU, Jingfeng, FU, Chongyang, ZHANG, Xugang, WANG, Ping, FAN, Lizhi, XIE, Xiaofeng, LI, Yingjie, FENG, Li, CAI, Xiao, ZHANG, Zefeng, WAN, Yungan, SUN, Longhua, DENG, huiqi, MU, Tingbai

54: ASPHALT MIXTURE GRADATION OPTIMIZATION METHOD BASED ON FRACTAL DIMENSIONS OF MINERAL AGGREGATE

00: -

The present application discloses an asphalt mixture gradation optimization method based on fractal dimensions of mineral aggregate, and relates to the related technical field of asphalt mixture proportion. The asphalt mixture gradation optimization method based on fractal dimensions of mineral aggregate includes: acquiring basic data of mineral aggregate and initial gradation composition values of to-be-detected mineral aggregate; constructing a mathematical model of mineral aggregate particle size distribution and a mathematical model of mineral aggregate mass distribution; obtaining fractal dimensions of mineral aggregate, and generating a fuzzy degree model of mineral aggregate; acquiring initial gradation composition values of to-be-detected mineral aggregate, and obtaining fractal dimensions D of the to-be-detected mineral aggregate; inputting the fractal dimensions D of the to-be-detected mineral aggregate into the fuzzy degree model of mineral aggregate to obtain a fuzzy degree d, and obtaining a self-similarity verification result of gradation fractal distribution of the to-be-detected mineral aggregate; setting preset conditions, calculating volume index values, designing experiments, and establishing a relationship model between the fractal dimensions D and volume indexes and a relationship model between the fractal dimensions D and road performance indexes; and determining mineral aggregate gradation and an optimal asphalt using amount based on the relationship model between the fractal dimensions D and volume indexes and the relationship model between the fractal dimensions D and road performance indexes. The present application obtains corresponding fractal dimensions according to the road performance indexes, thereby rapidly obtaining the mineral aggregate gradation and the optimal asphalt using amount.



21: 2025/01244. 22: 2025/02/10. 43: 2025/08/21
51: A61K; C07F; A61P
71: CIPLA LIMITED
72: DAS, Arijit, SAWANT, Ashwini
33: IN 31: 202221045237 32: 2022-08-08

54: AN IMPROVED PROCESS FOR PREPARING ANTIVIRAL PHOSPHONATE ANALOGUES

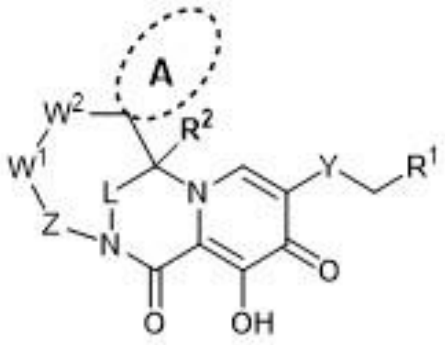
00: -

The present invention relates to an improved process for the preparation of (((1-(6-amino-9H-purin-9-yl)propan-2-yloxy) methyl) (phenoxy) phosphoryloxy) methyl pivalate Compound (1) or its pharmaceutically acceptable salts thereof. The compound is useful as nucleotide reverse transcriptase inhibitor in therapy for diseases which

respond to inhibition of protein kinase activity in humans in need thereof.

21: 2025/01263. 22: 2025/02/11. 43: 2025/10/10
51: A61K; C07D; A61P
71: GILEAD SCIENCES, INC.
72: CHU, HANG, GONZALEZ BUENROSTRO, ANA Z., HAN, XIAOCHUN, HURTLEY, ANNA E., JIANG, LAN, LI, JIAYAO, SCHWARZWALDER, GREGG M., SHIVAKUMAR, DEVLEENA M., VON BARGEN, MATTHEW J., WU, QIAOYIN, YANG, HONG
33: US 31: 63/328,061 32: 2022-04-06
33: US 31: 63/476,873 32: 2022-12-22
54: BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND USES THEREOF
00: -

The present disclosure relates generally to compounds, of Formula I. Also disclosed are pharmaceutical compositions comprising said compounds and methods of making said compounds. The compounds of the disclosure are useful in treating or preventing human immunodeficiency virus (HIV) infection.



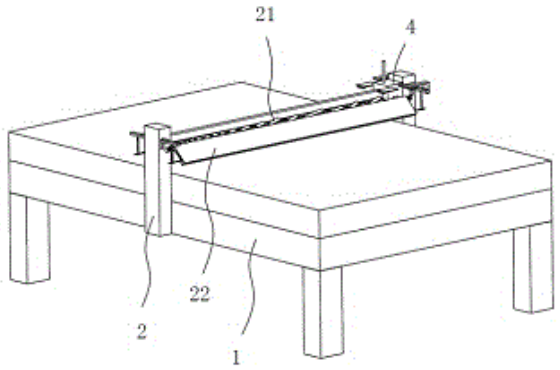
I

21: 2025/01281. 22: 2025/02/11. 43: 2025/08/18
51: B21B; B21D; C09D; C21D; C22C; C23C
71: Baoshan Iron & Steel Co., Ltd.
72: TAN, Ning, LIU, Hao, JIN, Xinyan, MA, Xuedan
33: CN 31: 202210869048.0 32: 2022-07-22
54: ALUMINUM-SILICON-PLATED STEEL PLATE AND THERMOFORMED COMPONENT, AND MANUFACTURING METHODS THEREFOR
00: -

An aluminum-silicon-plated steel plate with a coating, the aluminum-silicon-plated steel plate comprising a steel substrate and an aluminum-silicon plating plated on the surface of the steel substrate, the surface of the aluminum-silicon plating being further coated with a coating, wherein the coating contains C, H, O, N and Si and does not contain P, and the content of Si in the coating is 10-1000 mg/m^2. A manufacturing method for the aluminum-silicon-plated steel plate, and a thermoformed component prepared by using the aluminum-silicon-plated steel plate. The manufacturing method for the aluminum-silicon-plated steel plate comprises the steps of steel making, hot rolling, cold rolling, hot dipping, leveling and coating with a paint to form a coating. A manufacturing method for the thermoformed component specifically comprises the steps of: (1) cutting an aluminum-silicon-plated steel plate into a blank; (2) subjecting same to a heat treatment in a furnace, wherein the heating rate of the blank from room temperature to 700ºC is controlled to be 5-30ºC/s, and the heating rate at 700ºC or higher is controlled to be 1-10ºC/s; and (3) transferring the blank into a mold for hot stamping or rolling forming.

21: 2025/01316. 22: 2025/02/12. 43: 2025/08/19
51: B23K; B23B
71: SICHUAN XINFURUI TECHNOLOGY DEVELOPMENT CO., LTD.
72: WANG, KANGKANG, YIN, WENLONG, YANG, FAN
33: CN 31: 202411974909.7 32: 2024-12-31
54: FULLY AUTOMATIC ATTACHING TYPE LASER DIE-CUTTING APPARATUS AND PROCESS
00: -

The present invention relates to a fully automatic attaching type laser die-cutting apparatus and process and belongs to the technical field of laser cutting. The fully automatic attaching type laser die-cutting apparatus includes a frame, a laser fixture and a laser cutting head, where the laser fixture is provided on the frame, a sliding seat is slidably provided on the laser fixture, and the laser cutting head is provided on the sliding seat, where a dust adsorption assembly for absorbing smoke is provided on the sliding seat, blocking covers are rotatably provided on two opposite sides of the laser fixture, a rotation axis of the blocking cover is parallel to a sliding direction of the sliding seat, a transmission assembly is provided on the laser fixture, and the transmission assembly is used for adjusting the blocking cover to rotate to a direction close to the laser cutting head when the sliding seat slides from an initial position towards a center of the laser fixture for laser cutting, and the initial position of the sliding seat is either end of the laser fixture. The present invention has the advantages of reducing smoke disperse and improving smoke adsorption.



21: 2025/01323. 22: 2025/02/12. 43: 2025/08/19
51: A61K; C07D; A61P
71: MINDRANK THERAPEUTICS (SUZHOU) NEW DRUG RESEARCH AND DEVELOPMENT CO., LTD
72: ZHANG, Long, NIU, Zhangming, HU, Yang
33: CN 31: 202210843897.9 32: 2022-07-18
33: CN 31: 202210845410.0 32: 2022-07-18

54: POLYMORPHIC FORM OF GLP-1R AGONIST, PREPARATION METHOD THEREFOR AND USE THEREOF

00: -

The present invention provides a polymorphic form of a GLP-1R agonist compound (III), a preparation method therefor and a use thereof. Compared with an amorphous form of compound (III), the polymorphic form of the present invention has higher stability and better processability, and is more suitable for preparing a drug for preventing or treating diseases related to a GLP-1R target and a signaling pathway thereof, such as type 2 diabetes, prediabetes, obesity, non-alcoholic fatty liver disease, non-alcoholic steatohepatitis, kidney disease, gout, hyperhematuria, cardiovascular disease, etc.

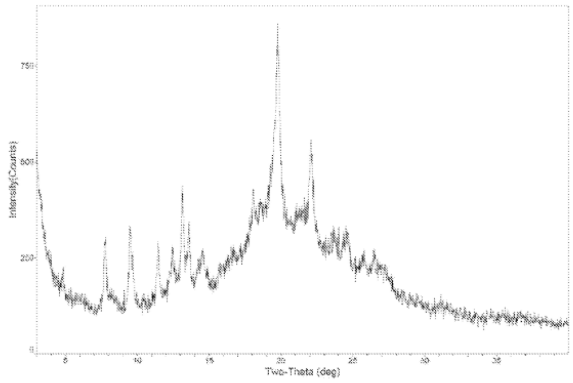
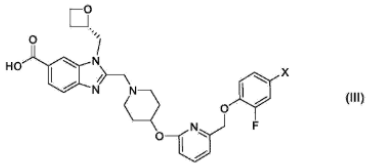


图 1



(III)

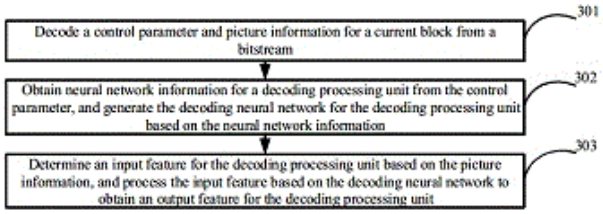
21: 2025/01335. 22: 2025/02/12. 43: 2025/08/27
51: H04N
71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
72: CHEN, FANGDONG, YE, ZONGMIAO, WU, XIAOYANG
33: CN 31: 202210834031.1 32: 2022-07-14

54: IMAGE DECODING METHOD AND APPARATUS BASED ON NEURAL NETWORK, IMAGE ENCODING METHOD AND APPARATUS BASED ON NEURAL NETWORK, AND DEVICE THEREOF

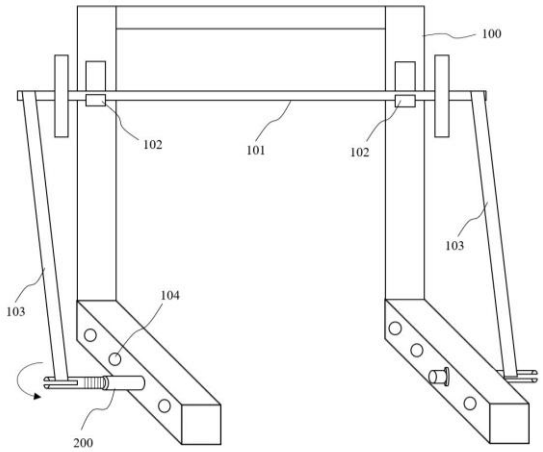
00: -

Provided in the present disclosure are an image decoding method and apparatus based on a neural network, an image encoding method and apparatus based on a neural network, and a device thereof. The image decoding method comprises: decoding, from a code stream, a control parameter and image information, which correspond to the current block; acquiring, from the control parameter, neural network information corresponding to a decoding processing unit, and on the basis of the neural network information, generating a decoding neural network corresponding to the decoding processing unit; and on the basis of the image information, determining an input feature corresponding to the decoding processing unit, and processing the input feature on the basis of the decoding neural network, so as to obtain an output feature corresponding to the decoding processing unit. By means of the

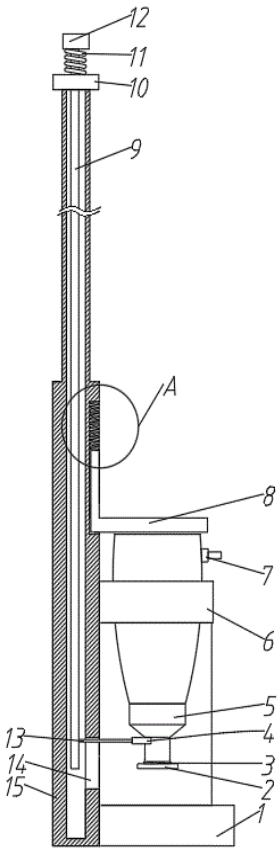
present disclosure, the encoding performance and the decoding performance can be improved.



21: 2025/01380. 22: 2025/02/14. 43: 2025/08/19
51: A63B
71: Maxim Andreevich Chernyaev
72: Maxim Andreevich Chernyaev
33: RU 31: 2024133733 32: 2024-11-11
54: POWER BAND FIXATOR FOR GYM RACK
00: -
The claimed device relates to sports equipment, in particular to clips of power bands (or fitness bands) for performing exercises with their use in a power rack. The technical result is to make it possible to adjust the resistance created by the power band by winding it onto a latch mounted in the power rack. The claimed technical result is achieved due to the design of a power band retainer installed in the opening of the power rack, made in the form of two metal parts forming a receiving and mating parts connected by means of a threaded connection, while the receiving part contains a locking element and an internal thread, and the mating part contains a slot at one end and an external thread at the other end.



21: 2025/01387. 22: 2025/02/14. 43: 2025/09/16
51: G01N
71: Qinghai Bureau of Environmental Geology Exploration, Qinghai 906 Engineering Survey and Design Institute
72: ZHAO Zhen, QIN Guangxiong, ZHENG Yuejun, PAN Peichong
54: WATER SAMPLING DEVICE FOR EXTRACTING GAS FROM WATER
00: -
The invention belongs to the technical field of sampling devices, in particular to a water sampling device for extracting gas from water, which comprises a water sampling unit, wherein the water sampling unit comprises a pipe body, the bottom end of the pipe body is detachably connected with a collection bottle, the collection bottle is provided with an exhaust valve, the mouth of the collection bottle is provided with a valve body, a filter screen cylinder is covered on the collection bottle, and a trigger mechanism for controlling the valve body to open is arranged on the pipe body; A water sample quick-freezing unit, which comprises a heat preservation box, a box cover is buckled on the heat preservation box, and a quick-freezing mechanism is arranged in the heat preservation box, and the quick-freezing mechanism is used for quick-freezing a collection bottle containing water samples. The invention is simple and convenient to operate, and can effectively prevent the gas from mixing in the process of water body adoption and sample delivery, thereby ensuring the purity of the gas after the gas-liquid separation experiment.



21: 2025/01390. 22: 2025/02/14. 43: 2025/08/19
51: F24D; G05D
71: Evolution Valves (Pty) Ltd.
72: DAVIS, John Mark
33: ZA 31: 2024/01352 32: 2024-02-14
54: VALVE UNIT
00: -
A valve unit which includes a non-metal valve body, an inlet-end and an outlet-end fast with the non-metal valve body, and a metal adapter rotatably fitted to the inlet-end and the outlet-end, the non-metal valve body of which the non-metal valve body is a plastic non-metal valve body of composite material such as glass-filled nylon and the metal adapter is a brass adapter.

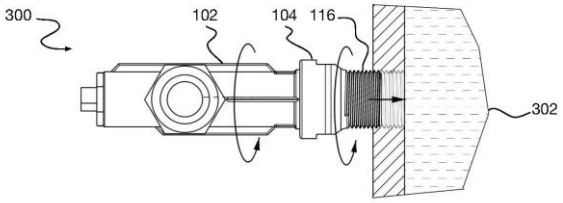


FIG. 3A

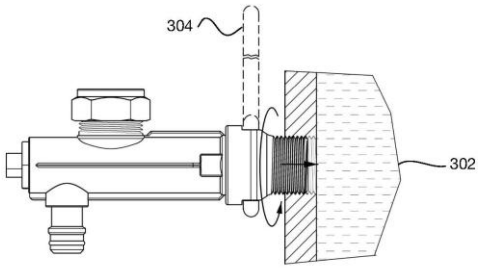


FIG. 3B

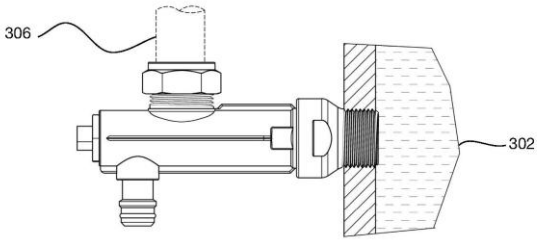
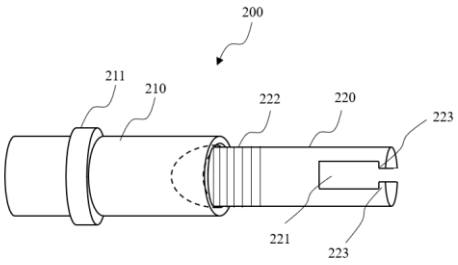


FIG. 3C

21: 2025/01397. 22: 2025/02/14. 43: 2025/08/19
51: A63B
71: Maxim Andreevich Chernyaev
72: Maxim Andreevich Chernyaev
33: RU 31: 2025100132 32: 2025-01-09
54: POWER BAND FIXATOR FOR POWER RACK
00: -
The claimed device relates to sports equipment, in particular to power bands (or fitness bands) fixator for performing exercises with their use in a power rack. The technical result is to make it possible to adjust the resistance created by the power band by winding it onto a latch mounted in the power rack. The claimed technical result is achieved due to the design of a power band retainer installed in the opening of the power rack, made in the form of two metal parts forming a receiving and mating parts connected by means of a threaded connection, while the receiving part contains a locking element and an internal thread, and the mating part contains a slot at one end and an external thread at the other end in this case, the slot contains protrusions.

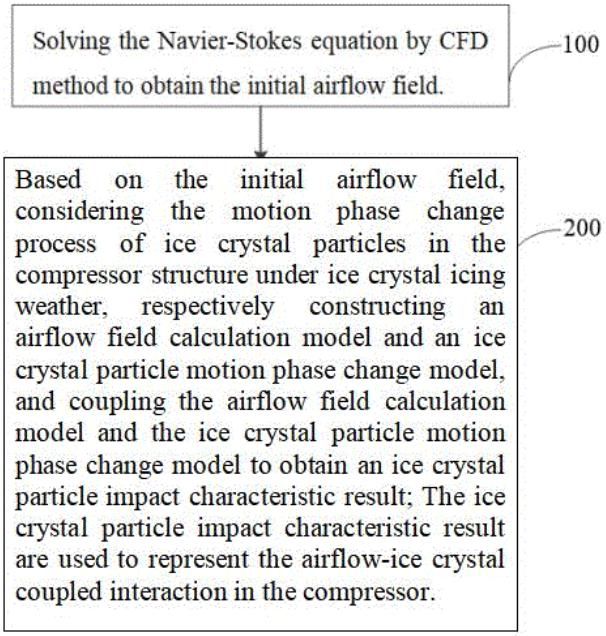


21: 2025/01399. 22: 2025/02/14. 43: 2025/08/26
51: G06F
71: Beihang University
72: Bu Xueqin, Yu Jia, Lin Guiping
33: CN 31: 2024105224178 32: 2024-04-28

54: A CALCULATION METHOD AND SYSTEM FOR AIRFLOW-ICE CRYSTAL COUPLED INTERACTION IN A COMPRESSOR

00: -

The invention discloses a calculation method and system for airflow-ice crystal coupled interaction in a compressor, and relates to the technical field of ice crystal icing of airplanes and engines. The method comprises the following steps: solving a Navier-Stokes equation by using a CFD method to obtain an initial airflow field; The initial airflow field includes pressure, velocity, temperature and shear stress of air in the compressor; Based on the initial airflow field, respectively constructing an airflow field calculation model and an ice crystal particle motion phase change model, and performing coupling calculation on the airflow field calculation model and the ice crystal particle motion phase change model to obtain an ice crystal particle impact characteristic result; The ice crystal particle impact characteristic result are used to represent the airflow-ice crystal coupled interaction in the compressor. The invention can obtain the coupled heat and mass transfer process of airflow-ice crystals in the engine structure, which is helpful to improve the knowledge and understanding of the coupled heat and mass transfer characteristics between ice crystals and air when they move inside the engine.

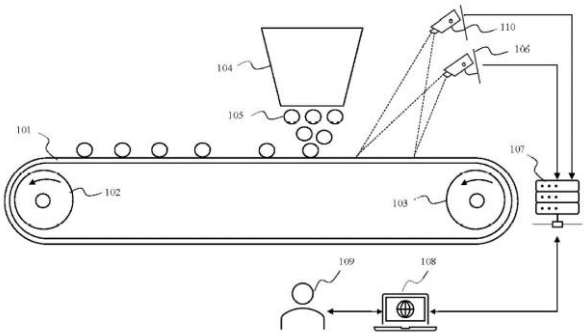


21: 2025/01408. 22: 2025/02/14. 43: 2025/08/20
51: B65G
71: Aleksey Gennadevich Pridorozhnyi
72: Aleksey Gennadevich Pridorozhnyi
33: RU 31: 2023103875 32: 2023-02-20

54: METHOD AND SYSTEM FOR THE AUTOMATED DETECTION OF CONVEYOR BELT FAULTS

00: -

A method for the detection of conveyor belt faults includes obtaining a sequence of frames from an infrared camera and a video camera that are arranged so as to obtain thermal and video images of the surface of a conveyor belt, obtaining data about a maximum temperature Tmax and a baseline temperature Tbase of the surface of the conveyor belt, and detecting the presence of a fault in the conveyor belt if, on the frames of the thermal image, Tmax exceeds Tbase by more than a given value during a given time interval. The video images and thermograms obtained from the video camera and the infrared camera during filming are processed by a computing device which generates an augmented reality image in a graphical user interface (GUI) by overlaying onto a video image a thermogram or the regions having a temperature that exceeds the baseline temperature Tbase of the surface of the belt by more than a given value of a temperature interval. The technical result consists in more accurate detection of conveyor belt faults.

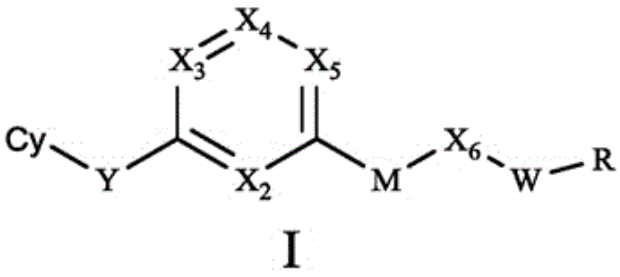


21: 2025/01471. 22: 2025/02/17. 43: 2025/08/21
51: C07D; A61K; A61P
71: HAISCO PHARMACEUTICAL GROUP CO., LTD.
72: LI, YAO, SHI, ZONGJUN, CHEN, LEI, PEI, YUNPENG, SHU, TIANBO, WANG, PENGCHENG, SHI, SHAOHUI, HE, LINKUN, TANG, PINGMING, ZHANG, CHEN, YAN, PANGKE
33: CN 31: 202211292824.1 32: 2022-10-21
33: CN 31: 202310003195.4 32: 2023-01-03
33: CN 31: 202310329117.3 32: 2023-03-30
33: CN 31: 202210848185.6 32: 2022-07-19
33: CN 31: 202211051796.4 32: 2022-08-30
33: CN 31: 202211432056.5 32: 2022-11-16
33: CN 31: 202310502696.7 32: 2023-05-06

54: PREPARATION AND USE OF QUINAZOLINONE DERIVATIVE AS KINASE INHIBITOR

00: -

Disclosed are a compound represented by formula I, a stereoisomer, deuterated product or pharmaceutically acceptable salt thereof, or a pharmaceutical composition containing same, as well as a use thereof as a BRAF modulator in the preparation of a drug for the treatment of related diseases. Each group shown in formula (I) is as defined in the description.



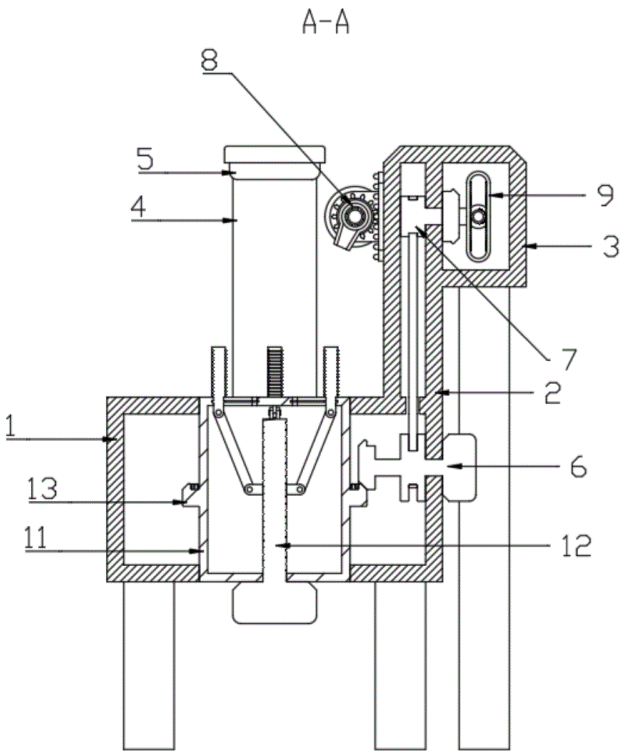
I

21: 2025/01497. 22: 2025/02/18. 43: 2025/09/03
51: G01N
71: Tongling University
72: Du FeiXiang, Shu ShuLi, Wang Wei, Xu Ling, Wang Qian, Wang ZhongLiang

54: METAL SURFACE DEFECT DETECTION DEVICE

00: -

The present invention discloses a metal surface defect detection device, which relates to the technical field of metal surface defect detection. The device includes a detection box, and a detection cylinder is installed in the middle of the detection box. The present invention combines the linkage structure, the blowing structure and the swing structure.The half gear in the linkage structure rotates, drives the connecting rotating rod one and the main wheel two, and is efficiently transmitted to the blowing structure from the wheel two through the synchronization belt two, and starts the blowing fan to generate a strong air flow; this air flows through the wind cover, air duct 1, air duct 2 and long air nozzle to blow to the metal surface; at the same time, the half gear drives the up and down movement of the adjustment rod and the toothed plate through the rack in the inner wall of the adjustment frame, and the movement of the toothed plate passes through Meshing with the transmission gear, drive the air duct 2 and the long air nozzle to swing, adjust the airflow direction and coverage range, evenly purge the metal surface, and remove dust and impurities, thereby ensuring the image clarity of the image-taking unit on the metal surface, and thus ensuring The accuracy and reliability of metal surface defect detection.

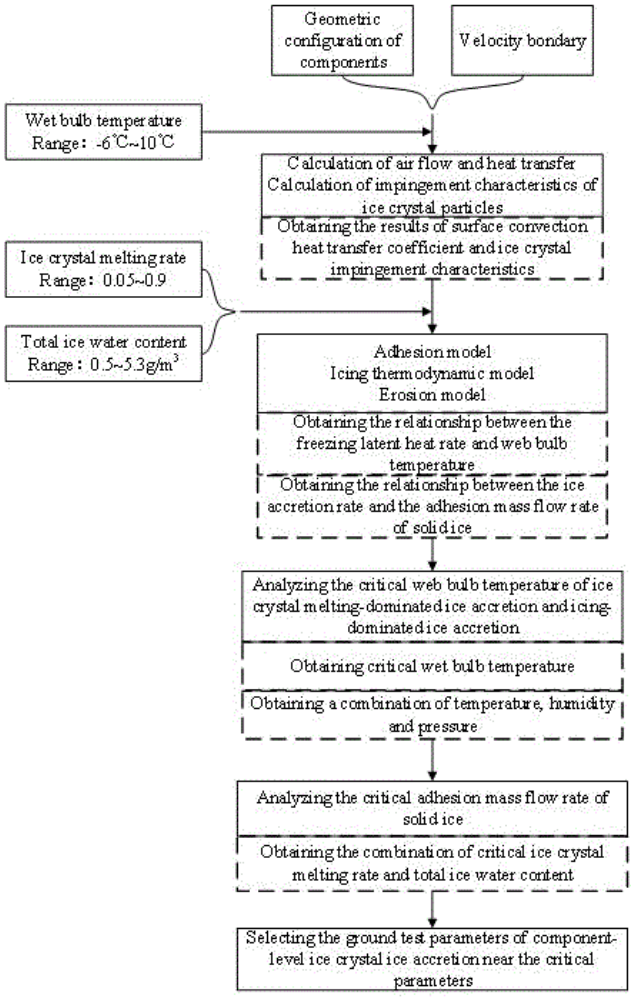


21: 2025/01541. 22: 2025/02/19. 43: 2025/09/01
51: G06F
71: Beihang University
72: Bu Xueqin, Huang Ping, Lin Guiping, Yu Jia, Jin Haichuan, Liu Zonghui
33: CN 31: 2024101919290 32: 2024-02-21

54: A DETERMINATION METHOD OF CRITICAL VALUE OF KEY PARAMETERS IN GROUND TEST OF ICE CRYSTAL ICING OF ENGINE COMPONENTS

00: -

The invention belongs to the technical field of aircraft and engine icing, and specifically discloses a determination method of critical value of key parameters in ground test of ice crystal icing of engine components. The method obtains the critical values of key parameters which have great influence on the ice crystal icing process through energy and mass analysis, and the key parameters are wet bulb temperature, melting rate and total ice water content respectively. Based on the theoretical model of ice crystal icing and numerical simulation method, the relationship between the changes of key parameters and the icing state and ice accretion amount is further analyzed to obtain the critical values of key parameters, so as to predict the ice accretion risk.

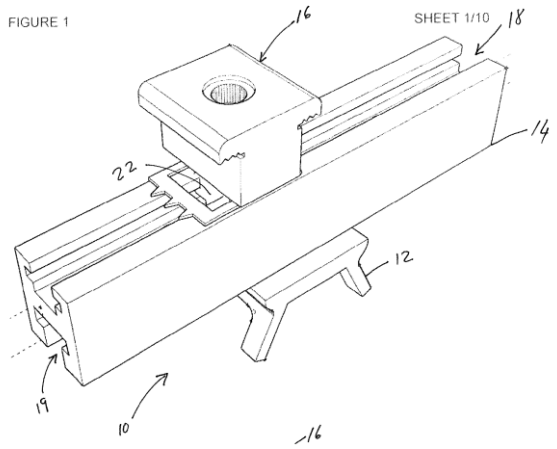


21: 2025/01576. 22: 2025/02/20. 43: 2025/08/25
51: H02S
71: BEUKES, Dewald
72: BEUKES, Dewald
33: ZA 31: 2023/08548 32: 2024-03-06

54: AN ADJUSTABLE BRACKET

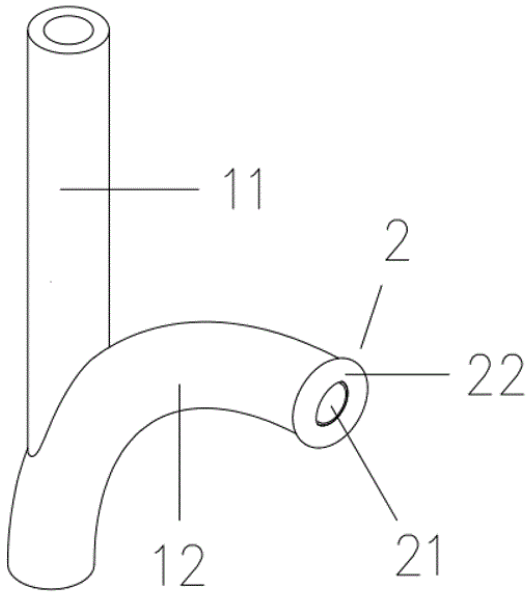
00: -

An adjustable bracket for mounting a solar panel onto a surface which includes a mounting member for mounting the bracket onto a surface, a support member adjustably arranged about the mounting member for in use, supporting at least a portion of a solar panel, and a securing member adjustably arranged about the support member for in use, securing the at least portion of the solar panel on the support member.



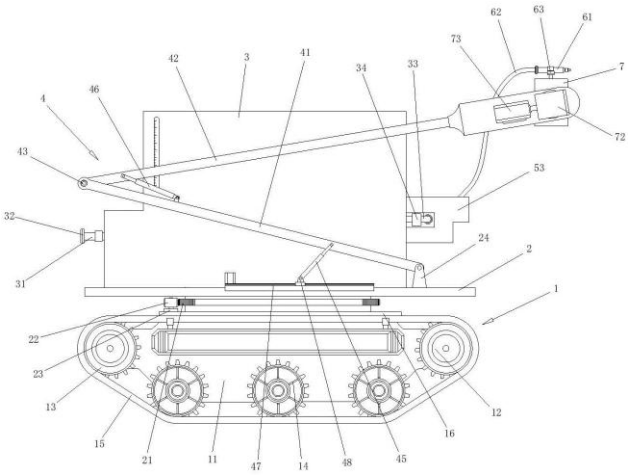
21: 2025/01583. 22: 2025/02/20. 43: 2025/08/25
51: A61K; A61P; C07D
71: Arvinas Operations, Inc.
72: CREW, Andrew P., DONG, Hanqing, SNYDER, Lawrence B., WANG, Jing
33: US 31: 62/950,815 32: 2019-12-19
54: COMPOUNDS AND METHODS FOR THE TARGETED DEGRADATION OF ANDROGEN RECEPTOR
00: -
This disclosure pertains to compounds, the preparation thereof, and the use of these compounds in the treatment of prostate cancer, including metastatic and/or castrate-resistant prostate cancer, in subjects in need thereof.

21: 2025/01603. 22: 2025/02/21. 43: 2025/09/01
51: A61F
71: QuZhou People's Hospital (The Central Hospital Of Qu Zhou)
72: Li Huimei, Zhao Chenyang, Fu Yin, Zhang Weihong, Jiang Liying, Jiang Bingjie, Yu Xiangchun
54: AN R-TYPE LARYNGEAL STENOSIS EXPANSION STENT WITH AN INNER SLEEVE
00: -
The present invention discloses an R-type laryngeal stenosis expansion stent with an inner sleeve, belonging to the technical field of laryngeal stenosis treatment, comprising: an R-tube outer stent, an inner sleeve, and a blocking tube; Among them, the outer bracket of the r tube includes a straight tube and an arc-shaped tube 1; One end of the straight pipe is connected to the curved pipe 1 and internally connected; The inner sleeve comprises an arc-shaped tube 2 and an annular ring; The arc-shaped tube 2 is connected to the interior of the arc-shaped tube 1, and the annular ring is connected to the outer port of the arc-shaped tube 2; The blocking tube is detachably connected to the outer port of the arc-shaped tube one for blocking the arc-shaped tube one; This design can avoid the possibility of laryngeal obstruction caused by the failure of the T-tube side opening to block the tube after surgery, as well as the possibility of removing the T-tube stent or inserting a tracheal tube with an inner sleeve in a second surgery.

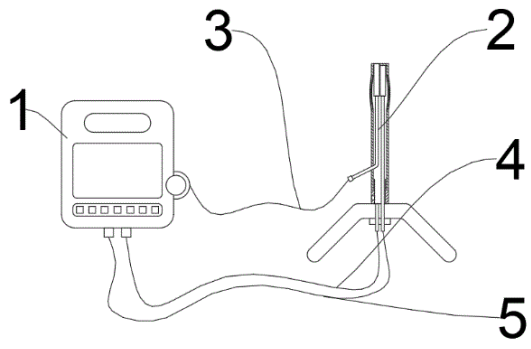


21: 2025/01610. 22: 2025/02/21. 43: 2025/08/27
51: G05B
71: Zhalainuoer Coal Industry Co., Ltd
72: ZHANG, Jinliang, LI, Qinghai, YAN, Shouqing, YANG, Yue, LI, Lin, LI, Zhe, ZHOU, Peijun, WANG, Guohui, ZHAO, Yu, HOU, Lei
54: CRAWLER-TYPE INTELLIGENT FIRE SUPPRESSION EQUIPMENT FOR THREE-SOFT COAL SEAM WITH MUD-DESTABILIZED ROADWAY FLOOR
00: -
The present invention discloses a crawler-type intelligent fire suppression equipment for three-soft coal Seam with mud-destabilized roadway floor, which includes a walking device, a rotating platform, a first driving mechanism, a water storage tank, a folding and telescoping mechanism, a winch mechanism, a high-pressure injection components and an electric control unit, and the walking device includes a frame and two crawler traveling mechanisms, the rotating platform rotates on the top of the frame, and the water storage tank is mounted

on the top of the rotating platform. The folding and telescoping mechanism comprising a first rocker arm support, a second rocker arm support, a first oil cylinder and a second cylinder, the first and second rocker arm support are located on the outside of the water storage tank, the first end of the first rocker arm support is hinged to the front end of the rotating platform through the hinged support, and the other end of the first rocker arm support is hinged to the rear end of the second rocker arm support. The winch mechanism is located at the front side of the water storage tank, and the high-pressure jetting assembly is located at the front end of the second rocker bracket through a mounting base base. The present invention is capable of quickly reaching the fire point in the roadway without requiring a worker to reach the location of the fire source, with a high degree of automation, an efficient fire extinguishing capability, and a higher safety performance.



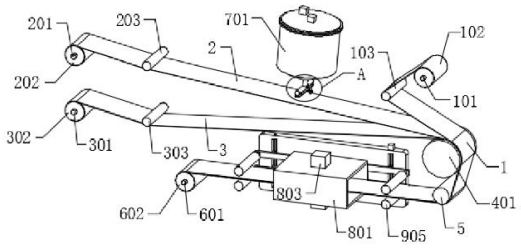
21: 2025/01644. 22: 2025/02/24. 43: 2025/08/27
51: A61M
71: Suzhou Dongquan Biotechnology Co., Ltd.
72: Binhui ZHU, Bin WEN, Rong HAN
33: CN 31: 2024119870397 32: 2024-12-31
54: VAGINAL FUNCTION EXERCISER
00: -
The present invention belongs to the technical field of medical devices, and in particular, relates to a vaginal function exerciser, including: an inserting end, an irrigating pipeline being arranged at a front end of the inserting end, and an expansion unit being arranged at a middle part of the inserting end; and a host, a first port of the host communicating with the expansion unit through a second hose, a second port of the host communicating with the irrigating pipeline through a first hose. A camera is arranged at the front end of the inserting end, and the camera is electrically connected to a third port of the host through a power supply and signal line. The vaginal function exerciser achieves multiple functions of vaginal exercise and irrigation, so that a patient can perform vaginal irrigation, drug administration and dilation under the guidance of a doctor, and the vaginal rehabilitation effect can be improved.



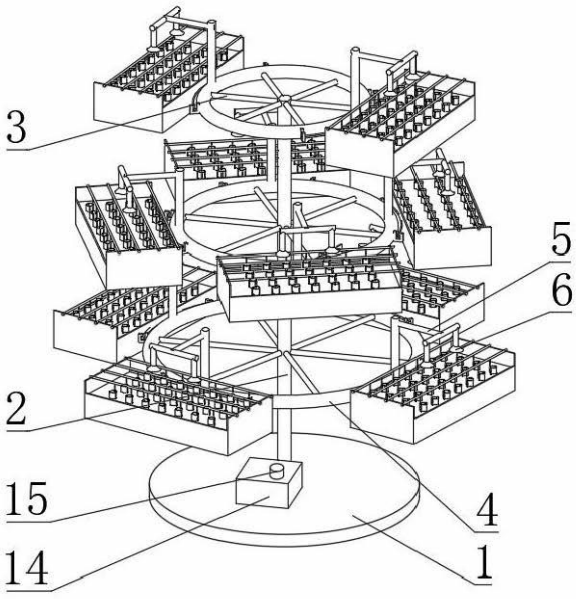
21: 2025/01671. 22: 2025/02/24. 43: 2025/08/27
51: A61K; C07K
71: IMMUNOVANT SCIENCES GMBH
72: SALZMANN, Peter, SCHRIER, Lauren, TEDESCHI, Philip, MACIAS, William
33: US 31: 63/374,649 32: 2022-09-06
33: US 31: 63/500,233 32: 2023-05-04
54: METHODS OF TREATING GRAVES' DISEASE USING ANTI-FCRN ANTIBODIES
00: -
The present disclosure relates to methods of treating Graves' Disease using anti-FcRn antibodies.

21: 2025/01680. 22: 2025/02/24. 43: 2025/08/27
51: A61K; C07K; A61P
71: IMMUNOVANT SCIENCES GMBH
72: SALZMANN, Peter, SCHRIER, Lauren, TEDESCHI, Philip, MACIAS, William
33: US 31: 63/374,644 32: 2022-09-06
54: METHODS OF TREATING CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY USING ANTI-FCRN ANTIBODIES
00: -
The present disclosure relates to methods of treating Chronic Inflammatory Demyelinating Polyneuropathy using anti-FcRn antibodies.

21: 2025/01704. 22: 2025/02/25. 43: 2025/08/28
51: A61F; A61L
71: QINGDAO TYMUS MACHINERY TECHNOLOGY CO., LTD.
72: LI, Shenglin, CHEN, Bing, MA, Jingliang, SONG, Ruihua, LIU, Chao
33: CN 31: 202510131418.4 32: 2025-02-06
54: A PRODUCTION APPARATUS FOR A DEGRADABLE COMPOSITE ABSORPTION CORE
00: -
The invention discloses a production apparatus for a degradable composite absorption core, comprising a lower absorption core, a middle absorption core, an upper absorption core, a negative pressure adsorption roller assembly, a connecting roller, and a winding assembly, wherein the lower absorption core is wound on a first unwinding assembly. The design of this invention is rational and capable of fully dispersing degradable water-absorbing resin slurry and evenly spraying it from multiple discharge ports onto the middle absorption core, ensuring consistent thickness of the composite core. It also allows for adjusting the discharge amount of the degradable water-absorbing resin slurry, thereby enabling control over the thickness of the composite absorption core. The negative pressure adsorption roller assembly adsorbs and combines the layers, preliminarily forming the composite core. The upper and lower hot pressing rollers clamp the composite core, the winding drum winds the composite core, and the hot air blower dries the composite core as it passes through the hot drying box. The left and right groups of upper and lower hot pressing rollers ensure that the composite core is fully bonded together.

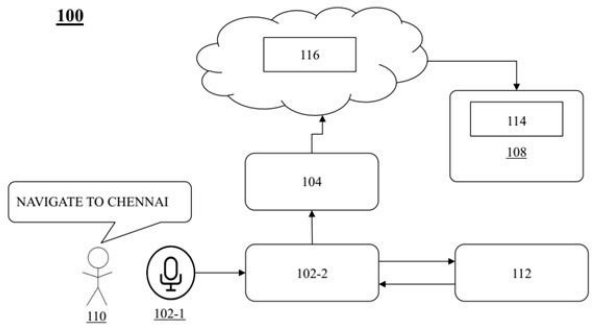


21: 2025/01705. 22: 2025/02/25. 43: 2025/08/28
51: B07B; G08B
71: LI, XiaoLin, YAO, Qian, GUAN, DeTian, LI, HaiYan, LI, SongYang, LI, JianDa, LI, HaoTian, ZHOU, BaoGuo, LEI, YongQuan
72: LI, XiaoLin, YAO, Qian, GUAN, DeTian, LI, HaiYan, LI, SongYang, LI, JianDa, LI, HaoTian, ZHOU, BaoGuo, LEI, YongQuan
33: CN 31: 2025101040964 32: 2025-01-22
54: SELF-CONTROLLED MOVABLE AGRICULTURAL PRODUCTION FACILITY
00: -
The present application discloses a self-controlled movable agricultural production facility, and belongs to the technical field of agricultural production. The self-controlled movable agricultural production facility includes: a base, wherein a vertical pipe is arranged at a central position of the base; a plurality of layers of water collecting tank groups arranged at intervals along a height direction of the vertical pipe; and a moving part arranged at a lower side of the base and configured to drive the production facility to move. The present application can improve the space utilization rate of the device and reduce the space occupation during the seedling cultivation process by arranging a plurality of layers of water collecting tank groups.



21: 2025/01731. 22: 2025/02/25. 43: 2025/09/01
51: G01C; G08G
71: MAHINDRA & MAHINDRA LIMITED
72: PALANIVELU, Prabaharan, RAGOTHAMAN, Umasankar, SIMON, Sujith, KRISHNAN, Balamurugan, VANJIAPPAN, Kandhasamy Karthikeyan
33: IN 31: 202241049963 32: 2022-09-01
54: VEHICLE NAVIGATION SYSTEM

00: -
The present disclosure relates to a vehicle navigation system (100). The system (100) includes a computing device (108) having a vehicle-connect application (114) configured to establish a connection with a vehicle connectivity interface, The vehicle-connect application (114) includes a connection status module (114-2) to determine a connection status of the computing device (108) with the vehicle connectivity interface, upon receiving a navigation request from a cloud server (106); a verification module (114-3) to determine whether the unique ID received in the navigation request matches with a pre-stored unique ID in the vehicle-connect application (114); and a navigation activation module (114-4) to activate a default map application (118) on the computing device (108) to project the navigation to a destination location on the head unit (102) of the in-vehicle infotainment unit (104), when the unique ID received in the navigation request matches with the pre-stored unique ID in the vehicle-connect application (114).



21: 2025/01735. 22: 2025/02/25. 43: 2025/09/01
51: A61B
71: RLFA CONSULTANTS LTD
72: FLAVIN, Robert
33: US 31: 63/402,962 32: 2022-09-01
54: SCREW CAPTURE SYSTEM FOR CALCANEAL FRACTURE
00: -
A screw capture system for calcaneal repair is provided. The system includes an elongate nail having a hollow body with a longitudinal axis extending through the body and a through passage extending along the longitudinal axis. The body has a plurality of through-openings formed therein transverse to longitudinal axis, each of the plurality of through-openings defined by an internal wall. At least one support post is sized to be inserted into each of the plurality of through-openings. At least one set screw is inserted into the through passage. Each of the at least one set screw biases one of the at least one support posts against the internal wall of the respective through-opening.

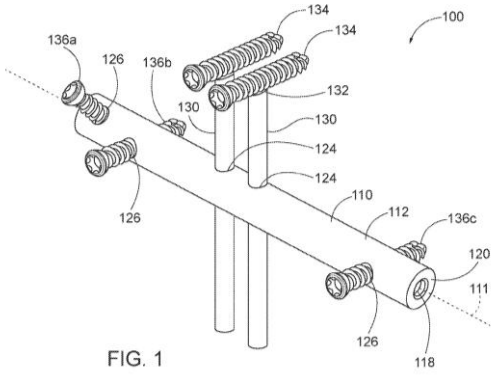
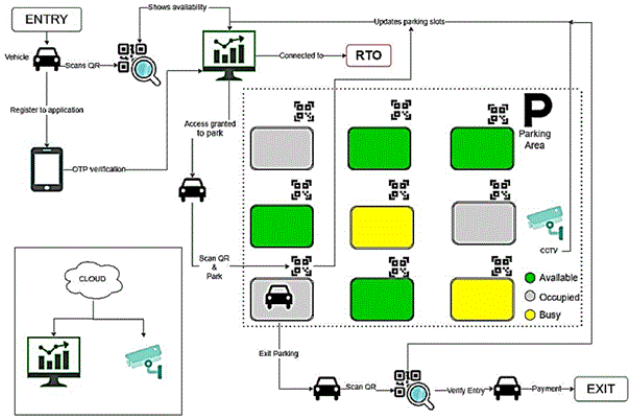


FIG. 1

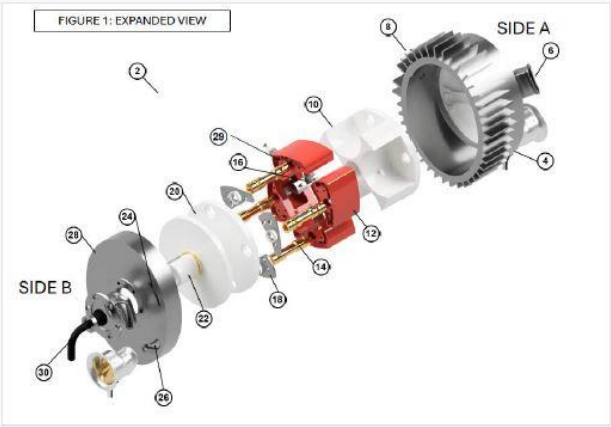
21: 2025/01745. 22: 2025/02/26. 43: 2025/09/02
51: G08G
71: Kumari Deepika, Ashwini Jewalikar (Bundele), Dr. Shruti Bharadwaj, Ms. Rekha Katarmal, Dr. Anagha Vaidya, Ms. Achala Raghvendra Deshpande, Ms. Pranali Rajendra Navghare, Rajani R. Jadhav
72: Kumari Deepika, Ashwini Jewalikar (Bundele)
54: SMART AUTOMATED PARKING SYSTEM USING QR CODE, CCTV MONITORING, AND FOG COMPUTING
00: -
The present invention relates to a smart automated parking system designed to enhance efficiency, security, and real-time parking management. The system integrates a mobile application for user registration and authentication, QR code-based entry and exit validation, a fog computing-based server for dynamic parking slot allocation, and a CCTV-based vehicle monitoring system for automated surveillance. By leveraging AI-powered analytics and ANPR technology, the system ensures secure and optimized parking operations. Real-time notifications provide users with updates on parking status, unauthorized vehicle usage, and exit validation. The invention is adaptable for various environments, including shopping malls, corporate offices, airports, and smart city infrastructures. It enhances security, prevents unauthorized parking, and enables predictive parking allocation through AI-driven analytics. The hybrid cloud-fog architecture

ensures seamless data processing and efficient parking management, making the system scalable for diverse applications. This innovation significantly improves urban mobility and parking convenience.

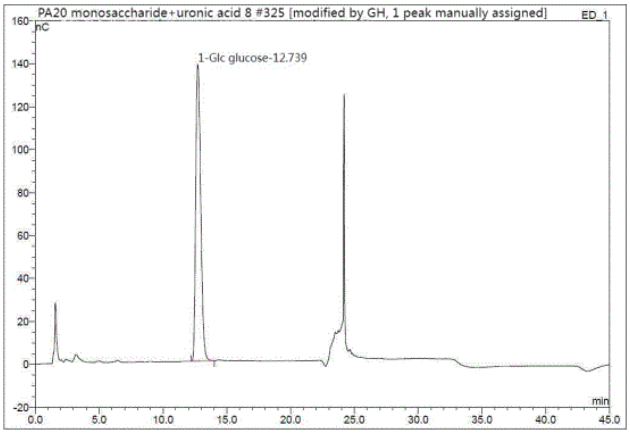


21: 2025/01746. 22: 2025/02/26. 43: 2025/09/02
51: F01C
71: COMB7 (PTY) LTD
72: SCHAUERTE, Joseph Franz

54: AN INTERNAL COMBUSTION ENGINE
00: -
The present invention relates to a novel rotor internal combustion engine.

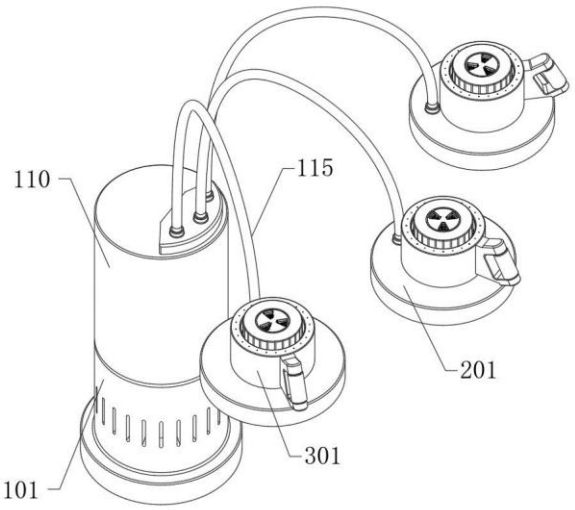


21: 2025/01795. 22: 2025/02/27. 43: 2025/09/16
51: C08B
71: Tianjin University of Science and Technology
72: Cheng ZHONG, Shuanzhu ZHAI, Hongpei LI, Yue DING, Yanyan XIE, Wenchao LI
33: CN 31: 202510101714X 32: 2025-01-22
54: ACETYLATED PORIA COCOS POLYSACCHARIDE AND ITS PREPARATION METHOD AND APPLICATION
00: -
An acetylated Poria cocos polysaccharide and its preparation method and application is disclosed, which belongs to the field of biochemical technology. The method includes the following steps: grinding the dried Poria cocos into powder, sieving the powder through a sieve, dissolving the powder into a NaOH solution, with a pH of 12, heating and extracting, and centrifuging to obtain a supernatant; obtaining a polysaccharide solution by adjusting the pH to 7.0; concentrating, adding ethanol solution, discarding the supernatant, suspending the precipitate in distilled water, dialyzing, and freeze-drying to obtain the Poria cocos crude polysaccharide; dissolving in dimethyl sulfoxide, stirring at room temperature, heating to 40 degrees Celsius, and adding NBS and acetic anhydride, and adding anhydrous ethanol, filtering, discarding the supernatant, dissolving in distilled water, performing ultrafiltration concentration, and freeze-drying to obtain the acetylated Poria cocos polysaccharide. The present invention discloses the acetylated Poria cocos polysaccharide and its preparation method and application, the acetylated Poria cocos polysaccharide prepared by this method has high water solubility, effectively solves the technical problem of low solubility of conventional Poria cocos polysaccharide in water, and improves the bioavailability of acetylated Poria cocos polysaccharide.



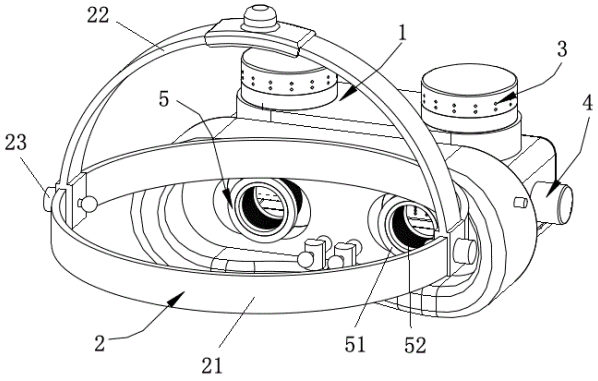
21: 2025/01796. 22: 2025/02/27. 43: 2025/09/16
51: A61H
71: Anhui University of Chinese Medicine, Hefei Comprehensive National Science Center Big Health Research Institute
72: Gao Bing, Li Liya, Wang Jing, Li Lan, Li Ruihua, Fan Minming, Jia Xuezhao, Zhang Wenxuan

33: CN 31: 2024111255879 32: 2024-08-16
54: A SMOKELESS MOXIBUSTION DEVICE
00: -
The invention relates to the field of moxibustion technology and discloses a smokeless moxibustion device, including the following components: support and smoke filtration mechanism: The top of the support and smoke filtration mechanism is equipped with several smoke guiding mechanisms. Smoke guiding mechanisms: Inside each guiding mechanism, a moxibustion support mechanism is installed. Moxibustion support mechanism: Inside the support mechanism, a smoke ash storage and heat conduction mechanism is movably set. Smoke ash storage and heat conduction mechanism: Inside this mechanism, a moxibustion column burning mechanism is installed. Moxibustion column burning mechanism: At the top of the burning mechanism, an air intake switch mechanism is set. Massage mechanism: The bottom of each smoke guiding mechanism is equipped with a massage mechanism. This smokeless moxibustion device, through the support and smoke filtration mechanism, smoke guiding mechanism, moxibustion support mechanism, smoke ash storage and heat conduction mechanism, moxibustion column burning mechanism, air intake switch mechanism, and massage mechanism, processes the smoke from the moxibustion column, preventing the smoke from affecting the experience around the moxibustion area, while also ensuring the flexibility of the device, making it convenient for the device to adapt to different moxibustion techniques.

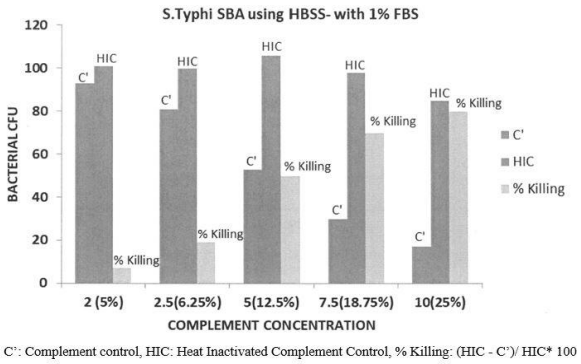


21: 2025/01797. 22: 2025/02/27. 43: 2025/09/16
51: A61H
71: Anhui University of Chinese Medicine, Hefei Comprehensive National Science Center Big Health Research Institute
72: Gao Bing, Liu Pan, Wang Jing, Li Lan, Hu Jing, Zhu Ling, Xia Ran
33: CN 31: 2024105727656 32: 2024-05-10
54: A WALNUT MOXIBUSTION DEVICE FOR MYOPIA
00: -
The present invention relates to the field of walnut moxibustion, specifically a walnut moxibustion device for myopia, which includes a shell, wherein the combustion assistance mechanism heats the storage mechanism; the interior of the shell is equipped with a residual heat mechanism, which collects the heat emitted by the combustion assistance mechanism for later use in supplementary heating of the storage mechanism; the shell is equipped with a filtration mechanism, which is used to filter the smoke and dust produced by the burning moxa sticks in the combustion assistance mechanism; the combustion assistance mechanism is equipped with a locking mechanism, which locks the combustion assistance mechanism inside the shell; the interior of the shell is equipped with a vibration mechanism, and the combustion assistance mechanism rotates inside the shell, with the vibration mechanism causing the combustion assistance mechanism to vibrate, making the ash at the end of the burning moxa stick fall off; the shell is equipped with a heat conduction mechanism, which

is used to regulate the emission point of the heat produced by the burning moxa stick.



21: 2025/01803. 22: 2025/02/27. 43: 2025/09/03
51: G01N
71: SERUM INSTITUTE OF INDIA PRIVATE LIMITED
72: MALLYA, Asha Dinesh, GAVADE, Vinay Vijay, SARGAR, Somnath Vasant, CHAVAN, Avinash Bhanudas
33: IN 31: 202421015098 32: 2024-02-29
54: ASSAY FOR DETERMINATION OF FUNCTIONAL IMMUNITY AGAINST SALMONELLA
00: -
The present invention relates to the field of Serum Bactericidal Activity (SBA) assay for Salmonella spp., particularly S. Typhi and S. Paratyphi for determining the functional antibody titre. The improved SBA assay of the present invention is simple, cost effective, robust, less time consuming, consistent, precise and accurate. A method of Serum Bactericidal Activity (SBA) assay comprises: preparing a media and a buffer; preparing a bacterial stock and diluting the bacterial stock; adding the buffer, a test serum, a complement and the bacterial stock in the buffer on a plate; incubating the plate; and calculating antibody titre. Said method utilizes specific advantageous parameters related to media type, O.D., Buffer type & Complement Concentration as compared to previous conventional assays. The present invention also relates to the immunogenic composition as tested by the SBA Assay method and a kit for performing the SBA assay.



C': Complement control, HIC: Heat Inactivated Complement Control, % Killing: (HIC - C')/ HIC* 100

21: 2025/01809. 22: 2025/02/27. 43: 2025/09/03
51: A61K; C08B; C08L
71: BIOLOGICAL E LIMITED
72: MACHA, Chandra Shekar, KOWLAKUNTLA, Eswara Reddy, KUMAR, Sudeep, PARADKAR, Vikram Madhusudan, MANTENA, Narender Dev, DATLA, Mahima
33: IN 31: 202241053370 32: 2022-09-19
54: METHOD FOR THE PURIFICATION OF CAPSULAR POLYSACCHARIDES
00: -
The present invention broadly relates to the improved method for purification of capsular polysaccharides. Particularly, the present invention relates to the method of purification of capsular polysaccharides from Streptococcus pneumoniae and other similar related capsular polysaccharides produced from both gram-negative and gram-positive microorganisms. More particularly, the invention involves passing the crude capsular polysaccharide solution through reinforced cellulose membrane having quaternary ammonium, and further contacting the solution with silicon dioxide (SiO2) and isolating the capsular polysaccharide in a pure form. The purified capsular polysaccharide is useful for producing vaccines that contain the polysaccharide alone or are conjugated to proteins.

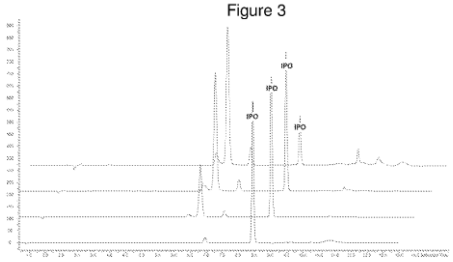
21: 2025/01840. 22: 2025/02/28. 43: 2025/09/22
51: A61K; C07C; C07D; A61P
71: ACHÉ LABORATÓRIOS FARMACÊUTICOS S.A.
72: GUIMARÃES, Cristiano Ruch Werneck, VITOR, Carlos Eduardo, PESSA, Lisandra Ravanelli, REIS, Romulo Dragani, MASCARELLO, Alessandra, GAMA, Fernando Henrique De Souza
33: BR 31: BR1020170033180 32: 2017-02-17
54: PLANT EXTRACTS ENRICHED WITH IPOLAMIIDE DERIVATIVES AS

IMMUNOSUPPRESSANTS FOR TREATING IMMUNOLOGICAL DISORDERS

00: -

The invention describes extracts from plants of the genus *Stachytarpheta* enriched with ipolamiide derivatives as immunosuppressants for treating immunological disorders. The isolated active compounds and a process of producing these are also disclosed.

Figure 3



21: 2025/01845. 22: 2025/02/28. 43: 2025/09/16
51: A24B
71: Yunnan Academy of Tobacco Agricultural Sciences, Dali Prefecture Branch of Yunnan Tobacco Company
72: XU Hongfei, SU Jiaen, CHEN Yi, HU Binbin, JIANG Yonglei, TANG Yuchun, LIU Shihang, JI Xinwei, LI Baole, HE Jun

54: FLUE-CURED TOBACCO PREPARED USING THE "SIX STEPS AND THREE KEY POINTS" CURING PROCESS IN BULK CURING BARNS

00: -

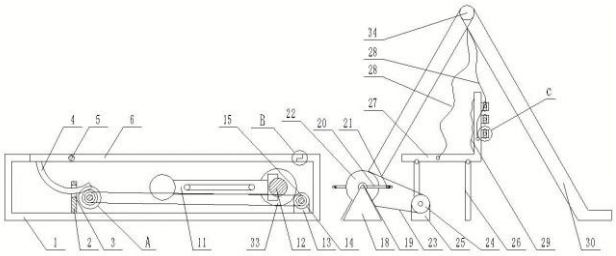
The invention provides a flue-cured tobacco prepared using the "Six Steps and Three Key Points" curing process in bulk curing barns, and belongs to the technical field of flue-cured tobacco curing. According to the invention, the coordination of yellowing and water loss, color fixing and aroma enhancement, and stem drying and aroma preservation" during the curing process is achieved by controlling the curing temperature and temperature stabilization time in the early yellowing stage, the middle yellowing stage, the late yellowing stage, the early color fixing stage, the late color fixing stage and the stem drying stage of flue-cured tobacco, so as to promote the standardization of Yunnan's intensive curing process system, improve the purchasing grade and internal quality of Yunnan's high-quality tobacco raw materials as a whole, and help tobacco farmers to reduce labor costs, lower curing losses and increase the income levels.

21: 2025/01846. 22: 2025/02/28. 43: 2025/09/16
51: A63B
71: Dehongzhou People's Hospital
72: YAN Changyun, MA Luojing, LUO Guiyan, CHEN Houlin, LU Qianjiao, YANG Rongsui, TANG Yunhong, LI Jiang

54: PSYCHOLOGICAL COUNSELING AND RELAXATION EXERCISE DEVICE

00: -

The invention relates to the technical field of mental health, in particular to a psychological counseling and relaxation exercise device, which comprises a seat; a plurality of support legs are arranged and are rotatably connected to the bottom of the seat; the first bracket is arranged in front of the seat; the third rotating shaft is rotatably connected with the top of the first bracket; two rocker arms are arranged and fixedly connected with the side wall of the third rotating shaft, and the two rocker arms are located at the same horizontal line; the pedal is rotatably connected with one end of that two rocker arm which is far away from each other; transmission part; and a generator, wherein the transmission part is used for the third rotating shaft to drive the generator to rotate. The invention can achieve the purpose of relieving psychological problems.



21: 2025/01855. 22: 2025/02/28. 43: 2025/09/03
51: A61B
71: HEARING REHABILITATION CENTER "MELFON", LTD.
72: Sirotkin Valeriy Stepanovich, Khanykov Vladimir Vladimirovich, Pasyuta Sergey Mikhailovich
33: RU 31: 2024134030 32: 2024-11-14

54: A METHOD OF ADAPTIVE INVERSE TONAL AUDIBILITY LEVEL SCREENING

00: -

The present invention relates to medicine, namely to sign language - otorhinolaryngology, and can be

used in conducting audiometry for diagnostic purposes during mass preventive examinations of the population. The patient is consistently presented with sound signals in the frequency range: 125- 250 – 500 – 750 – 1000 – 2000 -3000 – 4000 – 6000 – 8000 – 10000 – 12000 – 16000 Hz at three tone levels of 5, 10, 20, 35 and 50 dB. At the same time, they start with a 20 dB tone signal. at the same time, they start with a 20 dB tone signal – test 0. If, as a result of the "0" test, the patient replied "There is a signal" at all the presented frequencies, then perform the "-1" test with a 10 Db tone level, if the patient replied "There is a signal" at all the presented frequencies, proceed to the "-2" test with a 5 Db tone level, and if the patient replied "There is a signal" at all the presented frequencies.There is a signal" at all the presented frequencies, then the study is completed and "Excellent audibility" is determined. If, as a result of the "-2" test, the patient receives a response of "No signal" at at least one of the frequencies, then the study is completed and "good audibility" is determined. If, as a result of the "-1" test, the response "No signal" is received from the patient at least on one of the frequencies, then the study is completed and the "Hearing norm" is determined; if, as a result of the "0" test, if the response "No signal" is received from the patient at least on one of the frequencies, then the "1" test is performed." with a tone level of 35 Db; if, as a result of the "1" test, the patient replied "There is a signal" at all the presented frequencies, then the study is completed and a potential "mild hearing impairment" is determined. If, as a result of test "1", the patient replied "No signal" at at least one of the frequencies, then test "2" is performed with a tone level of 50 Db. If, as a result of the "2" test, the patient replied "There is a signal" at all the presented frequencies, then the study is completed and the "average hearing impairment" is determined. If, as a result of the "2" test, the patient replied "There is no signal" at least on one of the frequencies, then the study is completed and a "high hearing impairment" is determined. The method allows for an express hearing assessment in a short time period during mass preventive examinations of the population.

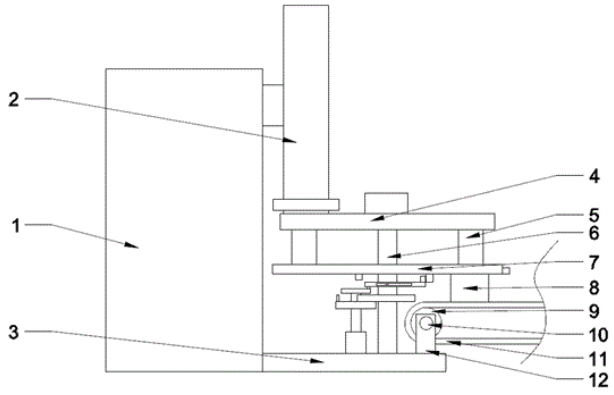
Ухо	Уровень сигнала	Частота (Гц)												Время
		125	250	500	1K	2K	4K	6K	8K	10K	12.5K	14K	16K	
Правое	20 dB			Нет	Нет	Нет	Нет	Нет						8,2 сек
	35 dB	Нет	Да	Да	Да	Нет	Нет	Нет						15,1 сек
	50 dB	Да				Да	Нет	Нет						8,1 сек
Левое	20 dB			Нет	Нет	Нет	Нет	Нет						7,4 сек
	35 dB	Нет	Да	Да	Да	Нет	Нет	Нет						10,8 сек
	50 dB	Да				Нет	Нет	Нет						8,6 сек

21: 2025/01904. 22: 2025/03/03. 43: 2025/09/16
51: G01N
71: Xinjiang Agricultural University
72: Wan Jiangchun, Li Yuanqiu, Tursunay Mamtimin, Qi Jiangjiao, Yan An
33: CN 31: 2025101290353 32: 2025-02-05
54: A METHOD FOR ANALYZING THE NUTRITIONAL COMPONENTS OF SILAGE FEED
00: -
The invention discloses a method for analyzing the nutritional components of silage, belonging to the technical field of feed testing. The method includes conducting sensory evaluation, nutritional evaluation, and fermentation evaluation, followed by comprehensive scoring and grading. This invention provides a method for analyzing the nutritional components of silage through a comprehensive analysis of its sensory attributes, nutritional content, and fermentation quality. This method offers a novel approach for the rapid and accurate evaluation of silage in the future.

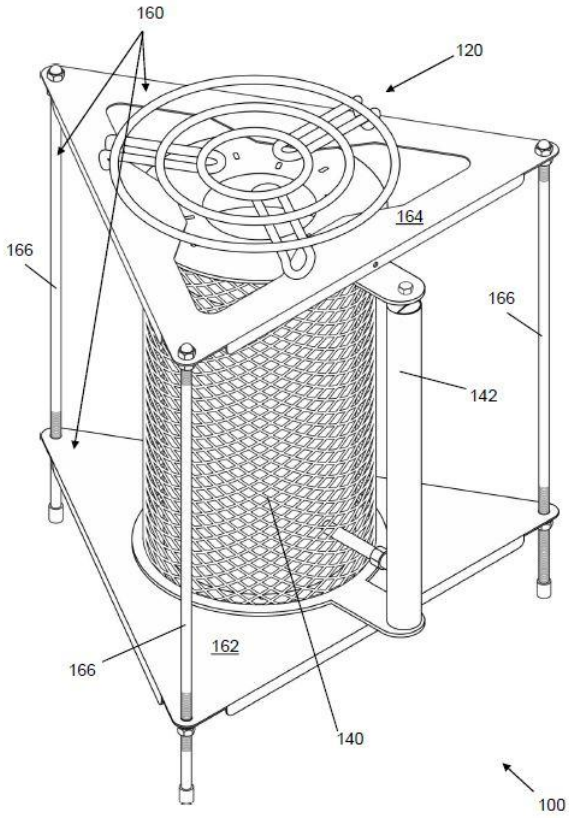
21: 2025/01926. 22: 2025/03/04. 43: 2025/09/05
51: A01G
71: Wuwei Academy of Forestry Sciences
72: Zhang Bin, He Cai, Hu Fang, Liu Wei, Jin Na, Zhang Jun, Pan Duoying, Chang Xuanxuan, Ye Fang, Chen Yanhui, Wu Yuan, Zhang Tao, Li Dong, Dong Cunyuan, Ren Dequan, Zhang Qinde, Jin Min, Gao Shengchun
33: CN 31: 2025100874390 32: 2025-01-20
54: A CULTIVATION METHOD FOR LIMONIUM AUREUM SEEDLINGS
00: -
The present invention discloses a cultivation method for Limonium aureum seedlings, comprising the following steps: S1. Seed pretreatment: taking Limonium aureum seeds, soaking them, and then performing microwave treatment; S2. Sowing: carrying out hole sowing and seedling raising in a plastic tunnel, wherein the seedling substrate is composed of the following raw materials in parts by weight: 30-40 parts of peat soil, 20-30 parts of biomass char particles, 15-25 parts of perlite, 10-20 parts of fermented residue, and 2-5 parts of

polyglutamic acid; S3. Seedling management: applying normal water and fertilizer management. The cultivation method for Limonium aureum seedlings provided by the present application significantly improves the germination rate of conventional hole sowing by performing microwave pretreatment on the seeds and optimizing and improving the seedling substrate, effectively saving seed resources and reducing seedling costs.

21: 2025/01931. 22: 2025/03/04. 43: 2025/09/08
51: B07B
71: Chongqing Wanbo Renewable Resources Utilization Co., Ltd.
72: WANG, Debo, YAO, Chuan, QIN, Zhigang
54: DELIVERY DEVICE FOR PRODUCING SECONDARY ZINC OXIDE
00: -
The present invention relates to the technical field of secondary zinc oxide production, specifically a delivery device for producing secondary zinc oxide, comprising a combustion furnace, wherein a discharge pipe is fixedly connected to one side of the combustion furnace, a base is fixedly connected to one side of the combustion furnace, a driving mechanism is fixedly connected to the base, a transmission mechanism is rotatably connected to the base, and the driving mechanism cooperates with the transmission mechanism; the transmission mechanism is slidably connected to a discharge device, a control device is provided on a cylindrical surface of the transmission mechanism, one side of the control device is slidably connected to the driving mechanism, and the control device cooperates with the discharge device; a smoke removal device is provided on one side of the transmission mechanism, and a delivery device is fixedly connected to one side of the base. This device facilitates the delivery of zinc oxide after production and removes dusty exhaust gases during the delivery process, thus avoiding greater health hazards for construction workers.



21: 2025/01935. 22: 2025/03/04. 43: 2025/09/08
51: F24B; F24C
71: HADLOW, William Albert
72: HADLOW, William Albert
33: ZA 31: 2024/01849 32: 2024-03-05
54: A STOVE
00: -
There is provided a stove comprising a chamber including a fuel reservoir located at a bottom section, a combustion portion located at an open top section, and an intermediate gasification portion. The side walls of the chamber include a first air inlet zone between the fuel reservoir and the gasification portion and a second air inlet zone at the combustion portion. An air guide is provided enclosing at least the side walls of the chamber; and a blower configured to create an air current between the side walls of the chamber and the air guide so as to direct air to the first air inlet zone and the second air inlet zone.

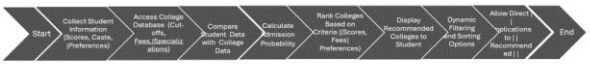


21: 2025/01936. 22: 2025/03/04. 43: 2025/10/07
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SOMATKAR, Avinash Abhiman, WAWAGE, Pawan S., ANERAO, Prashant R., CHINCHANIKAR, Satish S., JAGDALE, Manoj N., CHAVHAN, Gajanan H., POL, Rahul, RAUT, Ketan J., KARYAKARTE, Mandar, KULKARNI, Aparna Parag

54: A MEDICAL COLLEGE ADMISSION RECOMMENDATION SYSTEM BASED ON ENTRANCE EXAM SCORES

00: -

The present invention relates to a medical college admission recommendation system based on entrance exam scores. Further, the proposed system represents a significant advancement in the field of educational technology by providing a dynamic, personalized approach to college recommendations based on entrance exam scores and individual preferences. This system enhances accessibility to quality education and supports students in their academic and professional pursuits.

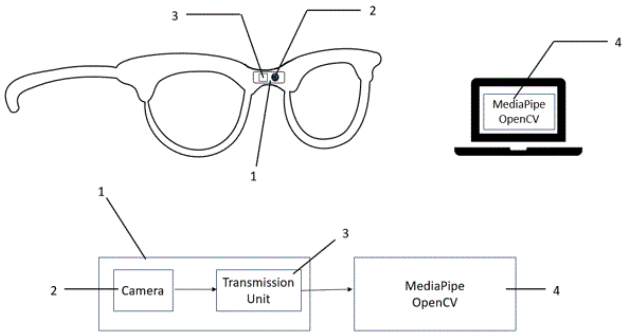


21: 2025/01937. 22: 2025/03/04. 43: 2025/10/07
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JUZAR, Naquiya, KUMAVAT, Pravin, KALE, Kaustubh, CHAVHAN, Pranali Gajanan, SHINDE, Gitanjali Rahul, CHAVHAN, Gajanan Himmatrao, WANKHEDE, Disha Sushant, MARAL, Vikas Balasaheb

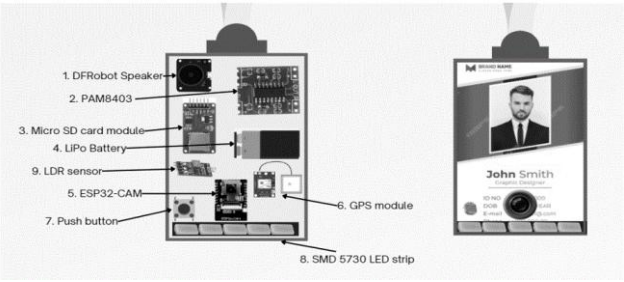
54: A SMART GLASS WITH AI-BASED HAND GESTURE RECOGNITION FOR SCREEN CONTROL

00: -

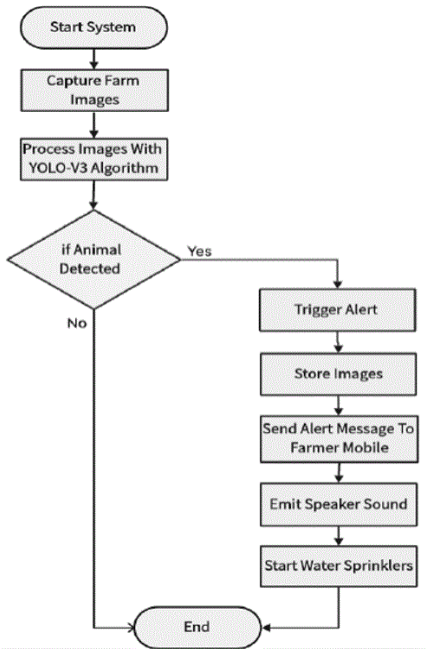
The present invention relates to a smart glass with AI-based hand gesture recognition for screen control. Utilizing an integrated computer vision system combining Mediapipe and OpenCV, along with machine learning models, the invention ensures precise hand gesture detection. The smart glasses incorporate an IR camera, IR LEDs, and a proximity-based detection system to enhance accuracy regardless of lighting conditions. Gestures such as scrolling, zooming, and navigation are translated into commands for digital devices via wireless transmission protocols like Bluetooth and Wi-Fi. Machine learning refines recognition by adapting to user-specific behaviors and environmental factors, minimizing false positives. Designed for real-time performance, power efficiency, and intuitive user experience, these glasses offer applications in education, AR/VR, and hands-free interactions, setting them apart through enhanced adaptability, proximity-based filtering, and a wearable, versatile design for superior gesture-controlled digital interfaces.



21: 2025/01938. 22: 2025/03/04. 43: 2025/10/07
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TIWASKAR, Shweta, MALI, Manisha, BEWOOR, Laxmi, RATHI, Snehal, SAINDANE, Harshwardhan Virendra, SAIPATWAR, Saksham Santosh, PATIL, Tushar Babasaheb, WATTAMWAR, Aditya Ajit
54: A WEARABLE ID CARD WITH REAL-TIME GESTURE RECOGNITION AND AUDIO FEEDBACK
00: -
The present invention relates to a wearable ID card with real-time gesture recognition and audio feedback. It features a high-resolution camera to capture the movements, a microprocessor to analyze the motions, a machine learning model to detect them, and a speaker to provide audio out-put. A memory card module for storing audio or other media file is included in the model. Re-chargeable batteries power it. Those who struggle with speech can communicate effectively without the assistance of a translator.

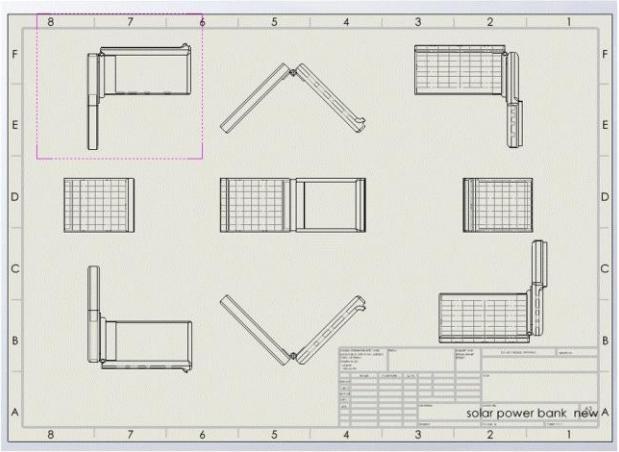


21: 2025/01939. 22: 2025/03/04. 43: 2025/10/07
51: G08B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: TIWASKAR, Shweta, MAHAJAN, Rupali, CHAVAN, Rohini, BHIMANPALLEWAR, Ratnmala, KARNIK, Madhuri, PALIKUNDWAR, Shravan Mahesh, DESHMUKH, Shraddha Bhivraj, PATIL, Rasika Sunil, POKALE, Rohan Devanand
54: AN AUTOMATED ANIMAL DETECTION FOR CROP PROTECTION SYSTEM
00: -
The present invention relates to an automated animal detection for crop protection system. The proposed system is an automated animal detection and crop protection system designed to protect the fields from animal incursions. Using a 360 degree angle camera, the system detects animals near the crops. Upon detection, it immediately sends an alert with an image to the farmer's smartphone, activates long-range water sprinklers to repel the animals, and emits sound from speakers to further prevent them, ensuring the crops are protected effectively.



21: 2025/01940. 22: 2025/03/04. 43: 2025/10/07
51: H02J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RATHOD, Praveen, DHUMAL, Amol, PANDIT, Deepti, MALAVADE, Geet Vishal, SHINDE, Pranav Ashok, PAWAR, Sangram Uttam, CHINCHOLKAR, Manasvi Ashok, CHORMALE, Aboli Suryakant, GAIKWAD, Ritesh Sambhaji
54: A PORTABLE SOLAR POWER BANK WITH MOBILE STAND FOR CHARGING MOBILE DEVICES AND ACCESSORIES
00: -
The present invention relates to a portable solar power bank with mobile stand for charging mobile

devices and accessories. The proposed invention discloses a practical and versatile solar pow-er bank designed for efficient and sustainable energy use. It features a compact, portable design with a foldable solar panel for optimal energy capture and easy transport. The power bank utilizes a lithium-ion battery charged by the solar panel, with a TP4056 module ensuring safe and effective charging. A DC-to-DC converter provides a stable 6-12V and 1.5-3A output, suitable for various USB-powered devices. Additionally, the design includes a built-in mobile stand for add-ed convenience. Ideal for both personal and industrial applications, this power bank offers a reli-able and cost-effective alternative for maintaining power availability during outages and while travelling, combining robust construction with advanced electronics for dependable performance.

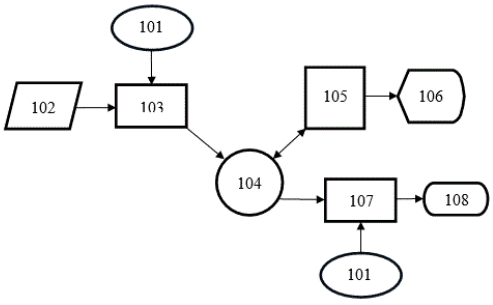


21: 2025/01941. 22: 2025/03/04. 43: 2025/10/07
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BAHIR, Prathmesh Namdeo, SONAWANE, Atharva, HABBU, Shraddha K., CHITRE, Abhijit, GHULE, Gauri, RAUT, Ketan J., DESHMUKH, Minal S.

54: A SYSTEM FOR READING ANALOG METER GAUGES AND ACTIVATING ALERTS UPON EXCEEDING PREDEFINED LIMITS USING COMPUTER VISION TECHNIQUES

00: -

The present invention relates to a system for reading analog meter gauges and activating alerts upon exceeding predefined limits using computer vision techniques. The proposed invention dis-closes an innovative system designed to convert analog data into digital form, eliminating the need for auxiliary transducers or digital sensors typically attached to analog apparatus. The system utilizes an ESP32 CAM module equipped with an OV5640AF auto-focus camera lens to capture high-resolution images of analog meter gauges. By leveraging image processing techniques through OpenCV and Python, the system extracts accurate readings from analog displays in real time. The extracted data is converted into a digital format, which can be wirelessly trans-mitted to a computing device, such as a laptop, for further analysis. A key advancement in this invention is its adaptability, enabling it to trigger various actions using actuators or relays. Be-yond simply activating a buzzer, it can handle complex tasks, such as adjusting equipment set-tings or activating safety mechanisms, based on the application. Applications for this invention span across multiple industries, including real-time monitoring of industrial equipment, energy and utilities management, process automation in manufacturing, smart buildings, and remote infrastructure management. Its flexibility allows seamless integration into existing analog systems with minimal modifications, making it an ideal solution for modernizing legacy equipment and supporting Industry 4.0 transformation. Additionally, the invention supports remote calibration, allowing operators to perform maintenance tasks from a central location, reducing the need for on-site visits and minimizing downtime. By automating data acquisition and response actions, the system ensures accurate real-time monitoring, demonstrating its potential as a versatile tool for improving operational efficiency, safety, and precision in industrial environments.



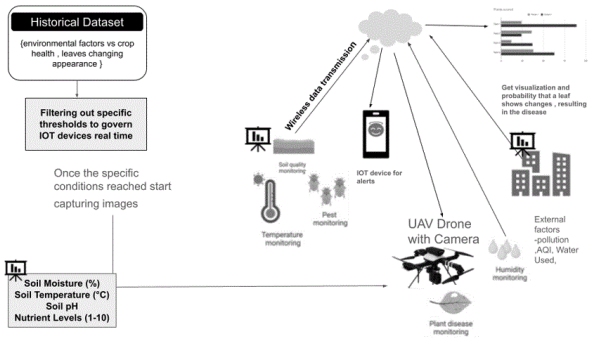
21: 2025/01942. 22: 2025/03/04. 43: 2025/10/07
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: HUDDAR, Nilaya Devdatta, GUPTA, Chirangi, AVHAD, Pawan, MAHALLE, Parikshit N., YADAV, Gitanjali B., PATIL, Ratna, SULE, Bipin, TAKALE, Datta, DONGRE, Ganesh

54: AN IOT BASED IDENTIFICATION OF FUNGAL DISEASE IN NUTMEG LEAVES USING A MACHINE LEARNING APPROACH

00: -

The present invention relates to an IoT based identification of fungal disease in nutmeg leaves using a machine learning approach. Further, the system integrates environmental sensors with a machine learning model trained on historical data to predict the likelihood of fungal outbreaks. Environmental conditions such as temperature, humidity, and leaf moisture are monitored in real time, and the collected data is analyzed to detect patterns conducive to fungal growth. The system provides alerts and actionable recommendations to farmers, enabling timely intervention to prevent crop loss.

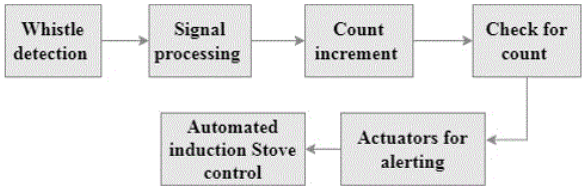


21: 2025/01943. 22: 2025/03/04. 43: 2025/10/07
51: A47J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MANIKJADE, Akshay Ashok, RATHOD, Praveen Pomu, WANKHEDE, Disha Sushant, GAIKWAD, Vidya Shrimant, MISHRA, Vaishali, KARNIK, Madhuri Prashant, JIVAN, Rahade Nikita, CHAUDHARI, Lajari Manoj, KUMBHAR, Shlok Dinesh

54: A PRESSURE COOKER WHISTLES COUNTING AND REGULATING THE INDUCTION STOVE DEVICE

00: -

The present invention relates to a pressure cooker whistles counting and regulating the induction stove device. Further, the present invention discloses atomization of the pressure cooker cooking process by use of a whistle detection system with automated induction control. It counts the number of whistles that are produced by the cooker and increases or decreases the heat applied in order to ensure the cooking is perfect—while reducing much of the manual intervention and making it safer. The app will even alert you from anywhere in the house once the cooking is done, making pressure cooking a lot easier and more efficient when you're working with an induction cooktop.



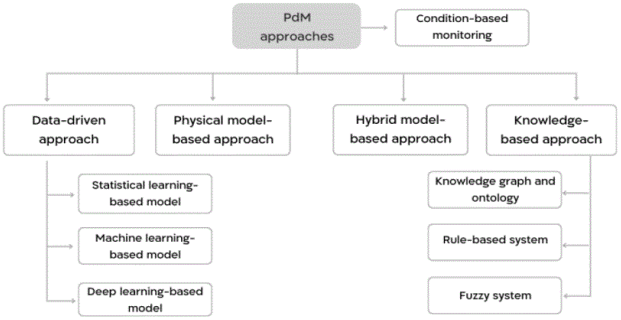
21: 2025/01944. 22: 2025/03/04. 43: 2025/10/07
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KOKATE, Kshitij Sanjay, SABALE, Pritam Shashikant, PAWAR, Priyanshi Ramesh, SHEDGE, Yash Pravin, PAWAR, Aditya Manish, MAHALLE, Parikshit, YADAV, Gitanjali Bhimrao, SHINDE, Swapnil K., SULE, Bipin, TAKALE, Datta, DONGRE, Ganesh

54: AN IOT-BASED PREDICTIVE MAINTENANCE SYSTEM FOR PROACTIVE EQUIPMENT MANAGEMENT IN HEALTHCARE

00: -

The present invention relates to an IOT-based predictive maintenance system for proactive equipment management in healthcare. Intensive care units commonly utilize mechanical ventilators to treat patients with different medical conditions, which are crucial for patient care and survival. ICU ventilators have evolved through four distinct generations, each displaying unique features. Despite progress made since the 1940s, contemporary designs are insufficient to meet the increasing needs of patients and hospitals. Malfunctions in mechanical ventilators pose significant dangers to patients, highlighting the importance of focusing on their safety, security, precision, and dependability. The present invention aims to address the significant issue at hand. Furthermore, the IoT industry has garnered significant attention because of rapid progress in smart devices, sensors, and actuators. The

healthcare industry has seen a notable increase in health data as a result of the growing utilization of IoT and cloud computing technologies.

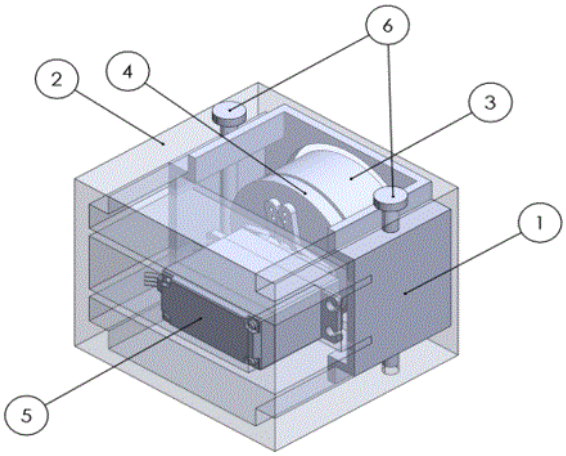


21: 2025/01945. 22: 2025/03/04. 43: 2025/10/07
51: F24C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: THAWARE, Shailesh J., DESHPANDE, Leena A., KULKARNI, Atul P., SATHE, Abhirav Arun, KULKARNI, Venkatesh Krishnakant, GHODE, Saurabh Dadasaheb

54: AN AUTOMATED GAS STOVE KNOB ATTACHMENT FOR REMOTE AND ACCESSIBLE CONTROL

00: -

The present invention relates to an automated gas stove knob attachment for remote and accessible control. It enhances accessibility, safety, and convenience by enabling remote and precise control of the gas flame. Designed for individuals with physical impairments, the elderly, and remote users, the system integrates a mechanical male-female component assembly driven by a servo motor, which facilitates both linear and rotary motion for flame adjustment. The attachment is con-trolled via a mobile app, with commands processed by an ESP32 microcontroller to regulate the servo motor's operation. The outer casing, mounted on guide rails, allows for smooth movement, while manual control is ensured by sliding the casing to expose the traditional knob. Additional features include gas on/off control, flame intensity adjustment, and a timer function for automatic shutoff, providing a cost-effective, modern solution for smart and accessible gas stove operation.



21: 2025/01953. 22: 2025/03/04. 43: 2025/09/08
51: A61K; C07K; A61P
71: STAIDSON BIOPHARMA INC.
72: ZHAI, Wenwu
33: US 31: 63/370,605 32: 2022-08-05
33: US 31: 63/370,606 32: 2022-08-05
33: US 31: 63/370,607 32: 2022-08-05
33: US 31: 63/477,993 32: 2022-12-30

54: MASKING POLYPEPTIDE, ACTIVATABLE NOVEL PRODRUGS AND METHODS OF USE THEREOF

00: -

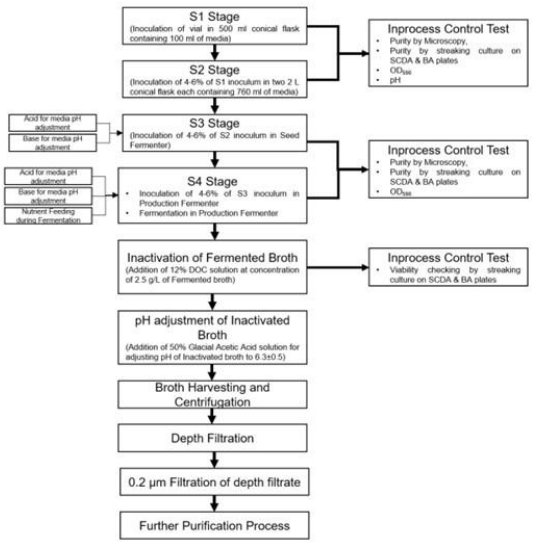
The present application provides masking polypeptides (MP), cleavable moiety (CM), and activatable prodrugs comprising the masking polypeptides, cleavable moiety. The isolated nucleic acid molecules encoding the masking polypeptides, the cleavable moiety, or the activatable prodrugs; vectors comprising the nucleic acid molecules; host cells containing the nucleic acid molecules or vectors; pharmaceutical compositions containing the activatable prodrugs, the isolated nucleic acids molecules, the vectors, or the host cells. And methods of producing and using the prodrugs or pharmaceutical compositions.

21: 2025/01967. 22: 2025/03/05. 43: 2025/09/08
51: A61K
71: SERUM INSTITUTE OF INDIA PRIVATE LIMITED
72: JANA, Swapan Kumar, MAHAJAN, Amol Dattatraya, PATIL, Sudarshan Namdev, KESARKAR, Shrikant Mahadev, GHOLAP, Makarand Madhukar, DHERE, Rajeev Mhalasakant
33: IN 31: 202521003423 32: 2025-01-15

54: BLOOD AND ANIMAL COMPONENT-FREE MEDIA AND A FERMENTATION METHOD FOR PRODUCING BACTERIAL POLYSACCHARIDES THEREFROM

00: -

The present disclosure relates to a cost efficient, robust culture media, blood and animal component-free, comprising a carbon source, a nitrogen source, a yeast extract, a phosphate source, salts and microelements, for producing bacterial polysaccharides. The media components provide a synergistic effect which when aligned with pH and OD dependent feeding strategy enhances cell growth in minimum time period, reduces downstream processing challenges, ensures reliable and large-scale production of polysaccharide, providing high yields and low impurities to achieve controlled polysaccharide molecular size and optimal CPS side chain preservation. The invention further discloses a method of growing, fermenting, inactivating bacterial polysaccharide to obtain high yield of purified bacterial polysaccharide. The invention further discloses use of purified bacterial polysaccharide in monovalent or multivalent Streptococcus pneumoniae polysaccharide-protein conjugate vaccine compositions for prevention and/or treatment of subjects with Streptococcus pneumoniae.

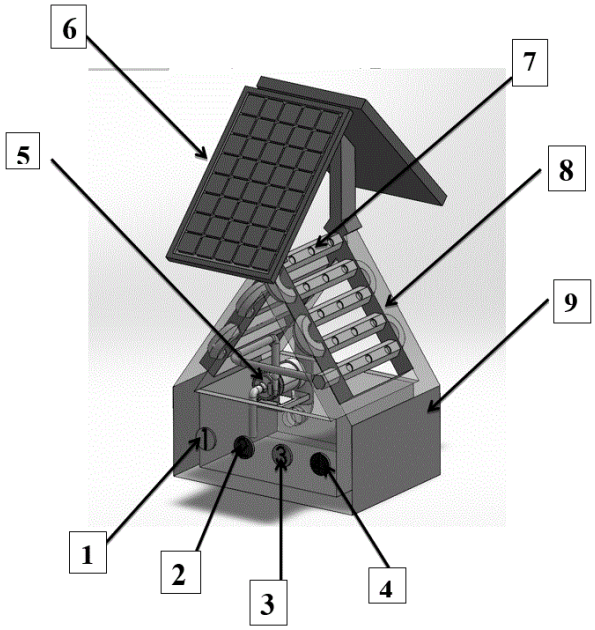


21: 2025/01977. 22: 2025/03/05. 43: 2025/10/07
51: A01G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SOMATKAR, Avinash Abhiman, HANDE, Harshal Umesh, SHAH, Rishi Ajay, CHAVAN, Gajanan H., WAWAGE, Pawan S., CHINCHANIKAR, Satish S., ANERAO, Prashant R., DESHPANDE, Abhijeet R., RAMTHITIKAR, Chandrashekhar R., KURULEKAR, Mahesh S., JAGDALE, Manoj Narsing, PATIL, Vaishali Arun

54: A SOILLESS FARMING SYSTEM

00: -

The present invention relates to a soilless farming system. As the global population grows and more land is used for cities and industries, traditional farming is facing major challenges. In 1960, each person had about 0.5 hectares of land available for farming, but now, with a population of 6 billion, that has shrunk to just 0.25 hectares. By 2050, it could drop even further to 0.16 hectares per person. This reduction in available farmland is due to several factors, including urbanization, industrialization, and the effects of global warming, like melting icebergs. Additionally, the soil in many areas is losing its fertility, meaning that even with more fertilizers, crop yields aren't in-creasing. Other issues, such as droughts, unpredictable weather, polluted rivers, poor water management, and declining groundwater levels, are making it harder to produce enough food through traditional farming methods. Given these challenges, it may soon be impossible to feed everyone using conventional soil-based agriculture alone. As a result, soil-less farming, where plants are grown without soil, is becoming increasingly important. This method, which uses less space and water, has shown promise in addressing some of these challenges and could be a key part of future food production.

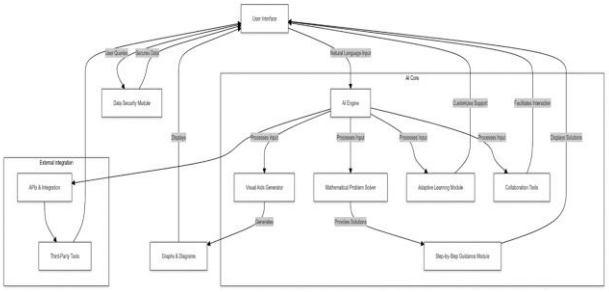


21: 2025/01978. 22: 2025/03/05. 43: 2025/10/07
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DABHADE, Vivek Bhaushab, SHELKE, Ajinkya, WANKHADE, Shalini Vaibhav, MAHALLE, Parikshit Narendra, SHIMPI, Abhinav Nandkishor, YELEKAR, Vansh Pravin

54: AN AI AND ML DRIVEN HANDWRITING AND GESTURE INTERFACE

00: -

The present invention relates to an AI and ML driven handwriting and gesture interface. The invention is a sophisticated Mathematical AI platform based on GPT-4 technology, designed to change the way users interact with mathematical problems and concepts. Going beyond the limitations of traditional computational tools, this platform allows users to input their mathematical queries in natural language, making solutions intuitive and accessible. In addition to providing precise solutions, the AI offers fully explained, step-by-step solutions with supporting visual aids such as graphs and diagrams. Features include immediate feedback and constructive suggestions, gamification of learning pro-cesses, and adaptive algorithms that provide customized support based on user interactions. The platform supports several languages and integrates with existing educational and professional tools using robust APIs for broad applicability and ease of integration. It also specializes in securing user information, ensuring data protection, and adapting to new trends and emergent needs based on user interactions. Collaboration features within the application further enable users to work with others, share insights in real time, and foster a more community-oriented approach to problem-solving. This invention meets the urgent need for a more interactive, efficient, and com-prehensive approach to problem-solving and education in mathematics.



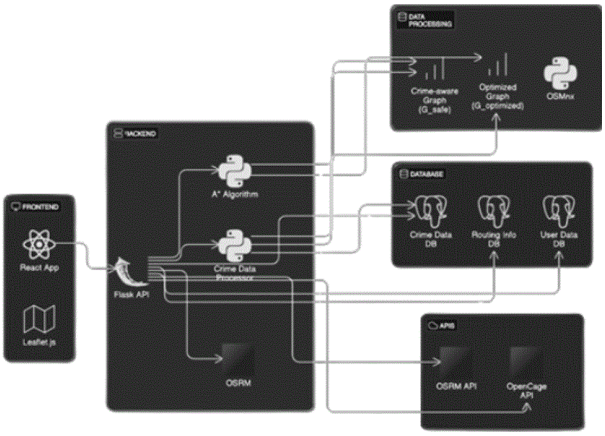
21: 2025/01979. 22: 2025/03/05. 43: 2025/10/07
51: G01C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: INGOLE, Shrey, YERAWAD, Shailesh, GODKAR, Soham, WAKLEKAR, Pranav, DEDGAONKAR, Suruchi, FUTANE, Pravin, KODMELWAR, Manohar

54: A SMART NAVIGATION SYSTEM

00: -

The present invention relates to a smart navigation system. Considering increasing criminal activities, everyone must be concerned about individual safety. It has been seen that criminal activities near criminal hot spots happen frequently. Road safety is of paramount significance, as people frequently need to travel often through unfamiliar areas via various modes of transport, such as walking, public transport, private vehicles, auto-rickshaws, or cabs. It is observed that this inci-dent occurs more often when victims are likely to be individuals. Its aims to enhance the safety of people. It analyzed criminal records that happened recently and aims to take individual feed-back regarding certain incidents in a particular area. This System is intended to take geographical locations as input, to identify the safest route between a given source and destination at a particular time. The system uses an optimized A* algorithm to determine an optimized route considering crime rate severity and proximity. Open-

Source Routing Machine (OSRM) to handle real-time mapping and routing data. OSRM provides efficient and accurate routing, allowing the system to dynamically calculate the shortest and safest routes based on real-world road networks.

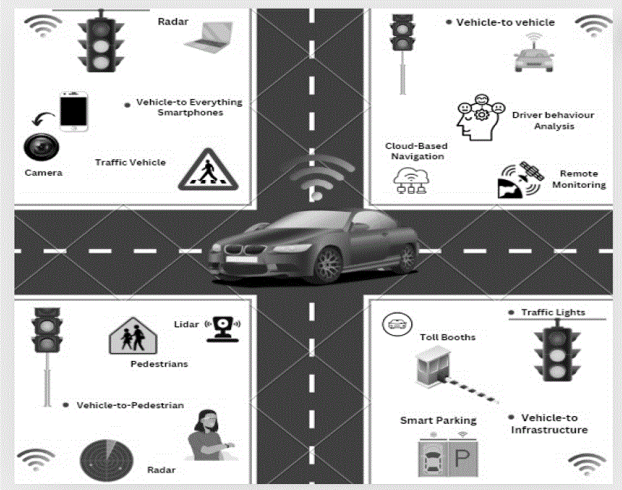


21: 2025/01980. 22: 2025/03/05. 43: 2025/10/07
51: H04W
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAUDHARI, Prasad, CHAVHAN, Pranali G., MAHALLE, Parikshit N., NAIK, Pratiksha, RAHATE, Sneha, SHINDE, Sakshi, VARADE, Isha, VIBHUTE, Akshata, CHAVHAN, Gajanan H., MATHURKAR, Piyush, WANKHEDE, Disha Sushant, MEHTA, Pradnya S.

54: A VEHICLE-TO-EVERYTHING (V2X) COMMUNICATION SYSTEM FOR ENHANCED ROAD SAFETY

00: -

The present invention relates to a vehicle-to-everything (V2X) communication system for enhanced road safety. Vehicle-to-Everything (V2X) communication systems facilitate smooth real-time information transmission between vehicles, associations, infrastructure, and pedestrians, thereby offering an unconventional approach to road safety. V2X structures enable automobiles to communicate essential details such as location, speed, and road conditions by utilizing technologies like Cellular V2X (C-V2X) and Dedicated Short-Range Communication (DSRC). This leads to predictive security functions like optimised traffic flow, brake emergencies, and accident prevention. By permitting collaborative knowledge and making decisions among everybody on the road, these types of systems go beyond conventional sensor-based safety, enhancing safety even in difficult driving circumstances. The networks of transportation are going to become safer and more effective because to V2X's seamless connection between cars, infrastructure, people to walk, and other devices. Chain accidents are greatly decreased and overall road safety has im-proved through this technology, which allows connected automobiles to react immediately to the behaviours of nearby traffic. V2X is further enhanced by the incorporation of cutting-edge technologies like 5G, edge computing, and artificial intelligence, which lower latency and allow for quick, context-aware reactions to possible threats. V2X guarantees dependable and interoperable communication between various vehicles and infrastructure through standardised protocols and strong security mechanisms. Consequently, V2X is essential to the advancement of intelligent transportation systems, driverless cars, and smart cities, which all contribute to the creation of safer and more effective road networks.



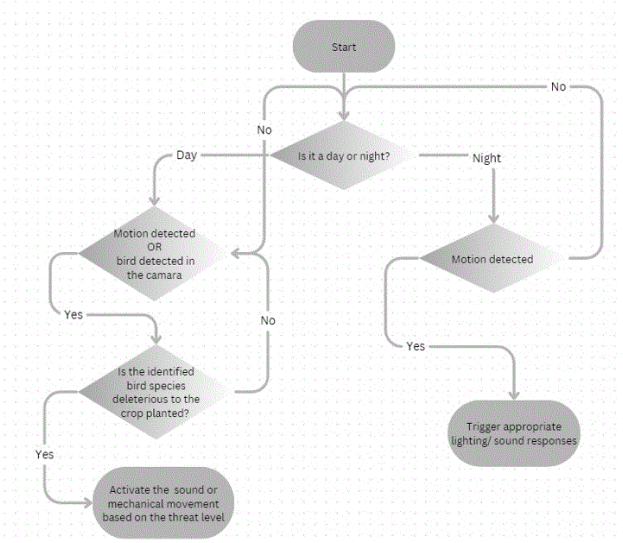
21: 2025/01981. 22: 2025/03/05. 43: 2025/10/07
51: A01M
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MORE, Priyanka Dhananjay, BHAND, Aarohi, BHAND, Rahi, SAKHARE, Sachin Rambhau, KOLEKAR, Vikas Kanifnath

54: AN INTELLIGENT SCARECROW SYSTEM POWERED BY DEEP LEARNING

00: -

The present invention relates to an intelligent scarecrow system powered by deep learning. The system utilizes a plant breed detection model on a Raspberry Pi to identify rice cultivation areas and a

deep learning-based bird species identification model to classify birds as beneficial or harmful. A high-resolution camera captures images, which are analyzed to determine the appropriate response. If a harmful species is detected, deterrent mechanisms, including visual, auditory, and mechanical responses, are activated with randomized variations to prevent habituation. Nocturnal threats are managed using PIR motion sensors triggering LED lights. The system operates on solar power for sustainability and employs TensorFlow Lite models for real-time processing, ensuring minimal latency. This adaptive and non-invasive solution enhances agricultural productivity while promoting biodiversity.

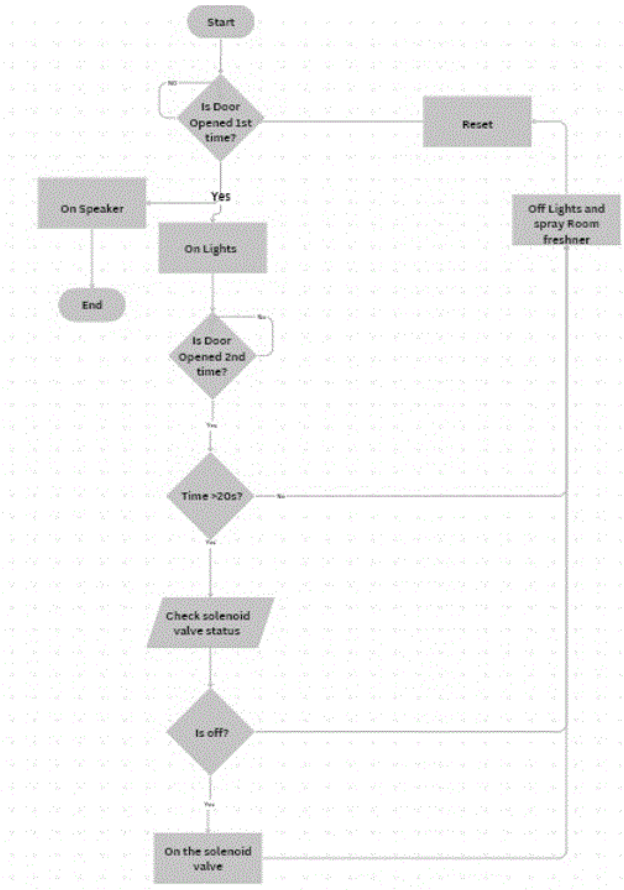


21: 2025/01982. 22: 2025/03/05. 43: 2025/10/07
51: E03D
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESHPANDE, Leena A., THAWARE, Shailesh J., KHOND, Vedant Santosh, BOTHE, Utkarsh Dinkar, DHOOT, Mithilesh Pawankumar, MENGANE, Kartik Anand, CHAUDHARI, Vaishnavi Sanjay, DEVKAR, Sairaj Shahaji

54: A SENSOR-BASED AUTOMATED FLUSH AND FRAGRANCE DISPENSING SYSTEM FOR PUBLIC RESTROOMS

00: -

The present invention relates to a sensor-based automated flush and fragrance dispensing system for public restrooms. Further, the system utilizes motion and proximity sensors to detect user activity, automatically flushing the toilet after use and spraying fragrance to maintain a clean and odor-free environment. It operates with low energy consumption and is modular for easy maintenance. The system is ideal for high-traffic environments such as public transport hubs, ensuring hygiene and user comfort while reducing manual intervention.



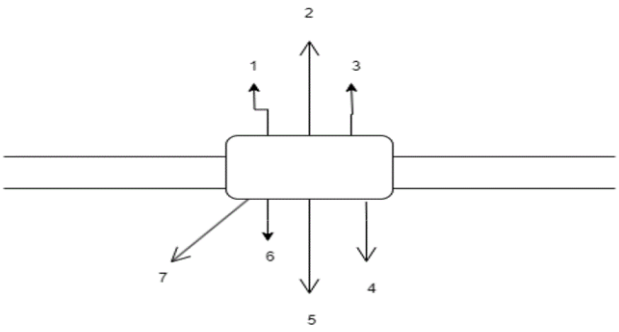
21: 2025/01983. 22: 2025/03/05. 43: 2025/10/07
51: A61J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANKHEDE, Disha Sushant, CHAVHAN, Pranali, MANIKJADE, Akshay Ashok, MISHRA, Vaishali, GAIKWAD, Vidya Shrimant, KARNIK, Madhuri Prashant, YADAV, Pratiksha, SHIKHARE, Mrunali, TILEKAR, Vaishnavi, KHUSPE, Sharvari

54: AN INTELLIGENT MEDICATION REMINDER BAND WITH INTEGRATED AI ASSISTANT

00: -

The present invention relates to an intelligent medication reminder band with integrated AI assistant. Further, the proposed system is an innovative wearable device designed to enhance medication adherence and promote health management among users. This advanced band

features a us-er-friendly interface that utilizes AI algorithms to personalize medication schedules, providing timely reminders through vibration and visual notifications and AI Voice. The device is equipped with sensors to monitor users' health metrics, allowing it to adjust reminders based on individual routines and needs. The AI assistant can also engage in conversational interactions, offering educational insights about medications, potential side effects, and healthy habits. By integrating cloud connectivity, the band enables caregivers and healthcare professionals to track adherence in real-time, facilitating better communication and support. This invention not only empowers users to take control of their health but also bridges the gap between patients and healthcare providers, fostering a proactive approach to wellness.

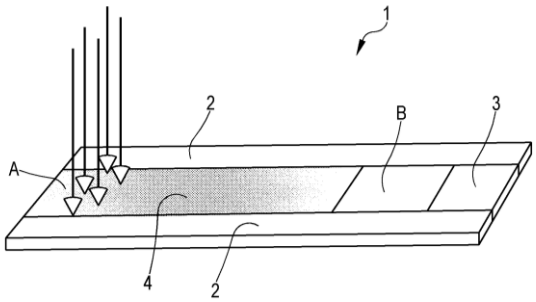


21: 2025/02006. 22: 2025/03/05. 43: 2025/09/10
51: H02S
71: Cosmo TURANO, Elis MANTOVANI
72: Cosmo TURANO, Elis MANTOVANI

54: DEVICE FOR THE RAPID TRANSFER OF THERMAL ENERGY, METHOD FOR THE REALIZATION OF THE SAID DEVICE AND SYSTEM FOR THE PRODUCTION OF ZERO-EMISSIONS ELECTRICITY FROM OTHER RENEWABLE SOURCES INTEGRATED WITH THE SAID DEVICE

00: -

The device (1) for rapidly transferring thermal energy from a thermal energy source (A) and capturing point or surface of said thermal energy to an arrival point (B) at a speed higher than the convective and conductive capacity of the adjacent means 2, allows the thermal energy to be converted into electrical energy with zero emissions harmful to the environment and to living beings, by means of thermoelectric conversion means 3 positioned at the arrival point B. The thermal energy is transferred by means of a coating 4 constituted by a plurality of nanometric layers with atoms which form ordered geometric structures (Fig.1). The invention also relates to a device for the transfer of thermal energy having a plurality of layers of carbonaceous material on a planar or non-planar (three-dimensional shape) opaque or transparent or translucent rigid or semi-rigid substrate of metallic or non-metallic or flexible material of fabric with natural or synthetic fibers or flexible but not opaque or transparent or translucent. The present invention also comprises a method of producing a device for the rapid transfer of thermal energy (10 or 10a). The said method comprising a deposition step of at least one layer (12,12a-12b-12c-12d, etc.) of carbonaceous material with an ordered geometric structure on a support substrate (11 or 11a) in an environment (110) of a machine of deposition (100), said environment being high vacuum and isolated from the external environment under controlled temperature and pressure conditions, said deposition taking place along an orthogonal or locally radial direction to a plane or shape substantially identified by said support substrate (11 or 11a). The invention also concerns an integrated system for the production of electrical energy using said device coupled to a thermoelectric generator and other possible generators from renewable sources of the type: photovoltaic and/or photovoltaic with thermoelectric and/or kinetic, all used jointly for the supply of electrical loads (Figures 2, 3, 4, 5, 6).

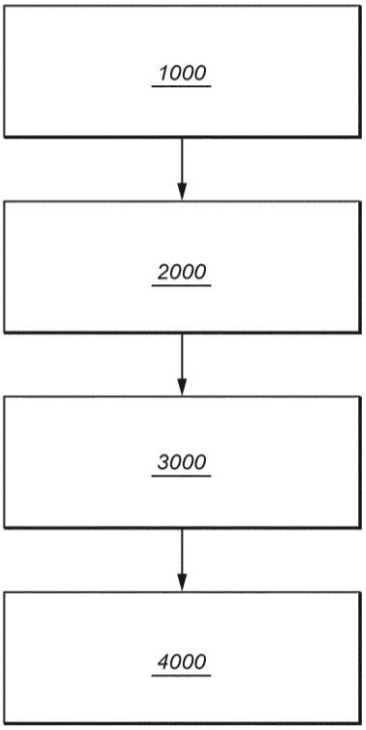


21: 2025/02012. 22: 2025/03/05. 43: 2025/09/10
51: A01B; A01C; G01N; G06Q; G06V
71: YARA INTERNATIONAL ASA
72: REUSCH, Stefan
33: EP 31: 22196661.7 32: 2022-09-20

54: A METHOD AND SYSTEM FOR REMOTE CHLOROPHYLL DETECTION AND DETERMINATION OF MEASUREMENT REGIONS FOR CHLOROPHYLL DIRECT MEASUREMENT

00: -

System and method for remotely determining a chlorophyll concentration in crops present in agricultural fields, wherein a chlorophyll related vegetation index is combined with a water related vegetation index to determine a chlorophyll concentration. Further embodiments for the combination of remote and local sensing are included as well as the determination of measurement regions for that goal are disclosed.



21: 2025/02033. 22: 2025/03/06. 43: 2025/09/10

51: A61K; A61P

71: BEIJING YOUCAREKECHUANG PHARMACEUTICAL TECHNOLOGY CO., LTD.

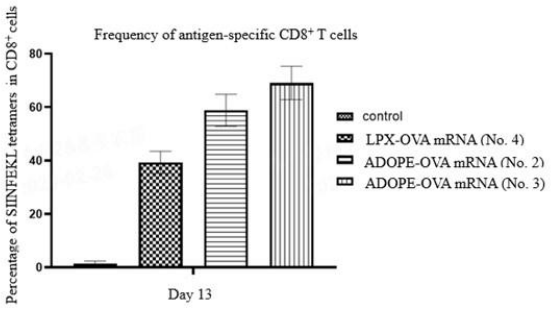
72: SONG, Gengshen, ZHANG, Honglei, ZHOU, Yuting, JIN, Lijie, ZHANG, Jinyu, DONG, Kai, WANG, Huanyu, YU, Xiaowen

33: CN 31: 2024104208623 32: 2024-04-09

54: LIPID COMPOSITION TARGETING ANTIGEN-PRESENTING CELLS AND USE THEREOF

00: -

The present disclosure relates to the technical field of molecular biology and provides a lipid composition targeting antigen-presenting cells and a use thereof. The composition provided by the present disclosure demonstrates good organ and cell targeting specificity, significantly enhancing the protein expression level of antigens in the spleen. Additionally, the composition significantly increases the percentage of cells that express the antigen among antigen-presenting cells (e.g., B cells, pDC cells, cDC cells, and macrophages) in the spleen, indicating that the composition can be used in the immunotherapy of diseases.



21: 2025/02035. 22: 2025/03/06. 43: 2025/09/18

51: A61K

71: Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences

72: XU Jing, LI Li, WANG Lan, LIANG Rixin, LIU Taotao, YU Miao, AO Xuan, ZUO Jingyu

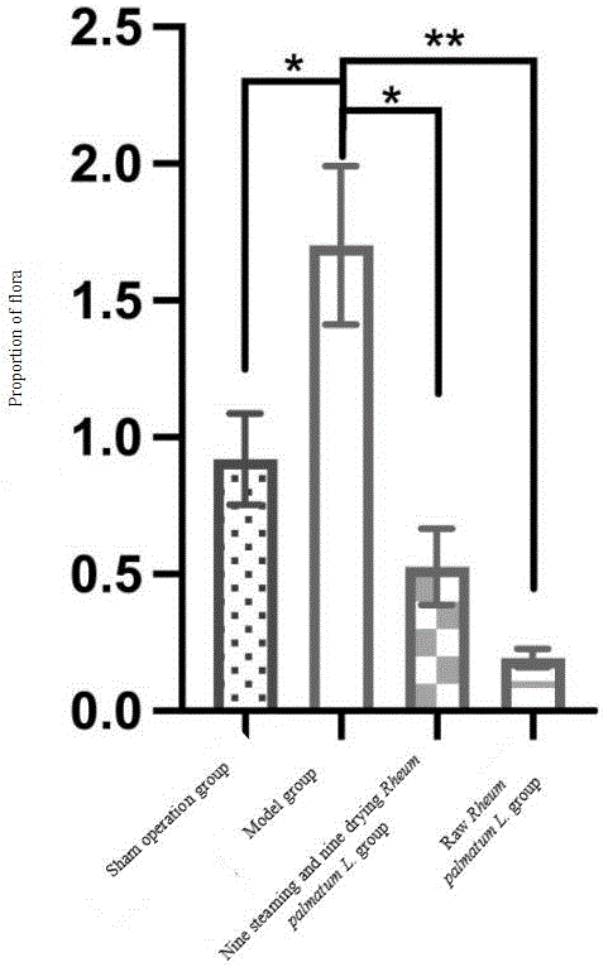
33: CN 31: 2024106929867 32: 2024-05-31

54: APPLICATION OF NINE STEAMING NINE DRYING RHEUM PALMATUM L. IN PREPARING MEDICINE FOR TREATING ACUTE CEREBRAL ISCHEMIA INJURY

00: -

The invention provides an application of nine steaming nine drying Rheum palmatum L. in preparing a medicine for treating acute cerebral ischemia injury, and relates to the technical field of medicine. The nine steaming and nine drying Rheum palmatum L. is prepared by the following steps: (1) taking raw Rheum palmatum L. pieces, adding yellow wine, uniformly mixing, and moistening until the wine is exhausted; (2) steaming, i.e. taking out and airing until the water content is lower than 13 percent, which is regarded as one steaming and one airing; and (3) repeating the above operation and repeatedly steaming for 9 times to obtain the product. According to an animal model of acute cerebral ischemia, it is found that nine-steaming and nine-drying Rheum palmatum L. may improve the flora abundance of bifidobacteria, lactobacillus and Prevost bacteria, and treat acute cerebral ischemia;

at the same time, it is found that the flora with significant changes in cerebral ischemia is related to energy metabolism, and Rheum palmatum L. with nine steaming and nine drying may increase the activities of sodium and potassium ATPase and cyclooxygenase-1 and the expression levels of phosphofructokinase-1 and glucose transporter-4, and improve the brain energy metabolism disorder after ischemia.



21: 2025/02037. 22: 2025/03/06. 43: 2025/09/15
51: G06Q
71: YOYO SA SERVICES (PTY) LTD
72: DUCASSE, Bevan John
54: SYSTEM AND METHOD FOR AWARDING CUSTOMER LOYALTY BENEFITS
00: -
When a customer (10) presents a payment instrument (18) to a merchant (12) to effect payment for a transaction, a customer identifier is obtained from the payment instrument (18) and transaction data is generated and used to award the customer (10) a loyalty benefit on a customer database according to loyalty benefit rules on a merchant database, and a loyalty balance of the customer (10) is increased. When the payment instrument (18) is presented to a participating merchant (12), the customer loyalty balance is determined from the customer database and the customer (10) is prompted to redeem the loyalty benefit.

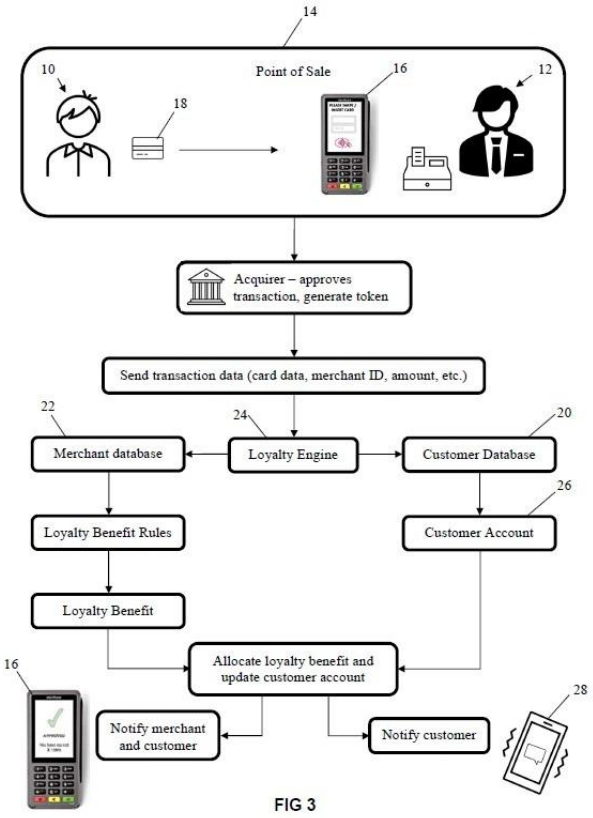
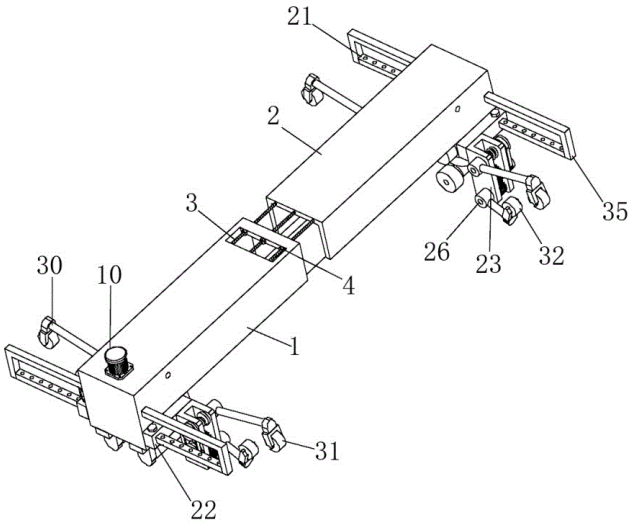


FIG 3

21: 2025/02039. 22: 2025/03/06. 43: 2025/09/15
51: B08B
71: Taicang Jinlin Technology Co., Ltd
72: Rachael Du, Hayden Du
33: CN 31: 2024110538353 32: 2024-08-02
54: PHOTOVOLTAIC CLEANING ROBOT
00: -
The present invention belongs to the technical field of photovoltaic cleaning, and discloses a photovoltaic cleaning robot, comprising a housing and a photovoltaic panel. The housing is composed of a first housing and a second housing. Side plates are fixedly connected to both the first housing and the second housing, the upper crossing wheel rotates to drive the lower crossing wheel to rotate in the opposite direction, and after the lower crossing

wheel moves to the next photovoltaic panel, the upper crossing wheel can be correspondingly driven to rotate in the opposite direction, so that the distance between the upper crossing wheel and the lower crossing wheel can be increased, and the device can be prevented from being stuck in the moving process, so that the device can span automatically and stably no matter whether the two adjacent photovoltaic plates are consistent in height or not, so that the number of human intervention can be greatly reduced, and the cleaning efficiency is improved.

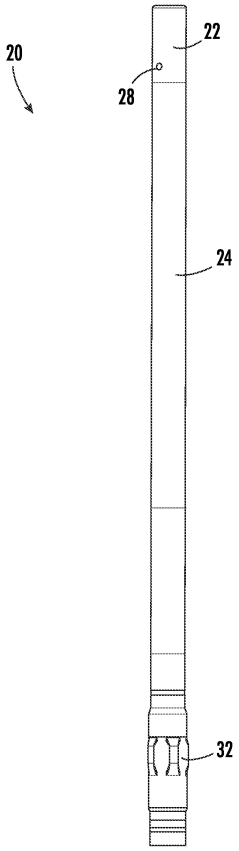


21: 2025/02056. 22: 2025/03/06. 43: 2025/09/15
51: B01D; B07B; E21B; F15D
71: WORKOVER SOLUTIONS, INC.
72: VON GYNZ-REKOWSKI, Gunther HH, REEVES, Mark Allen, KOENIG, Russell Wayne
33: US 31: 17/942,316 32: 2022-09-12

54: DRILLING SYSTEM WITH ANNULAR FLUSH SEPARATION DEVICE AND METHOD

00: -

A drilling system for use in drilling a wellbore including a driving mechanism and a separation device disposed upstream of the driving mechanism. The separation device filters at least a portion of any solids from drilling media flowing through a filter flow path of the separation device. The separation device flushes at least a portion of the filtered solids through a flush flow path, through a flush outlet on an outer surface of the separation device, and into an annulus between the outer surface of the separation device and the wellbore. Optionally, the drilling system includes a second driving mechanism and a second separation device disposed above the second driving mechanism.



21: 2025/02063. 22: 2025/03/07. 43: 2025/09/15
51: F24D; G05D
71: CRAFFORD, Ryno Adolf
72: DAVIS, John Mark
33: ZA 31: 2024/01352 32: 2024-02-14

54: DRAIN VALVE

00: -

A drain valve comprising a non-metal plastic valve body, an inlet-end and an outlet-end fast with the non-metal valve body, and a metal adapter rotatably fitted to the inlet-end or the outlet-end, the non-metal valve body may be a plastic non-metal valve body.

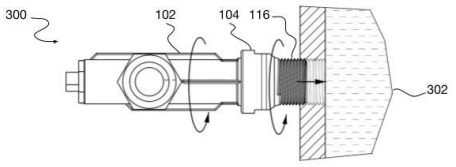


FIG. 3A

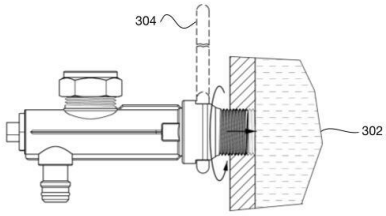


FIG. 3B

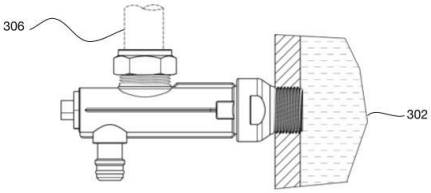


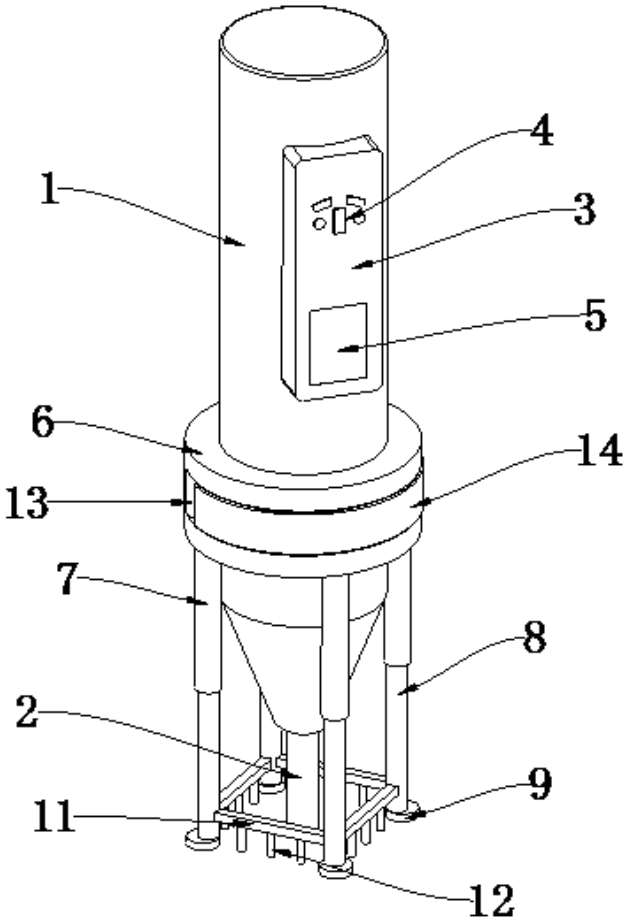
FIG. 3C

21: 2025/02065. 22: 2025/03/07. 43: 2025/09/16
51: G01N
71: JIAMUSI UNIVERSITY
72: CHEN, Depeng, CHEN, Deming, WANG, Junyan, BAI, Yanan, LI, Huaming, ZHANG, Caixia, LONG, Qiuying, LIU, Xiaodan, WANG, Jiawen, ZHUANG, Yu

54: MEASURING DEVICE FOR CONSTRUCTIONAL ENGINEERING QUALITY INSPECTION

00: -

Disclosed is a measuring device for constructional engineering quality inspection, including a rebound instrument body, a rebound rod is installed inside the rebound instrument body, a control box is fixed on the rebound instrument body, a control button is installed on the control box, a monitor is installed on the control box, and a support structure is installed on the rebound instrument body. When measuring the rebound of the wall, the support blocks at the ends of the four telescopic columns are aligned with the wall surface that needs to be measured. Then, when the rebound measurement is carried out, the rebound instrument body is pressed, and the telescopic column shrinks into the interior of the support column when the rebound rod shrinks. The support structure supports the rebound instrument body during the rebound measurement, which can reduce the position deviation caused by the force on the rebound rod.



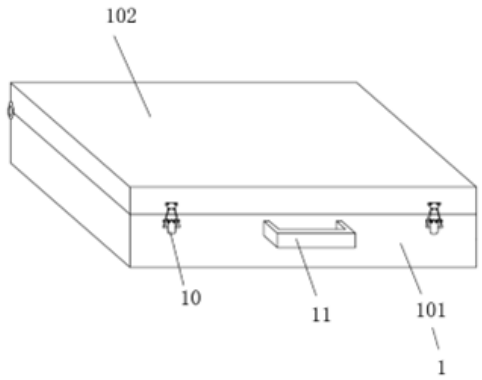
21: 2025/02067. 22: 2025/03/07. 43: 2025/09/16
51: G06F
71: ZHENGZHOU UNIVERSITY OF AERONAUTICS
72: LIU, Yanfang

54: PORTABLE ENGLISH LITERATURE TRANSLATION DEVICE

00: -

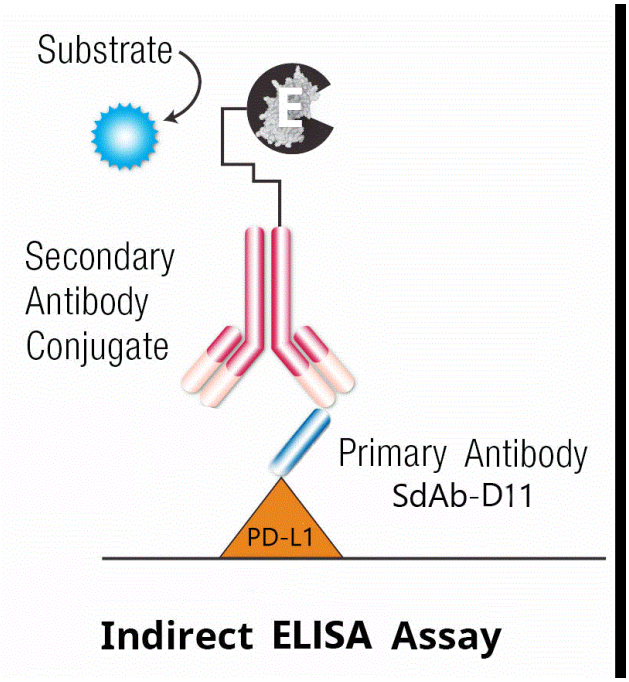
Disclosed is a portable English literature translation device, comprising a protective component having a shell of which the rear end is connected to a sealing cover through a movable shaft. The inner surface of the sealing cover is provided with a display screen, and the top of the shell is provided with a keyboard. By setting up protective components, the translator can be protected when carried. By setting up a display screen, the real-time translated content of the translator can be transmitted to the screen for easy viewing by users. By setting up a keyboard, users can easily modify the content of the translator's translation online, improving the

accuracy of translation. The translator can be clamped and fixed inside the housing when carried, increasing the stability of carrying, reducing the chance of collision, and making it easy to take and use the translator, improving the convenience of use.



21: 2025/02068. 22: 2025/03/07. 43: 2025/09/16
51: B01J
71: NEI MONGOL SHENGLONG DADI TECHNOLOGY CO., LTD
72: LI, Yuqiang
33: CN 31: 202410850432.5 32: 2024-06-28
54: SUPPORTED PRECIOUS METAL HYDROCRACKING CATALYST AND PREPARATION METHOD THEREFOR
00: -
Provided is a supported precious metal hydrocracking catalyst and a preparation method therefor, which belong to the technical field of catalysts. According to the present invention, an alumina/Y zeolite composite support is mixed with a precious metal salt solution, and then primary drying and primary calcination are sequentially carried out to obtain a precious metal/support composite; the precious metal/support composite is mixed with a magnesium salt solution, and then secondary drying and secondary calcination are sequentially carried out to obtain a magnesium modified precious metal/support composite; and reduction treatment is carried out on the magnesium modified precious metal/support composite to obtain the supported precious metal hydrocracking catalyst, where an atmosphere of the reduction treatment is a mixed gas consisting of hydrogen and hydrogen chloride.

21: 2025/02069. 22: 2025/03/07. 43: 2025/09/16
51: A61K; C07K; A61P
71: Henan University of Urban Construction
72: Li, Xinyang, Wang, Qingqing, Hong, Jun, GAO, Juntai, Guo, Zhihui, Huang, Xinyi, Feng, Longyan, Fan, Yuguo, Zhao, Tianxu
54: A SINGLE DOMAIN ANTIBODY TARGETING PROGRAMMED DEATH-LIGAND 1 FOR CANCER IMMUNOTHERAPY
00: -
A single-domain antibody specifically binding to programmed death-ligand 1 (PD-L1) and its application. The single-domain antibody of the present invention is derived from the variable region of the heavy-chain antibody of camelids, which consists of framework regions (FR regions) and complementarity-determining regions (CDR regions). It includes three CDR regions as shown in SEQ ID NO: 1 to SEQ ID NO: 3, and four FR regions as shown in SEQ ID NO: 6 to SEQ ID NO: 9. The single-domain antibody of the present invention has a good interaction with the recombinant PD-L1 protein, and can be used for the development of antibody drugs against the PD-L1 protein. It can also be used for detecting the level of PD-L1 in immunological samples.

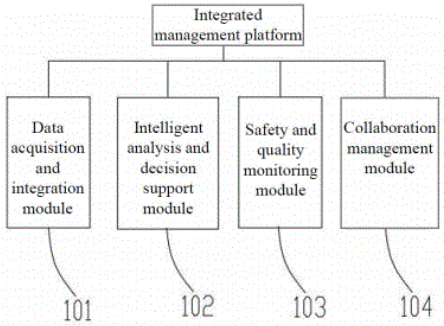


21: 2025/02070. 22: 2025/03/07. 43: 2025/09/16
51: G06Q
71: Jinggangshan University
72: OUYANG, Luxia, LIU, Lijun

54: INTELLIGENT CONSTRUCTION INTEGRATED MANAGEMENT PLATFORM

00: -

Disclosed is an intelligent construction integrated management platform, which relates to the technical field of construction management. The integrated management platform includes a data acquisition and integration module, an intelligent analysis and decision support module, a collaboration management module, and a safety and quality monitoring module. The intelligent analysis and decision support module is configured for performing in-depth mining and analysis on the integrated data by applying a method of combining big data analysis and artificial intelligence, predicting project completion time by building a construction progress prediction model and combining historical data and real-time progress data, comparing a scheduled progress to timely detect a progress deviation, providing an adjustment proposal, analyzing device operating data by using a machine learning algorithm, predicting a device failure occurrence probability, and arranging maintenance in advance to prevent construction from being influenced by an accidental failure of a device.

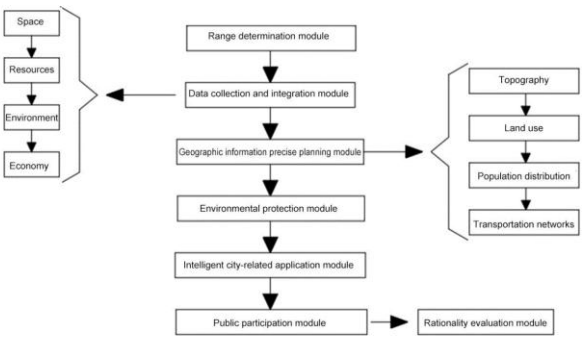


21: 2025/02071. 22: 2025/03/07. 43: 2025/09/16
51: G06Q
71: Henan University of Urban Construction
72: Han Yan, Zhang Caili, Xing Xiaona, Li Leilei, Song Ziying, Hou Shaoyang, Zhang Juanjuan, Li Shan

54: AN INTELLIGENT URBAN PLANNING SYSTEM AND METHOD BASED ON GEOGRAPHIC INFORMATION

00: -

The present invention provides an intelligent urban planning system and method based on geographic information, relating to the field of intelligent urban planning. The intelligent urban planning system based on geographic information includes a range determination module, a data collection and integration module, a geographic information precise planning module, an environmental protection module, an intelligent city-related application module, and a public participation module. The output end of the range determination module is electrically connected to the data collection and integration module. The data collection and integration module specifically includes spatial, resource, environmental, and economic aspects. The output end of the data collection and integration module is electrically connected to the geographic information precise planning module. Through the environmental protection module, it is necessary to simulate traffic flow and optimize the signal light allocation scheme. By using GIS technology, traffic congestion and emissions can be reduced, enabling rational planning layout, resource allocation, and traffic planning, thereby optimizing urban functions and spatial structure.



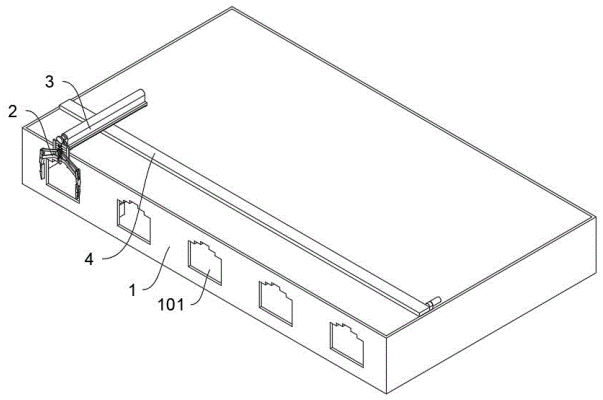
21: 2025/02072. 22: 2025/03/07. 43: 2025/09/16
51: H01R
71: Huainan Normal University
72: Guoren Yao, Jungui Ding
33: CN 31: 202510200670.6 32: 2025-02-21

54: A COMPUTER NETWORK ADAPTER

00: -

The invention discloses a computer network adapter, which relates to the field of a network adapter. The following scheme is presented, which comprises an adapter, the outer surface of the adapter is uniformly embedded and fixed with a plurality of ports, and also comprises: a probing probing head mechanism for unlocking the crystal head and clamping the crystal head; The driver module, the probing head mechanism is assembled on the end of the driver

module, and the driving probing head mechanism is used to drive the axial displacement and radial reversal; The servo sliding platform is fixed on the surface of the adapter, and the driver module is assembled on the output part of the servo sliding platform, and the servo sliding platform is used to drive the driver module with the probing head mechanism clamping crystal head to translate to any of the ports. By setting the head removal mechanism to work with the driver module, the crystal head can be quickly removed and reversed to avoid interference from other port crystal heads. In addition, the crystal head can be replaced and adjusted to any vacant port through the servo sliding platform.

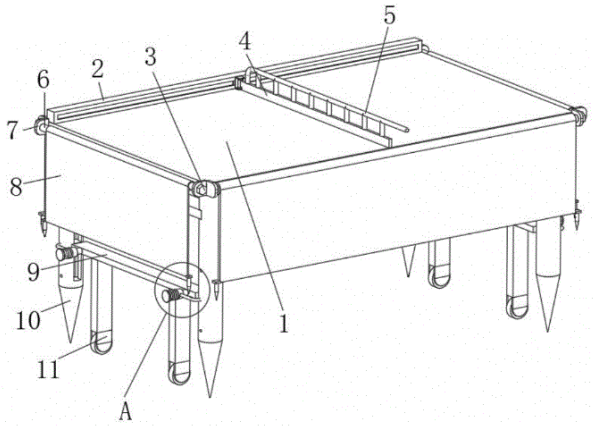


21: 2025/02073. 22: 2025/03/07. 43: 2025/09/16
51: A01G
71: Min jiang University
72: Zhao Guoyong, Fang Shimin

54: A SNOW REMOVAL DEVICE FOR PRAIRIE CLIMATE CHANGE RESEARCH

00: -

This invention provides a snow removal device for prairie climate change research, related to the field of prairie snow protection and ecological research technology. The snow removal device for prairie climate change research includes a transparent plate, with a first conical angle installed at each of the four corners of the lower end of the transparent plate. The sidewalls of the first conical angles are each equipped with a limiting groove, and a support frame is slidably connected between two adjacent first conical angles. The lower surfaces of the two support frames are each equipped with a universal wheel, and the sidewalls of the two support frames are symmetrically and fixedly connected with a second installation rod. Multiple activity blocks are slidably connected to the outside of each second installation rod, and each activity block's sidewall is fixedly connected to an insertion rod. One end of each insertion rod extends into the interior of the first conical angle. A crossbar is fixedly connected to the upper surface of the transparent plate, with a U-shaped block slidably connected to the sidewall of the crossbar. The sidewall of the U-shaped block is rotatably connected to a rotating member. With this structure, it is easier and more convenient to clear snow from the transparent plate, and the operation is simple.



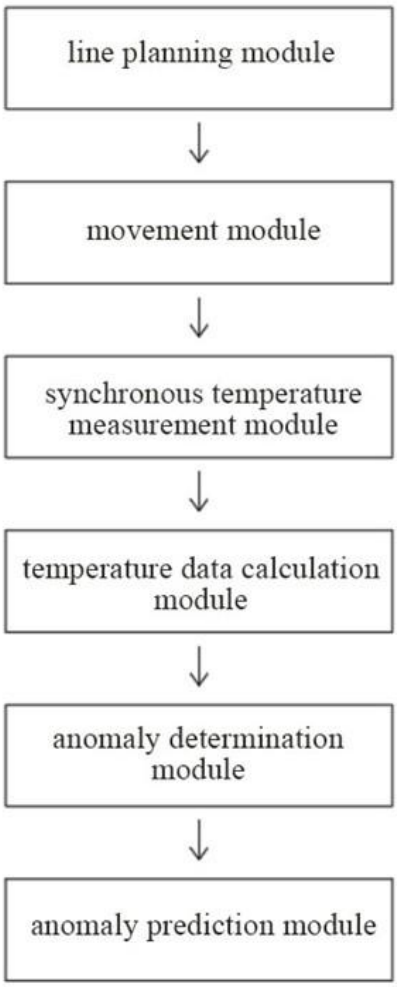
21: 2025/02077. 22: 2025/03/07. 43: 2025/09/16
51: G05B; G06N
71: HUAINAN NORMAL UNIVERSITY
72: ZHANG, Yan, WANG, Jin, BAI, Panpan, GUO, Haodong

54: DEEP LEARNING BASED TEMPERATURE ANOMALY WARNING SYSTEM FOR BARRIER ROBOTS

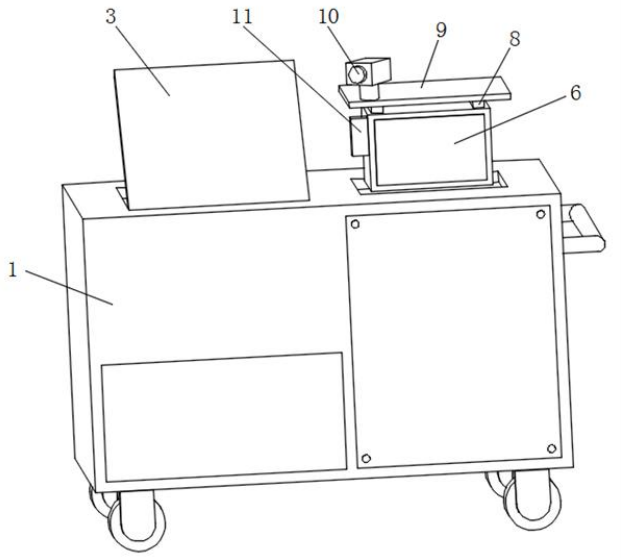
00: -

Disclosed is a deep learning based temperature anomaly warning system for barrier robots. The system consists of a line planning module, a movement module, a synchronous temperature measurement module, a temperature data calculation module, an anomaly determination module, and an anomaly prediction module. The invention records the power values of substation equipment in a normal environment using a P_"normal" array in the early stage, establishes benchmark data for normal states, and obtains real-time climate prediction data of the surrounding environment using a C array, including temperature changes, for comparison with the normal operating

power of the equipment during inspections. By calculating the predicted power values of the equipment under new climate conditions using the P_"predicted" generated by the model f and comparing them with the normal power values, it checks for deviations greater than 10%, achieving the effect of synchronously monitoring abnormal temperature environments around the substation during mobile inspections.

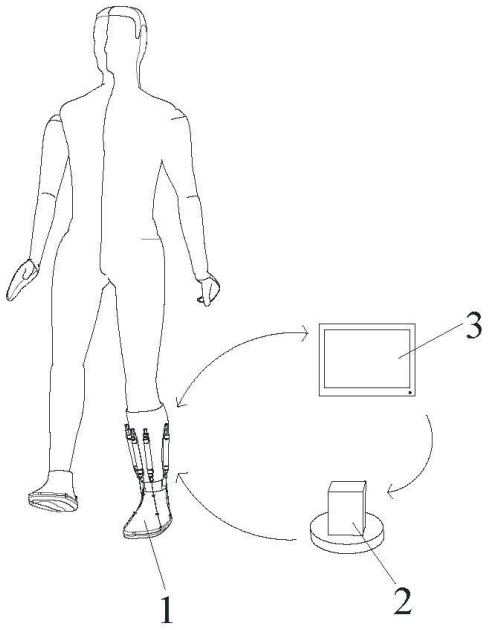


21: 2025/02083. 22: 2025/03/07. 43: 2025/09/17
51: G09B
71: SUZHOU UNIVERSITY
72: LI, Xiaoxuan, XIANG, Yang
54: INTERACTIVE ENGLISH ONLINE COURSE TEACHING PLATFORM
00: -
The present invention discloses an interactive English online course teaching platform, relating to the technical field of teaching platforms. It addresses the inconvenience of adjusting the screen angle and the challenges teachers face during operation. The platform includes a teaching station with a through groove on the top left side, where an operation screen is connected via a movable shaft. An adjusting mechanism is positioned on the left side of the inner cavity. The operation screen allows teachers to display English teaching content effectively. Additionally, an interactive display screen enables students to submit questions for real-time observation and response. The invention incorporates servo motors, threaded rods, threaded sleeves, bearing plates, and push rods to support and adjust the operation screen for multiple viewing angles. This enhances teaching efficiency and ease of use. After teaching, the screen can be stored and protected, ensuring durability and convenience in operation.



21: 2025/02085. 22: 2025/03/07. 43: 2025/09/17
51: A61H
71: TIANJIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: FANG, Delei, WANG, Jianwei, REN, Fangyuan, LI, Jian, WEN, Hao, SU, Baolong, SU, Yu, SUN, Jiahao, CAO, Xiuming, ZHAO, Chengfei, LI, Pan, ZHANG, Yan, ZHANG, Junxia
33: CN 31: 202411991289.8 32: 2024-12-31
54: PNEUMATIC DRIVEN BIOMIMETIC MULTI MUSCULAR EXOSKELETON SYSTEM AND CONTROL METHOD THEREOF
00: -
The present invention belongs to technical field of biomimetic exoskeleton, and specifically relates to a

pneumatic driven biomimetic multi muscular exoskeleton system and control method thereof. The exoskeleton system of the present invention comprises a biomimetic multi muscular exoskeleton worn on lower limb of human body, an air source configured to provide power to the biomimetic multi muscular exoskeleton, and a control system configured to control movement of the biomimetic multi muscular exoskeleton; wherein the biomimetic multi muscular exoskeleton comprises a calf wearing device configured to wear on human calf and a training boot configured to wear on human foot; six pneumatic muscles; and five anchor connectors. In the present invention, the six pneumatic muscles are provided on a periphery of the calf wearing device, the six pneumatic muscles conform to muscle group of the human body, which can not only provide assistance for single movements of plantarflexion, dorsiflexion, inversion, and eversion, but also provide assistance for coordinated movements of plantarflexion, dorsiflexion, inversion, and eversion, solving problems of low power to mass ratio, limited assistance movement, and poor movement flexibility in existing exoskeletons.

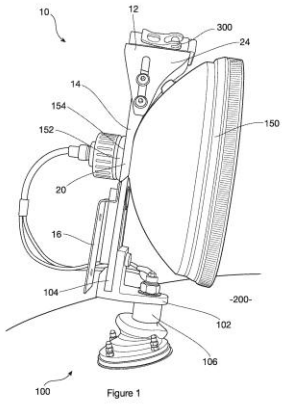


21: 2025/02092. 22: 2025/03/07. 43: 2025/09/17
51: B60Q; F21V; G03B; H04N
71: ASHLEY, Geoff Matthew
72: ASHLEY, Geoff Matthew
33: AU 31: 2022902240 32: 2022-08-09
33: AU 31: 2023200450 32: 2023-01-27

54: BRACKET MOUNT FOR THERMAL IMAGING DEVICE

00: -

A bracket mount for mounting a thermal imaging device to a spotlight mount to which a spotlight is mounted, the bracket mount comprising an upper platform having a flat top for mounting the thermal imaging device thereto in a removable manner; and a central connection portion for attachment to the spotlight mount such that the thermal imaging device is positioned on top of the spotlight, wherein the central connection portion is a generally flat plate which extends generally vertically in use and includes a central aperture through which a bulb housing of the spotlight can extend through.



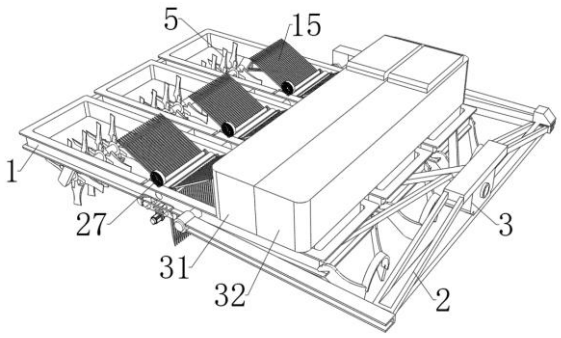
21: 2025/02093. 22: 2025/03/07. 43: 2025/10/07
51: A01G
71: Peanut Research Institute, Henan Academy of Agricultural Sciences
72: Liu Juan, Liu Haijiao, Cui Yanan, Zhou Liyao, Xu Risheng, Zhang Zheng, Ma Tengfei, Jiao Nianyuan, Chen Yafei, Liu Bing, Wang Jiangtao, Yang Jiangang
33: CN 31: 2025100606221 32: 2025-01-15

54: A STRIP ROTARY TILLAGE STUBBLE-CLEANING AND SEEDING MACHINE AND ITS SEEDING METHOD

00: -

This invention belongs to the field of peanut planting technology. Specifically, it relates to a peanut strip-tillage residue clearing and seeding machine, along with its seeding method. The machine includes a seeding frame, one end of which is fixedly connected to a fixed frame. Inside the fixed frame is a drive shaft group. The end of the seeding frame,

farthest from the fixed frame, is rotatably connected to a plow column. The circular side of the plow column is fixedly connected with multiple soil-turning blades. At the center of the seeding frame, close to the plow column, there is a rotating scatter column. The circular side of the scatter column is fixedly connected with multiple linkage columns, and the driving end of the drive shaft group engages with the linkage columns. The machine further vibrates and scatters the soil that has been broken up by the soil-turning blades through a residue clearing component, and removes the roots and stems of previous crops from the soil. This process ensures that the tilled soil is finer, reduces the number of roots and stems left in the soil, decreases the decomposition and consumption of soil nutrients by residual roots and stems, and helps prevent nutrient imbalance in the soil.

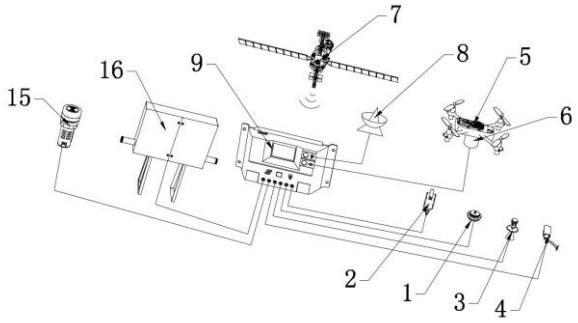


21: 2025/02094. 22: 2025/03/07. 43: 2025/09/17
51: G08B
71: Shaanxi Energy Institute
72: Ju Zhao, Jiangpeng Ju, Jianhua Zhang, Gao Zhang

54: MINING AREA PANORAMIC SCANNING-TYPE COAL FIRE DETECTION AND DISASTER EARLY WARNING AND PREVENTION DEVICE

00: -

The invention discloses a mining area panoramic scanning-type coal fire detection and disaster early warning and prevention device, including a detection device, a laser scanning device, a satellite remote sensing monitoring device, a data processing and analysis system and an early warning and control device. The mining area panoramic scanning-type coal fire detection and disaster early warning and prevention device of the invention can accurately capture the subtle changes of coal pile temperature and effectively detect the hidden dangers of early coal fire by arranging high-precision thermistor temperature sensors in the interior, surface and surrounding areas of the coal pile. The gas sensor installed in the mine vent can simultaneously detect the concentration of carbon monoxide, carbon dioxide, methane, sulfur dioxide and other gases, and timely find the abnormal gas composition caused by coal fire combustion. The infrared thermal imager located at the height to obtain the panoramic view of the mining area can clearly show the high temperature area; The camera provides high definition, wide viewing angle and low illumination visual monitoring, and a variety of sensors collect data from different dimensions in all directions, greatly improving the accuracy and comprehensiveness of the monitoring.



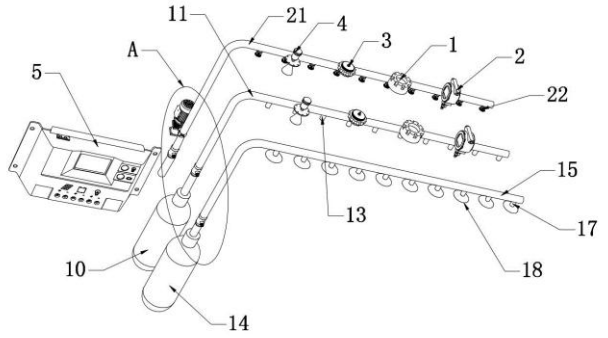
21: 2025/02095. 22: 2025/03/07. 43: 2025/09/17
51: G01S
71: Shaanxi Energy Institute
72: Jiangpeng Ju, Ju Zhao, Gao Zhang, Zhen Qu

54: ADAPTIVE INTELLIGENT COAL FIRE DETECTION AND DISASTER CLASSIFICATION EXTINGUISHING LINKAGE DEVICE

00: -

The invention relates to the safety technical field of coal mining and storage, in particular to an adaptive intelligent coal fire detection and disaster classification extinguishing linkage device, which consists of a detection device, a fire extinguishing device, a linkage control device and a power supply module. The adaptive intelligent coal fire detection and disaster classification extinguishing linkage device, multi-sensor cooperative work, it is combined with intelligent analysis algorithm, it can comprehensively and accurately detect the occurrence and development of coal fire, it can improve the accuracy rate of coal fire detection, and it can reduce the risk of false alarm and missing

alarm. According to different grades of coal fire, it adopts targeted fire extinguishing measures, it can improve the fire extinguishing efficiency. It can reduce the waste of fire extinguishing resources. This ensures that the coal fire can be effectively controlled at different stages, and the intelligent linkage control is realized between the detection device, the fire extinguishing device and the linkage control device. The whole system has a high degree of automation, a fast response speed, a reduced manual intervention, and a higher work efficiency and safety.

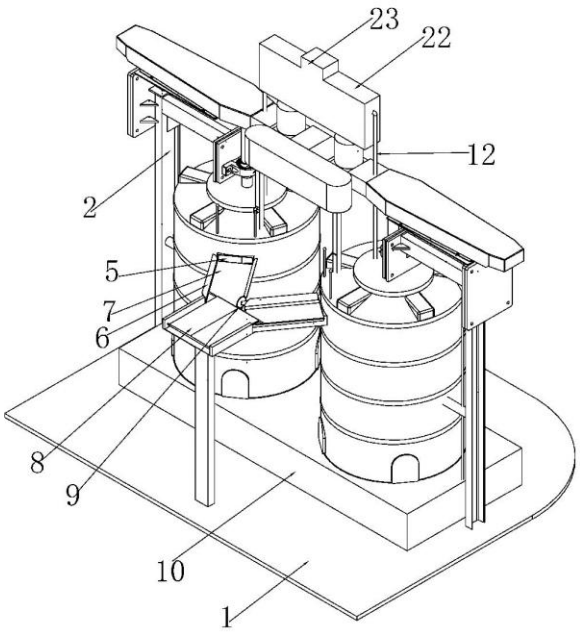


21: 2025/02115. 22: 2025/03/10. 43: 2025/09/17
51: A61K
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: WU Miao, CHANG Huihui, LIU Huiyuan, WEI Pengfei, XIE Zhaohui

54: SOLIDAGO CANADENSIS L. ALLELOPATHIC METABOLITE INTELLIGENT SORTING AND EXTRACTION SYSTEM

00: -

The present invention relates to an intelligent sorting and extraction system for Solidago canadensis L. allelopathic metabolites, effectively solving the problems of low extraction efficiency, mixed extraction of stems, roots, and leaves, and difficulties in separate storage and research. The technical solution includes a base, with a stem-root extraction device and a leaf-flower extraction device arranged at the upper end of the base. Both the stem-root extraction device and the leaf-flower extraction device have feed ports, with a first conveyor belt at the feed ports. The upper end of the first conveyor belt is connected to a second conveyor belt, and a cutting wheel is arranged at the upper end of the second conveyor belt. A heating box is provided at the lower end of the device, with two heating plates slidably fitted inside the heating box. The upper ends of the stem-root extraction device and the leaf-flower extraction device are connected to collection bottles via connecting pipes. The invention may separately extract the allelopathic metabolites from the stems, roots, and leaves of Solidago canadensis L., allowing for separate storage and research.



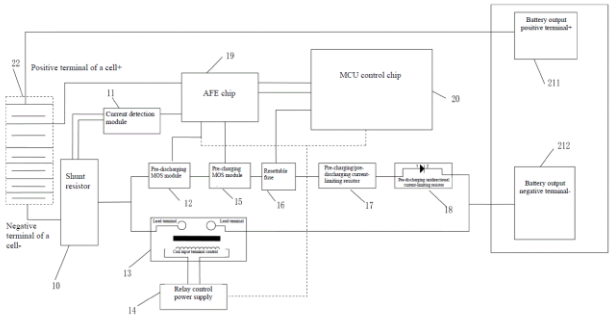
21: 2025/02120. 22: 2025/03/10. 43: 2025/09/17
51: H02H
71: Shenzhen Mingtang New Energy Technology Co., Ltd.
72: Zeng, Wujun, Diao, Yingjun, Fu, Jiabin, Luo, Mingxiang, Li, Zhiru
33: CN 31: 202420812784 .7 32: 2024-04-16

54: RELAY PROTECTION CIRCUIT FOR BMS

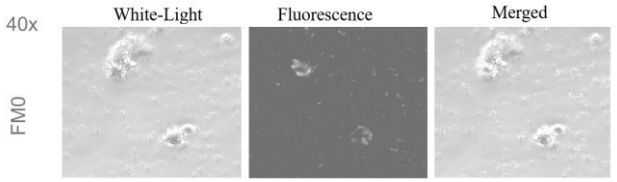
00: -

The invention relates to the field of relay protection, and discloses a relay protection circuit for a BMS. The relay protection circuit for a BMS includes: a BMS battery, a shunt resistor, a current detection module, an AFE chip, an MCU control chip, a pre-discharging MOS module, a pre-charging MOS module, a relay and a relay control power supply. A positive terminal of the BMS battery is connected to a negative terminal of an external load. A negative terminal of the BMS battery is connected to one end of the shunt resistor. The other end of the shunt

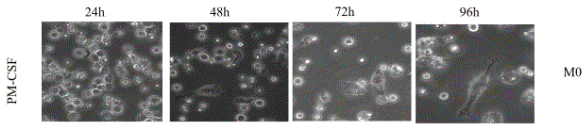
resistor is connected to the pre-discharging MOS module and the relay. The relay is connected to a positive terminal of the external load. The relay control power supply is connected in parallel with the relay. The pre-discharging MOS module is connected in series with the pre-charging MOS module. The pre-discharging MOS module and the pre-charging MOS module are connected in parallel with the relay. In embodiments of the invention, MOS transistors are used to control the relay to be on or off, which reduces a number of relays in a control process and lowers assembly complexity and production cost.



21: 2025/02121. 22: 2025/03/10. 43: 2025/09/17
51: A61K
71: Shanghai Veterinary Research Institute, CAAS (Shanghai Branch of China Animal Health and Epidemiology Center)
72: Yu Lingxue, Li Guoxin, Liu Liping, Liu Yun
33: CN 31: 202510093881.4 32: 2025-01-21
54: PROKARYOTIC EXPRESSION PLASMID FOR RECOMBINANT FELINE MACROPHAGE-COLONY STIMULATING FACTOR (FM-CSF), METHOD OF CONSTRUCTING SAME AND USE THEREOF
00: -
The present invention discloses a prokaryotic expression plasmid for recombinant feline macrophage-colony stimulating factor (FM-CSF), a method of constructing the same and use thereof. The present invention successfully constructs a plasmid containing the FM-CSF gene and achieves its efficient expression in a prokaryotic expression system for the first time. After being purified, the expressed recombinant protein shows high biological activity.

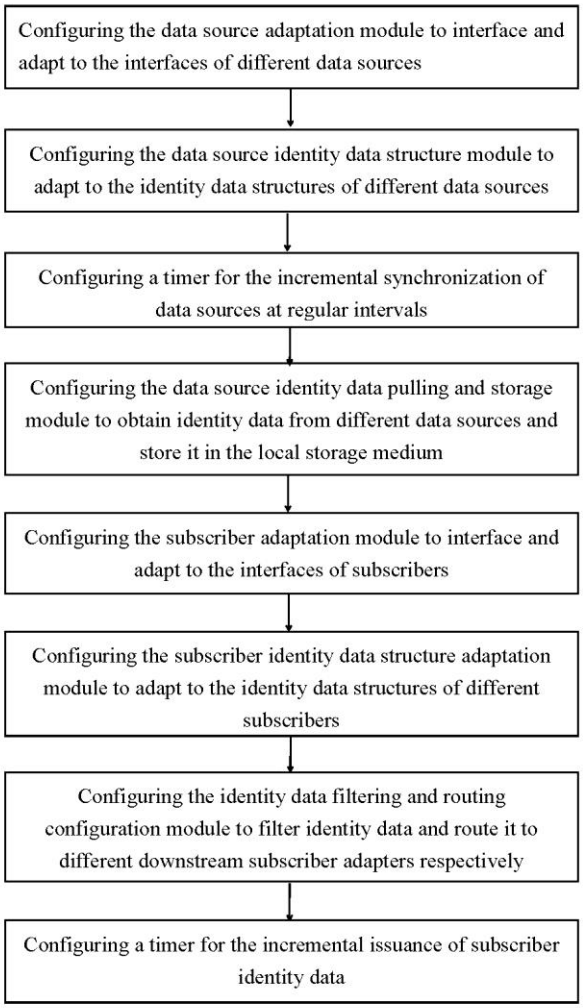


21: 2025/02122. 22: 2025/03/10. 43: 2025/09/17
51: A61K
71: Shanghai Veterinary Research Institute, CAAS (Shanghai Branch of China Animal Health and Epidemiology Center)
72: Yu Lingxue, Li Guoxin, Liu Yun, Liu Liping
33: CN 31: 202510086178.0 32: 2025-01-20
54: EUKARYOTIC EXPRESSION PLASMID FOR RECOMBINANT PORCINE MACROPHAGE-COLONY STIMULATING FACTOR (PM-CSF), METHOD OF CONSTRUCTING SAME AND USE THEREOF
00: -
The present invention discloses a eukaryotic expression plasmid for recombinant porcine macrophage-colony stimulating factor (PM-CSF), a method of constructing the same and use thereof. The present invention successfully constructs a plasmid containing the PM-CSF gene and achieves its efficient expression in a eukaryotic expression system for the first time. After being purified, the expressed recombinant protein shows high biological activity.



21: 2025/02123. 22: 2025/03/10. 43: 2025/09/17
51: G06F; H04L
71: COSCO SHIPPING TECHNOLOGY(BEIJING) CO., LTD.
72: ZHANG, Kai, LI, Hanjie, SUN, Zhe
33: CN 31: 202510102073.X 32: 2025-01-22
54: UNIFIED IDENTITY MANAGEMENT METHOD AND SYSTEM BASED ON ADAPTER PATTERN
00: -
The embodiment of the present invention disclosed unified identity management method and system based on the adapter pattern,the system includes: a data source adapter module, which is adapted to the interfaces of different data sources; a data source identity data structure adapter module, which is adapted to the identity data structures of different

data sources; a data source identity data extraction and storage module, which is configured to obtain and save the identity data of different data sources; a subscriber adapter module, which is adapted to the interfaces of different subscribers; a subscriber identity data structure adapter module, which is adapted to the identity data structures of different subscribers; an identity data filtering and routing adapter module, which is configured to read and filter the identity data and route them to different downstream subscriber adapters. It supports the dynamic definition of interface standards, provides data conversion, data field definition, and data field mapping functions, supports simultaneous access to multiple data sources, can connect to different downstream systems, and improves the adaptability and scalability of the identity management system.



21: 2025/02125. 22: 2025/03/10. 43: 2025/09/17

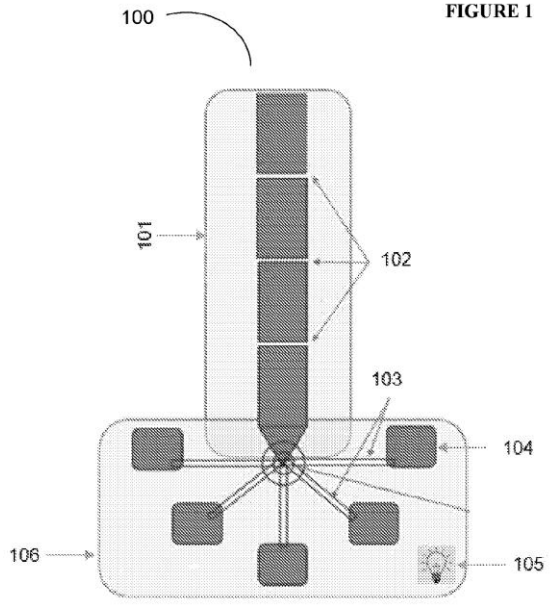
51: C12Q
71: Shubhendra Singh Thakur, Deovrat Begde
72: Shubhendra Singh Thakur, Deovrat Begde
33: IN 31: 202221012042 32: 2022-09-07

54: A NON-INVASIVE DEVICE AND METHOD FOR DETECTING RNA ASSOCIATED DISEASE

00: -

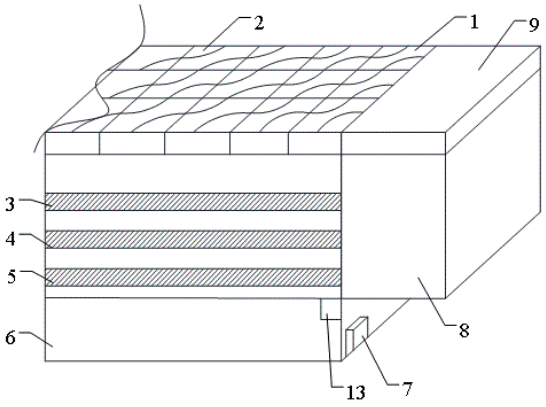
The present invention relates to a non-invasive device (100) and method (400) for detecting RNA associated disease based on the activity of the biological sample. The device (100) and method (400) encompass passing of the biological samples through one or more stacked layers (102) in the first section (101) which in turn induced enzymatic activity that is visually monitored. Thus, the capacity of the sample to digest and disintegrate the layers (102) is measured to determine the risk assessment. Further, the same biological sample trickles through the permeable enclosure (103) to the unitized chambers (104) for the analysis. This unitized chamber (104) is further connected to a light tight compartment (105) to quantify miRNA levels present in the biological sample for determining the type of RNA based disease. Thus, the single device (100) herein provides dual functionality of risk assessment and disease detection with minimized amount of sample.

FIGURE 1

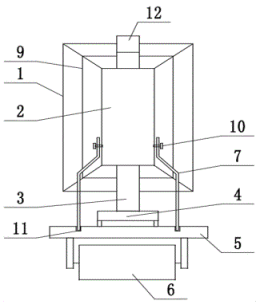


21: 2025/02143. 22: 2025/03/11. 43: 2025/10/07
51: E03B

71: Shandong Jiaotong University
72: Xiaowei JIN, Yuhua WANG
33: CN 31: 2024110647280 32: 2024-08-05
54: URBAN SPONGE UNDERGROUND DRAINAGE AND WATER STORAGE SYSTEM FOR FLOOD AND DROUGHT CONTROL
00: -
The invention discloses an urban sponge underground drainage and water storage system for flood and drought control, which belongs to the technical field of urban underground drainage and water storage, including a surface drainage component, an intermediate filter component, and a bottom water storage component, the surface drainage component includes several square bricks, and each square brick has a drainage outlet diagonally, a rotating component is set between the surface drainage component and the intermediate filter component, one side of the intermediate filter component is provided with a sewage outlet, and the bottom of the sewage outlet is provided with a debris pit. The invention adopts the above-mentioned urban sponge underground drainage and water storage system for flood and drought control, which can not only reduce the flood disaster caused by urban road water accumulation, but also provide available freshwater resources for urban water use in normal and dry seasons.



21: 2025/02144. 22: 2025/03/11. 43: 2025/09/17
51: A01C
71: Crop Research Institute, Ningxia Academy of Agriculture and Forestry Sciences
72: HE, Jinshang, LIU, Wangqing, ZHANG, Weijun, CHEN, Dongsheng, KANG, Ling, WANG, Xiaoliang, DONG, Yan, CAO, Lina, BAI, Haibo, DING, Xiuling
54: DEPTH ADJUSTMENT APPARATUS FOR PRECISION WHEAT SEEDER
00: -
The present invention discloses a depth adjustment apparatus for a precision wheat seeder, relating to the technical field of agriculture, and including a mounting frame, a mounting cylinder, an adjustment rod, a connecting bearing, a cylinder holder, a grounding roller, a righting bracket, a crank handle, a storage box, and a plurality of hand-screwed bolts. The mounting frame is fixed on a precision wheat seeder; the mounting cylinder is fixed on the mounting frame; the adjustment rod is threadably connected with the mounting cylinder. An inner ring of the connecting bearing is fixed to a bottom end of the adjustment rod; the cylinder holder is fixed to an outer ring of the connecting bearing; the grounding roller is provided on the cylinder holder. A plurality of slots are arranged at a top end of the cylinder holder.

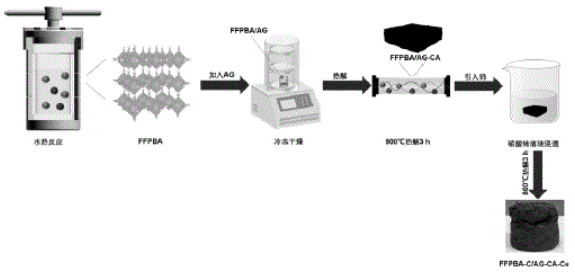


21: 2025/02145. 22: 2025/03/11. 43: 2025/09/17
51: C12Q
71: China Institute of Veterinary Drug Control
72: WU, Huawei, LIU, Dan, HUANG, Xiaojie, KONG, Dongni, CHEN, Xiaochun, QIN, Yixian, DENG, Yong, SU, Jia, XUE, Qinghong
54: DOUBLE DETECTION REAGENT KIT FOR BORDER DISEASE VIRUS AND APPLICATION
00: -
Disclosed in the present invention are a double detection reagent and reagent kit for a border disease virus and an application, which belong to the technical field of pathogen detection. The present invention provides a double detection reagent capable of detecting specificity for a border disease virus. The reagent includes a primer group, 2×UltraSYBR Mixture, a reaction template cDNA, and RNase-Free water, where the primer group includes primer pairs shown as follows: a forward primer 1 having a nucleotide sequence shown as SEQ ID NO. 1, a reverse primer 1 having a nucleotide sequence shown as SEQ ID NO. 2, a

forward primer 2 having a nucleotide sequence shown as SEQ ID NO. 3, and a reverse primer 2 having a nucleotide sequence shown as SEQ ID NO. 4.

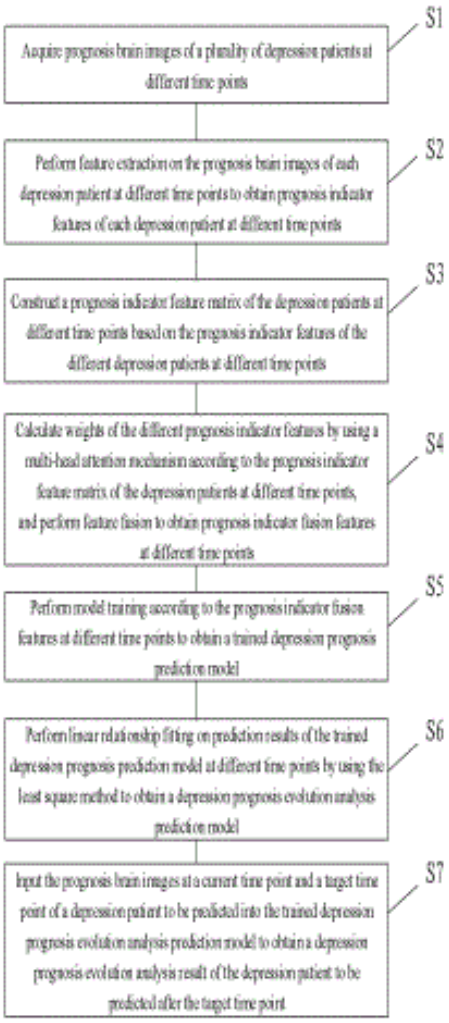
21: 2025/02146. 22: 2025/03/11. 43: 2025/09/17
51: G06F
71: Jiangsu Vocational Institute of Architectural Technology
72: WANG, Junqiang, DU, Bin, HUANG, Yong
54: CONSTRUCTION METHOD CAPABLE OF REALIZING ENERGY SAVING RATE OF 80 PERCENT FOR GREEN RESIDENTIAL BUILDINGS
00: -
Disclosed is a method capable of realizing an energy saving rate of 80 percent for envelope structures of green residential buildings. The method includes: realizing an energy saving rate of 80 percent for thermal performance design of envelope structures of green residential buildings, separating components of the envelope structures of the green residential buildings and determining limit values of heat transfer coefficients, determining thermal insulation and energy-saving parameters and methods of the envelope structures, and performing energy-saving construction of the envelope structures. The formed method capable of realizing an energy saving rate of 80 percent for envelope structures of green residential buildings can satisfy energy consumption index requirements of realizing the energy saving rate of 80 percent for the envelope structures of the green residential buildings and ultra-low energy-consumption buildings, and can adapt well to climate features and natural conditions in hot-summer and cold-winter zones.

21: 2025/02147. 22: 2025/03/11. 43: 2025/10/07
51: C08G
71: Shenyang Jianzhu University
72: Zhu Lehan, Xiang Tao
33: CN 31: 2024116760018 32: 2024-11-22
54: A TERNARY CARBON AEROGEL FOR THE EFFICIENT REMOVAL OF 4-NITROPHENOL (4-NP) AND ITS PREPARATION METHOD
00: -
The present invention relates to a ternary carbon aerogel for the efficient removal of 4-nitrophenol and its preparation method. The method includes the following steps: dispersing FFPBA nanoparticles into deionized water, adding agarose, and stirring in a water bath until the mixture is homogeneous. The obtained mixture is then frozen and subjected to vacuum freeze-drying to obtain FFPBA/AG aerogel. Subsequently, the FFPBA/AG aerogel undergoes pyrolysis in a nitrogen atmosphere to obtain FFPBA/AG-CA carbon aerogel. Finally, the FFPBA/AG-CA carbon aerogel is immersed in a cerium nitrate solution and heated at 60°C until the liquid completely evaporates. It is then pyrolyzed under a nitrogen atmosphere to obtain the FFPBA-C/AG-CA-Ce carbon aerogel material. This carbon aerogel exhibits excellent mechanical strength, outstanding catalytic activity for the degradation of 4-nitrophenol using potassium peroxymonosulfate, easy recyclability, and does not cause secondary environmental pollution.



21: 2025/02148. 22: 2025/03/11. 43: 2025/09/17
51: A61B
71: Tianjin Anding Hospital
72: ZHANG, Bin, LI, Peiying
54: METHOD FOR ANALYZING AND PREDICTING DEPRESSION PROGNOSIS EVOLUTION BASED ON MULTI-HEAD ATTENTION MECHANISM
00: -
The present application discloses a method for analyzing and predicting depression prognosis evolution based on a multi-head attention mechanism, relating to the technical field of disease diagnosis. The method includes: performing feature extraction on prognosis brain images of each depression patient at different time points, calculating weights of different prognosis indicator features by using a multi-head attention mechanism based on the prognosis indicator features of different depression patients at different time points, and performing feature fusion to obtain prognosis indicator fusion features at different time points; and performing model training by using the prognosis

indicator fusion features at different time points, performing linear fitting through the least square method to obtain a trained depression prognosis evolution analysis prediction model, and predicting to obtain a depression prognosis evolution analysis result of a depression patient to be predicted after a target time point.



21: 2025/02149. 22: 2025/03/11. 43: 2025/09/17
51: B60J
71: MAHINDRA & MAHINDRA LTD
72: MOHANTY, Abhinab, SELVAN, Veera, PANDURANGAN, Venugopal, SRIVASTAV, Abhay
33: IN 31: 202421088974 32: 2024-11-18
54: A SIDE DOOR HINGE WITH ENHANCED OPENING ANGLE FOR VEHICLES
00: -
The present invention discloses a side door hinge 200 with enhanced opening angle. The door hinge comprises a third hinge leaf configured to be connectable to a vehicle body. Further a profiled stopper path integrated into the third hinge leaf. The profiled stopper path includes a continuous stopping face. Further the continuous stopping face is configured to engage with a fourth hinge leaf. The invention's benefits include improved ingress and egress through vehicle doors, enhanced structural integrity of the hinge, and a visible design that complements the vehicle's aesthetics.

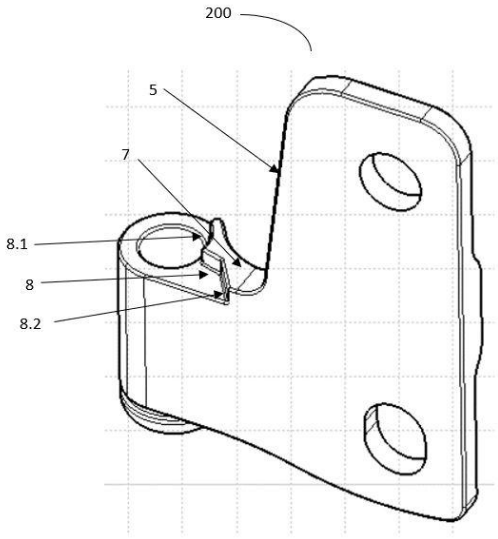
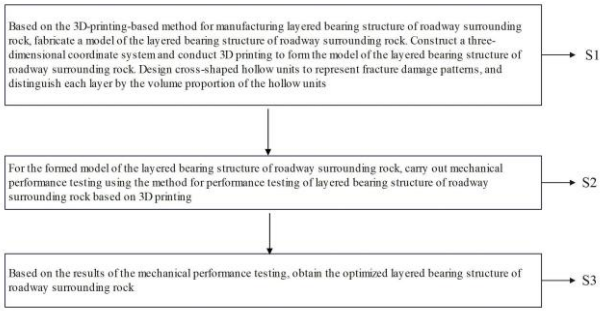


Figure 2

21: 2025/02150. 22: 2025/03/11. 43: 2025/09/17
51: G01N
71: Shanxi Xingxian Huarun Liansheng Chejiazhuang Coal Industry Co., Ltd., China Coal Group Shanxi Co., Ltd., Anhui University of Science and Technology, Shandong University of Science and Technology
72: WANG, Shouguo, QIAO, Bin, AN, Junpeng, GU, Qingheng, MENG, Xiangrui, ZHAO, Guangming, LIU, Xuesheng, GUO, Weiyao
33: CN 31: CN202510025989.X 32: 2025-01-08
54: METHOD AND SYSTEM FOR FABRICATION AND PERFORMANCE TESTING OF LAYERED BEARING STRUCTURE IN ROADWAY SURROUNDING ROCK
00: -
The present invention discloses a method and system for manufacturing and testing the performance of layered bearing structure of roadway surrounding rock. This method establishes a three-dimensional coordinate system for the model of the

layered bearing structure of roadway surrounding rock fabricated by the manufacturing method of the layered bearing structure of roadway surrounding rock based on 3D printing. Then, 3D printing is performed to form the model of the layered bearing structure of roadway surrounding rock. The mechanical performance of the formed model of the layered bearing structure of roadway surrounding rock is tested using the performance testing method of the layered bearing structure of roadway surrounding rock based on 3D printing. Based on the mechanical performance test results, an optimized layered bearing structure of roadway surrounding rock is finally obtained. The present invention solves the problem that the indoor manufacturing of the existing roadway surrounding rock structure fails to consider the influence of the layered structure and its parameters on the bearing performance of the surrounding rock.

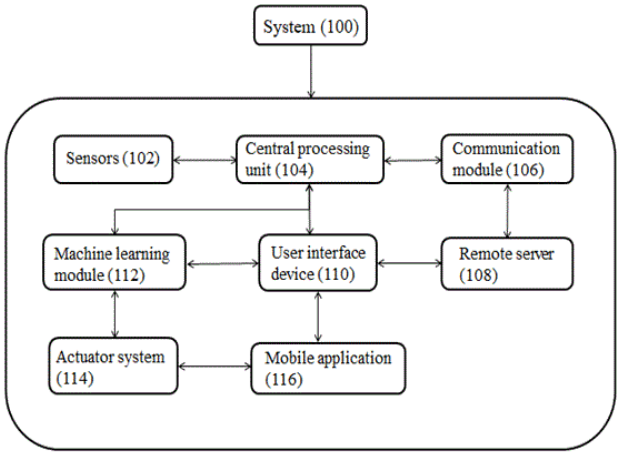


21: 2025/02151. 22: 2025/03/11. 43: 2025/09/17
51: A01B; F03D
71: Dr. P. Anuradha, V. Sudhakar, Dr. B. Senthil, Dr. V. R. Pathmavathi, V. Malarvizhi, L. N. Narayanan
72: Dr. P. Anuradha, V. Sudhakar, Dr. B. Senthil, Dr. V. R. Pathmavathi, V. Malarvizhi, L. N. Narayanan
33: IN 31: 202541011714 32: 2025-02-12

54: A SMART IOT-BASED SYSTEM TO OPTIMIZE AGRICULTURAL EFFICIENCY AND RESOURCE UTILIZATION

00: -

The present invention relates to an IoT-based system (100) designed to improve agricultural efficiency by integrating real-time data collection, analysis, and 5 automated decision-making. The system (100) comprises sensor (102) networks, actuators (114), and a centralized processing unit (104) that monitors various environmental and soil parameters, including temperature, humidity, soil moisture, and nutrient levels. The collected data is processed using machine learning (112) algorithms to optimize irrigation, fertilization, and pest control, thereby enhancing 10 crop yield and resource utilization. The system (100) further incorporates wireless communication protocols for seamless data transmission and remote monitoring via a user-friendly interface. The invention addresses limitations in existing agricultural technologies by minimizing resource wastage, improving predictive analytics, and automating farming processes to ensure sustainable and efficient farm management.



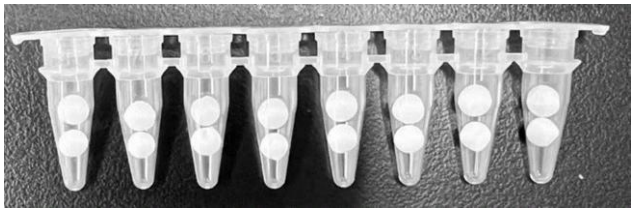
21: 2025/02155. 22: 2025/03/11. 43: 2025/09/17
51: A61K; C12Q
71: SHANGHAI BIOGERM MEDICAL TECHNOLOGY CO., LTD.
72: LI PEI, ZHAO BAIHUI, LI CHUNYAN
33: CN 31: 202211133161.9 32: 2022-09-16

54: MICROSPHERE FORMULATION FOR NUCLEIC ACID AMPLIFICATION, AMPLIFICATION METHOD, AND USE IN JOINT DETECTION

00: -

The present disclosure relates to the technical field of molecular diagnosis, and particularly, to a microsphere formulation for nucleic acid amplification, an amplification method, and use in joint detection. The microsphere formulation for nucleic acid amplification provided by the present disclosure can be stored for a long time at 2-8 °C. When the microsphere preparation provided by the present disclosure is used, no solvent is additionally added, and the microsphere formulation is directly mixed with a sample to be detected. On the premise that the concentration of an original system is not changed, the template content in the system can be

remarkably improved, so that the detection sensitivity is improved. By using the microsphere formulation for nucleic acid amplification provided by the present disclosure in RPA, RAA, or a double or multiple detection formed by combining a second reaction on the basis of RPA or RAA, the sensitivity can be remarkably improved, and meanwhile, the amplification specificity is ensured.

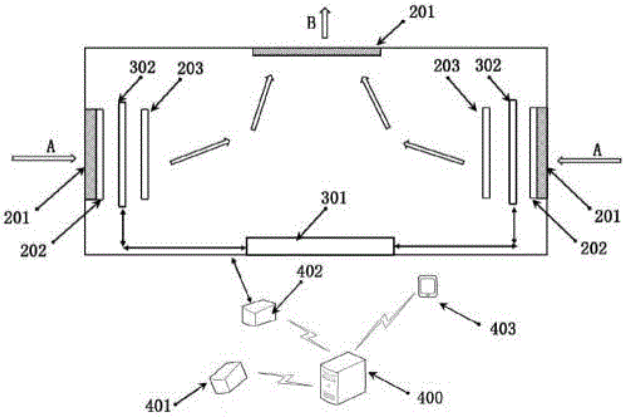


21: 2025/02159. 22: 2025/03/11. 43: 2025/10/07
51: A01G
71: SICHUAN AGRICULTURAL UNIVERSITY
72: LU Wei, ZHENG Yangxia, GUO Kexin, WANG Sen, PENG Wenjun, ZHOU Chengbo, LIU Yifei, JIANG Chengyao, LI Mengyao
33: CN 31: 2023109262579 32: 2023-07-26

54: DESERT GREENHOUSE CONTROL METHOD AND SYSTEM

00: -

The present invention relates to a desert greenhouse control method and a system. The system comprises: a main unit, used for constructing a greenhouse space for growing crops; a ventilation unit used for exchanging air between the greenhouse space and the outside space; and a temperature maintaining unit used for adjusting the temperature and the temperature distribution in the greenhouse space. In the greenhouse system, ventilation and temperature maintaining working conditions acting on the greenhouse space are formed by means of at least ventilation parameters of the ventilation unit and temperature maintaining parameters of the temperature maintaining unit. In response to a plurality of trigger signals, the greenhouse system updates and adjusts the ventilation and temperature maintaining working conditions by changing the ventilation parameters and temperature maintaining parameters. According to the control method and the system of the present application, by means of structural configurations and control and adjustment, the problem of obviously uneven heat distribution in space and time of greenhouse systems in desert and Gobi areas is solved, and the positive support level of the greenhouse system for crop growth and the capacity thereof to resist against and adapt to changes in desert and Gobi environments are improved by means of adaptive control of the temperature maintaining and ventilation working conditions.



21: 2025/02180. 22: 2025/03/11. 43: 2025/09/17
51: B65B
71: BENSCH, Martin Jonathan
72: BENSCH, Martin Jonathan
33: WO 31: PCT/IB2024/058407 32: 2024-08-29
33: ZA 31: 2023/03330 32: 2023-09-06

54: STRETCH HOOD WRAPPING SYSTEM

00: -

The invention discloses a stretch hood wrapping system that includes a stretcher, a carrying frame, and a manipulator configured to be operable to stretch wrap an object from a designated surface thereof with a hood comprising an elastic film sleeve, with the stretcher stretching the sleeve, the carrying frame receiving the stretched sleeve from the stretcher, the manipulator locating the carrying frame against a designated surface of the object and passing the carrying frame over the object from its designated surface to proximate an opposing end thereof to stretch the sleeve over the object from its designated surface and along sides thereof, thereby allowing the sleeve to be transferred from the carrying frame onto the object, to wrap the object with a stretch hood. The invention extends to a carrying frame for such a system and a method of wrapping an object with a stretch hood.

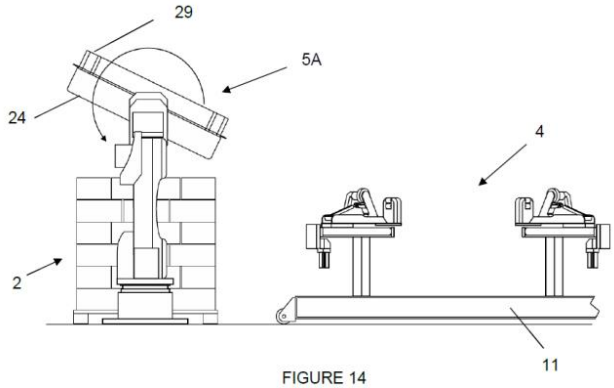
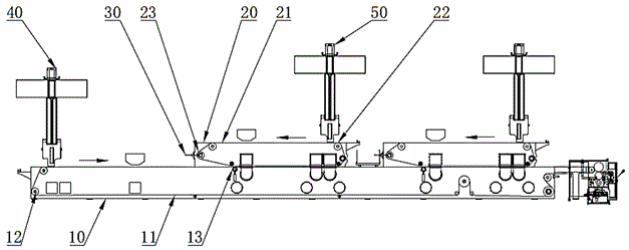


FIGURE 14

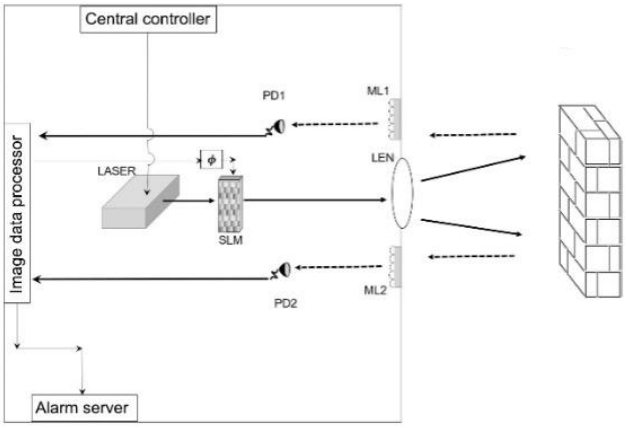
21: 2025/02193. 22: 2025/03/12. 43: 2025/09/16
51: D04H
71: Zhejiang CL Nonwoven Machinery Co., LTD.
72: Yingxian CHEN, Feiyu CHEN, Mei CHEN, Fangyong ZHU, Zhengshuo LIU, Haibo HUANG
33: CN 31: 2024114795883 32: 2024-10-23
54: MULTI-LAYER NONWOVEN PRODUCTION EQUIPMENT CAPABLE OF ADJUSTING CONVEYOR BELT
00: -
The present invention provides multi-layer nonwoven fabric production equipment capable of adjusting a conveyor belt, including a first frame, where at least one upper-layer frame is arranged above the first frame; an upper-layer driving roller set is arranged on the upper-layer frame, and an upper-layer conveying belt is arranged on the upper-layer driving roller set; and a first driving roller set and a first height-adjusting roller are arranged on the first frame, a first driving roller set and a first height-adjusting roller are arranged on the first frame, a first conveying belt is arranged on the first driving roller set, the first driving roller set is used to drive the first conveying belt to operate, a first conveying surface for bearing a fiber net is formed above the first conveying belt, and the first height-adjusting roller is used to abut against the first conveying surface of the first conveying belt, so that a distance between the first conveying surface of the first conveying belt and the upper-layer conveying belt is adjusted. The first height-adjusting roller of the present application can adjust the distance between the first conveying belt and the upper-layer conveying belt so as to adapt to different fiber nets and enable the fiber nets to be transferred better.



21: 2025/02195. 22: 2025/03/12. 43: 2025/09/30
51: A61K; C07D; A61P
71: F. HOFFMANN-LA ROCHE AG
72: KOEHLER, Michael Friedrich Thomas, SMITH, Peter Andrew, WINTER, Dana, SOW, Boubacar, STURINO, Claudio, PELLETIER, Guillaume, BOUDREAULT, Jonathan, ROY, Stéphanie
33: US 31: 62/853,457 32: 2019-05-28
54: MACROCYCLIC BROAD SPECTRUM ANTIBIOTICS
00: -
Provided herein are antibacterial compounds, wherein the compounds in some embodiments have broad spectrum bioactivity. In various embodiments, the compounds act by inhibition of bacterial type 1 signal peptidases SpsB and/or LepB, an essential protein in bacteria. Pharmaceutical compositions and methods for treatment using the compounds described herein are also provided.

21: 2025/02201. 22: 2025/03/12. 43: 2025/09/18
51: G06K; G08B
71: BEIJING INSTITUTE OF TECHNOLOGY
72: ZHANG, Shengli, ZHANG, Yunuo
54: INTRUSION DETECTOR BASED ON MICROLENS ARRAY AND SINGLE-PIXEL IMAGING
00: -
The present invention belongs to technical field of intrusion detection, and discloses an intrusion detector based on microlens array and single-pixel imaging, which comprises a transmitting end and a receiving end, the transmitting end comprises a central controller, a data image processor, a semiconductor laser, a phase modulator, a spatial light modulator, and a collimating lens; the receiving end comprises a microlens array, a photon detector, a data image processor, and a servo alarm. In the present invention, characteristics of narrow coverage range and easy avoidance of laser correlation type intrusion detector can be avoided, so as to obviously

reduce false alarm rate of intrusion detection, and enhance adaptability and robustness of the intrusion detector.

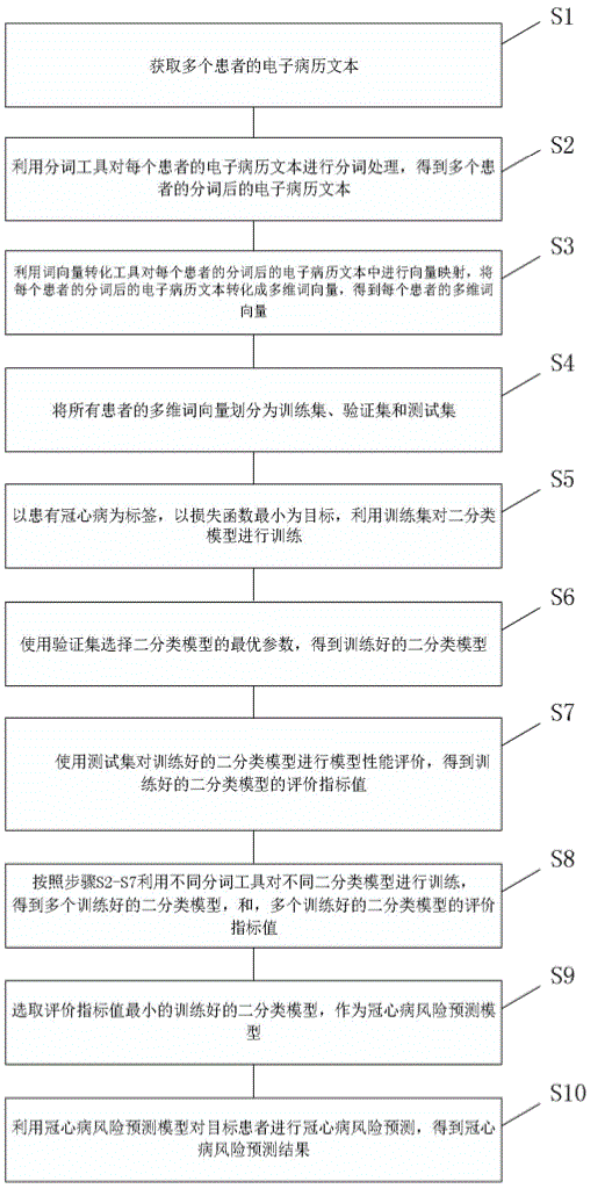


21: 2025/02210. 22: 2025/03/12. 43: 2025/09/18
51: A61B
71: UNIVERSITY OF SHANGHAI FOR SCIENCE AND TECHNOLOGY
72: LIU, Hong, XIONG, Honglin, LU, Yifei, FAN, Chongjun

54: METHOD FOR PREDICTING CORONARY HEART DISEASE RISK ON BASIS OF WORD SEGMENTATION-WORD VECTOR CONVERSION-BINARY CLASSIFICATION

00: -

Disclosed is a method for predicting coronary heart disease risk on the basis of word segmentation-word vector conversion-binary classification. The method includes: carrying out word segmentation processing on electronic medical record text of each patient by using a word segmentation tool to obtain segmented electronic medical record text of a plurality of patients; carrying out vector mapping on the segmented electronic medical record text of each patient by using a word vector conversion tool, and converting the segmented electronic medical record text of each patient into a multidimensional word vector to obtain the multidimensional word vector of each patient; and training different binary classification models by using different word segmentation tools respectively, selecting the trained binary classification model with a minimum evaluation index value as a coronary heart disease risk prediction model, and carrying out coronary heart disease risk prediction by using the coronary heart disease risk prediction model.



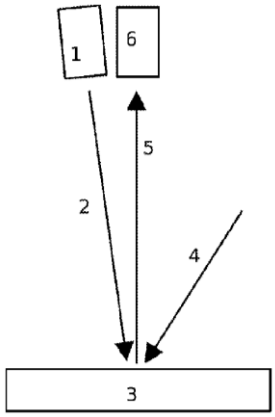
21: 2025/02219. 22: 2025/03/12. 43: 2025/09/18
51: G01J; G01N
71: BLUE CUBE TECHNOLOGY (PTY) LTD
72: DU PLESSIS, Francois Eberhardt
33: ZA 31: 2022/09994 32: 2022-09-08

54: ACCURATE MEASUREMENT OF SPECTRAL REFLECTIVITY OF FLOTATION FROTH BUBBLES

00: -

The colour of flotation froth (3) is determined by Illuminating the froth (3), capturing a digital image of the froth (3) in a multispectral light sensor (6), and using specular reflection intensity of an illumination source (1) from gas-liquid interfaces on flotation froth bubbles in the froth (3), as white reference to

calibrate different wavelength bands of the light sensor (6).

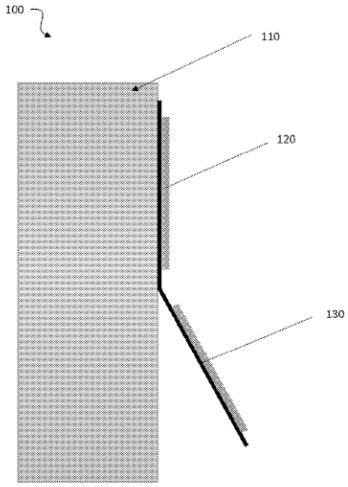


21: 2025/02226. 22: 2025/03/12. 43: 2025/09/18
51: A45F
71: Aleksey Gennadevich Pridorozhnyi
72: Aleksey Gennadevich Pridorozhnyi
33: RU 31: 2023121466 32: 2023-08-16

54: BACKPACK WITH MULTIMEDIA DEVICE

00: -

The present technical solution relates generally to articles for carrying loads, and more particularly to a backpack with a multimedia device. The technical result achieved by the implementation of this solution is that of broadening the existing range of technical equipment provided in the form of a backpack with a multimedia device. Claimed is a backpack having on one side a display connected to a computing unit that allows exchange of data with an external device, wherein the display is fastened inside a compartment that comprises a hinged protective element.

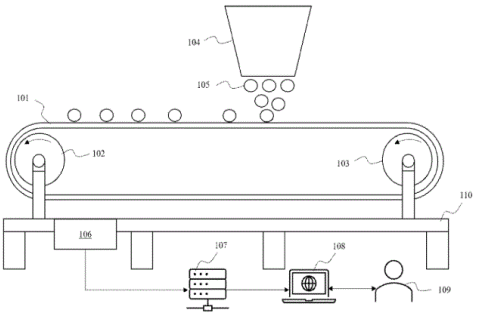


21: 2025/02227. 22: 2025/03/12. 43: 2025/09/18
51: B65G
71: Aleksey Gennadevich Pridorozhnyi
72: Aleksey Gennadevich Pridorozhnyi
33: RU 31: 2023121465 32: 2023-08-16

54: METHOD AND SYSTEM FOR THE AUTOMATED DETECTION OF CONVEYOR BELT FAULTS

00: -

A method for the automated detection of conveyor belt faults consists in acquiring vibration measurement data from a vibration measuring device disposed on structural elements of a conveyor belt, and processing the measurements. During processing, the measurements are compared with a vibration parameter reference value that indicates the presence of a fault in the conveyor belt. The presence of a fault in the conveyor belt is determined if the vibration measurements differ from the vibration parameter reference value and/or correspond to a reference pattern of vibration which indicates the presence of a fault in the conveyor belt. Data about detected faults are recorded in a memory of a computing device and/or are transmitted to an external device. The technical result is an increase in the accuracy with which conveyor belt faults are detected by the analysis of conveyor vibration data.

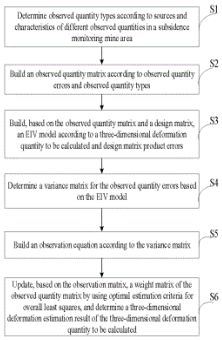


21: 2025/02237. 22: 2025/03/13. 43: 2025/09/18
51: G01S
71: Kunming University of Science and Technology, Coal Geological Geophysical Exploration Surveying And Mapping Institute of Shanxi Province
72: SHI, Mengyao, QIAN, Weiheng, WANG, Wenwen, ZHANG, Wenkai, ZHENG, Yueze, LIU, Enze, ZHANG, Fan, XUN, Zhangyuan, WANG, Yuhong, ZUO, Xiaoqing
33: CN 31: 202510121024.0 32: 2025-01-24

54: METHOD AND APPARATUS FOR ESTIMATING THREE-DIMENSIONAL DEFORMATION IN SURFACES OF MINING SUBSIDENCES, DEVICE, MEDIUM, AND PRODUCT

00: -

Disclosed are a method and apparatus for estimating three-dimensional deformation in surfaces of mining subsidences, a device, a medium, and a product. The method includes: determining observed quantity types according to sources and characteristics of different observed quantities in a subsidence monitoring mine area; building an observed quantity matrix according to observed quantity errors and observed quantity types; building, based on the observed quantity matrix and a design matrix, an errors-in-variables (EIV) model according to a three-dimensional deformation quantity to be calculated and design matrix product errors; determining a variance matrix for the observed quantity errors based on the EIV model; building an observation equation according to the variance matrix; and updating, based on the observation matrix, a weight matrix of the observed quantity matrix by using optimal estimation criteria for overall least squares, and determining a three-dimensional deformation estimation result of the three-dimensional deformation quantity to be calculated.

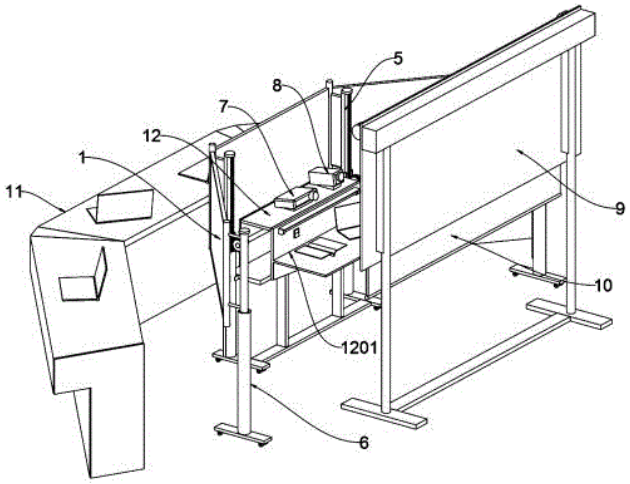


21: 2025/02238. 22: 2025/03/13. 43: 2025/09/18
51: G09B
71: Henan University of Urban Construction
72: ZHOU Shuke

54: INTELLIGENT DISPLAY STAND FOR ANALYZING MATHEMATICAL PROBLEMS

00: -

The invention provides an intelligent display stand for analyzing mathematical problems, which includes a display screen group, a main frame body, a power control unit, a transmission unit, a projector, a video recorder, a writing board, a discussion table and an inner table; the display screen group is connected to the front bracket of the lifting frame by welding; the two sides of the display screen group are connected to the bracket in front of the telescopic guide rod of the external telescopic mechanism by welding; the middle telescopic frames at both sides of the main frame body are respectively connected with a lifting frame in a sliding way; the power control unit is connected above the support plate on the main frame body through bolts, and the driving gear of the power control unit is meshed with the drive gear, the two ends of the transmission unit are movably connected to the bearing seat of the main frame body through bearings; compared with the existing conference-based problem-solving methods, the invention optimizes the problem-solving ideas, and can solve applied mathematics problems from all angles with demonstration equipment, which is convenient for the exchange between group discussions and large group discussions, and is convenient for summing up problems and discovering new mathematical problem-solving methods.



21: 2025/02239. 22: 2025/03/13. 43: 2025/09/18
51: G01N
71: Research Institute of Tropical Forestry, Chinese Academy of Forestry
72: LIU, Xiaojin, CUI, Zhiyi, XU, Daping

54: METHOD FOR RAPID IDENTIFICATION OF QINAN AQUILARIA SINENSIS AND COMMON AQUILARIA SINENSIS BASED ON SEEDLING LEAF PHENOTYPES

00: -

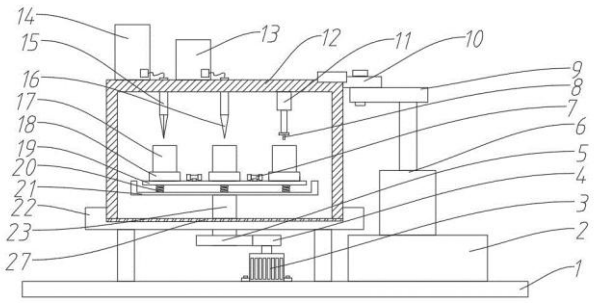
The present invention provides a method for rapid identification of QiNan A. sinensis and common A. sinensis based on seedling leaf phenotype. The present invention rapidly identifies QiNan A. sinensis and common A. sinensis by detecting the thickness, upper and lower epidermal thickness, relative chlorophyll value, chlorophyll a content, chlorophyll b content, carotenoid content, total chlorophyll content, and leaf basal angle of the leaves of the samples to be identified. The method of the present invention develops a standard for the identification of QiNan A. sinensis and common A. sinensis based on the leaf phenotype at the seedling stage, which can realize the identification earlier at the seedling stage (before incense formation), and can safeguard the quality of the seedlings before planting and prevent great losses at the later stage of planting. It has the obvious advantages of preventing large losses and being easy to operate, fast and efficient.

21: 2025/02240. 22: 2025/03/13. 43: 2025/09/18
51: C12M
71: Shandong Agriculture And Engineering University
72: SUN Xiaoming, LIU Jin, YANG Yaling

54: RAPID DETECTION DEVICE FOR MOLECULAR MARKERS IN MOLECULAR BREEDING

00: -

The present invention belongs to the field of breeding technology and particularly relates to a rapid detection device for molecular markers in molecular breeding. The device includes an experimental chamber, the bottom of which is equipped with a rotation mechanism. The top of the rotation mechanism is provided with a vibration assembly, which includes a vibration plate. The vibration plate is elastically connected to the top of the rotation mechanism via multiple springs I. The vibration plate is installed with several vibration motors and is circumferentially and equidistantly arranged around the axis of the rotation mechanism with multiple fixing components, designed to secure breeding tubes of different specifications. The inner top wall of the experimental chamber is equipped with a target factor injection mechanism, a molecular marker injection mechanism, and a detection mechanism. The invention can secure breeding tubes of different diameters, thereby improving the range of use, and can thoroughly mix target genes with molecular markers, enhancing the accuracy of molecular marker detection.

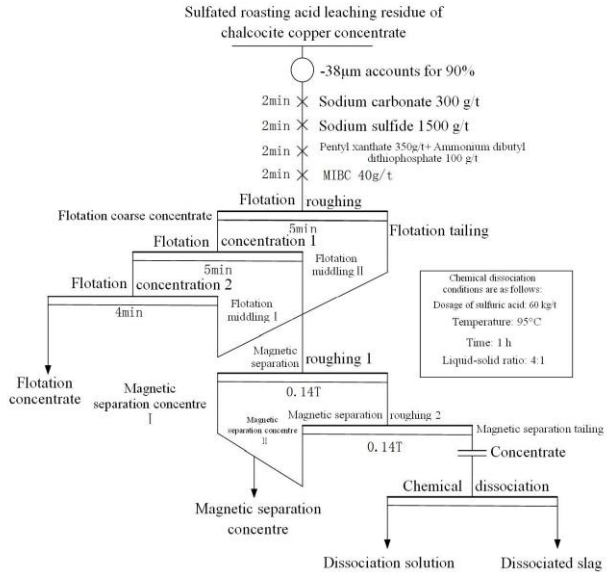


21: 2025/02241. 22: 2025/03/13. 43: 2025/10/07
51: C22B
71: Kunming University of Science and Technology
72: YU Yunlong, LIU Jian, XIONG Hao, LIU Dianwen, WEN Shuming, GAO Hulin, HAO Jiamei, LI Da
33: CN 31: 2025101953455 32: 2025-02-21

54: EFFICIENT RECOVERY METHOD OF COPPER FROM SULFATED ROASTING ACID LEACHING RESIDUE OF CHALCOCITE COPPER CONCENTRATE

00: -

The invention proposes a efficient recovery method of copper from sulfated roasting acid leaching residue of chalcocite copper concentrate, belonging to the field of mineral processing technology. The invention recovers copper sulfide minerals and their intergrowths with copper ferrite from the sulfation roasting acid leaching residue of chalcocite copper concentrate through flotation, then recovers copper ferrite and its intergrowths with copper sulfide minerals from the flotation middlings and tailings through magnetic separation, and finally recovers ultrafine copper ferrite and copper mineral particles completely encapsulated by gangue minerals from the magnetic separation tailings through chemical dissociation. By combining flotation, magnetic separation, and chemical dissociation, the invention enhances the recovery of copper from the sulfation roasting acid leaching residue of chalcocite copper concentrate, achieving a comprehensive recovery rate of up to 91.18%.

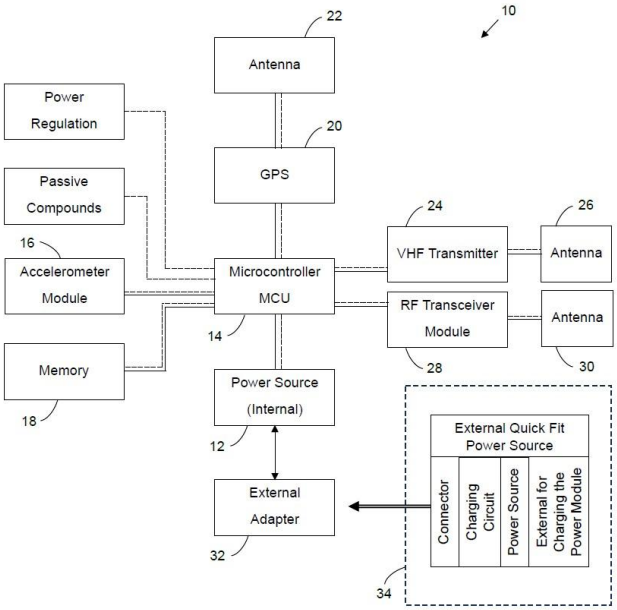


21: 2025/02242. 22: 2025/03/13. 43: 2025/09/18
51: A01K; G01S; G06F
71: Rouxcel Technology (Pty) Ltd
72: LE ROUX, Solomon Petrus
33: ZA 31: 2024/03869 32: 2024-05-20

54: TRACKING METHOD AND DEVICE

00: -

Movement of an animal is tracked by fitting a tracking device (10) on the animal, monitoring movement of the animal with at least one sensor (16,20) in the tracking device (10) to generate movement data, which is analysed to determine whether movement criteria have been met and the animal has moved or is mobile, and transmitting date from the tracking device (10) if the movement criteria have been met, and/or a time interval has elapsed.

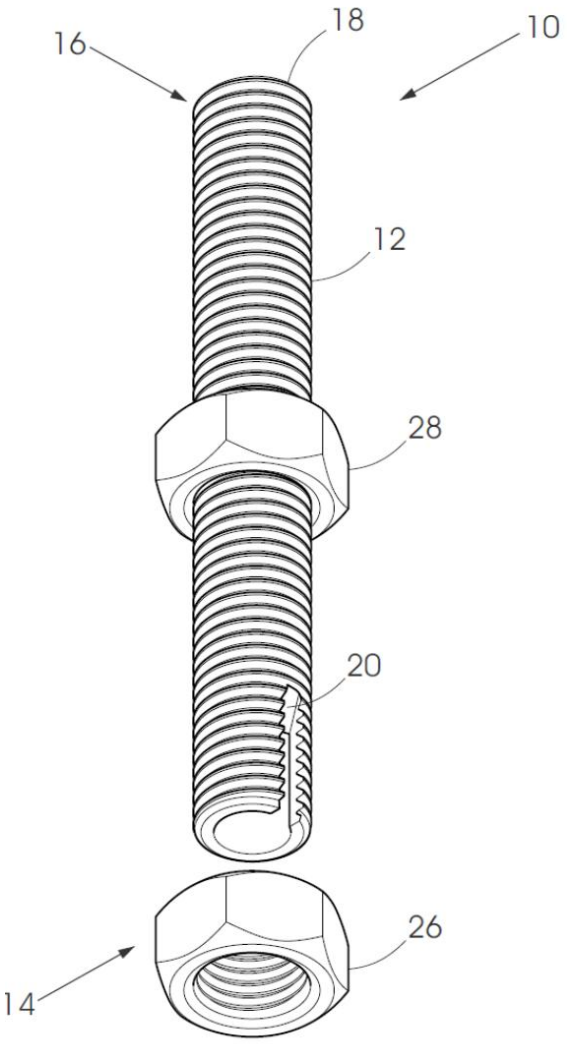


21: 2025/02246. 22: 2025/03/13. 43: 2025/09/18
51: B65H; F16G
71: MICWAY PRODUCTS CC
72: VAN DER LINDE, Calvin William

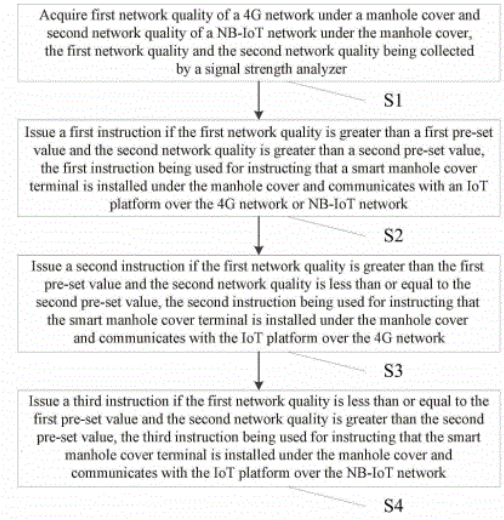
54: TENSIONING DEVICE

00: -

A tensioning device for tensioning a flexible element which includes an elongate body having a first end and an opposed second end, a passage extending through the body between the first end and the second end, at least one recessed formation at the first end of the body, a securing member engageable with the first end of the body and the at least one recessed formation for securing a portion of a flexible element to be tensioned at the first end of the body, and an adjustment member engageable with the body and which in use abuts an anchor point, wherein the adjustment member is moveable along a length of the body towards the anchor point thereby to urge the first end away from the anchor point and thereby adjust the tension of the flexible element.

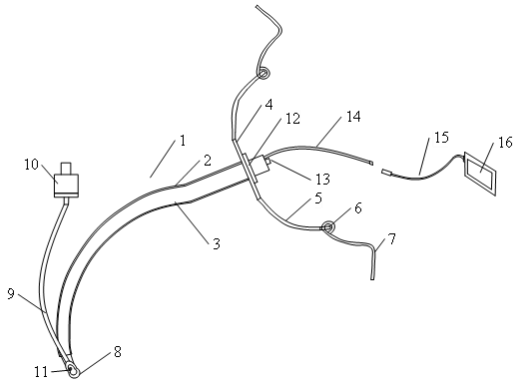


21: 2025/02252. 22: 2025/03/13. 43: 2025/10/07
51: H04L
71: UNDERGROUND SPACE TECHNOLOGY DEVELOPMENT CO, LTD.OF CNACG
72: XU, Han, MA, Tianchi, CHENG, Danyi, XU, Xinyu, SHI, Wei
33: CN 31: 202410772242.6 32: 2024-06-17
54: NETWORK MANAGEMENT METHOD, APPARATUS, AND SYSTEM FOR SMART MANHOLE COVER TERMINAL
00: -
Disclosed are a network management method, apparatus, and system for a smart manhole cover terminal, which relate to the technical field of Internet of Things (IoT) communication. First network quality of a 4G network under a manhole cover and second network quality of a Narrowband Internet of Things (NB-IoT) network under the manhole cover are collected by a signal strength analyzer. If the first network quality is greater than a first pre-set value and the second network quality is greater than a second pre-set value, the first network quality is greater than the first pre-set value and the second network quality is less than or equal to the second pre-set value, or the first network quality is less than or equal to the first pre-set value and the second network quality is greater than the second pre-set value, a smart manhole cover terminal is installed under the manhole cover.



21: 2025/02268. 22: 2025/03/13. 43: 2025/09/18
51: A61M
71: THE FIRST AFFILIATED HOSPITAL OF GUANGDONG PHARMACEUTICAL UNIVERSITY
72: ZHANG, Fan, XING, Qiuyun, WEI, Huanjie, WU, Junjian, YU, Xiexin
54: A VISUALIZED ENDOTRACHEAL TUBE STRUCTURE WITH A SLIDING OROPHARYNGEAL AIRWAY
00: -
The present invention provides a visualized endotracheal tube structure with a sliding oropharyngeal airway, belonging to the field of medical device technology. It comprises a tube body, a connection-positioning component, a fixed sealing component, an image transmission component, an auxiliary enhancement component, and a ventilation support component. The connection-positioning component enables sliding connection and precise positional adjustment between the oropharyngeal airway and the endotracheal tube. The fixed sealing component

ensures stable fixation on the patient's face and prevents gas leakage. The image transmission component collects and displays tracheal images, enhancing intubation accuracy and safety. The auxiliary enhancement component improves structural stability and tightness, while the ventilation support component ensures smooth gas flow within the airway, providing safer and more effective respiratory support.

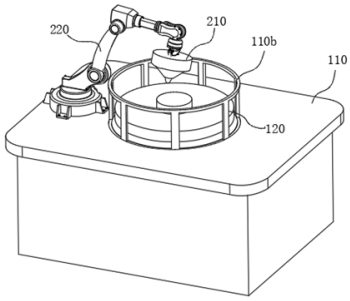


21: 2025/02269. 22: 2025/03/14. 43: 2025/09/18
51: A61C
71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: LI, Hui

54: BIONIC PERIODONTAL BONE DEFECT SIMULATION AND REPAIR INTEGRATED DEVICE

00: -

The present invention belongs to the field of medical device technology and specifically relates to a bionic periodontal bone defect simulation and repair integrated device, comprising a bearing mechanism and a simulated repair mechanism. The bearing mechanism is used to bear teeth with periodontal bone defects. The simulated repair mechanism is installed on the bearing mechanism, wherein when the simulated repair mechanism works, it repairs the teeth with periodontal bone defects on the bearing mechanism. This bionic periodontal bone defect simulation and repair integrated device replaces the traditional method of simulating and learning periodontal bone defects, avoiding the problem of dentists being unable to effectively observe the restoration treatment for periodontal bone defects and affecting their learning effectiveness in repairing periodontal bone defects.

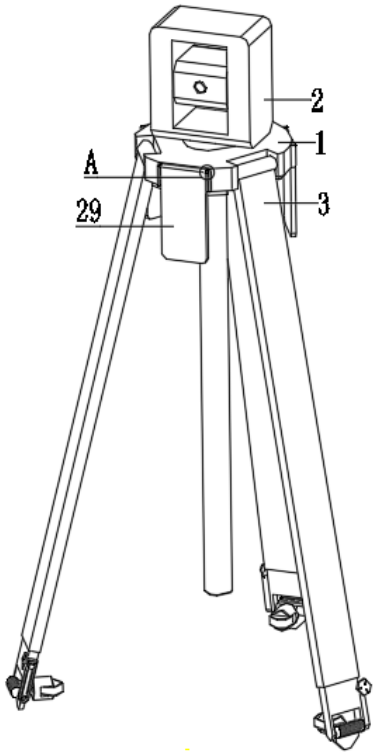


21: 2025/02270. 22: 2025/03/14. 43: 2025/09/18
51: G01C
71: JINGGANGSHAN UNIVERSITY
72: LI, Weihua

54: OUTDOOR REMOTE SENSING MULTIFUNCTIONAL SURVEYING AND MAPPING DEVICE

00: -

Disclosed is an outdoor remote sensing surveying and mapping device comprising a support disk and a remote sensing instrument mounted on its upper section. A tilt sensor is positioned at the bottom of the support disk, and multiple support legs are flexibly connected to its outer side. A support component is integrated into the support legs, consisting of a first rotating rod, a worm gear, a support pad, a support plate, and a universal wheel. By rotating the worm gear, the support pad, support plate, and universal wheel can be adjusted to ensure stability on different terrains, making the device adaptable to various surveying environments. Arc-shaped plates and protective plates are included to safeguard the remote sensing instrument. These protective features help prevent damage caused by impact when the device tilts, ensuring the instrument remains secure and operational. This design enhances the reliability and durability of surveying and mapping operations.



21: 2025/02272. 22: 2025/03/14. 43: 2025/09/18
51: G01N
71: Research Institute of Tropical Forestry, Chinese Academy of Forestry
72: CUI, Zhiyi, LIU, Xiaojin, ZHU, Lingjuan, XU, Daping, ZHANG, Qilei

54: METHOD FOR RAPID IDENTIFICATION OF QINAN AQUILARIA SINENSIS AND COMMON AQUILARIA SINENSIS BASED ON SEEDLING TISSUE DISSECTION

00: -

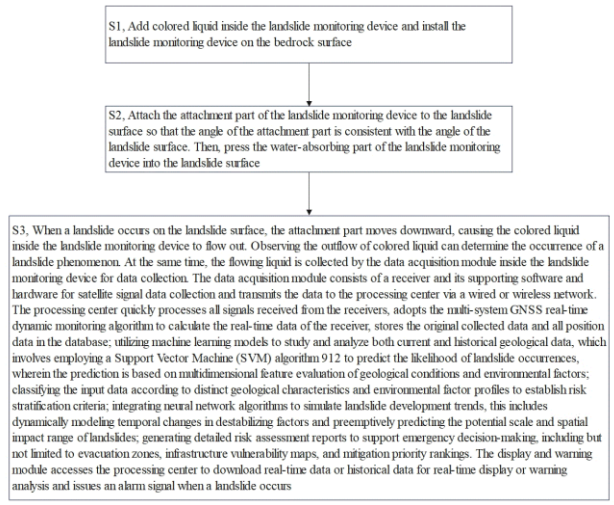
Provided is a method for quickly identifying QiNan A. sinensis and common A. sinensis based on seedling tissue dissection. The method comprises the following steps: the stem of the sample to be identified has an inner phloem tissue ratio greater or equal to 9.2 percent, a ray thin-walled cell wall thickness greater or equal to 2.62 micrometers and a tissue ratio of ray thin-walled cells greater or equal to 6.2 percent, and the leaf blade has a thickness greater or equal to 246.7 micrometers, and the leaf blade has a thickness of fenestrated tissue greater or equal to 43.3 micrometers, a thickness of spongy tissue greater or equal to 135.7 micrometers, and a thickness of the midrib greater or equal to 588.1 micrometers. It was identified as QiNan A. sinensis; the stem of the sample to be identified was identified as common A. sinensis when the tissue ratio of the inner phloem of the stem was less or equal to 7.7 percent, the thickness of the ray thin-walled cell wall was less or equal 2.05 micrometers and the tissue ratio of the ray thin-walled cell was less or equal 5.7 percent.

21: 2025/02273. 22: 2025/03/14. 43: 2025/09/18
51: G01B
71: SUZHOU UNIVERSITY
72: GUO, Zhongchen, JIANG, Chuang, HU, Ru, YAO, Liying

54: LANDSLIDE MONITORING DEVICE AND METHOD BASED ON MULTI-SYSTEM GNSS REAL-TIME DYNAMIC MONITORING ALGORITHM

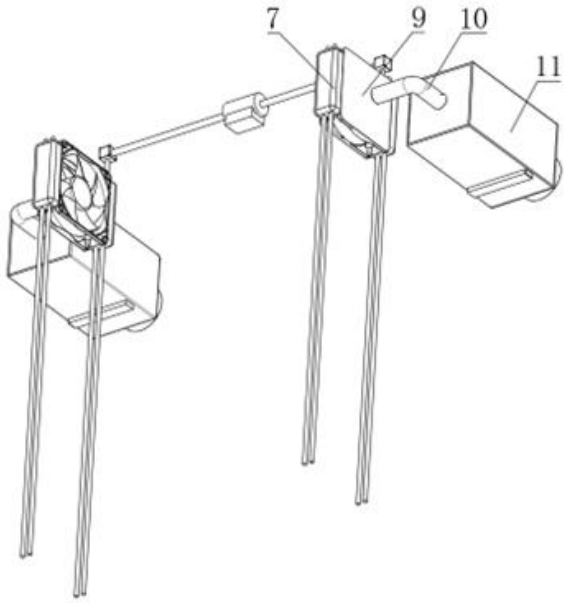
00: -

This invention discloses a landslide monitoring device and method based on multi-system GNSS real-time dynamic monitoring algorithm, which includes the following steps: S1, add colored liquid inside the landslide monitoring device and install the landslide monitoring device on the bedrock surface; S2, attach the attachment part of the landslide monitoring device to the landslide surface so that the angle of the attachment part is consistent with the angle of the landslide surface. Then, press the water-absorbing part of the landslide monitoring device into the landslide surface; S3, when a landslide occurs, the outflowing liquid is collected by the data acquisition module inside the landslide monitoring device for data collection. The processing center quickly processes all signals received from the receivers, adopts the multi-system GNSS real-time dynamic monitoring algorithm to calculate the real-time data of the receiver. The display and warning module accesses the processing center to issue an alarm signal when a landslide occurs.This invention can judge whether a landslide has occurred on the landslide surface through dual methods: observing whether there is colored liquid in the transparent box and displaying data.



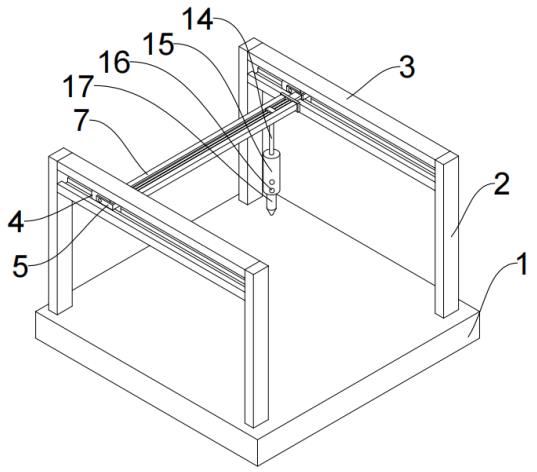
21: 2025/02274. 22: 2025/03/14. 43: 2025/09/18
51: H02B; H02K
71: NANNING COLLEGE OF TECHNOLOGY
72: YAO, Lei
54: MOISTURE PROOF STRUCTURE FOR ELECTRICAL AUTOMATION CONTROL CABINET
00: -

Disclosed is a moisture-proof structure for an electrical automation control cabinet, designed to protect internal components from moisture damage. The system consists of an air supply unit inside the cabinet and a moisture removal unit on its outer surface. Air is directed through a supply pipe to an air concentrator, ensuring efficient airflow within the cabinet. When activated, a motor drives a transmission component that rotates a screw rod, causing a movable block to shift the blowing component inside the cabinet. This movement enables air circulation from multiple angles, effectively preventing moisture accumulation in blind spots. By continuously removing moisture, the system enhances the reliability and lifespan of electrical components, reducing the risk of short circuits and malfunctions. This design significantly improves the durability of automation equipment, making it suitable for environments with high humidity. It ensures stable operation and long-term performance of electrical control cabinets in various industrial applications.



21: 2025/02284. 22: 2025/03/14. 43: 2025/09/18
51: B23K
71: CHUZHOU UNIVERSITY
72: LI, Lei
54: ELECTRONIC MECHANICAL COMPONENT WELDING EQUIPMENT
00: -

This invention discloses an electronic mechanical component welding device designed for precise and stable welding operations. It includes a welding pen body and a sliding rail system to facilitate controlled movement during welding. The first sliding rail houses a rotatable roller connected to a support frame, which is fixed to a sliding block. The support frame is also attached to a connecting block, a fixing plate, and a second sliding rail, allowing multidirectional movement of the welding pen. During operation, the welding pen body is suspended in mid-air, ensuring minimal interference while welding mechanical components. The roller, sliding block, and first sliding rail enable smooth longitudinal movement, while the second sliding rail allows precise lateral movement. This coordinated motion enhances the accuracy and efficiency of welding, reducing errors and ensuring high-quality welds. The device's design improves automation and consistency in welding electronic mechanical components, making it highly effective for industrial applications.

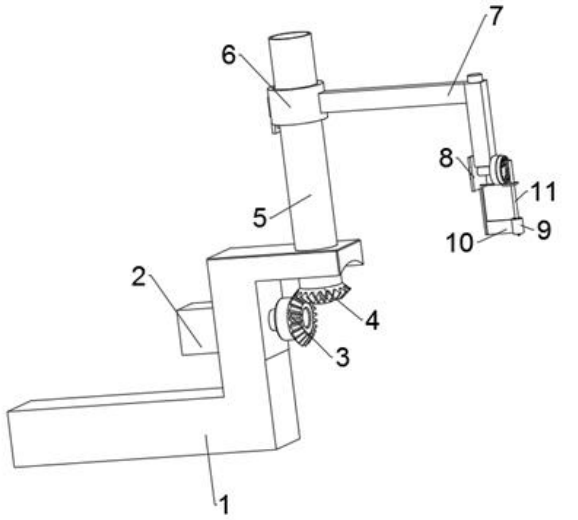


21: 2025/02285. 22: 2025/03/14. 43: 2025/09/19
51: A61F; A61M
71: YANSHI PEOPLE'S HOSPITAL OF LUOYANG CITY
72: LIU, Zhengguo
33: CN 31: 2024106392908 32: 2024-05-22

54: AUXILIARY EYE DROPPING EQUIPMENT

00: -

This invention relates to an auxiliary eye-dropping device designed to precisely control the amount of eye drops dispensed. It comprises a base, a first motor connected to a bevel gear system, and a screw rod linked to a fixed cylinder. A threaded sleeve, attached to a rotating ring, enables smooth movement. The rotating ring connects to a support rod, which holds an installation plate. A second motor on the installation plate drives a rotating spindle, which is fixed to a rotating circular plate. A fixed ring ensures stability. By controlling the movement of the rotating components, the device accurately dispenses eye drops, preventing waste and excessive use. This design improves efficiency and ensures precise application, making it especially useful for individuals who struggle with manual eye drop administration.

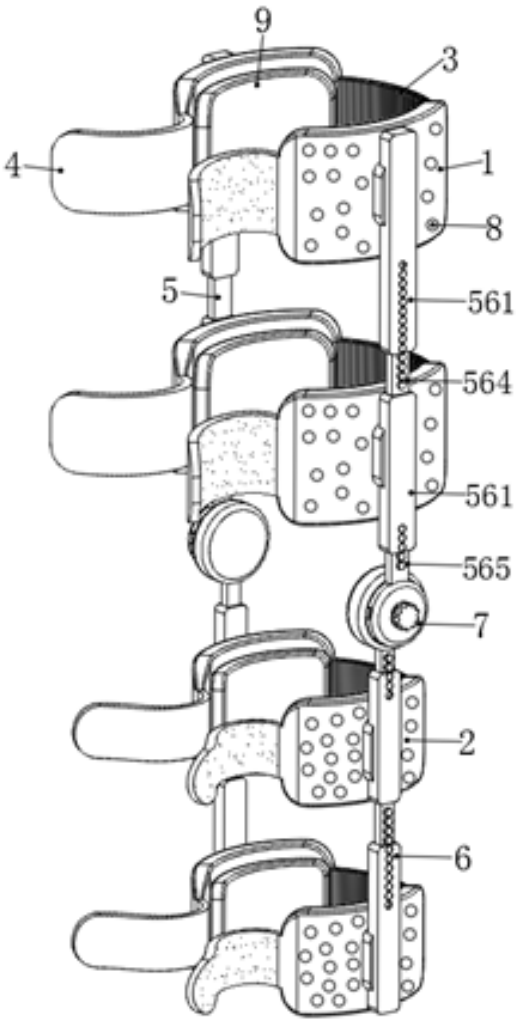


21: 2025/02286. 22: 2025/03/14. 43: 2025/09/19
51: A61F; A61G
71: QINGFENG COUNTY TRADITIONAL CHINESE MEDICINE HOSPITAL
72: GUAN, Wenju
33: CN 31: 2024111355773 32: 2024-08-19

54: LEG FIXATION DEVICE

00: -

This invention discloses a leg fixation device comprising two symmetrical sets of thigh and calf breathable side guards. Elastic connecting straps and adhesive straps are fixed between the opposite thigh and calf guards. Upper and lower adjustable brackets are arranged between adjacent thigh and calf guards, with an adjustable chuck between them. The device stabilizes the thigh and calf by keeping the upper and lower brackets parallel. The knee joint movement angle can be adjusted by rotating the knob, while pulling the connecting buckle allows bracket rotation, assisting knee movement. This design prevents secondary leg injuries by reducing the need for repeated disassembly.

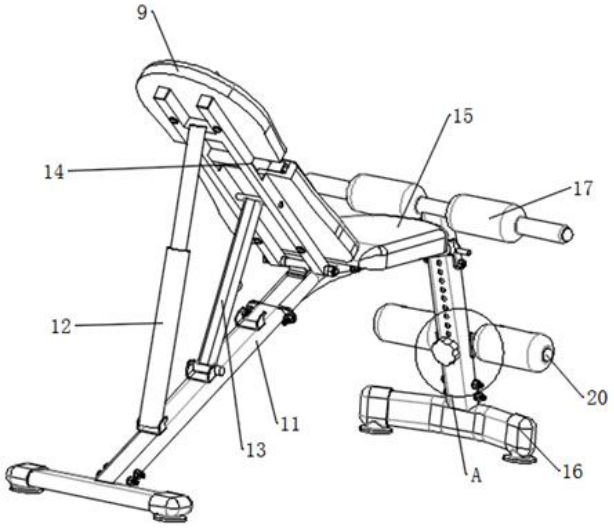


21: 2025/02288. 22: 2025/03/14. 43: 2025/09/19
51: A63B
71: EAST CHINA NORMAL UNIVERSITY
72: YANG, Xinrui

54: SIT-UP TRAINING DEVICE FOR SPORTS

00: -

This invention discloses a sit-up training device designed for sports training, offering an adjustable structure to accommodate users of different heights. It consists of a first upper cushion plate that houses an internal adjusting component, including a base plate, a driving motor, and a gear. The gear meshes with a rack belt, which is connected to a moving plate through a connecting component. A second upper cushion plate is fixed to the moving plate, allowing the device to expand or contract as needed. When the driving motor is activated, the gear drives the rack belt, which in turn moves the connecting component and the attached moving plate. This mechanism enables the length of the sit-up training device to be adjusted freely, ensuring an optimal fit for users of varying heights. By allowing proper contraction and extension of the abdominal muscles, the device enhances exercise effectiveness, improves user comfort, and maximizes workout efficiency.



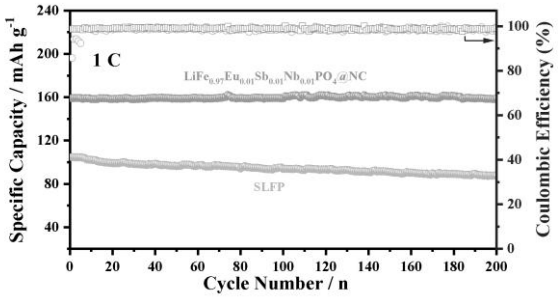
21: 2025/02289. 22: 2025/03/14. 43: 2025/09/19
51: C01B
71: Kunming University of Science and Technology
72: MENG Qi, LI Yuyun, DONG Peng, FAN Yi, SU Yongyou

54: METHOD FOR PREPARING EU-SB-NB FE SITE CO-DOPED AND N-DOPED C COATED MODIFIED REGENERATED WASTE FERROUS LITHIUM PHOSPHATE CATHODE MATERIAL

00: -

The invention provides a method for preparing Eu-Sb-Nb Fe site co-doped and N-doped C coated modified regenerated waste Ferrous lithium phosphate cathode material, includes following steps: discharging waste Ferrous lithium phosphate battery, separating cathode plate, ultrasonically drying to obtain waste Ferrous lithium phosphate cathode powder, and pretreating in a tube furnace with argon atmosphere at 500ºC to remove residual binder and electrolyte; mixing obtained waste Ferrous lithium phosphate cathode powder, lithium source, iron source, phosphorus source, europium source, antimony source and niobium source, according to the molar ratio of 1: 1-x-y-z: x: y: z: 1, where x = 0.01-0.05, y = 0.005-0.03 and z = 0.005-

0.05, transferring to a plasma ball mill, and performing plasma ball milling in nitrogen; roasting the mixed precursor in a tubular furnace, and finally obtaining the Eu-Sb-Nb Fe site co-doped and N-doped C coated modified regenerated waste Ferrous lithium phosphate cathode material. The regenerated Ferrous lithium phosphate cathode material obtained by the invention has uniform particles, high conductivity, excellent rate performance and good cycle stability. The method has simple process and is easy to popularize and apply.



21: 2025/02290. 22: 2025/03/14. 43: 2025/09/19
51: C12G
71: Shaanxi Institute of Microbiology
72: WANG Yan, WANG Hanping

54: PROCESSING METHOD FOR COMPREHENSIVELY UTILIZING APPLES WITH HIGH ADDED VALUE

00: -

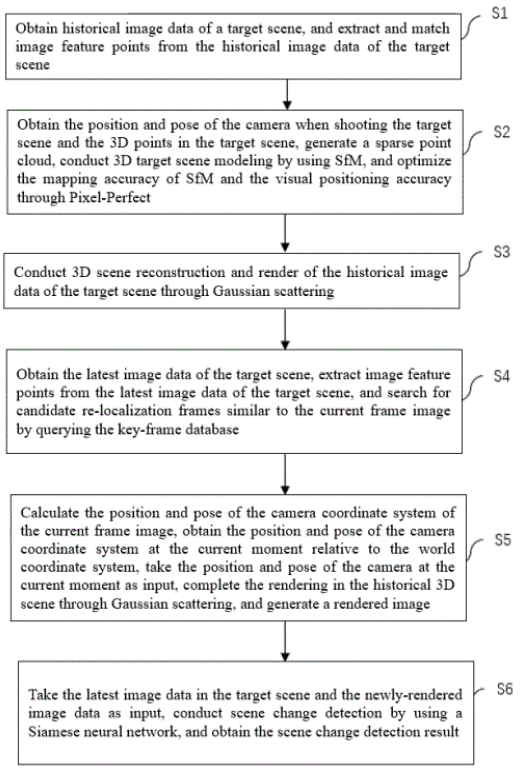
The invention discloses a processing method for comprehensively utilizing apples with high added value. According to the invention, a plurality of varieties of apples are separated into apple pulp, apple pomace, apple peel and apple seeds by using a cold crushing and pre-squeezing separation technology, and then low-foaming apple wine, apple vinegar beverage, apple dietary fiber slices and apple seed oil are jointly processed by an optimized high-value apple comprehensive processing method.The processing method has the remarkable characteristics of low processing cost, high added value of products, high comprehensive utilization rate, strong nutrition and health care function, large consumption market, no environmental pollution, strong operability and suitability for industrial production.

21: 2025/02291. 22: 2025/03/14. 43: 2025/09/19
51: H04N
71: Weijing Tianxia (Beijing) Technology Co., Ltd.
72: Wu Lei, Ning Yongqiang, Cheng Xiuchao

54: SCENE CHANGE DETECTION METHOD

00: -

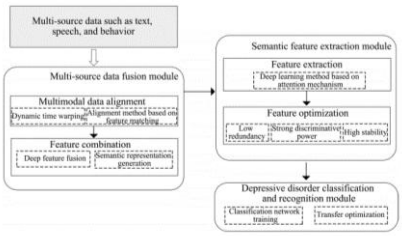
The present invention relates to the technical field of monitoring, and in particular to a scene change detection method. This method uses Gaussian scattering technology to perform three dimensions (3D) scene reconstruction on the reference image data. When new image data is obtained, through positioning technology, the position and pose of the camera in the reconstructed 3D scene are calculated, and the image at this position and pose is rendered. Then, the rendered image and the newly collected image data are input into a Siamese neural network for scene change detection. This solves the problem of large position and perspective changes in image data collected by vehicle-mounted or aerial photography at the same location at different times, as well as issues such as image correspondence, appearance changes, and occlusions, which lead to estimation errors.



21: 2025/02292. 22: 2025/03/14. 43: 2025/09/19

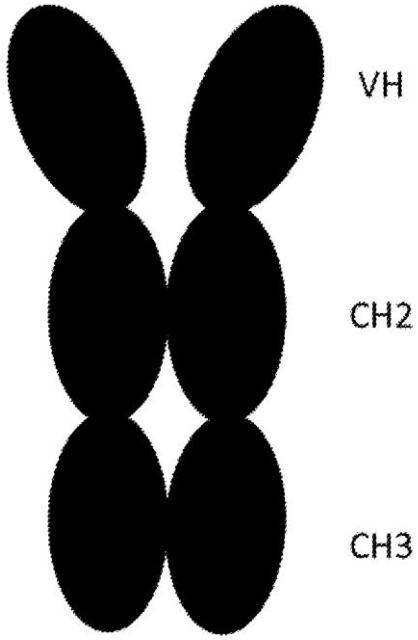
51: A61K
71: Shaanxi Institute of Microbiology
72: WANG Yan, WANG Hanping
54: CHINESE MEDICINAL COMPOSITION FOR TONIFYING THE SPLEEN AND BENEFITING THE STOMACH AND ITS PREPARATION METHOD
00: -
The present invention relates to the technical field of food, and in particular, to a Chinese medicinal composition for tonifying the spleen and benefiting the stomach and its preparation method. Specifically, it is prepared from the following components in parts by mass: 30 - 50 parts of enzymatically hydrolyzed apple pomace, 16 - 22 parts of hawthorn, 16 - 22 parts of papaya, 9 - 15 parts of dark plum, 9 - 15 parts of lotus seed, 12 - 16 parts of oat fiber powder, 10 - 16 parts of honey, 8 - 12 parts of chicken's gizzard - membrane, 8 - 12 parts of Codonopsis pilosula, 8 - 12 parts of Poria cocos, 4 - 8 parts of Atractylodes macrocephala, 2 - 3 parts of Pueraria lobata, 1 - 4 parts of Chinese yam, 5 - 9 parts of maltitol, and 90 - 100 parts of natural selenium - rich concentrated mineral water. The Chinese medicinal composition for tonifying the spleen and benefiting the stomach of the present invention has harmonious flavors, combines the functions of elimination and supplementation, and takes into account both the symptoms and the root causes. It may effectively improve symptoms such as spleen - stomach deficiency in patients. It may enable patients to quickly eliminate abdominal distension, restore normal urination and defecation, regain their appetite, significantly enhance their immunity and disease - resistance ability, and improve their physical condition.

21: 2025/02293. 22: 2025/03/14. 43: 2025/09/19
51: A61B
71: Henan University of Urban Construction
72: SHI, Chunlei, ZHANG, Fengyue, FAN, Yongfeng, ZHAO, Junmin, WEI, Xinhong, SU, Jingfeng, LI, Zhong, FENG, Qiaojuan, ZHOU, Erqiang, MENG, Qingjian, ZHANG, Jingpu, ZHANG, Fangfang, SHEN, Yunqin, XUE, Bing, ZHANG, Xiangjuan, GUO, Shuaiqi, LIU, Lian, YU, Jian, SONG, Hongyun, HE, Liran, MA, Jianyu
54: SEMANTIC REPRESENTATION-BASED AUXILIARY DIAGNOSTIC SYSTEM FOR DEPRESSIVE DISORDER
00: -
Disclosed is a semantic representation-based auxiliary diagnostic system for depressive disorder, which includes: a multi-source data fusion module, a semantic feature extraction module, and a depressive disorder classification and recognition module. The multi-source data fusion module is configured to integrate multimodal data such as text, speech, and behavior, and generate a unified semantic representation to ensure the information complementarity between the data. The semantic feature extraction module is configured to extract key features from the semantic representation based on a deep learning model, filter out highly discriminative features that are closely related to depressive disorder, and find out a potential biomarker for depressive disorder. The depressive disorder classification and recognition module is configured to construct a classification network based on extracted features, and enhance the generalization ability and diagnostic accuracy of the model across data centers through transfer learning.

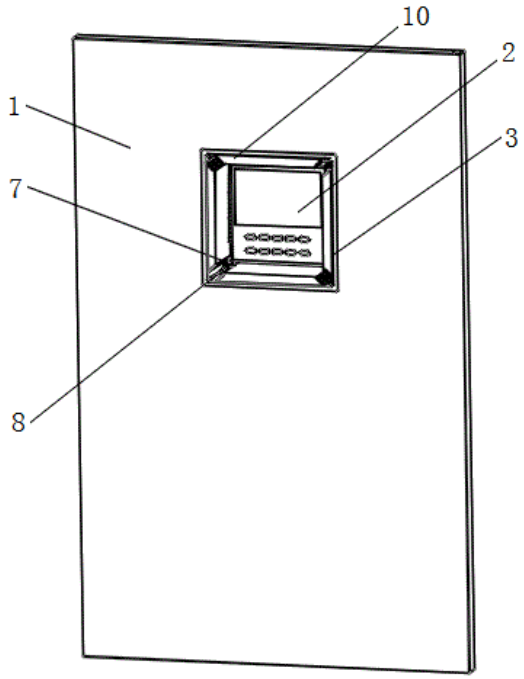


21: 2025/02295. 22: 2025/03/14. 43: 2025/09/19
51: A01K; C12N
71: BIOCYTOGEN PHARMACEUTICALS (BEIJING) CO., LTD.
72: HU, Yiqing, ZHANG, Qi, ZHANG, Lijun, ZHANG, Yabo, ZHAO, Huizhen, YAO, Jiawei, SHEN, Yuelei
33: CN 31: PCT/CN2022/119188 32: 2022-09-16
33: CN 31: PCT/CN2022/136246 32: 2022-12-02
54: GENETICALLY MODIFIED NON-HUMAN ANIMALS AND METHODS FOR PRODUCING HEAVY-CHAIN ANTIBODIES
00: -
The present disclosure relates to genetically modified animals and methods for producing heavy-chain antibodies. In one aspect, the genetically modified non-human animal comprises a modified immunoglobulin heavy chain locus, wherein the modified immunoglobulin heavy chain locus comprises an IgG constant region gene, wherein the IgG constant region gene encodes an IgG heavy

chain constant region lacking a CH1 domain, wherein the genetically modified non-human animal expresses a heavy-chain antibody. Also disclosed herein are anti-TFR1 antibodies, antigen-binding fragments, and the uses thereof.

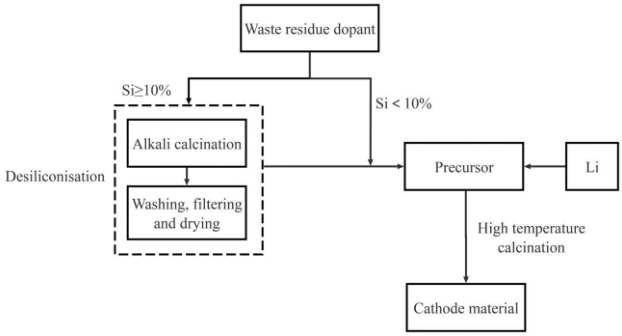


21: 2025/02301. 22: 2025/03/14. 43: 2025/10/07
51: H05K
71: JINLING INSTITUTE OF TECHNOLOGY, TIANJIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, NANJING VOCATIONAL COLLEGE OF INFORMATION TECHNOLOGY, TAIYUAN POWER SUPPLY COMPANY OF STATE GRID SHANXI ELECTRIC POWER COMPANY
72: Zhenfei GU, Gang SUN, Fan CHEN, Ben WANG, Wei YAO, Jiming YU, Yiying ZHANG, Dawei WANG, Baohong FENG
33: CN 31: 202411368544.3 32: 2024-09-29
54: PROTECTION DEVICE FOR SINGLE-CHIP MICROCOMPUTER IN ELECTRICAL EQUIPMENT
00: -
The present disclosure claims a protection device for single-chip microcomputer in electrical equipment, comprising a cabinet door and a single-chip microcomputer, wherein an outer protective frame plate is sleeved on the top inner side of the cabinet door, the single-chip microcomputer is completely stored inside the outer protective frame plate with open-structure front end; a transition connecting cleading plate and a U-shaped rod are arranged between the corner inner walls of the single-chip microcomputer and the outer protective frame plate. The outer protective frame plate, the folding jacking airbag, the air-blowing pump and the main air delivery pipe form a storage protection device; the transition connecting cleading plate and the U-shaped rod form a guide support assembly; they are combined with the single-chip microcomputer to store and protect the non-using single-chip microcomputer, automatically callout the single-chip microcomputer for use, providing peripheral protection of the single-chip microcomputer under multiple use states.



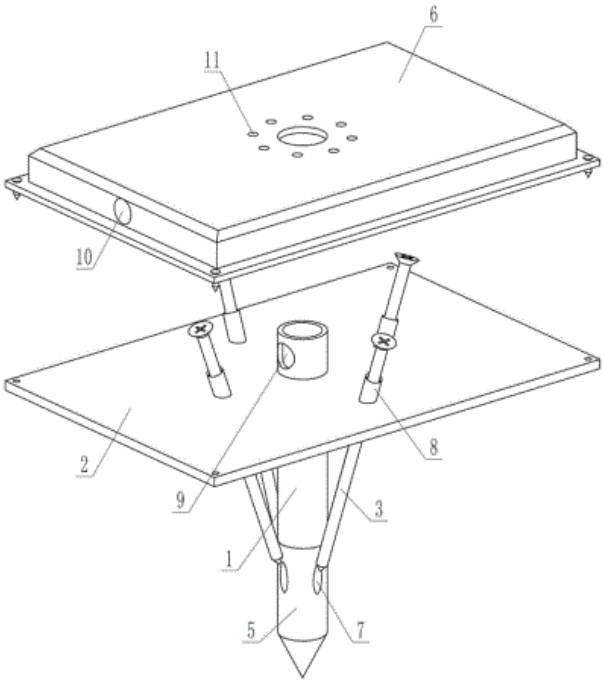
21: 2025/02327. 22: 2025/03/17. 43: 2025/10/07
51: H01M
71: Kunming University of Science and Technology
72: DONG Peng, LI Yuyun, MENG Qi, YU Hanjing
54: INDUSTRIAL WASTE RESIDUE HIGH-ENTROPY DOPED CATHODE MATERIAL AND ITS PREPARATION METHOD AND APPLICATION
00: -
The invention discloses an industrial waste residue high-entropy doped cathode material and its preparation method and application, belonging to the technical field of lithium-ion battery cathode materials. The preparation method of the industrial waste residue high-entropy doped cathode material

comprises the following steps: mixing industrial waste slag, a ternary cathode material precursor, and a lithium source, followed by two-stage calcination to obtain the industrial waste residue high-entropy doped cathode material; when the mass fraction of silicon in the industrial waste slag is greater than or equal to 10 percent, the method further includes pre-treating the industrial waste slag; the pre-treatment comprises: subjecting the industrial waste slag to alkali calcination. By adjusting the mass fraction of silicon in the industrial waste slag, the invention uses it as a dopant for lithium-ion battery cathode materials, providing a new direction for the recycling of industrial waste slag and improving the cycling stability of cathode materials, while significantly enhancing the cycling stability of the cathode materials.



21: 2025/02328. 22: 2025/03/17. 43: 2025/09/19
51: E04H
71: Zhengzhou University of Aeronautics
72: Xu Shuhong
54: A BASE FOR INSTALLING AIRPORT RUNWAY CURB LIGHTS
00: -

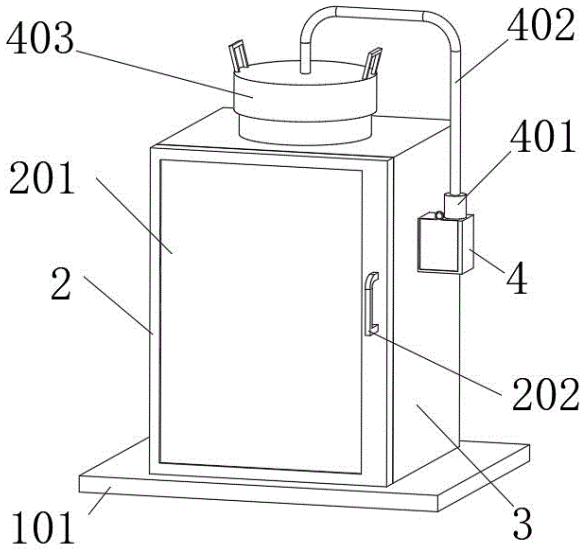
The present invention relates to an airport runway curb light installation base, which effectively solves the problem of easy loosening of the curb light fixing base and is not conducive to repeated disassembly and assembly; the technical solution includes a main nail and a base plate. The upper end of the main nail runs vertically through the center of the base plate, and the upper end of the main nail is connected to the base plate by threads. It also includes several side nails evenly distributed around the main nail, with a fixed angle between the side nails and the main nail. The base plate is provided with through holes corresponding to the side nails for the side nails to pass through. The lower end of the main nail is coaxially threaded with a sleeve. After the side nails are driven into the ground, the lower end of the side nail is inserted into the sleeve, which is made of hard plastic or hard rubber material. The sleeve also includes a top cover, which is covered on the base plate and fixed to the base plate by screws. The upper end of the side nail presses against the top cover, and the upper end of the; the fixing force of the present invention is much greater than that of traditional ground nails, and the fixing force will not decrease due to the damage of nail holes 7 when disassembled and reinstalled, which is conducive to repeated disassembly and installation.



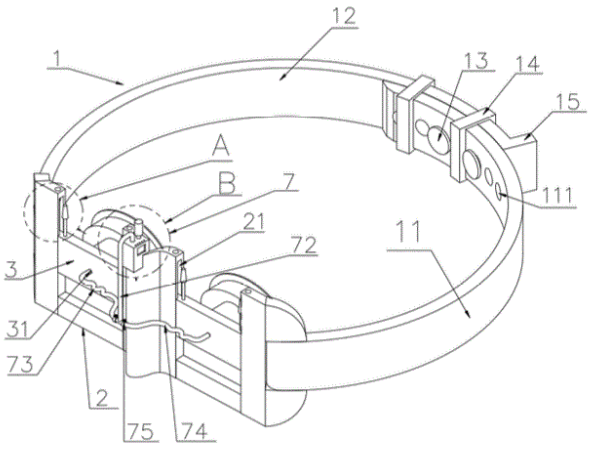
21: 2025/02329. 22: 2025/03/17. 43: 2025/09/19
51: G01N
71: Min jiang University
72: Zhao Guoyong, Fang Shimin
54: A SOIL DETECTION DEVICE AND SOIL DETECTION METHOD
00: -

This invention provides a soil detection device and soil detection method, related to the field of soil detection. The soil detection device includes a supporting base plate, and a soil detection box is installed on the upper side wall of the supporting base plate. The upper side wall of the soil detection box is fixedly connected to a connecting neck, and

the soil detection box is detachably connected to a sealing cover via the connecting neck. The right side wall of the soil detection box is fixedly connected to a liquid storage box, and the lower side wall of the soil detection box is fixedly connected to a feeding hopper. The lower side wall of the feeding hopper is fixedly connected to a crushing chamber, and the interior of the soil detection box, located outside the crushing chamber, is fixedly connected to a heating box. The interior of the crushing chamber is provided with a crushing cavity, and the rear inner wall of the crushing cavity is rotatably connected to a crushing frame. By the cooperation of the crushing frame, crushing rollers, and cleaning brushes, the soil can be uniformly crushed, while the cleaning brush removes any residual soil on the inner wall of the crushing cavity, avoiding sample cross-contamination and improving the accuracy of the detection.

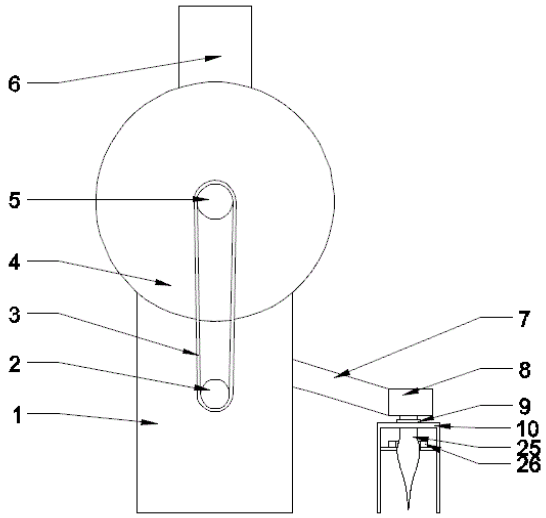


21: 2025/02330. 22: 2025/03/17. 43: 2025/09/19
51: A61F
71: QuZhou People's Hospital (The Central Hospital Of Qu Zhou)
72: Jiang Ligang, Tong Yuhua, Lu Wei, Zhang Meizhen, Tong Jingjing, Zhang Xinyue, Jiang Xin, Xu Ruixuan
54: AN OPHTHALMIC MEDICATION DEVICE FOR OPHTHALMIC DEPARTMENTS
00: -
The present invention discloses an ophthalmic medication device for ophthalmic departments, belonging to the technical field of ophthalmic treatment equipment, comprising: an adjustable wearing mechanism, a "mountain" shaped bracket, two mounting plates, and an atomization mechanism; Among them, the adjustable wearing mechanism comprises strap one and strap two connected by a buckle; The two ends of the "mountain" shaped bracket are respectively connected to the ends of strap one and strap two; The "mountain" shaped bracket is equipped with multiple sliding grooves; The two installation plates are respectively connected to the sliding groove through sliding; Both mounting plates are provided with fog guide holes, and the inner side of the mounting plate is connected to a connecting tube, which is connected to an atomizing eye socket; The atomization mechanism is connected to the "mountain" shaped bracket for nebulizing liquid drugs used for treating the eyes; This design can solve the shortcomings of traditional medication dispensing methods, reduce patients' fear, and meet the needs of single eye medication patients through detachable atomization devices separately set for the left and right eyes.



21: 2025/02331. 22: 2025/03/17. 43: 2025/09/19
51: B07B
71: Chongqing Wanbo Renewable Resources Utilization Co., Ltd.
72: WANG, Debo, YAO, Chuan, QIN, Zhigang
54: LAYERED CHARGING DEVICE FOR SECONDARY ZINC OXIDE PRODUCTION
00: -
The invention relates to the technical field of secondary zinc oxide production, in particular to a

layered charging device for secondary zinc oxide production, which comprises a vertical plate and a charging device, wherein one side of the vertical plate is fixedly connected with a conveying box, one side of the conveying box is fixedly connected with a feeding port, one end of the conveying box is fixedly connected with a driving mechanism, and one side of the conveying box is fixedly connected with a discharging device; a screening device is arranged in the conveying box; the screening device penetrates through the discharging device; and the vertical plate is rotatably connected with a transmission mechanism. The transmission mechanism is connected with the driving mechanism; the driving mechanism is matched with the screening device, and a dust removal device is arranged in the conveying box; the device can automatically classify and bag the granulated secondary zinc oxide, reduce the contact between workers and secondary zinc oxide, and avoid the harm to human body during manual bagging.

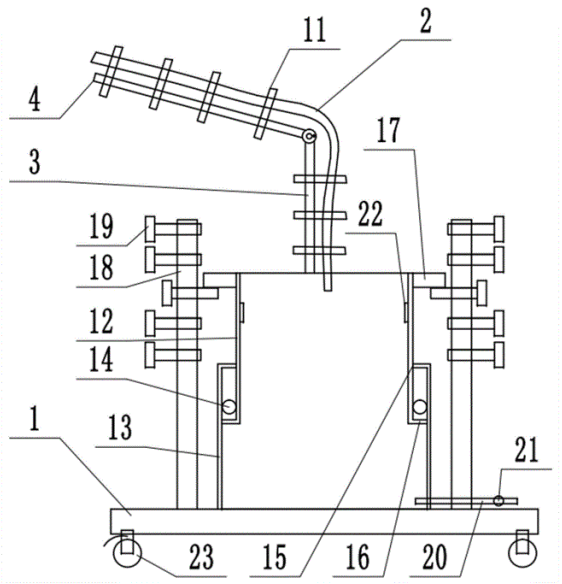


21: 2025/02332. 22: 2025/03/17. 43: 2025/09/19
51: A61M
71: THE FIRST AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU RESPIRATORY CENTER)
72: WANG, Guoying

54: UNIVERSAL EXTERNAL HEPATOBILIARY-PANCREATIC DRAINAGE DEVICE

00: -

The present invention discloses a universal external hepatobiliary-pancreatic drainage device, relates to the technical field of drainage, and includes a telescopic barrel, a base, a holding arm, and a drainage tube, the telescopic barrel is capable of holding drainage fluid, the telescopic barrel is capable of upwardly extending or downwardly shortening, the telescopic barrel is fixedly disposed on a top surface of the base, an end of the drainage tube extends into the interior of the telescopic barrel, and the drainage tube is fixedly connected to a top end of the telescopic barrel; the holding arm includes a lower arm, an upper arm, and a connection shaft, limit disk, a limit insert and a spring, the connection shaft hinges the bottom end of the upper arm to the limit disk, the limit insert passes through a second limit hole, the first end of the limit insert is able to extend into any one of the first limit holes, one end of the spring is fixedly connected to the second end of the limit insert, the other end of the spring is fixedly connected to the bottom end of the upper arm, and the spring is able to press the first end of the limit insert into any one of the first limit holes; the lower arm and theThe upper arm is provided with a number of fixation straps, and the fixation straps are capable of fixing the drainage tube to the lower arm and the upper arm ; the present invention is easy to use.

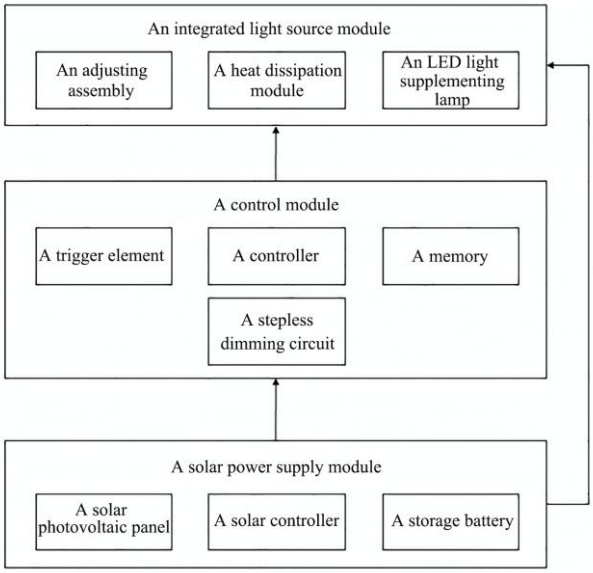


21: 2025/02333. 22: 2025/03/17. 43: 2025/09/19
51: H04N
71: Zhejiang Industry & Trade Vocational College
72: Gui Kai

54: VIDEO MONITORING LIGHT SUPPLEMENTING DEVICE FOR A HIGHWAY

00: -

The invention provides a video monitoring light supplementing device for a highway, and relates to the technical field of video monitoring. The video monitoring light supplementing device comprises an integrated light source module, a solar power supply module and a control module. The integrated light source module is configured to perform angle adjustment and brightness adjustment of the light according to the control signal output by the control module. The integrated light source module comprises a cover shell, an adjusting assembly, a heat dissipation module and an LED light supplementing lamp, the adjusting assembly is arranged in the cover shell, the heat dissipation module is arranged on the cover shell, the cover shell is used for protecting the internal assembly, the LED light supplementing lamp is mounted at the top end of the adjusting assembly, the adjusting assembly is responsible for adjusting the angle of the LED light supplementing lamp, and the heat dissipation module is used for driving the cooling fan to work according to the signal of the control module. The control module is configured to control opening and closing and brightness of the LED light supplementing lamp according to the trigger signal; and the solar power supply module is configured to supply power to the integrated light source module and the control module. According to the present invention, the light supplementing angle can be adjusted, and the brightness adjustment can be performed according to the ambient light, which is more energy-saving and intelligent.



21: 2025/02336. 22: 2025/03/17. 43: 2025/09/19

51: G06F

71: Mr. Sanjay Kumar Jena, Mr. Surendra Kumar Panda, Mrs. Milan Samantaray, Mrs. Rasmita Jena, Dr. Ram Chandra Barik

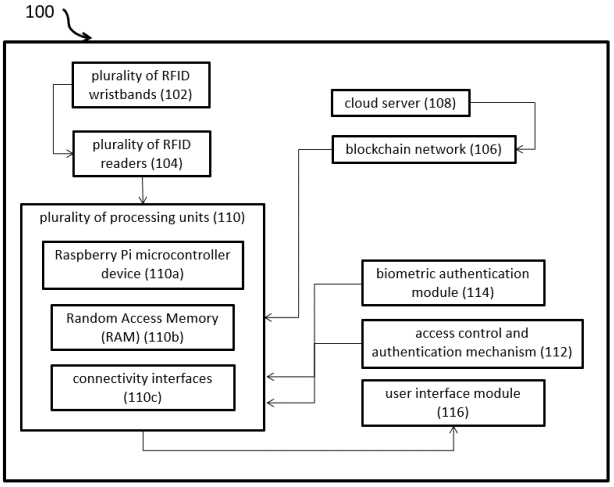
72: Mr. Sanjay Kumar Jena, Mr. Surendra Kumar Panda, Mrs. Milan Samantaray, Mrs. Rasmita Jena, Dr. Ram Chandra Barik

54: A BLOCKCHAIN-ENABLED RFID AUTHENTICATION SYSTEM FOR SECURE PATIENT IDENTITY AND ACCESS CONTROL IN HEALTHCARE ENVIRONMENTS, AND A METHOD THEREOF

00: -

The present invention relates to a blockchain-enabled RFID authentication system for secure patient identity and access control in healthcare environment, and a method thereof. This invention introduces a Hyperledger-based blockchain-enabled RFID authentication system for secure patient identity and access control in healthcare. The system integrates RFID technology, biometric verification, and blockchain smart contracts to ensure tamper-proof, decentralized digital identity management. Patients receive RFID-enabled wristbands, with their unique IDs and biometric data securely hashed and stored in the blockchain. Role-based access controls regulate permissions for doctors, nurses, and hospital staff, ensuring privacy and security. Immutable audit logs provide regulatory compliance, preventing data breaches. The system also enables cross-hospital identity verification, allowing seamless access to patient

records within a permissioned blockchain network. By eliminating manual authentication processes and reducing identity fraud risks, this decentralized and automated approach enhances security, efficiency, and patient data integrity across healthcare facilities.



21: 2025/02338. 22: 2025/03/17. 43: 2025/09/19
51: A01N; C05F
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES
72: LIU, Yan, SHEN, Qiu Yun, MA, Ai Ling, SHANG, Xue Yan, GAO, Jing, YUAN, Rui Xia, WANG, Deng Yun, DUAN, Rui, WANG, Xiao, GUO, Yun, LI, Xiao Jun, YAN, Hai Peng, WANG, Hui Zhen, WANG, Bin, A, La Ta, DAI, FangPing, WANG, Jing, LIU, Jun, LIU, Fang, SUO, Qing

54: ANIMAL-PLANT PROTEIN ORGANIC FERTILIZER FOR IMPROVING SOIL MICRO-ECOLOGICAL ENVIRONMENT AND PREPARATION AND USING METHODS THEREOF

00: -

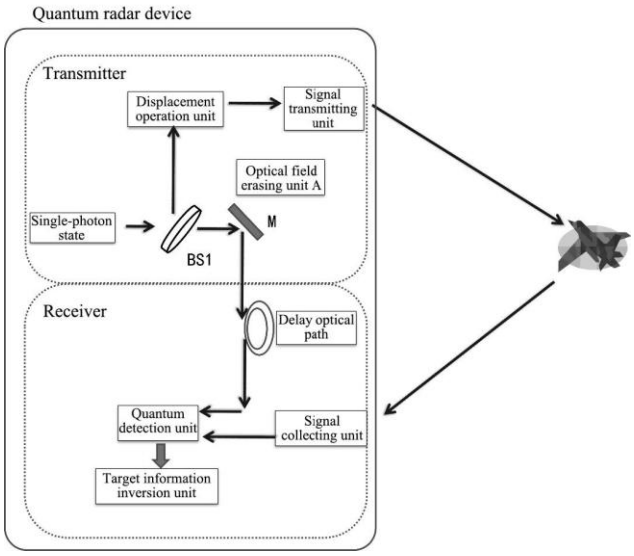
An animal-plant protein organic fertilizer for improving soil micro-ecological environment and preparation and using methods thereof are provided, belonging to the technical field of organic fertilizer. The animal-plant protein organic fertilizer for improving soil micro-ecological environment includes the following components: animal organic matter, discarded fungus stick, straw, soybean meal, tea stem, humic acid, cassava residue, chitosan, and compound microbial agent. According to the present invention, the animal organic matter is subjected to enzymatic hydrolysis, to obtain a digested mixture, and the digested mixture, discarded fungus sticks, straw, soybean meal, tea stems, cassava residue, and compound microbial agents are subjected to a primary fermentation, to obtain a primary fermentation mixture, finally, the primary fermentation mixture, chitosan and humic acid are subjected to a re-fermentation, filtration, concentration, and sterilization, to obtain the animal-plant protein organic fertilizer, which can increase the content of organic matter in the soil, improve the soil, provide the necessary nutrients for crop production, and increase the yield.

21: 2025/02339. 22: 2025/03/17. 43: 2025/09/19
51: G06Q
71: BEIJING INSTITUTE OF TECHNOLOGY
72: ZHANG, Shengli, ZHANG, Yunuo

54: QUANTUM RADAR EXPERIMENTAL DEVICE BASED ON MICRO-MACRO QUANTUM ENTANGLED STATE

00: -

The present invention belongs to technical field of target detection and identification, and discloses a quantum radar experimental device based on micro-macro quantum entangled state, comprising a transmitter and a receiver, which further comprises an optical beam splitter BS1 and a delay optical path; the transmitter comprises a single-photon source, a displacement operation unit, and a signal transmitting unit; the receiver comprises a signal collecting unit, a detection unit, and a target information inversion unit; the optical beam splitter BS1 is configured to split a single-photon state prepared by the single-photon source into two beams, and the delay optical path is configured to delay a signal sent by the transmitter and then transmit the signal to the receiver. The present invention effectively solves requirement of the existing quantum radar on a large number of quantum entangled states, and improves detection capability on dim and small target.

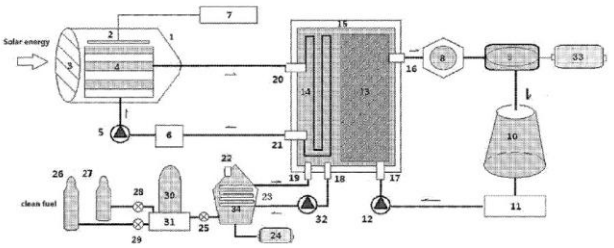


21: 2025/02340. 22: 2025/03/17. 43: 2025/09/19
51: F22B
71: KHOO, Benjamin
72: KHOO, Benjamin
33: US 31: 17/889,133 32: 2022-08-16

54: SOLAR THERMODYNAMIC POWER GENERATOR

00: -

A solar thermodynamic power generator includes: a quartz window placed on a metal shell to form an electromagnetic resonant cavity structure for receiving solar energy; a ceramic conduit placed in the metal shell, wherein a working medium is heated in the ceramic conduit by the solar energy; a heat exchanger placed in a vacuum insulation oil tank; a steam generator placed in the vacuum insulation oil tank; a ceramic heating tube placed in a combustion chamber; and a turbine communicating with the steam generator through a fifth pipeline and a sixth pipeline. The present invention is environmentally friendly, safe, low-cost, high-efficiency, pollu-tion-free, emission-free, and not affected by natural weather or environment. Like natural gas, the present invention can be configured to perform grid-connected power generation. Furthermore, after the hydrogen fuel and the hydrogen silicon fuel are mixed and burned, waste hydrogen can be recycled and reused.

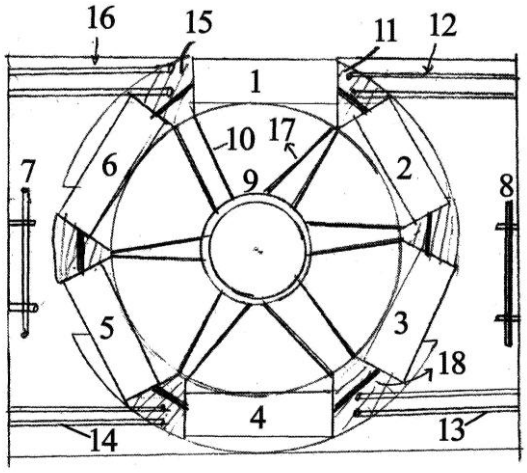


21: 2025/02341. 22: 2025/03/17. 43: 2025/09/19
51: A63B; E01C
71: PRIYADARSHI, Rakesh
72: PRIYADARSHI, Rakesh
33: IN 31: 202211010076 32: 2022-08-15
33: IN 31: 202311051846 32: 2023-08-02

54: EFFICIENT MULTI-PITCH CRICKET SYSTEM HAVING SUB-CYLINDRICAL BUFFER DROP-IN SUB-SOIL LAYER WITH ADVERTISING POTENTIAL

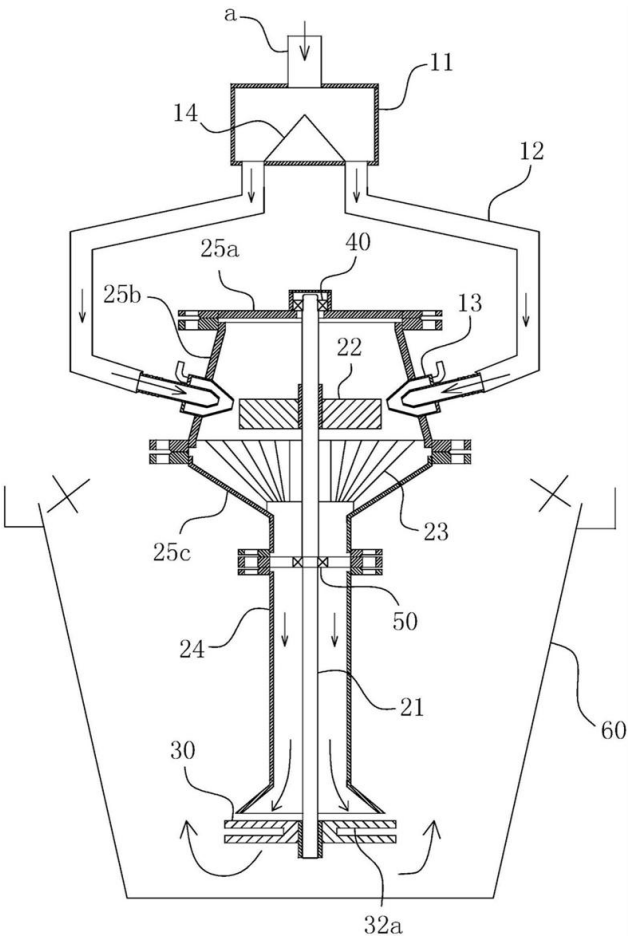
00: -

The innovative cricket pitch transformation system introduced in this invention revolutionizes the preparation and utilization of cricket pitches. Central to this system are Drop-in Pitch Trays (1-6), specialized platforms for holding cricket pitches, which are intricately connected to a Central Extreme Torque Motor (9) via Connecting Rods/Shafts (10, 17). This arrangement enables synchronized rotational motion of the trays. Sub-Cylindrical Buffer Drop-in Sub-Soil Layers (11, 15) enhance stability, while Automatic Abutment Piles (12, 13, 14, 16) provide robust anchoring. The system incorporates automatic shutters (7, 8) for pitch protection and an ingenious advertisement space (20) within the sub-soil layers and external walls having pillars for holding external abutment piles. The modular design accommodates different pitch configurations and dimensions, ensuring adaptability.



21: 2025/02345. 22: 2025/03/17. 43: 2025/09/19
51: C12N; C12Q; C12R
71: SHANGHAI BIOGERM MEDICAL TECHNOLOGY CO., LTD.
72: SHEN ZIMING, ZHAO BAIHUI, LI CHUNYAN, ZHANG CHUNLEI
33: CN 31: 202211182551.5 32: 2022-09-27
54: VIRUS NUCLEIC ACID SAMPLE DILUENT, VIRUS NUCLEIC ACID SAMPLE EXTRACTION KIT, AND VIRUS NUCLEIC ACID EXTRACTION METHOD
00: -
Provided are a virus nucleic acid sample diluent, a virus nucleic acid sample extraction kit, and a virus nucleic acid extraction method. The provided virus nucleic acid sample release agent can be compatible with various sampling sets. Meanwhile, the critical micelle concentration of a used surfactant is reduced to the maximum extent by means of adjusting the types and proportions of components. The lysis of a cell and a pathogen can be ensured, and the inhibitory effect on a subsequent detection system can also be reduced. Under the condition that an ion exchange resin is added, a protein and metal ions, such as calcium and magnesium ions, that affect a subsequent reaction can be adsorbed from a sample, and cell and virus lysis can also be promoted, such that the compatibility of the system is enhanced. The detection system has good compatibility, can be compatible with various qPCR detection systems at the same time, and can also be used for an isothermal RAA amplification system. The present invention is not only suitable for a liquid detection system, but also can be used for a dry powder detection system with a large sample volume.

21: 2025/02358. 22: 2025/03/17. 43: 2025/09/19
51: B03D
71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS
72: ZHU, Zaisheng, HONG, Tanfei, SHI, Weihui, SUN, Linzhi, LV, Meixian, SHEN, Guofu, SHAO, Mengkang, JIN, Yunjie, ZHU, Tonghuan, XU, Xin
54: A KIND OF FLOTATION EQUIPMENT WITH SLURRY SELF-DRIVING AND SELF-ABSORBING FUNCTIONS
00: -
The present invention relates to the field of flotation treatment of coal slurry adjusting slurry, and specifically relates to a kind of flotation equipment with slurry self-driving and self-absorbing functions. The present invention includes a flotation tank as well as a diverter assembly for realizing the function of jet mixing, a high-pressure jet assembly for realizing the function of turbulent mixing, and a lower mixing assembly for realizing the function of stirring and mixing. The present invention integrates the functions of slurry mixing and flotation, and has the advantages of low energy consumption, low maintenance, self-absorption, and good sorting effect, which can efficiently and controllably realize the demand for high-efficiency flotation of the slurry, and at the same time reduce the equipment investment in the preliminary stage of the coal beneficiation plant, so as to effectively reduce the actual cost of production of coal beneficiation plant.

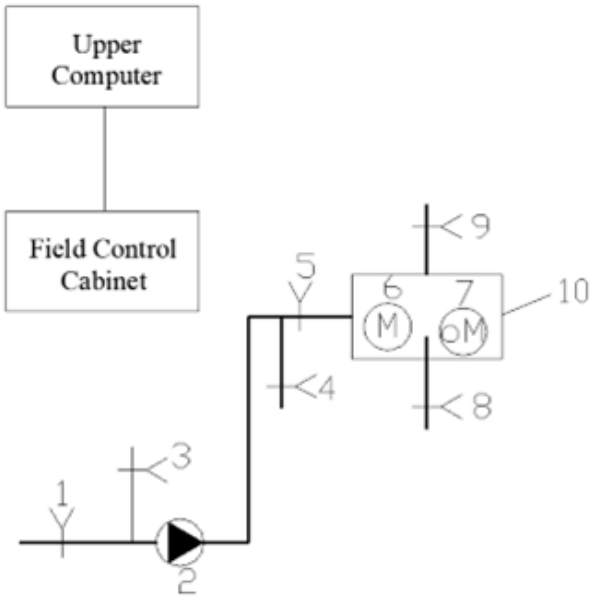


21: 2025/02359. 22: 2025/03/17. 43: 2025/09/19
51: B04B
71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS
72: ZHU, Zaisheng, WANG, Zhijun, WU, Chanti, WANG, Le, PAN, Xiaojie, CHEN, Junke, SHAO, Shenglai, CHEN, Jiadian

54: AUTOMATIC START-STOP SYSTEM AND METHOD FOR SCREEN SEDIMENTATION AND FILTRATION CENTRIFUGES

00: -

The present invention discloses an automatic start-stop system and method for screen bowl centrifuge, and relates to the field of coal mine technology. The present invention includes a pre-pump feed valve, a feed pump, a pump pre-dilution water valve, a discharge valve, a feed valve, a main motor, an oil pump motor, an inner rinse water valve, an outer rinse water valve, and a screen bowl centrifuge. The advantage of the invention is: the feed pump and screen bowl centrifuge into one, through the related electric gate valve into the centralized control, and then construct the screen bowl centrifuge of one key automatic start-stop system, so as to achieve a higher degree of automation.

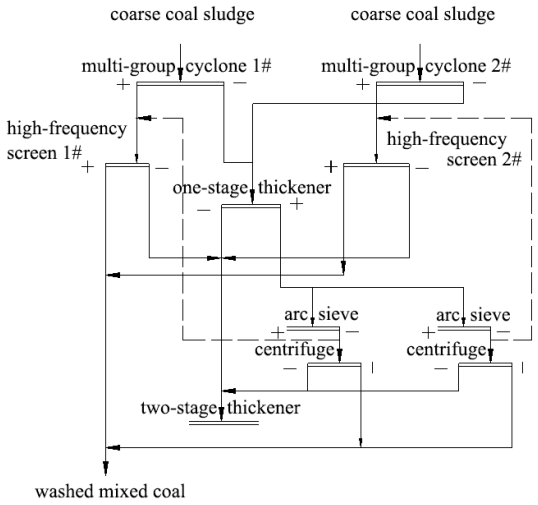


21: 2025/02360. 22: 2025/03/17. 43: 2025/09/19
51: B03D
71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS
72: ZHU, Zaisheng, WU, Chanti, WANG, Jing, GUO, Lixiao, ZHAO, Min, GUAN, Meijing, GU, Tianle, ZHU, Kejin

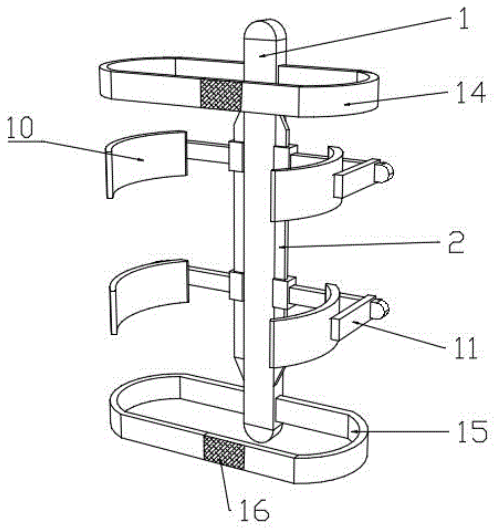
54: A THICKENER UNDERFLOW COARSE COAL SLUDGE RECOVERY SYSTEM

00: -

The present invention discloses a thickener underflow coarse coal sludge recovery system, characterized in that it includes coarse coal sludge, a multi-group cyclone, a centrifuge, an arc sieve, a high-frequency sieve, a one-stage thickener, and a two-stage thickener, the coarse coal sludge is graded by the multi-group cyclone, and the underflow enters the high frequency screen and the overflow enters the one-stage thickener, the bottom stream of one section thickener enters the arc screen, the underflow of the arc screen enters the centrifuge for separation. The present invention makes full use of the advantage of high dewatering efficiency of high-frequency screen, and when the load of centrifuge is low, the bottom stream of one section of thickener is treated with high-frequency screen, and the economic benefit is considerable.

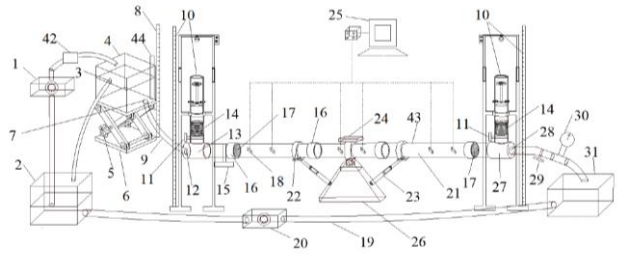


21: 2025/02362. 22: 2025/03/18. 43: 2025/09/22
51: A61F
71: LINYI UNIVERSITY
72: DING Huanxiang, SHI Zebin, CHEN Kuiyu
54: CORRECTION DEVICE FOR PREVENTING ADOLESCENT SCOLIOSIS
00: -
The invention relates to the technical field of correction devices, and discloses a correction device for preventing adolescent scoliosis, which includes a support backplate, where a through slot is formed on the support backboard; an adjustment component is slidably installed in the through slot and fixed by a first bolt; a fixing component is installed on the adjusting piece and can slide along the adjusting piece; a first fixing belt and a second fixing belt, where the first fixing belt and the second fixing belt both penetrate through the support backplate, and the movable ends of the first fixing belt and the second fixing belt are fixed by a velcro. The support backplate is connected with the adjustment component in a sliding way, and the adjustment component is connected with a fixing component in a sliding way, the fixing component can realize the adjustment in the horizontal direction and the vertical direction, which is convenient for teenagers with different body types to wear, and has higher applicability. The first fixing belt and the second fixing belt can firmly fix the device on the back of teenagers, so that the device can play a good correction effect.

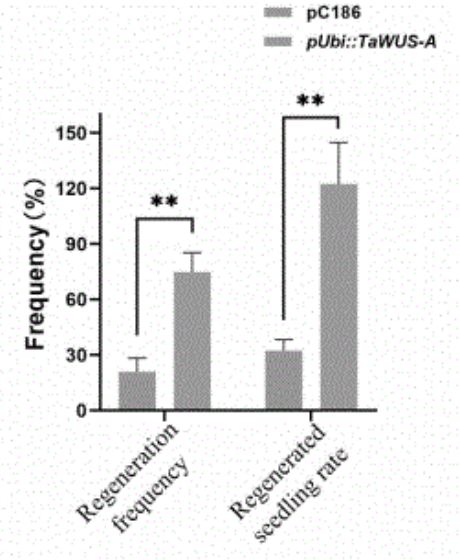


21: 2025/02364. 22: 2025/03/18. 43: 2025/09/22
51: G01N
71: Key Laboratory of Xinjiang Coal Resources Green Mining (Xinjiang Institute of Engineering), Ministry of Education, North China University of Water Resources and Electric Power, Xinjiang Engineering Research Center of Green Intelligent Coal Mining, Xinjiang Institute of Engineering, Henan Province Airport Group
72: WANG, Wenxue, MA, Liqiang, ZHENG, Kaidan, ZHAO, Shuli, LIANG, Yankun, XIANG, Jingjing
54: SYSTEM FOR MEASURING WATER PRESSURE TRANSMISSION RATE OF CONFINED AQUIFER
00: -
Disclosed is a system for measuring a water pressure transmission rate of a confined aquifer. The system includes a stratum simulation system, a continuous pressurization system, a water circulation system, a temperature regulation system, two pulse pressurization systems, an angle adjustment system, a water flow regulation system and a monitoring system. The stratum simulation system includes a seepage pipe covered with a heat insulation layer, and a permeation medium. The continuous pressurization system applies continuous water pressure to a water inlet end, and the water circulation system returns water flowing from a water outlet end to the continuous pressurization system. The temperature regulation system regulates water supply temperature, and the two pulse pressurization systems apply pulse water pressure to the water inlet end and the water outlet end separately. The water flow regulation system

includes a water supply port valve, a water outlet valve and a flowmeter.

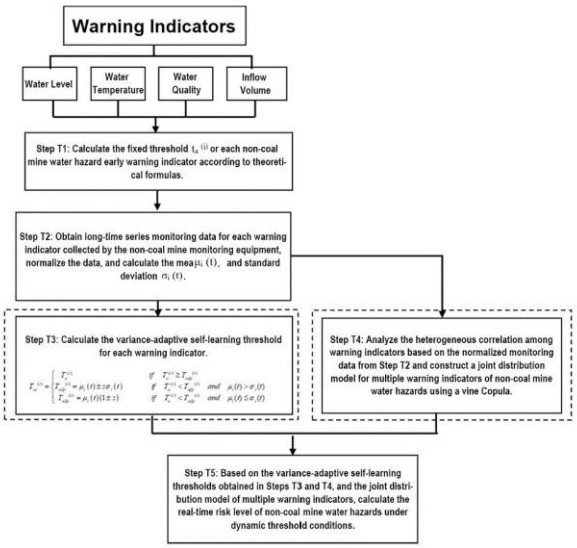


21: 2025/02365. 22: 2025/03/18. 43: 2025/09/22
51: C12N
71: Shandong Agricultural University
72: SU, Yinghua, YU, Haixia, WANG, Yipeng, YANG, Lei, YAN, Shizhe, WANG, Xinyu, ZHANG, Xiang, WAN, Xinyan, WANG, Yankai
33: CN 31: 202411164750.2 32: 2024-08-23
54: APPLICATION OF WHEAT GENE TAWUS-A IN IMPROVEMENT ON REGENERATION EFFICIENCY OF IMMATURE EMBRYOS OF WHEAT
00: -
Disclosed in the present invention is an application of a wheat gene TaWUS-A in improvement on regeneration efficiency of immature embryos of wheat, which belongs to the technical field of genetic engineering of plants. According to the present invention, a new wheat regeneration-related gene TaWUS-A is discovered from a WOX family of the wheat, and over-expression of the gene TaWUS-A can improve the regeneration efficiency of the immature embryos of the wheat and promote functional genomics and transgenic breeding research of the wheat, such that overexpressing the gene and applying the gene to backbone germplasm difficult to regenerate have important economic value and social benefits for improving genetic transformation efficiency of the wheat and further improving a yield and quality of the wheat.



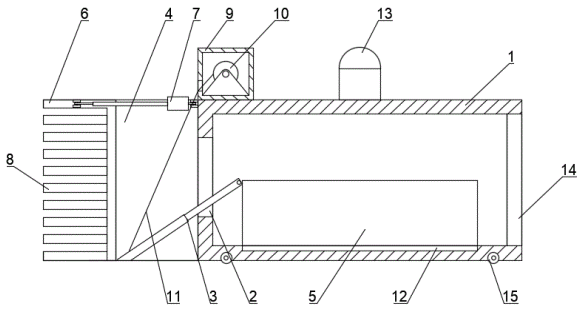
21: 2025/02367. 22: 2025/03/18. 43: 2025/09/22
51: G08B
71: Changsha Institute of Mining Research, Co., Ltd
72: Shiping Xie, Zhu Yang, Lei Xu, Weigong Yi, Chengmin Zhu, Chao Gao
33: CN 31: 202410648910.4 32: 2024-05-23
54: A DYNAMIC RISK ASSESSMENT METHOD FOR WATER HAZARDS IN NON-COAL MINES WITH SELF-LEARNING EARLY WARNING THRESHOLDS
00: -
A dynamic risk assessment method for water hazards in non-coal mines with self-learning early warning thresholds, including: obtaining the fixed threshold for each non-coal mine water hazard warning indicator; calculating the mean and standard deviation of the warning indicators; calculating the self-learning threshold for each warning indicator based on the mean and standard deviation of the warning indicators; determining the variance adaptive self-learning threshold for each warning indicator based on its self-learning threshold and fixed threshold; constructing a joint distribution model for multiple warning indicators of non-coal mine water hazards; and, based on the variance adaptive self-learning threshold and the joint distribution model of multiple warning indicators, calculating the real-time risk level of non-coal mine water hazards when the warning indicators take dynamic thresholds. This invention solves the problem of false positives and missed reports caused by the inability of the traditional fixed threshold method to adapt to changes in the mine

environment and also overcomes the missed reporting issue caused by high variance effects due to missing monitoring data, providing a more accurate and scientific service for non-coal mine water hazard warning.



21: 2025/02369. 22: 2025/03/18. 43: 2025/09/22
51: A63B
71: LINYI UNIVERSITY
72: SHI Jinzheng, WANG Jingshuo, ZHU Fuying, CHEN Qingjie
54: TENNIS COLLECTION DEVICE FOR TENNIS COURT
00: -

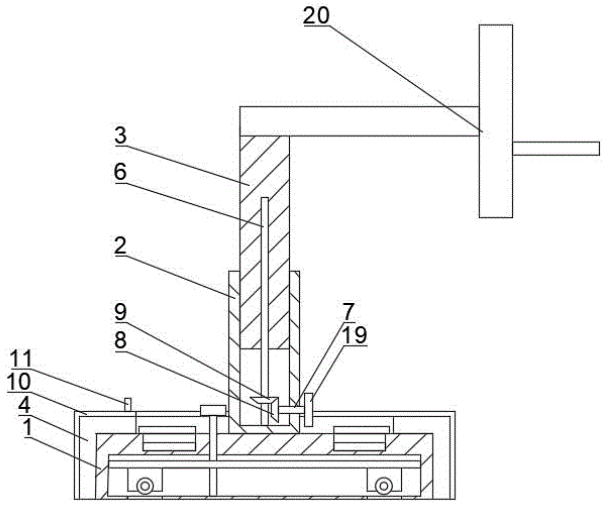
The present invention relates to the field of tennis recovery technology, and discloses a tennis collection device for a tennis court. The device includes a collection vehicle body, with a collection port opened at the front end of the collection vehicle body. A collection plate is hinged inside the collection port. The collection component includes two side plates and two blocking members. The two side plates are fixedly connected to both sides of the collection port, and the two blocking members are respectively arranged on the side plates. When the two blocking members are merged, they block the front end of the collection plate. The lifting component includes two lifting members, which are respectively arranged on both sides of the top end of the collection vehicle body. The two lifting members are respectively connected to both sides of the top end of the collection plate, and the lifting members are used to control the rotation of the collection plate around the hinge point. A monitoring member is arranged inside the collection vehicle body, and a collection box is placed inside the collection vehicle body. The monitoring member is used to monitor the weight of the collection box. The invention realizes the collection of tennis balls, ensures stable collection of tennis balls, and can monitor the collection volume, facilitating timely replacement of the collection box and improving overall collection efficiency.



21: 2025/02370. 22: 2025/03/18. 43: 2025/09/22
51: A63B
71: LINYI UNIVERSITY
72: WANG Xueqin, LIU Jiongyuan, ZHANG Yinghui
54: TODDLERHOOD BASKETBALL HOOP FOR PHYSICAL EDUCATION
00: -

The invention relates to the technical field of toddler sports equipment, and specifically discloses a toddlerhood basketball hoop for physical education. It includes a base, with a support tube fixedly connected to the top of the base. A support rod is slidably connected inside the support tube through a lifting member, and a basketball board is fixedly connected to the top of the support rod. It also includes a protection component, which consists of a protective cover and a buffer layer. The protective cover is fixedly sleeved on the base, and the buffer layer is arranged on the protective cover. There is a moving component including a storage member and several moving members. A cavity is provided inside the base, the storage member is arranged in the cavity, and several through holes are opened at the bottom end of the base. The several moving members are respectively connected to the storage member, and the bottom ends of the moving members extend out of the base through the through holes. Additionally, a stabilizing component includes

several stabilizing members, which are respectively arranged inside the base. This invention is convenient for adjusting the height and weight, adapting to toddlers of different ages.It is easy to move and ensures stability when stationary, avoiding toddlers from getting bumped and injured, and improving safety.

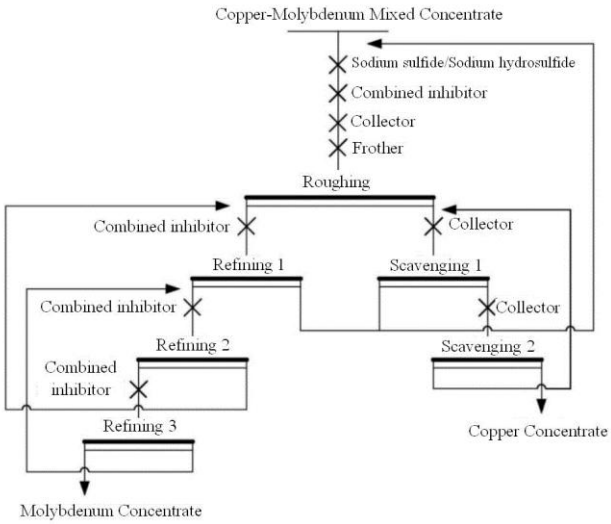


21: 2025/02371. 22: 2025/03/18. 43: 2025/10/07
51: B03D
71: Central South University
72: JIANG Feng, TANG Honghu
33: CN 31: 202410317188.6 32: 2024-03-20

54: APPLICATION OF COMBINED INHIBITOR IN THE FLOTATION SEPARATION OF COPPER-MOLYBDENUM MIXED CONCENTRATE

00: -

The invention relates to the field of mineral flotation reagents, specifically to the application of a combined inhibitor in the flotation separation of copper-molybdenum mixed concentrate. The invention first adds sodium sulfide/sodium hydrosulfide to remove reagents from the copper-molybdenum mixed concentrate; then adds a combined inhibitor to suppress chalcopyrite; followed by adding a collector and frother to obtain copper-molybdenum concentrate and copper-molybdenum tailings through roughing, the copper-molybdenum concentrate is further refined to obtain molybdenum concentrate, and the copper-molybdenum tailings are scavenged to obtain copper concentrate. The combined inhibitor consists of oxalyl dihydrazide and thiol benzoic acid organic compounds, with a total dosage of 0.5~8 kg/t per ton of copper-molybdenum mixed concentrate during roughing. The invention effectively improves the efficiency of copper-molybdenum flotation separation, reduces the dosage of inhibitors, and has the advantages of being green, efficient, environmentally friendly, and highly applicable, enabl ing efficient separation of copper-molybdenummixed concentrate.

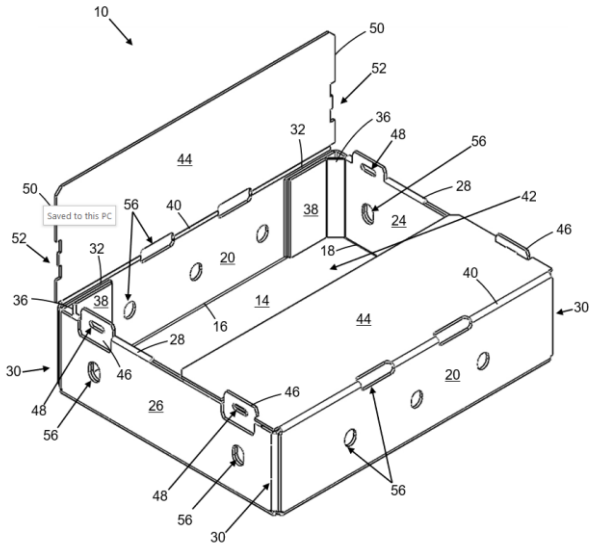


21: 2025/02372. 22: 2025/03/18. 43: 2025/09/22
51: B65D
71: APL Cartons (Pty) Ltd
72: KLEINHANS, Frederick

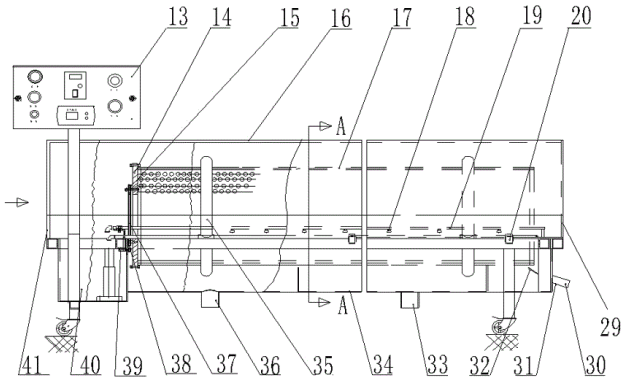
54: A CONTAINER AND A LOCKING MECHANISM FOR A CONTAINER

00: -

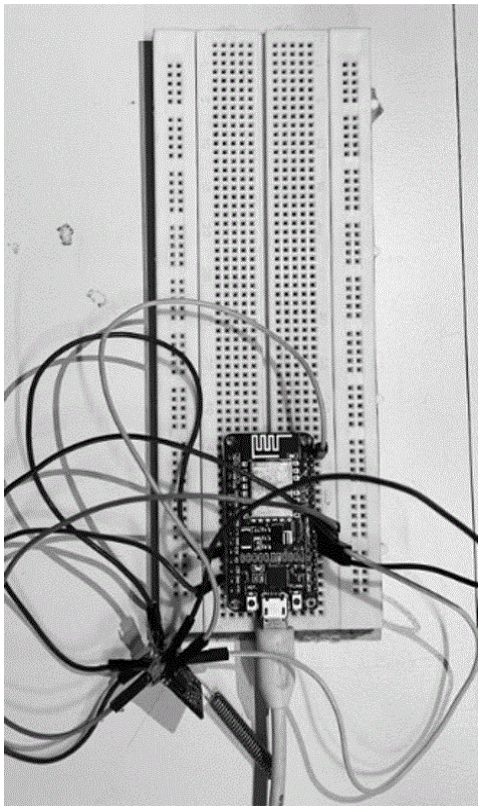
A container (10,11) is erected from a blank (12,13), has a floor (14) and four walls (20,22) that meet at four corners (30). The container (10,11) has a stacking formation (46) that protrudes from one of the side walls (20,22) and the stacking formation (46) defines a recess (48). The container (10,11) also has a closure element (44,45) that has at least one locking protuberance (52) which can be received in recess (48) to secure the closure element (44,45) in a closed position.



21: 2025/02374. 22: 2025/03/18. 43: 2025/09/26
51: C12M
71: Gansu Kaiyuan Biotechnology Development Center Co., Ltd
72: YANG Shenghui, LUO Guanghong, LIU Haiyan, WANG Lijuan, WANG Danxia, WU Songhong, CAO Hai
33: CN 31: 2024103423995 32: 2024-03-25
54: MOBILE HARVESTING MACHINE FOR FRESH SPIRULINA
00: -
The invention provides a mobile harvesting machine for fresh Spirulina, which belongs to the field of Spirulina harvesting, and is used for solving the problems that when harvesting fresh Spirulina with a three-dimensional pipeline, a large amount of Spirulina culture solution can not be completely and continuously processed, cleaning and disinfection after production are time-consuming and labor-consuming, the production efficiency is low, the production cost is high, and the quality index of Spirulina during harvesting can not be randomly monitored and adjusted. The movable harvesting machine for fresh Spirulina comprises a frame and a lifting roller screen frame, wherein the frame is hinged with the lifting roller screen frame; a roller screen is arranged in the lifting roller screen frame; one side of the roller screen is provided with a transmission sprocket; the transmission sprocket, a driving chain, a motor sprocket and a speed regulating motor form power transmission; the lifting roller screen frame is provided with a disinfectant input pipe, a Spirulina liquid pipe and a Spirulina cleaning pipe; the bottom of the frame is provided with a liquid return bin; and the bottom of the liquid return bin is provided with a Spirulina liquid recovery pipe and a drainage pipe. This technology can effectively improve the production efficiency and save the production cost.



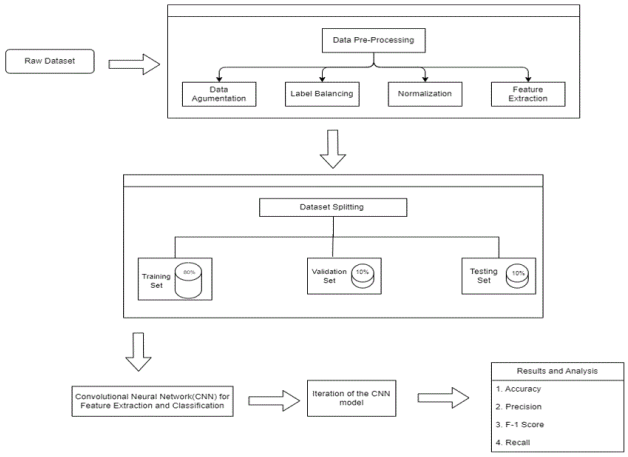
21: 2025/02375. 22: 2025/03/18. 43: 2025/10/07
51: G05B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PAWAR, Shital, WYAWAHARE, Medha, NIKOSE, Mayank, SUPEKAR, Nikita
54: A SMART POWER CONTROL AND MONITORING SYSTEM USING LORA
00: -
The present invention relates to a smart power control and monitoring system using LoRa. The proposed system utilizes LoRa technology to enable efficient, long-range communication between non-internet and internet-connected zones. In the non-internet zone, LoRa nodes equipped with sensors collect voltage and current data from electronic appliances and wirelessly transmit it to a LoRa gateway situated in the internet-connected zone. The gateway processes and uploads this data to a cloud platform for storage and analysis. Control mechanisms, such as relays or smart switches, allow remote appliance management via the LoRa network. The cloud-based-analytics provide insights into energy consumption and appliance health, accessible through a user-friendly web or mobile app interface. This system supports remote monitoring, energy optimization, and preventive maintenance, delivering alerts to enhance appliance reliability and efficiency.



21: 2025/02376. 22: 2025/03/18. 43: 2025/10/07
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KOLLA, Ashita Chandrashekhar, TAKALE, Dattatray G., MAHALLE, Parikshit N., DESHMUKH, Gopal, SULE, Bipin

54: A DEEP LEARNING BASED SYSTEM FOR MITIGATING ALGORITHMIC BIAS IN FACIAL RECOGNITION TECHNOLOGY

00: -
The present invention is related to a deep learning based system for mitigating algorithmic bias in facial recognition technology. By using deep learning models, the exact model of choice is the one with the specifics of Convolutional Neural Networks (CNN), applying adversarial training techniques to reduce bias within the facial recognition algorithm. The system extracts facial features from an input image and performs bias detection and mitigation for sensitive attributes such as race, gender, or hairstyle. The model iteratively updates weights based on fairness metrics to ensure accurate, bias-free performance by all demographic groups through iterative training cycles. The approach also involves additional pre-processing steps for input images to bring them onto a standard platform that meets the predefined criteria for fairness in post-processing evaluation. The new invention eliminates existing biases in facial recognition systems. It improves the accuracy, fairness, and applicability of AI-based identification systems in different industries, including security, law enforcement, and identity verification.



21: 2025/02377. 22: 2025/03/18. 43: 2025/10/07
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAHATE, Sneha Manoj, GORNAR, Sachin Sitaram, MAHALLE, Parikshit Narendra, WANKHADE, Shalini Vaibhav, HUJARE, Pravin

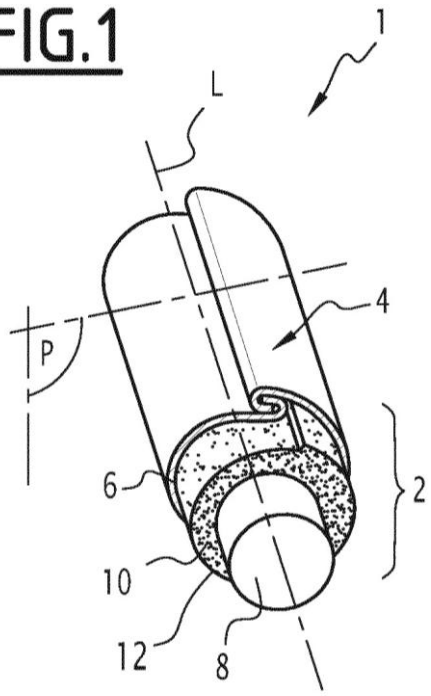
54: A WEB-BASED SYSTEM FOR FACILITATING AUTOMATED AGRICULTURAL SERVICES AND MARKET ANALYTICS FOR FARMERS

00: -
The present invention is related to a web-based system for facilitating automated agricultural services and market analytics for farmer. The invention is a comprehensive, user-friendly website designed to empower farmers by centralizing essential agricultural resources and tools. The platform offers a variety of features, including access to detailed government schemes with tutorials and voice assistance, real-time location and inventory information from nearby agricultural service centers (Krishi Kendras), and market analysis to help farmers make informed decisions about selling their products. It also facilitates labor assistance by connecting farmers with available workers, provides crop disease detection and fertilizer recommendations using deep learning, and enables the rental of farming equipment. Designed for ease

of use on multiple devices, the platform supports farmers of all literacy and technological skill levels, promoting efficiency, sustainability, and increased productivity in farming practices.

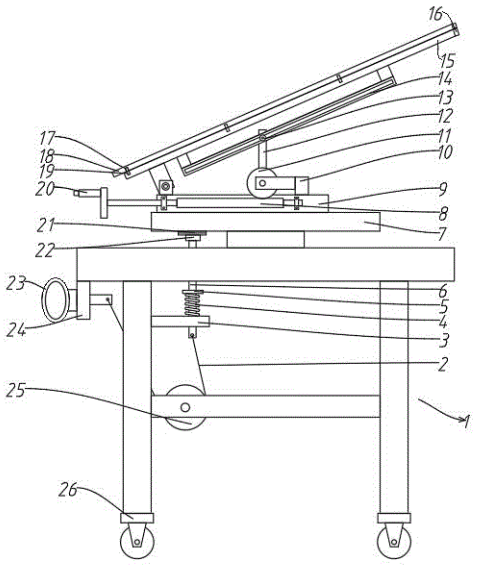
21: 2025/02380. 22: 2025/03/18. 43: 2025/09/22
51: C21C
71: AFFIVAL
72: CARRÉ, Alexandre-Raynald Claude, CASTRO CEDEÑO, Edgar Ivan, SCHATZ, Marc, BAHUON, Olivier, Noel
33: FR 31: FR2209629 32: 2022-09-22
54: CALCIUM-BASED FLUX-CORED WIRE FOR METALLURGICAL TREATMENT OF A METAL BATH AND CORRESPONDING METHOD
00: -
Cored wire (1) intended to be introduced into a bath of molten metal to perform a metallurgical treatment, the cored wire comprising a core (2) extending locally along a longitudinal axis (L), and an outer casing (4) extending longitudinally around the core, the core including: - an extruded bar (8) mainly containing calcium, - an intermediate layer (10) extending longitudinally between the extruded bar and the outer casing, the intermediate layer comprising a powder containing one or more of: a metal, a mixture of metals, a metal oxide, a mixture of metal oxides. The powder contains at least 10% by mass of lime aluminate, the lime aluminate containing at least the dodecacalcium hepta-aluminate phase.

FIG.1

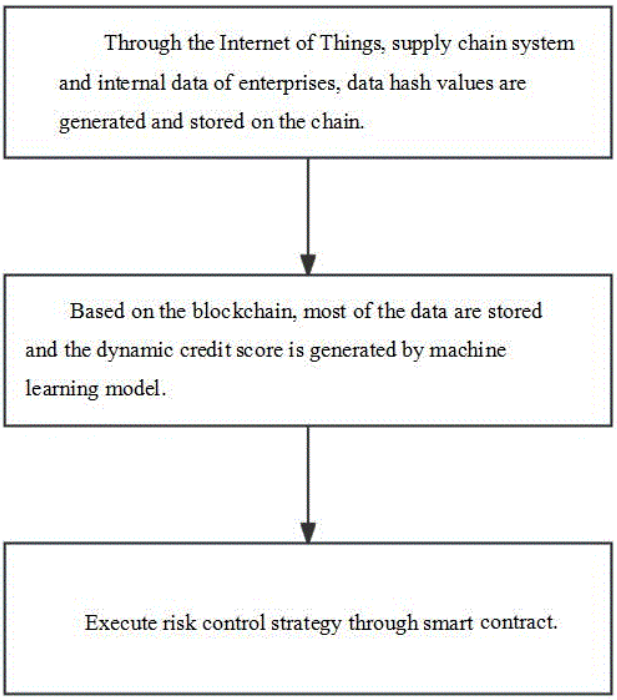


21: 2025/02394. 22: 2025/03/19. 43: 2025/09/22
51: A47F
71: Henan University of Urban Construction
72: SUN Miao, ZHANG Dandan, ZHANG Hua, RONG Shukun, BAI Chen, SUN Chi, WANG Chao, LIU Rongji
54: ENVIRONMENT DESIGN DRAWING DISPLAY TABLE
00: -
The present invention belongs to the technical field of display devices, and particularly relates to an environment design drawing display table, which comprises a table body. A turntable is rotatably connected to the tabletop of the table body, and a display board is hinged to the turntable. An angle adjustment mechanism is provided on the turntable for adjusting the tilt angle of the display board. A flattening mechanism is provided on the display board, which comprises a transparent board. One end of the transparent board is connected to the end of the display board away from the hinge shaft via a hinge, and a fixing member is provided on the transparent board. The transparent board is connected to the display board via the fixing member. A braking mechanism and a brake release mechanism are provided on the tabletop, the braking mechanism is used for braking the turntable, and the braking mechanism is operatively connected to the brake release mechanism. The invention can

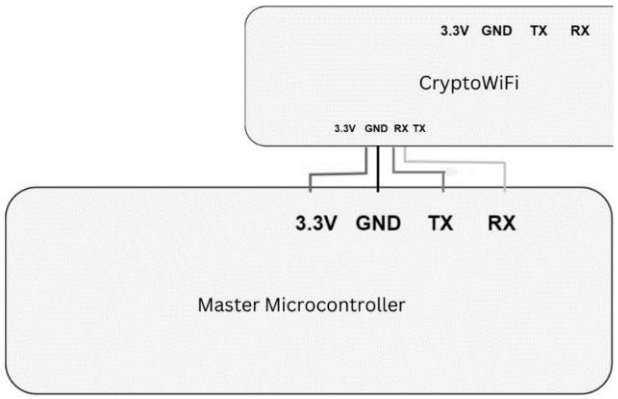
effectively fix the drawing while avoiding wrinkles or damage to the drawing; it can adjust the tilt angle and rotation angle of the drawing, facilitating the observation of local details of the drawing.



21: 2025/02396. 22: 2025/03/19. 43: 2025/09/22
51: G06Q
71: China West Normal University
72: Chunyan Du
54: SUPPLY CHAIN CREDIT EVALUATION AND RISK CONTROL METHOD BASED ON BLOCKCHAIN
00: -
The invention provides a supply chain credit evaluation and risk control method based on blockchain, and relates to the technical field of blockchain and distributed account books. The specific steps include: collecting transaction data, performance records and logistics information of supply chain nodes in real time through Internet of Things equipment and enterprise systems, and uploading certificates to ensure that the data is transparent and cannot be tampered with; using machine learning model to combine historical and real-time data to generate dynamic credit score; the risk control strategy is automatically implemented in real time through smart contracts, and the credit limit or payment terms are dynamically adjusted according to the score, and cross-chain data sharing and privacy protection are realized by using cross-chain federated learning and secure multiparty computation technology; establishing a topological risk contagion model to predict the risk diffusion path and quickly warn; anti-quantum signature algorithm is used to ensure data security. The invention can improve the real-time, safety and intelligent level of supply chain risk control.



21: 2025/02400. 22: 2025/03/19. 43: 2025/10/13
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KADU, Anil Baban, PITHE, Sarthak Sanjay, POTNIS, Hrishikesh Shekhar, RAJURKAR, Janhavi Ajit, RAUT, Ketaki Dharmraj, SALUNKE, Sakshi Dayanand
54: A CRYPTOGRAPHIC WIFI MODULE FOR SECURE CLOUD INTEGRATION IN IOT DEVICES
00: -
The present invention relates to a cryptographic WiFi module for secure cloud integration in IoT devices. The proposed system is a WiFi shield that secures cloud communication in IoT devices. It includes a library for easy integration, firmware for data encryption, and a client-side library for decryption. The module simplifies secure data transmission for IoT projects.



21: 2025/02401. 22: 2025/03/19. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WAYKOS, Prajwal Pravinkumar, SANJIV, Mahesh Ambadas, WAGHMARE, Soham Sandeep, DESHMANE, Pranav Sudhakar, INGLE, Yashwant, MAHALLE, Parikshit Narendra, BUCHADE, Amar

54: A LIVE SELL AND SERVICE INDICATOR ON GOOGLE MAP FOR BUSINESSES

00: -

The present invention is related to a live sell and service indicator on google map for businesses. The invention involves integrating real-time store status information with the geographical representation provided by Google Maps. This innovative approach allows users to visually track and analyze the live status of stores or businesses directly on the map interface. It enhances decision-making by providing a dynamic and location-based perspective. The indicator could incorporate various data sources, such as transaction data, inventory levels, or customer foot traffic, to offer a comprehensive view of a store's live activity. This integration of live store notations on maps empowers businesses and consumers alike with valuable insights into the current economic activity in specific locations. The integration of a Live Stores Availability Indicator on Google Maps not only provides valuable insights but also contributes to time-saving for users and customers. By visualizing real-time store information directly on the map, customers can efficiently identify locations with higher activity or promotions, streamlining their decision-making process. This feature proves especially beneficial for consumers seeking time-sensitive deals or wanting to optimize their shopping routes. Additionally, businesses can leverage this functionality to attract customers by showcasing live activity data, creating a more engaging and time-efficient experience for both parties. The flexibility of toggling the Live Stores Availability Indicator on or off provides sellers with a powerful tool for influencing users' decision-making. Sellers can strategically control the visibility of real-time store information based on their marketing strategies, inventory levels, or ongoing promotions. This dynamic feature allows businesses to showcase special offers when needed, create a sense of urgency, or tailor their approach to align with specific goals. The ability to manage and curate this information enhances the overall user experience, enabling sellers to adapt and optimize their online presence in real time, ultimately influencing customers positively in their decision-making process.

21: 2025/02402. 22: 2025/03/19. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DUBE, Raghav, JOSHI, Amogh, PAWAR, Pratik, DESHPANDE, Vivek S., MAHALLE, Parikshit N., MAHAJAN, Rupali Atul, TAKALE, Dattatray, BUCHADE, Amar

54: AN IOT-ENHANCED SOFTWARE-DRIVEN AGRICULTURAL SYSTEM FOR OPTIMIZING CROP GROWTH THROUGH EARTHWORM INTEGRATION AND REAL-TIME DATA PROCESSING

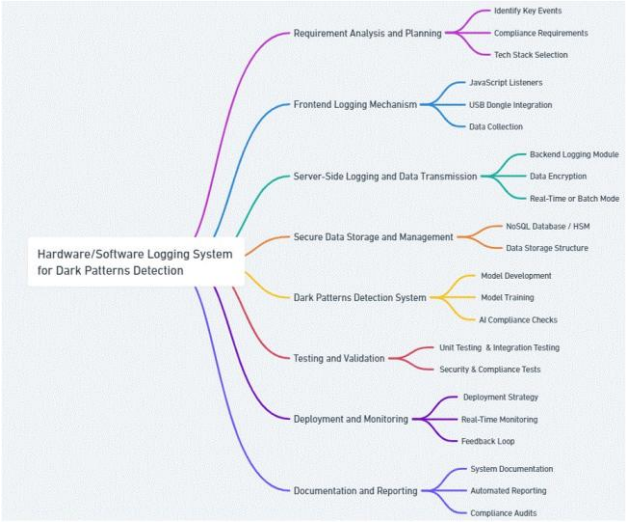
00: -

The present invention is related to an IoT-enhanced software-driven agricultural system for optimizing crop growth through earthworm integration and real-time data processing. The invention provides a software-driven agricultural system that enhances crop growth through the integration of earthworm activity with advanced real-time data streaming and soil monitoring technologies. The system uses a network of IoT sensors to continuously collect soil and earthworm activity data, which is streamed and processed in real-time using cloud-based infrastructure. Machine learning models analyze the data to predict and optimize soil conditions, while automated control systems dynamically adjust environmental parameters to ensure optimal crop growth. The invention is scalable, adaptable, and integrates seamlessly with existing farm

management tools, offering a powerful solution for modern precision agriculture.

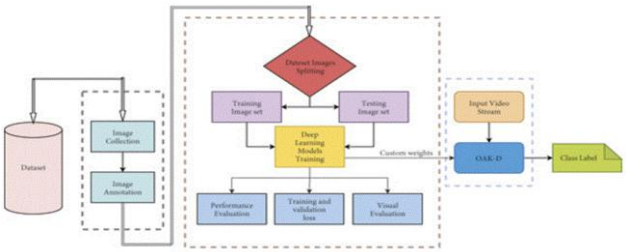
21: 2025/02403. 22: 2025/03/19. 43: 2025/10/13
51: A01M
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DUBE, Raghav, JOSHI, Amogh, PAWAR, Pratik, DESHPANDE, Vivek S., MAHALLE, Parikshit N., MAHAJAN, Rupali Atul, BUCHADE, Amar, DONGRE, Ganesh
54: AN IOT SCARECROW SYSTEM FOR CROPS PROTECTION WITH ADAPTIVE THREAT MANAGEMENT
00: -
The present invention is related to an IOT scarecrow system for crops protection with adaptive threat management. The invention is an IoT-based intelligent scarecrow system designed to protect crops from birds and animals using multimodal sensing, advanced identification algorithms, adaptive deterrence strategies, and enhanced energy management. The system integrates various sensors, including acoustic, thermal, vibration, and cameras, with a microcontroller to detect and identify specific species. It employs AI models to analyze animal behavior and predict future threats, dynamically adjusting deterrence methods. The system is powered by solar panels with supplementary energy harvesting and includes a user-friendly interface for real-time monitoring and control. The invention offers a comprehensive, sustainable solution for modern agriculture.

21: 2025/02404. 22: 2025/03/19. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: HUDDAR, Nilaya Devdatta, GUPTA, Chirangi, BHALERAO, Prerana, KUMBHAR, Pratiksha, MAHALLE, Parikshit N., YADAV, Gitanjali B., SHARMA, Nakul S., JADHAV, Prranjali, KADAM, Prema S., TAKALE, Dattatray G., DONGRE, Ganesh, SULE, Bipin
54: LEVERAGING HARDWARE SOLUTIONS FOR AI-DRIVEN DARK PATTERN DETECTION AND COMPLIANCE WITH PRIVACY REGULATIONS IN WEBSITE DATA COLLECTION
00: -
The present invention is related to leveraging hardware solutions for AI-driven dark pattern detection and compliance with privacy regulations in website data collection. This invention presents an advanced system for ensuring compliance with global privacy regulations, including GDPR, CCPA, and the Right to Information under Indian law, by leveraging a combination of AI, hardware solutions, and IoT-based data collection nodes. At its core, the system features a Large Language Model (LLM) trained on extensive datasets comprising privacy laws and regulations, as well as real-time data captured from integrated hardware modules. These modules and IoT nodes monitor user interactions and data collection practices, providing a dual-source approach that enhances the accuracy of compliance assessments. The system enables real-time compliance monitoring by employing both software algorithms and IoT-enhanced hardware components. IoT-based data collection nodes, strategically positioned within the user interaction flow, work alongside software tools to capture and analyze data, including network traffic and user consent behaviors. This data is securely transmitted to server-side Hardware Security Modules (HSMs) for encrypted logging and compliance evaluation, ensuring a comprehensive assessment of data privacy practices. Additionally, the system offers a user-friendly interface, powered by GPT or the Rasa framework, allowing users to query their data privacy status in real time. By integrating insights from both hardware-based IoT nodes and software monitoring tools, the interface provides detailed feedback on data collection, storage, and sharing practices. This holistic approach ensures transparent, secure, and compliant data collection, significantly enhancing user control and trust in digital interactions.



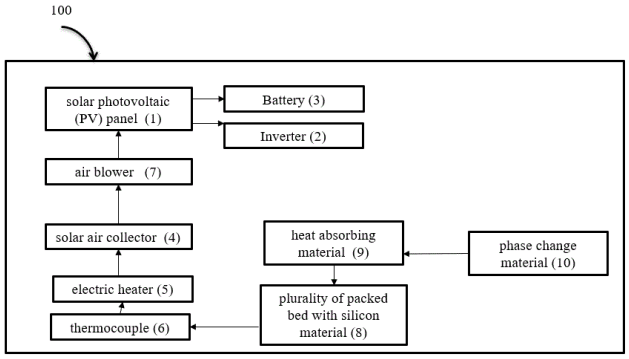
21: 2025/02405. 22: 2025/03/19. 43: 2025/10/13
51: G01C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MAHAJAN, Sanket, KHAIRE, Pranav, PAWAR, Pushkar, PAWAR, Sahil, DEDGAONKAR, Suruchi, SHEWALE, Chaitali, SHELKE, Priya
54: AN INTELLIGENT ROAD POTHOLE DETECTION AND ADAPTIVE NAVIGATION SYSTEM
00: -

The present invention is related to an intelligent road pothole detection and adaptive navigation system. Enhancing road safety and maintenance efficiency is the goal of the novel pothole detection and navigation system. It employs cutting-edge sensors to instantly identify potholes and saves the information in a centralized database. Municipal officials can obtain this information to make repairs on time. Furthermore, the technology can be integrated with navigation software to give drivers real-time alerts regarding the locations of potholes and optimum routes that avoid dangerous areas. The technology overcomes the drawbacks of conventional techniques by automating detection and reporting, enhancing road safety, lowering vehicle damage, and streamlining maintenance procedures.



21: 2025/02407. 22: 2025/03/19. 43: 2025/09/25
51: F28D
71: SHIVALIK COLLEGE OF ENGINEERING DEHRADUN, Shivasheesh Kaushik
72: Shivasheesh Kaushik, Lalit Mohan Joshi, Dr. Kuldeep Panwar, Ajay Kumar Verma, Nitish Kumar Yadav, Shabaaz Khan, Aman Alam, Vivek Sajwan, Anurag Rawat, Prabhakar Bhandari, Lalit Ranakoti, Dr. Kuldeep Rawat, Niraj Kumar, Anil Kumar, Amit Kumar, Manish Kumar, Dr. Amit Kumar, Dr. Bhupendra Kumar, Deepak Gupta, Dr. Botcha Appalanaidu, Dr. Rahul Kshetri, Dr. Dinesh Kumar Rao, Vishnu R Nair, Aswathy M, Ijas M S
54: A HYBRID PACKED BED HEAT REGENERATING RESERVOIR SYSTEM
00: -

A hybrid packed bed heat regenerating reservoir system (100), comprises: a solar PV panel (1) configured for generating electrical energy; a solar air collector (4) for collecting the electrical energy generated from the solar PV panel (1) through an air blower (7); an electric heater (5) for generating hot air through the heating elements; a temperature logger and a contractor with thermocouple for automatically controlling the hot air generation; a plurality of packed bed filled with silicon material (8) for eliminating moisture from the hot air; a plurality of packed bed heat regenerator reservoir filled with sensible heat absorbing material (9) for charging the sensible heat absorbing material filled inside the plurality of packed bed heat regenerator reservoir; and a plurality of concentric packed tube filled with phase change material (10) for charging the phase change material, and ensuring efficient heat storage for subsequent utilization during power outages.

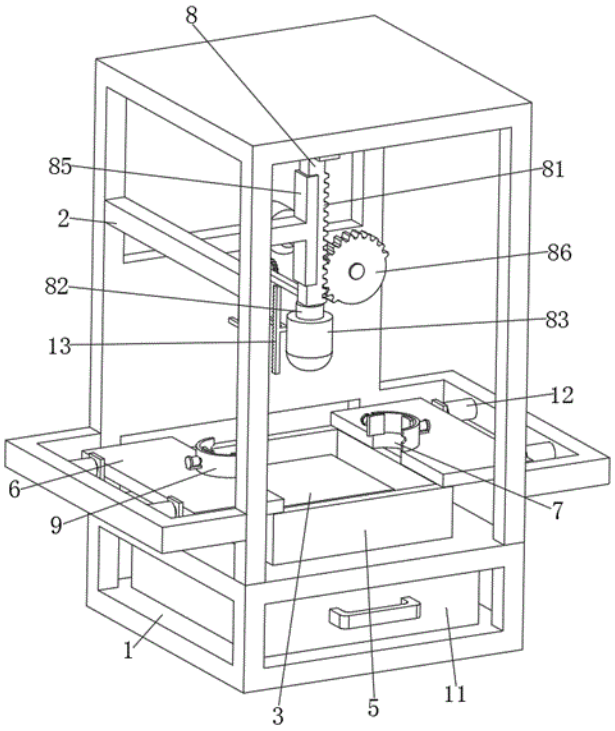


21: 2025/02440. 22: 2025/03/20. 43: 2025/09/25
51: G01N
71: Anhui Water Conservancy Technical College
72: XU, Jiajun, WU, Rui, LIU, Yang
33: CN 31: 202410948906X 32: 2024-07-16

54: STEEL-REINFORCED CONCRETE IMPACT RESISTANCE TEST DEVICE

00: -

The present invention discloses a steel-concrete impact resistance test device, comprising a bottom frame and a top frame, a placing table and a protective frame are fixedly connected to the top of the bottom frame, a protective cover is symmetrically arranged on the top of the protective frame, and a through hole is opened in the middle of the symmetrical protective cover, and an impact mechanism is arranged inside the top frame, and the impact mechanism comprises a reciprocating gear rod, an electromagnetic block is installed at the bottom of the reciprocating gear rod, and an impact hammer that can enter the through hole is adsorbed at the bottom of the electromagnetic block, and the cross-sectional area of the impact hammer is larger than the cross-sectional area of the electromagnetic block, and a limiting mechanism is symmetrically arranged on the top of the symmetrical protective cover, and the limiting mechanism comprises four limiting plates. The impact hammer in the present invention can fall freely to impact the steel-concrete test block, and the falling movement of the impact hammer is not affected by other factors except the influence of air resistance, that is, the impact force received by the steel-concrete test block is approximately equal to the gravitational potential energy of the impact hammer, thereby improving the accuracy of the test result.



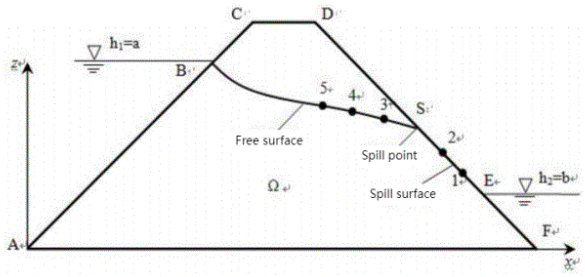
21: 2025/02441. 22: 2025/03/20. 43: 2025/09/25
51: G06F
71: Yantai University
72: Xingmin HOU, Qianqian QU

54: METHOD FOR INTELLIGENT CALCULATION OF SEEPAGE SPILL POINT BASED ON TOTAL POTENTIAL ENERGY IN REAL DOMAIN

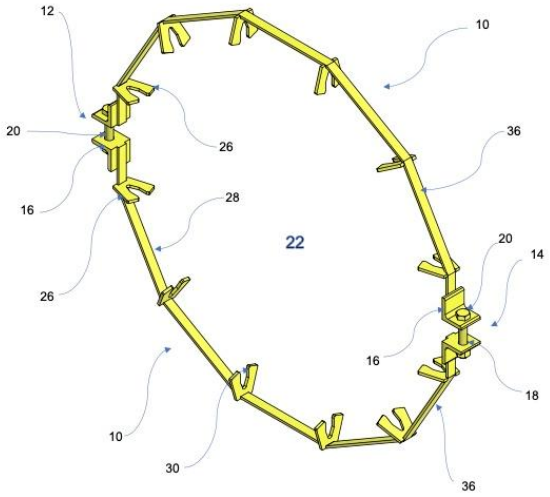
00: -

A method for an intelligent calculation of seepage spill point based on a total potential energy in a real domain is disclosed, which relates to the field of engineering seepage technology; wherein, S1, determining the governing equation and boundary conditions; S2, calculating the gradient change of seepage field by applying the finite element method; S3, dynamically adjusting the mesh density by using an adaptive mesh refinement technology, and calculating the head value of each node in the seepage field; S4, calculating the total potential energy in the real domain at the current spill point position; S5, adjusting the spill point position by the machine learning model; and S6, considering the coupling effect of seepage field and stress field; the present invention adopts the above method for the intelligent calculation of seepage spill point based on the total potential energy in the real domain, the concept of the total potential energy in the real

domain is proposed, and the calculation accuracy of the spill point is improved.

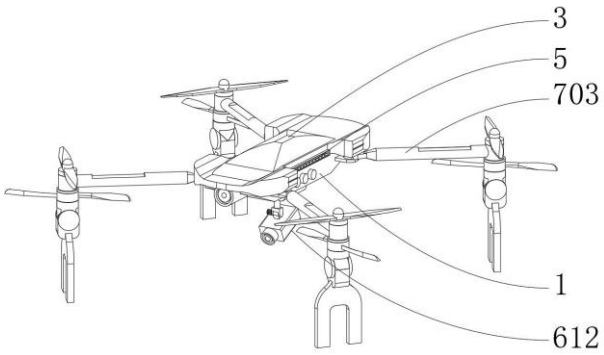


21: 2025/02443. 22: 2025/03/20. 43: 2025/09/26
51: F24F
71: UNIQUE VENTILATION AND SUPPORT SYSTEMS (PTY) LTD
72: JAKES VAN DER MERWE
54: DUCT CLAMP
00: -
The present invention relates to a duct clamp assembly for connecting two segments of ducts together



21: 2025/02444. 22: 2025/03/20. 43: 2025/09/25
51: C25D; E21D
71: CASPER COMBRINK INVESTMENTS (PTY) LTD
72: CASPER J COMBRINK
54: ELECTROPLATING PROCESS
00: -
The present invention relates to an electroplating process and jig for electroplating hydrabolts used in underground mining and the like.

21: 2025/02445. 22: 2025/03/20. 43: 2025/09/25
51: G01V
71: Kunming Metallurgy College
72: Yong Cheng, Yiming Wen, Donghao He, Yang Liu, Xiangdong Niu, Xingwei Xu, Haobo Ji, Kaishan Lin, Zhixian Zhong, Yufeng Guo, Qi Nie, Jinliang Zhang, Hanping Zhang
54: A DEVICE AND METHOD FOR ION-ADSORPTION RARE EARTH MINERAL EXPLORATION BASED ON REMOTE SENSING TECHNOLOGY
00: -
The present invention relates to the field of drone remote sensing surveying and mapping, and more particularly to a device and method for ion-adsorption rare earth mineral exploration based on remote sensing technology. The device includes a drone base, which has a clamping and replacement mechanism on its inner surface and a folding mechanism on one side. Through the clamping and replacement mechanism, the device can flexibly switch between high-resolution optical sensors, multispectral sensors, and thermal infrared sensors according to different exploration tasks, overcoming the limitations of traditional fixed devices on drones, enhancing adaptability and multifunctionality, and simplifying the replacement process. The folding mechanism allows the drone to fold its arms and support legs when not in use, significantly reducing the space occupied and facilitating transportation to remote exploration areas, while also reducing flight energy consumption and increasing endurance, thereby enhancing practicality and mobility.

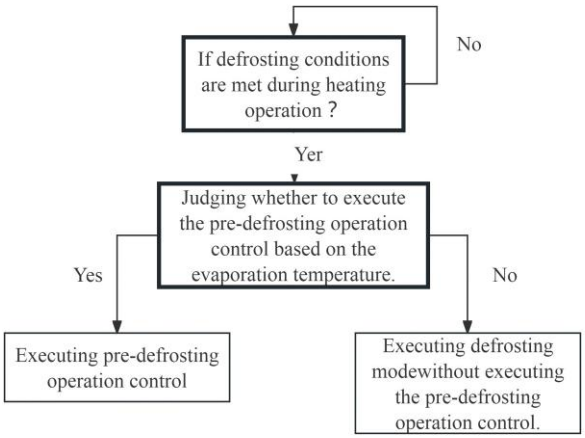


21: 2025/02446. 22: 2025/03/20. 43: 2025/09/25
51: F24F
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: LI Fengcui, LIU Chengyuan, HAN Ershuai, JIN Junjie, LIU Hongtao, ZHANG Zhiyuan

54: CONTROL METHOD AND SYSTEM OF AUTOMATIC DEFROSTING FOR AIR CONDITIONER THEREOF

00: -

The present invention discloses control method and system of automatic defrosting for air conditioner. The air conditioner defrosting control method includes: during the heating operation of the air conditioner, determining whether the air conditioner meets defrosting conditions; if so, acquiring the evaporation temperature of the outdoor heat exchanger of the air conditioner, further determining whether to execute pre-defrosting operation control based on the evaporation temperature, executing pre-defrosting operation control if yes, otherwise performing reverse defrosting and vibration defrosting device defrosting without executing pre-defrosting operation control. The invention solves the problem in the prior art where improper execution of pre-defrosting operation control in air conditioners fails to raise indoor temperatures and unnecessarily prolongs defrosting time, thereby affecting user experience. It achieves accurate and appropriate pre-defrosting operation control.

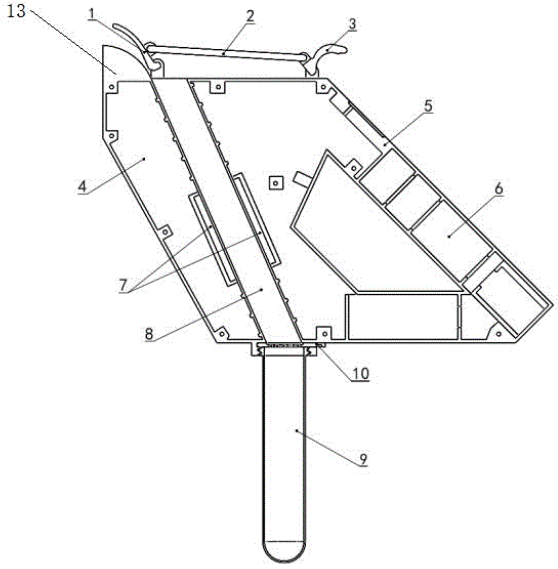


21: 2025/02447. 22: 2025/03/20. 43: 2025/09/25
51: C12M
71: Northwest A&F University
72: Xu Chen, Yabin Zheng, Zhifeng Yao, Huaibo Song
33: CN 31: 202422385646.8 32: 2024-09-29

54: COLLECTION DEVICE FOR RUST FUNGUS UREDIOSPORE OF WHEAT STRIPE

00: -

The invention discloses a collection device for rust fungus urediospore of wheat stripe, comprising a shell, a collection tube with both ends open is arranged inside the shell, a motor is arranged on the outer wall of the collection tube, two ends of the collection tube are respectively through with the two ends of the shell, one end of the collection tube is provided with a blade pressure structure, and the other end of the collection tube is connected with a storage tube. The invention solves the problem of inconvenient collection of rust fungus urediospore of wheat stripe at present.



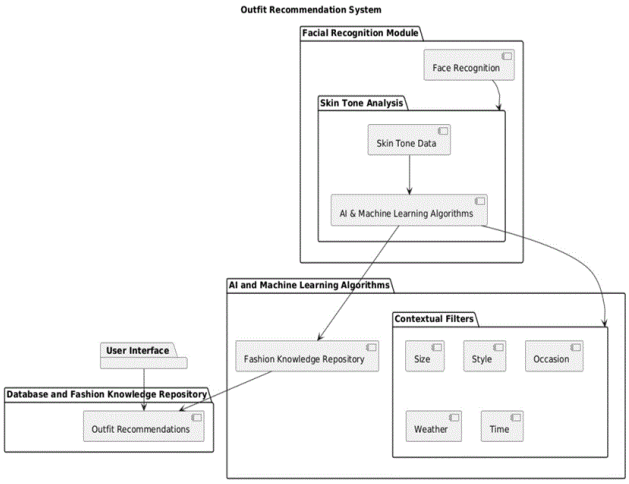
21: 2025/02453. 22: 2025/03/20. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MATE, Nandini Shirish, JADHAV, Komal Suresh, SAWANT, Neha Sambhaji, NANGARE, Sai, BANCHHOR, Chitrakant, GAIKWAD, Vidya S., MEHTA, Pradnya S., YENKIKAR, Anuradha V.

54: AN AI BASED OUTFIT RECOMMENDATION SYSTEM

00: -

The present invention is related to an AI based outfit recommendation system. The AI based invention creates works by taking into account facial recognition and skin tone to suggest outfits that have a similar look on the user based. User's facial features and skin tone are analyzed by the system that then proposes certain clothing that complements the user's appearance. In fact, this

system involves multiple such filters such as age, weather, occasion, style and size as well, so users can further narrow their outfit recommendations. Machine learning algorithms process the real time image data in this system to come up with customized outfit suggestions. The interface is easy to use too; it provides users with an ability to interact with it through obvious controls and provides personalized recommendations taking into account the user preferences and their context. One can use this system across various use cases like casual wear, special occasions as well as for professional settings, and it is a furnished and elegant solution. This invention closes the gap between fashion and tech and delivers a radically simple, real time outfit recommendation experience that tailors itself to one's personal requirements and trends, focusing equally on style and comfort.



21: 2025/02455. 22: 2025/03/20. 43: 2025/10/13
51: G07C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANKHEDE, Disha Sushant, MANIKJADE, Akshay Ashok, GAIKWAD, Vidya Shrimant, MISHRA, Vaishali, KARNIK, Madhuri Prashant, CHAVHAN, Pranali, BELAVANKI, Atharva, MAHAJAN, Pranav, TONGALE, Gajanan, KADU, Abhishek

54: A REDESIGNED ELECTRONIC VOTING MACHINE (EVM) FOR MODERN ELECTIONS TO ENHANCE VOTER PARTICIPATION

00: -

The present invention is related to a redesigned electronic voting machine (EVM) for modern election to enhancing voter participation. The present invention pertains to the design and functionality of electronic voting machines (EVMs) with a focus on enhancing voter participation and increasing voter turnout in electoral processes. The invention introduces improvements to the user interface, accessibility features, and overall usability of EVMs, making them more user-friendly and engaging. By addressing barriers to voting and simplifying the voting experience, these enhancements aim to encourage higher voter participation, ensuring a more inclusive and efficient electoral process.

21: 2025/02456. 22: 2025/03/20. 43: 2025/10/13
51: H04L
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BADGUJAR, Niramay, KULKARNI, Prathamesh, JADHAV, Shubham, BAMB, Rushikesh, KOLHE, Pranav, KODMELWAR, Manohar, PATHAK, Kishor, WANKHADE, Shalini, BHANDARI, Mahesh

54: A PEER-TO-PEER TUTORING SYSTEM FOR USER INTERACTION AND TUTOR MANAGEMENT

00: -

The present invention is related to a peer-to-peer tutoring system for user interaction and tutor management. This invention introduces a web-based peer-to-peer tutoring platform designed to facilitate real-time interaction between students and tutors. The system features three main components: question submission, user invitation, and tutor profile management. By enabling dynamic user interactions and profile updates, the platform improves the overall educational experience. It is designed to meet the needs of educational institutions seeking to create more interactive and efficient learning environments. This invention is highly applicable within the education industry, particularly in online learning environments, universities, and tutoring centers. It facilitates peer interaction and tutor management, providing a dynamic and scalable platform for institutions looking to improve student engagement, learning outcomes, and tutor management in a digital setting. The system can be adapted for use in schools, colleges, or any organization providing educational services.

21: 2025/02457. 22: 2025/03/20. 43: 2025/10/13
51: G08G

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: HESE, Uday Ganesh, UNDALE, Chaitanya Kishor, KAMBLE, Khushi Rahul, CHAVHAN, Vaibhav Vinod, MUNDHE, Siddhesh Suresh, PATIL, Amol V., GAIKWAD, Vidya S., YENKIKAR, Anuradha V., SABLE, Nilesh P.

54: AN AI BASED DYNAMIC TRAFFIC LIGHT SIGNAL CONTROL SYSTEM FOR HEAVY TRAFFIC MANAGEMENT

00: -

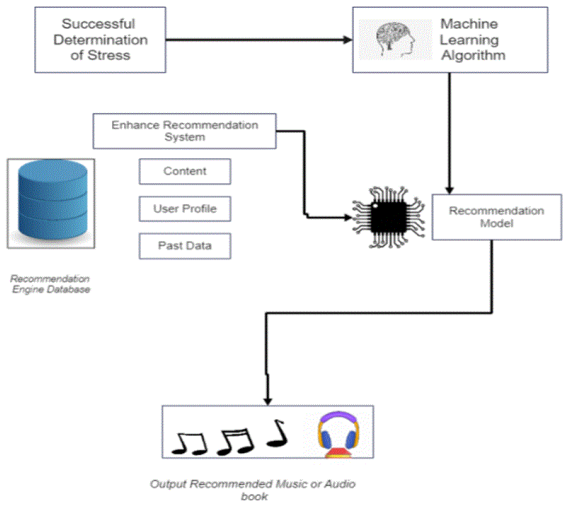
The present invention is related to an AI based dynamic traffic light signal control system for heavy traffic management. The invention proposes AI based traffic management system de-signed to optimize traffic flow. The system detects and count the number of vehicles on each lane. If emergency vehicles like Ambulance, Fire Brigade are detected, corresponding lane is prioritized by giving green signal. In normal conditions green signal time is calculated for each lane by analyzing traffic pattern and vehicle density. System is useful to minimize congestion, reduce waiting time, save energy.

21: 2025/02458. 22: 2025/03/20. 43: 2025/10/13
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RATHI, Snehal, PATIL, Swati, MARAL, Vikas, TIWASKAR, Shweta, CHAVHAN, Pranali

54: AN AI OPTIMIZED STRESS RELIEF SYSTEM FOR DRIVERS USING SENSORS

00: -

The present invention is related to an AI-optimized stress relief system for drivers using sensors. Smart Stress-Free Drive is an AI-powered system designed to detect and manage driver stress in real time. By analyzing data from multiple physiological sensors, including heart rate, skin temperature, and facial expressions, the system classifies the driver's stress levels and provides personalized recommendations, such as soothing music or motivational content, to promote a safer and more relaxed driving experience. This invention leverages advanced machine learning models and seamless API integration to offer a comprehensive solution for reducing driver stress and enhancing road safety.



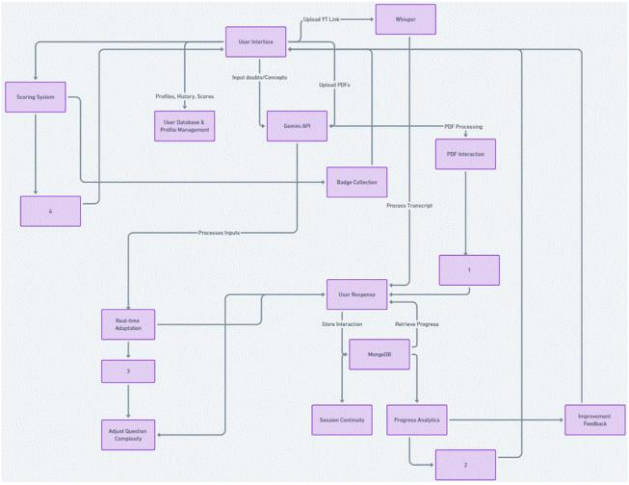
21: 2025/02459. 22: 2025/03/20. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESALE, Nishant Rangrao, WALAVALKAR, Viraj Milan, DHOLE, Yashraj Avinash, BHANDARE, Sarthak, SABLE, Nilesh Popat, GAIKWAD, Vidya Shrimant, PATIL, Amol, MEHTA, Pradnya S.

54: AN AI-ASSISTED EDUCATION SYSTEM FOR MULTI-TYPE CONTENT PROCESSING AND LEARNING PRODUCTS

00: -

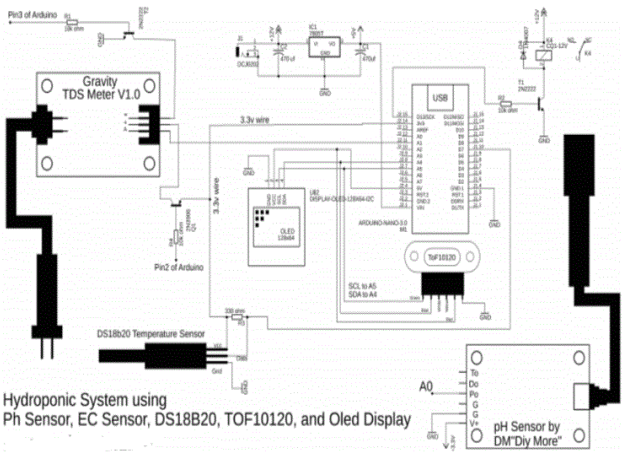
The present invention is related to an AI-assisted education system for multi-type content processing and learning products. This invention is an intelligent AI powered tool that improves learning for students and simplifies content creation for students and educators. The goal of the invention is to help both students and educators by increasing efficiency, engagement, and accessibility of creating and consuming content, summarizing, and interactive learning through an easy-to-use online front end. It's methodology is powered by industry leading AI models which make meaning out of varied inputs to create valuable educational resources. Speech to text model, Whisper, converts audio materials such as lectures or discussions into written transcripts, while LLaMA 3, a large language model, takes these inputs to generate detailed summaries, answers to questions, and educational content. By incorporating external data, the model increases the depth and relevance of the generated content as it pulls it in so students receive well rounded and contextually rich information. The invention can be used when students upload a file or enter a link: it processes the

data, giving concise summaries, in depth explanations, and even visual aids like mind maps to them to help break down complex topics. It also produces questions and answers, so that students can, as they put it, 'quiz themselves' to see if they are learning what they are studying. Students can review a chapter from a textbook, a lecture, or an article and easily pick up on important points and get clarification to the areas they are confused in. Consequently, it is well suited to the digital learning environment where students may access materials in any form. And it can take a podcast or a YouTube video and turn it into a summarized text or a series of questions, allowing students to consume content at their own pace and style. It offers the freedom to do things students prefer, allowing them to tailor their study routine, and provides for students to learn the way they find optimal. Using it produces result of having more dynamic and personalized learning experience of the students. With access to well structured, automated materials, they enjoy the simplicity of study that these give them. With this invention students can experiment with new ways of working with educational material, which in turn enhances their retention and the mastery of even the most complex subjects.



21: 2025/02460. 22: 2025/03/20. 43: 2025/10/13
51: A01G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHATTERJEE, Anubrat, CHATTERJEE, Anurag, ATREYA, Swaroop, GAVARASKAR, Rupali
54: A HYDROPONICS SYSTEM USING PH SENSOR AND EC SENSOR

00: -
The present invention relates to a hydroponics system using pH sensor and EC sensor. Further, the invention introduces an advanced hydroponics system that integrates pH and Electrical Conductivity (EC) sensors to optimize plant growth conditions. By monitoring and adjusting the nutrient solution's acidity (pH) and nutrient concentration (EC), the system ensures plants receive an ideal balance for enhanced productivity and sustainability. It features a modular, scalable de-sign with automated dosing mechanisms controlled by a microcontroller. This setup uses real-time feedback loops to maintain optimal pH and EC ranges, preventing nutrient imbalances. The system's precision aims to boost nutrient efficiency and reduce water use, showcasing the value of sensor technology in modern agriculture. Additionally, the system includes a data logging feature to track pH and EC trends, offering in-sights into nutrient uptake and plant health for further optimization. A user-friendly interface, accessible via mobile or web apps, allows remote monitoring, alerts, and adjustments, enhancing convenience. By combining sensor-driven automation with data analysis and user interaction, this hydroponics system promotes sustainable food production. It demonstrates a practical application of technology to improve growth conditions, making it a promising tool for efficient and eco-friendly farming practices.



21: 2025/02461. 22: 2025/03/20. 43: 2025/10/13
51: G06T
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: NAGARKAR, Sahil Jayant, MOTGHARE, Sanchit Rustam, MORE, Abhishek Kiran, MALI, Yash Sachin, GAIKWAD, Vidya S., MEHTA, Pradnya S., PANDIT, Pranjal S.

54: A REAL-TIME IMAGE CLASSIFICATION BASED SMART THEATER SPOTLIGHT SYSTEM FOR ACTOR RECOGNITION AND SCENE ADAPTATION

00: -

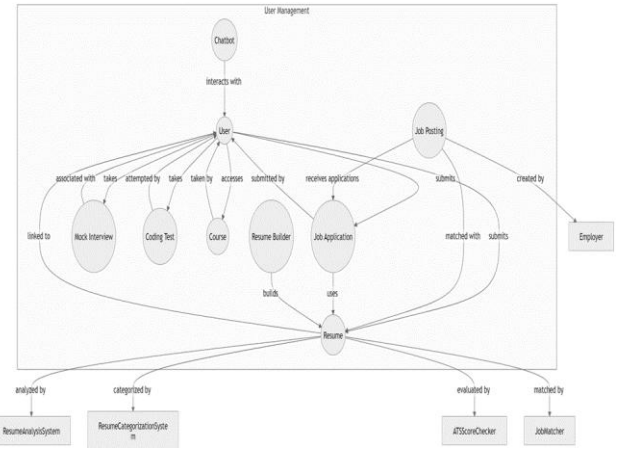
The present invention is related to a real-time image classification based smart theater spotlight system for actor recognition and scene adaptation. This invention is an automated spot-light system used in theater and live performances. The system employs live image recognition to observe the actor and focus on him/her during the performance. The system will perform under the multiple cameras strategically installed through algorithms to analyze the fed images of the actors, thereafter providing an automatic direction, colour and intensity control of the spotlight subject to the requirement of the scene. This in turn is going to enhance the quality of lighting because there will be fewer manual adjustments carried out. The final result is the increased satisfaction of the audience and decrease of the difficulties at the stage of making. This tremendous invention is a big achievement in the stage lighting technology industry, great invention with user friendly interface and the performance is great.

21: 2025/02462. 22: 2025/03/20. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SONWANE, Rutuja, PATANKAR, Komal, KHANDAVE, Aniket, CHORGHADE, Aditya, PATIL, Amol V., GAIKWAD, Vidya S., BANCHHOR, Chitrakant, PANDIT, Pranjal S.

54: AN AI-POWERED SYSTEM FOR ADVANCED HIRING AND SKILL ENHANCEMENT

00: -

The present invention is related to an AI-powered system for advanced hiring and skill enhancement. The invention combines career search and skill building services with recruitment solutions and provides students with innovative AI-based solutions for resume analysis, programmatic ATS, and skill suggestions. The system offers convenience for the employers who are in need of staff through the Human resource department while on the other hand it offers support for the candidates seeking jobs by offering them tools which can help improve their chances of getting a job through Human resource department. Housing applications like the mock interview, coding test platform, and a dedicated learning portal, also makes it an all-inclusive product for both the job seekers and the recruiters.

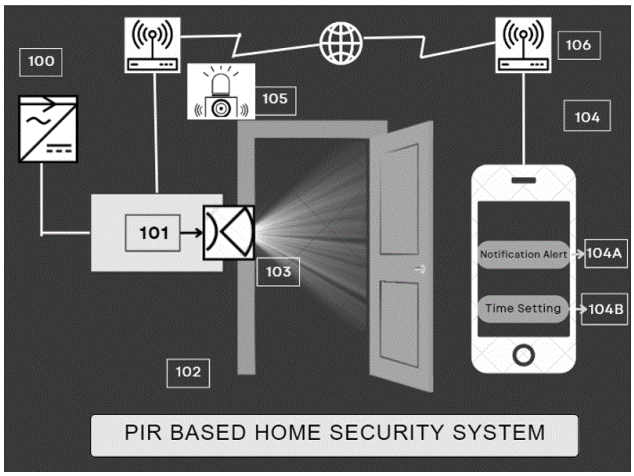


21: 2025/02463. 22: 2025/03/20. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KANJALKAR, Pramod Madhavrao, KANJALKAR, Jyoti Pramod, KADAM, Anup Sureshrao, MANE, Rutuja Santosh, RAJAM, Nagraj Naresh, KHOT, Anant Tanaji, MADNURKAR, Parth Shridhar, KAPRE, Ved Kedar, KAD, Sarish Umesh, KSHIRSAGAR, Urvi Prashant

54: A DIGITAL SECURITY DOOR GUARD SYSTEM

00: -

The present invention relates to a digital security door guard system. The proposed system utilizes advanced technology to detect and prevent unauthorized entry, providing homeowners with real-time monitoring and alerts. Integrating a Passive Infrared (PIR) sensor, microcontroller, and mobile app, the system detects intrusions and triggers an audible alarm, alerting neighbors and sending instant notifications to homeowners. Featuring customizable time-based control, this system offers enhanced security, flexibility, and peace of mind for residents, especially when away from home. By addressing limitations of existing security solutions, this invention provides a ro-bust, efficient, and user-friendly security solution for residential applications.

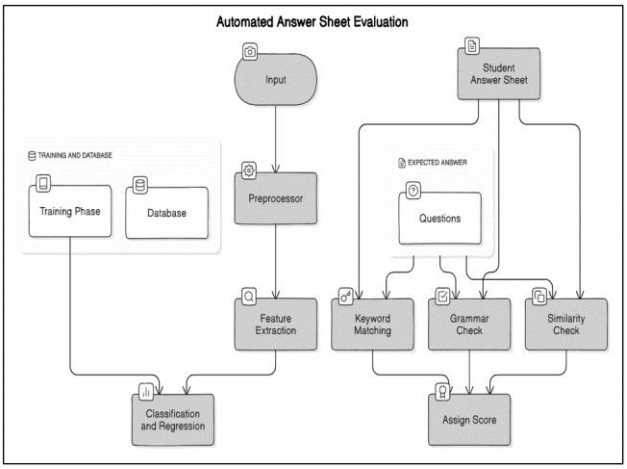


21: 2025/02464. 22: 2025/03/20. 43: 2025/10/13
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: VAYADANDE, Kuldeep Baban, GHADEKAR, Premanand P., UMBARE, Sumit, SAMGIR, Suraj, RATHOD, Krishna, CHAUDHARI, Lokesh, DESHPANDE, Neha

54: AN AUTOMATED ANSWER SHEET ASSESSMENT SYSTEM USING COMPUTER VISION AND MACHINE LEARNING

00: -

The present invention relates to an automated answer sheet assessment system using Computer Vision and Machine Learning. The traditional grading of answer sheets is slow, error-prone, and, especially, when it comes to large exams, inconsistent. The proposed system not only tackles the issue of grading by applying computer vision and machine learning to automate the recognition and evaluation of both handwritten and printed text on answer sheets but also provides more insight into the processes of learning. This method of grading provides uniformity and fairness across the different exam formats, so that the students can be judged under the same criteria regardless of how the exams were conducted, and, hence, less human labor, grading time, and mistakes are involved. For objective questions, answers are matched against a predefined key, while subjective answers are assessed with Natural Language Processing (NLP) using the measures of content accuracy, relevance, and structure. The system's flexible grading criteria enable the granting of partial credit as well as the customization of the marking scheme to meet the specific needs of the teacher. The system uses advanced Optical Character Recognition (OCR) to interpret handwriting and symbols correctly, including mathematical equations. Through machine learning, Vision Grader is always refining its accuracy, learning to adapt to different handwriting styles, exam formats, and grading schemes. Data security measures unsure that student information is kept safe and is not compromised during the grading process. The user-friendly interface allows for easy integration with the already existing Learning Management Systems (LMS), which in turn makes grading tasks easier and gives detailed feedback to the students. The use of automated grading in Vision Grader marks a great leap in educational assessment, as it guarantees fairness, efficiency, and scalability.



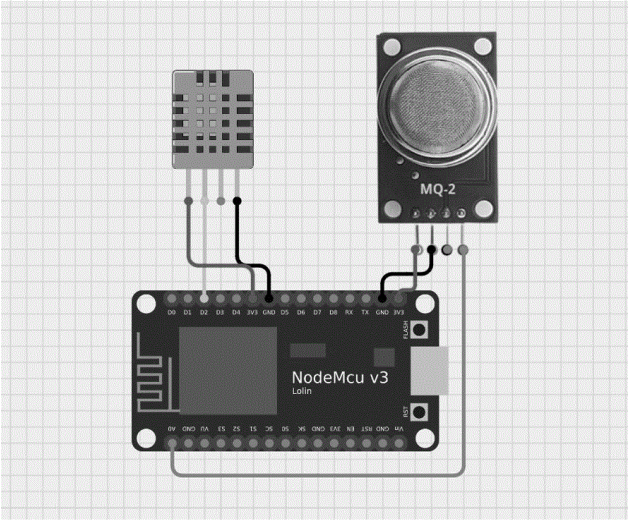
21: 2025/02465. 22: 2025/03/20. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: UKE, Shailaja, SHINDE, Sandip, JAYBHAYE, Sangita, NIKAM, Vivek, KOLAWALE, Sanika, KAKARWAL, Urmila, JADHAV, Prithviraj

54: A DISTRIBUTING SURPLUS FOOD SYSTEM TO NGOS OR MANURE PRODUCERS USING IOT AND ML

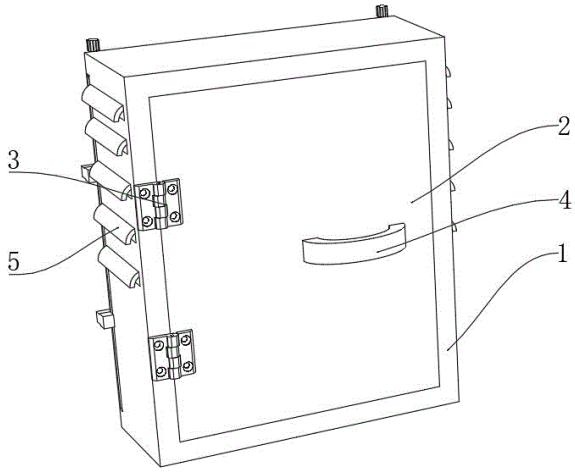
00: -

The present invention relates to a distributing surplus food system to NGOs or Manure Producers using IoT and ML. A cutting-edge food waste management solution that combines machine intelligence and IoT technology to solve inefficiencies in the restaurant sector. This system improves food quality monitoring, spoilage detection, and surplus redistribution by combining cutting-edge

sensors, a mobile application, and predictive analytics. The system collects data in real time using MQ4 gas sensors and DHT11 temperature and humidity sensors. Data is trans-mitted to a Django server via a Node MCU microcontroller. Restaurant workers may monitor food entries; get spoilage alerts via hardware which uses sensor to examine quality of food, and see preparation suggestions with the user- friendly Flutter App. Machine learning models that optimize preparation quantities and spoiling predictions include Random Forest and Decision Tree. This innovation greatly advances sustainable practices, lowers food waste, and improves resource efficiency in the restaurant industry by making it easier to redistribute edible surplus food to NGOs and spoiled food to manure producers.



21: 2025/02487. 22: 2025/03/24. 43: 2025/09/26
51: H05K
71: Xinyu University
72: Liu Danjuan, He Wei, Fu Siyong, Liu Chengyu
33: CN 31: 2025101612450 32: 2025-02-13
54: COMMUNICATION CABINET FOR ELECTRONIC INFORMATION ENGINEER
00: -
The invention discloses a communication cabinet for electronic information engineering, which comprises a communication cabinet frame, wherein vertical plates are fixedly connected to the inner walls of the communication cabinet frame; sliding plates are connected to the outer walls of the vertical plates in a sliding manner; threaded holes are formed in one ends of the sliding plates; and placing plates are connected between the sliding plates in a sliding manner. According to the communication cabinet, the bidirectional threaded rod is driven to rotate by rotating the knob, when the limiting strip reaches the top or the bottom of the communication cabinet frame, the fixing plate can be smoothly drawn out, and then the rear end cover can be easily detached, so that convenience is provided for observation and maintenance of the rear side of the communication cabinet frame.



21: 2025/02488. 22: 2025/03/24. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: LAHORE, Om Sanjay, BACHHAV, Prasad, NAVANI, Atharva, ALKUNTE, Ritesh, MEHTA, Pradnya S., GAIKWAD, Vidya S., PATIL, Amol V., BANCHHOR, Chitrakant
54: A BLOCKCHAIN TECHNOLOGY AND ARTIFICIAL INTELLIGENCE BASED DIGITAL VERIFICATION SYSTEM
00: -
The present invention is related to a blockchain technology and artificial intelligence based digital verification system. This innovation is a digital identification system that is not only based on blockchain but also employs artificial intelligence and machine learning for greater efficiency than current systems, providing more privacy for digital identities. This system allows users to manage their identity differently than current systems, grounded in more secure sections and offering more control. It encourages security for devices, controlling biometric authentication and privacy, enabling all forms of transactions that range from the health

sector to e-governance, banking, and various other sectors. Additionally, this system can be employed at smaller levels, such as shops, making it easier for people to use and set up.

21: 2025/02489. 22: 2025/03/24. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SATHE, Jatin, RODE, Omkar, JOSHI, Atharva, DESHPANDE, Vedant, BANCHHOR, Chitrakant, GAIKWAD, Vidya S., SABLE, Nilesh P., PANDIT, Pranjal S.
54: A BLOCKCHAIN AND SMART CONTRACT SYSTEM FOR DECENTRALIZED MICROFINANCE
00: -
The present invention is related to a blockchain and smart contract system for decentralized microfinance. This Invention introduced a new decentralized microfinance system aimed at utilizing the opportunities of artificial intelligence (AI) and blockchain to enhance the effectiveness of credit operations for low-income clients. It responds to pronounced problem of credit constraint, weak credit assessment, and poor financial inclusion among minors and disadvantaged groups. Inclusive of credit scoring mechanisms, the system has a high underwriting accuracy and originates fair credit that reduces default rates while increasing access to credit. Moreover, applying the blockchain principle allows the parties developing the loan contract to record transactional data that cannot be changed. Through smart contract loans can be handled automatically as per borrowers' credit profiles enable better and flexible loan terms. It also incorporates micro insurance services to protect borrowers against micro adversities, and ensure proper financial stability. This way, responsibility for lending is brought back to the communities of users, and the system aids in promptly correcting line of financial mismanagement. Acknowledge through mobile money financial products specifically targeting such sectors alongside trust; effective and efficient collaboration of this decentralized micro finance solution will close the unbanked gap provide for their economic enfranchisement and consequently catalyze community development.

21: 2025/02490. 22: 2025/03/24. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KULKARNI, Shlok Dhanesh, KAPRE, Gaurav Baban, SINGH, Siddhanta Pratap, GHOTANE, Manas Vishwas, SOMANI, Atharv Purushottam, KODMELWAR, Manohar, CHAVAN, Gurunath, PATHAK, Kishor, MAGAR, Hanmant
54: A COMPREHENSIVE OPERATIONAL MANAGEMENT SYSTEM WITH REAL-TIME FEEDBACK MECHANISM FOR FOOD SERVICE MANAGEMENT
00: -
The present invention is related to a comprehensive operational management system with real-time feedback mechanism for food service management. This invention presents a comprehensive system designed to bridge the communication gap between mess owners and their customers, specifically targeting student populations. The invention features a unique daily menu polling system that empowers customers to vote on their preferred meal options, enhancing menu customization and reducing food waste. It offers a seamless ordering and secure payment process, allowing users to easily select, customize, and purchase meals for home delivery or on-site consumption. The system also includes a robust feedback and rating mechanism, enabling customers to provide insights on their dining experience while allowing mess owners to view and respond to this feedback in real time. In addition, the invention features staff management tools that utilize predictive scheduling based on historical data, optimizing labor during peak hours. A comprehensive analytics dashboard provides valuable insights into customer preferences and operational performance, enabling mess owners to make data-driven decisions to improve service quality. By integrating these functionalities into a single platform, this invention enhances the dining experience for customers while streamlining operations for mess owners, fostering a responsive and customer-centric food service environment.

21: 2025/02491. 22: 2025/03/24. 43: 2025/10/13
51: A01G
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: UTTARKAR, Atharva Satyendra, MANE, Harsh Tanaji, MARATHE, Nimish, CHAUDARY, Akhilesh,

MEHTA, Pradyna Samit, GAIKWAD, Vidya Shrimant, PATIL, Amol, SABLE, Nilesh P.

54: AN AI BASED PLANT DISEASE DETECTION SYSTEM IN HYDROPONIC AGRICULTURE METHOD

00: -

The present invention is related to an AI based plant disease detection system in hydroponic agriculture method. Recently, researchers recommended automating hydroponic systems to increase productivity and reduce labor requirements. This increases earnings and farm output. However, a completely automated hydroponic system should be able to detect plant illnesses, nutrient deficiencies, and insufficient water supplies. Failure to notice these concerns might result in crop damage and a loss of capital. The purpose of this invention is to provide a systematic approach to disease detection in hydroponic plants, root rot and powdery mildew are discussed in detail. The system requires the ability to control the hydroponic setups in real-time, imaging plants and taking different environmental variables to assess their growth status by using artificial intelligence (AI) and machine learning (ML) techniques and algorithms. The purpose of the system is to achieve an early stage of disease development where actions could be taken by the farmer before further losses are incurred. The invention further extends the aim of improving the efficiency and sustainability of hydroponics systems through the reduction of the level of manpower required for disease management activities.

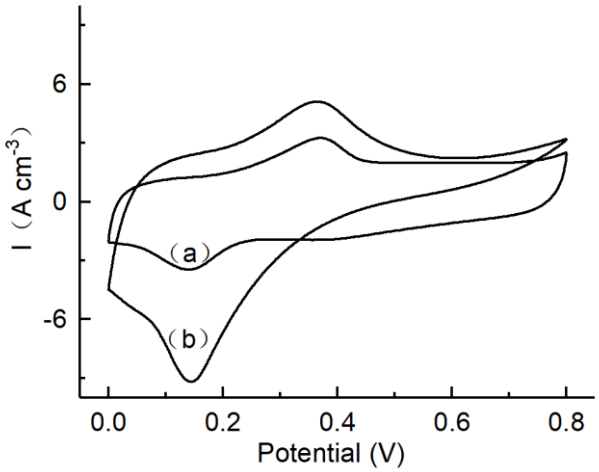
21: 2025/02492. 22: 2025/03/24. 43: 2025/09/26
51: H01G

71: Henan University of Urban Construction
72: TENG Weili, CHEN Zhenfeng, REN Haibo, YANG Hao, GONG Zihe, YOU Wenhan, ZHANG Menghan

54: POLY(3,4-ETHYLENEDIOXYTHIOPHENE)-GRAPHENE-MOLYBDENUM DISULFIDE COMPOSITE FIBER, PREPARATION METHOD AND APPLICATION THEREOF

00: -

Theinvention provides a Poly(3,4-ethylenedioxythiophene)-graphene-molybdenum disulfide composite fiber, preparation method and application thereof, belongs to the technical field of electrochemical materials.The preparation method includes: using graphene-supported molybdenum disulfide to provide molybdenum source and sulfur source, in the poly (3,4- ethylenedioxythiophene): reacting in the sodium polystyrenesulfonate solution system at 140-240°C for 6.0-48.0 h, filtering, washing with water and drying to obtain a Poly(3,4-ethylenedioxythiophene)-graphene-molybdenum disulfide composite fiber. Using the composite fiber as the electrode of supercapacitor, and its volume specific capacity reached 436.4 F/cm3. The invention has the advantages of simple synthesis route, short production cycle, high yield, easy realization of industrial production, and the product can be applied to the fields of biology, catalysis, energy storage and the like, and has great application prospects.



21: 2025/02493. 22: 2025/03/24. 43: 2025/09/26
51: A23C

71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences
72: Jianquan SUN, Minli XU

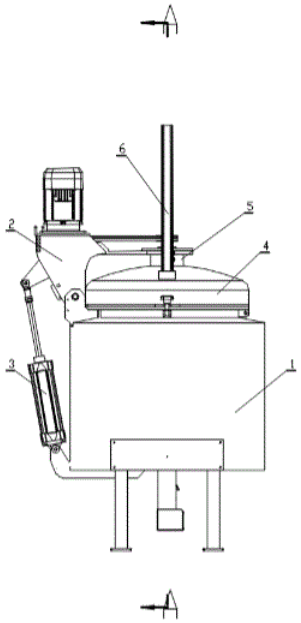
33: CN 31: 2025204009564 32: 2025-03-10

54: FERMENTATION DEVICE FOR YOGURT PRODUCTION

00: -

The present invention provides a fermentation device for yogurt production, which belongs to the field of yogurt fermentation equipment. Its technical scheme is as follows: it comprises a tank body, a stirring assembly and a scraping assembly arranged inside the tank body, an L-shaped rotating frame is hingedly arranged on the top side of the tank body, a top cover used in conjunction with the tank body is arranged on the L-shaped rotating frame, a stirring assembly is arranged on the L-shaped rotating

frame and the top cover, and a scraping assembly is arranged on the top cover. The beneficial effects of the present invention are as follows: during the discharge process, the inner wall of the tank body is scraped by an annular scraping plate, thereby preventing yogurt from adhering to the inner wall of the tank body, greatly improving the discharge efficiency and the efficiency of cleaning the tank body in the later stage.



21: 2025/02494. 22: 2025/03/24. 43: 2025/09/26
51: H01M
71: Henan University of Urban Construction
72: CAO Dao, LIU Chengyuan, GAO Zhe, SUN Jiahao, LI Fengcui

54: HIGH-PERFORMANCE MANGANESE-BASED OXIDE CATHODE MATERIAL FOR AQUEOUS ZINC-ION BATTERIES

00: -

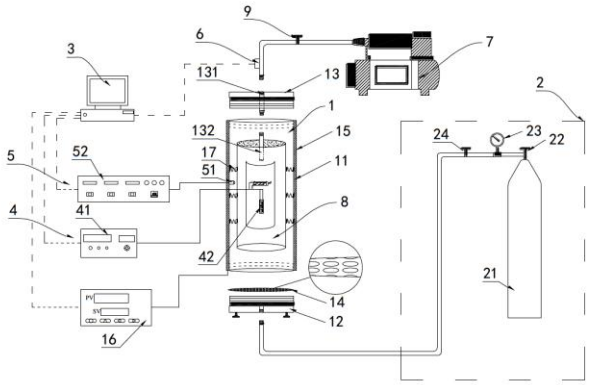
The present invention discloses a high-performance manganese-based oxide cathode material for aqueous zinc-ion batteries, belonging to the field of battery technology. The high-performance manganese-based oxide cathode material has a core-shell structure, wherein the core layer is Al3+/Co2+ co-doped porous 8 -MnO2 nanosheets, and the shell layer is polypyrrole; the thickness of the shell layer is 3-8 nm; the high-performance manganese-based oxide cathode material contains macropores with a pore size of 0.5-2 um and mesopores with a pore size of 5-20 nm.The Al3+/Co2+ co-doping inhibits Jahn-Teller distortion and enhances electronic conductivity, the polypyrrole shell layer suppresses manganese dissolution and enhances interfacial charge transfer, and the hierarchical pore structure shortens the Zn2+ diffusion path. Through a trinity synergistic strategy of "heterogeneous element doping-hierarchical pore structure-conductive polymer coating", the invention effectively addresses the issues of dissolution, low conductivity, and slow kinetics of manganese-based oxides.

21: 2025/02496. 22: 2025/03/24. 43: 2025/09/26
51: G01N
71: Henan University of Urban Construction
72: CHU, Yapei, SONG, Shuaiqi, OUYANG, Kai, LIU, Fei, WANG, Man, WANG, Yingwei, CHU, Dongliang, LU, Qiang, SUN, Yibin, YANG, Han

54: COAL EXPANSION STRESS AND SEEPAGE CHARACTERISTIC MEASURING DEVICE

00: -

Disclosed is a coal expansion stress and seepage characteristic measuring device. The device includes a temperature-changing tank, a gas module, a gas suction pump, a computer, and a strain detector, a temperature detector and a flowmeter that are separately in signal connection to the computer, where the temperature-changing tank is used for placing a coal sample, the gas module is in communication with the temperature-changing tank, the gas module can introduce coal seam gas into the temperature-changing tank, the temperature detector can detect a temperature in the temperature-changing tank, and the computer can control the temperature in the temperature-changing tank, and also can obtain expansion stress and permeability of the coal sample at different temperatures according to detection results of the strain detector, the temperature detector and the flowmeter. The device can conveniently detect the thermal expansion stress of coal and coal seam gas seepage characteristics at different temperatures.

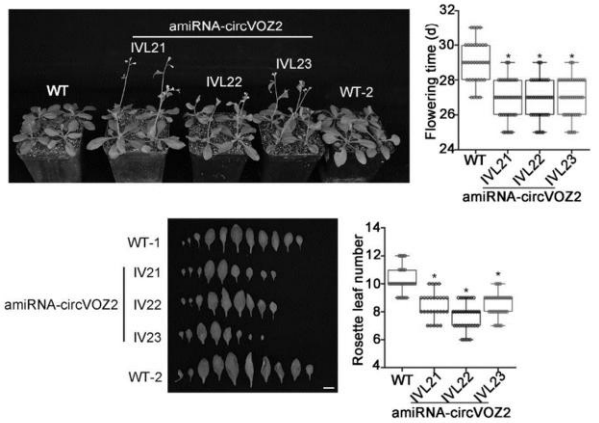


21: 2025/02497. 22: 2025/03/24. 43: 2025/09/26
51: C12N
71: Shandong Agricultural University
72: WANG Xiuling, ZHOU Zhou, CAO Junyuan, MA Jingfang

54: APPLICATION OF CIRCULAR RNA IN REGULATING PLANT FLOWERING PERIODS

00: -

The invention provides an application of circular RNA in regulating plant flowering periods, and relates to the field of molecular biology and biotechnology. For the first time, the invention identifies and characterizes the circular RNA circFLAC from Arabidopsis. Research on this circular RNA reveals that its overexpression can delay flowering time in Arabidopsis, while its knockdown results in an early flowering phenotype. Therefore, the invention provides a method to regulate flowering time in Arabidopsis by modulating the expression of circFLAC. Reducing the expression level of circFLAC can promote early flowering in annual plants or shorten the juvenile phase in perennial plants, demonstrating significant agricultural and economic value.

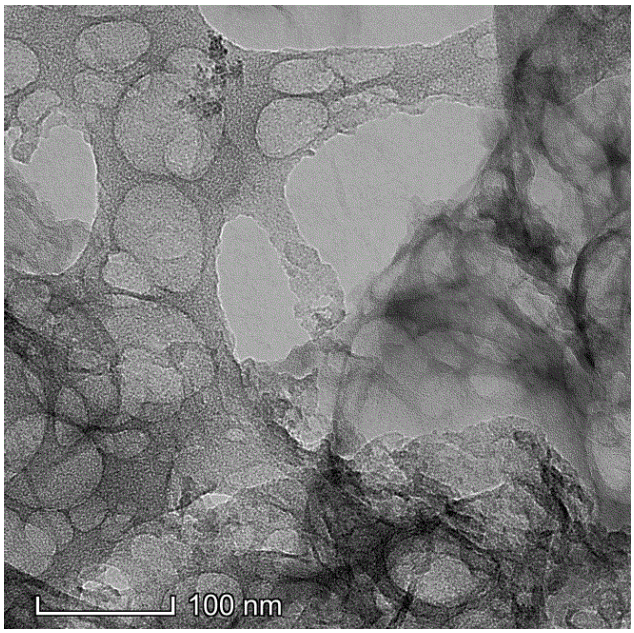


21: 2025/02499. 22: 2025/03/24. 43: 2025/09/26
51: H01G
71: Henan University of Urban Construction
72: TENG Weili, CHEN Zhenfeng, REN Haibo, YANG Hao, GONG Zihe, YOU Wenhan, ZHANG Menghan

54: NITROGEN-OXYGEN DOUBLE-DOPED MULTISTAGE POROUS CARBON, PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention provides a nitrogen-oxygen double-doped multistage porous carbon, preparation method and application thereof, belongs to the technical field of material chemistry preparation of inorganic nonmetallic materials. The material is prepared by following method: cheap diatomite is used as porous template, dopamine is used as raw material, potassium hydroxide and zinc citrate are used as pore-forming agents, and alkaline solution is adsorbed after in-situ polymerization; realizing carbonization, pore-forming and nitrogen element doping simultaneously through one-step high-temperature annealing process, and then removing the template by using alkaline solution while doping oxygen element. The method has the advantages of low cost, convenient operation, short production cycle and easy realization of industrial production; the obtained material not only has a large number of holes but also is successfully doped with nitrogen and oxygen, and can be used as electrode materials and catalytic materials for supercapacitors.

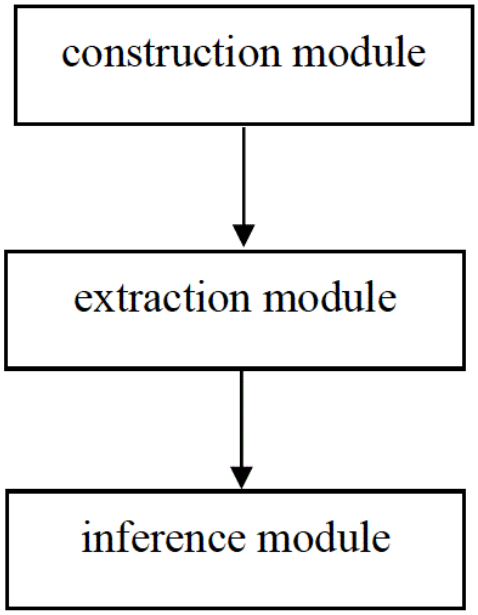


21: 2025/02500. 22: 2025/03/24. 43: 2025/10/07
51: G06F
71: CCCC WUHAN ZHI XING INTERNATIONAL ENGINEERING CONSULTING COMPANY LIMITED, CCCC SECOND HARBOR ENGINEERING COMPANY LTD.
72: Lu Zhao, Wen Liu, Fuqiang Chen, Xue Wang, Xin Jiang, Binbin Guo, Chuang Zhou, Jinzhu Zhu, Shangang Wang, Guojiao Wen, Xiaohong Gao, Zhuo Chen, Jianfeng Liu, Miao Zhang, Weijia Liu, Feng Tao, Yuhao Wu, Biao Xu, Boyang Cui, Zhenlong Wang, Panpan Li
33: CN 31: 2025101218929 32: 2025-01-26

54: GRAPH STRUCTURE RETRIEVAL ENHANCED INTELLIGENT QUESTION-ANSWERING SYSTEM AND METHOD FOR CONSTRUCTION SAFETY

00: -

The present disclosure relates to a graph structure retrieval enhanced intelligent question-answering system and method for construction safety. The system comprises: a construction module, configured to extract entity information and relationship information from historical construction safety management data using a large language model, and to build a construction safety management knowledge graph based on the extracted entity and relationship information; an extraction module, used to recall entity information and relationship information from communities of multiple hierarchical construction safety management knowledge graphs that meet similarity requirements; and an inference module, configured to adopt the large language model on construction safety management query statements to obtain multiple construction safety management SQL query results; The system enables rapid and accurate retrieval of regulations and measures related to specific safety management issues, thereby improving the efficiency and level of construction safety management and meeting the need for quick response to safety management regulations during the construction process.



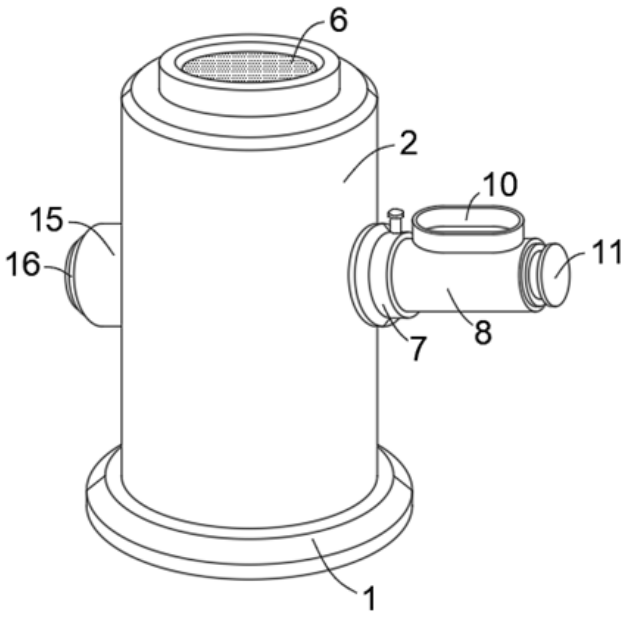
21: 2025/02501. 22: 2025/03/24. 43: 2025/09/29
51: A61D
71: ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY
72: ZHOU, Jiawei, HU, Dong, WU, Jing

54: SIMULATION DEVICE FOR CONSTRUCTING SILICOSIS ANIMAL MODEL

00: -

The present invention discloses a simulation device for constructing a silicosis animal model. It comprises a base with a simulation chamber fixed on top. Inside the chamber, a central plate is connected to a motor at the bottom, which drives a dust fan. An air filter is positioned at the top of the chamber, while a positioning ring on one side holds a movable tube containing a circular grille. The tube features an import at the top and a movable rod at one end. The device simulates the pathological

process of human silicosis by coordinating the simulation chamber, dust fan, movable tube, and tray. The dust fan mixes crystalline silica with air, creating a controlled, long-term respiratory environment that closely mimics actual silicosis conditions. This allows for accurate modelling and study of silicosis development in animals, facilitating research on the disease's mechanisms and potential treatments.

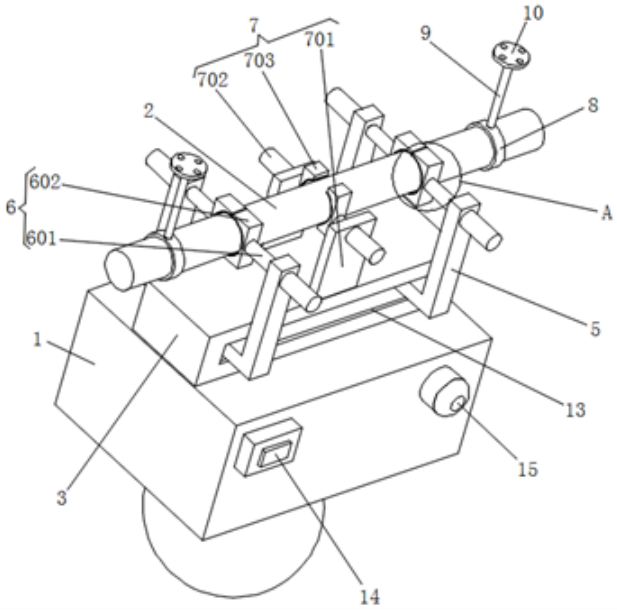


21: 2025/02502. 22: 2025/03/24. 43: 2025/09/29
51: A62B; B66F
71: NORTH CHINA INSTITUTE OF SCIENCE & TECHNOLOGY (CHINA COAL MINE SAFETY TECHNOLOGY TRAINING CENTER)
72: FAN, Guomin, WANG, Caihong, JIANG, Rong, LIU, Juchen

54: SUSPENSION TYPE DOWNHOLE OBSTACLE CROSSING RESCUE ROBOT

00: -

Disclosed is a suspension-type downhole obstacle-crossing rescue robot. It addresses key challenges such as difficulty in navigating support obstacles and slow movement in complex underground rescue environments. The robot comprises a main rescue robot body and a traction hanging rope. The top of the robot body is fixedly connected to a driving box that houses a movable mechanism. This mechanism is connected to front and rear L-shaped support plates, which are equipped with a limiting mechanism on their surface to ensure proper support and stabilization of the robot during operation. The traction hanging rope assists in suspending and guiding the robot down vertical or inclined shafts, while also facilitating the transmission of data and control signals. The incorporation of servo motors, threaded rods, and threaded sleeves enables precise movement and position adjustment of the L-shaped support plates. This allows the robot to traverse any terrain.



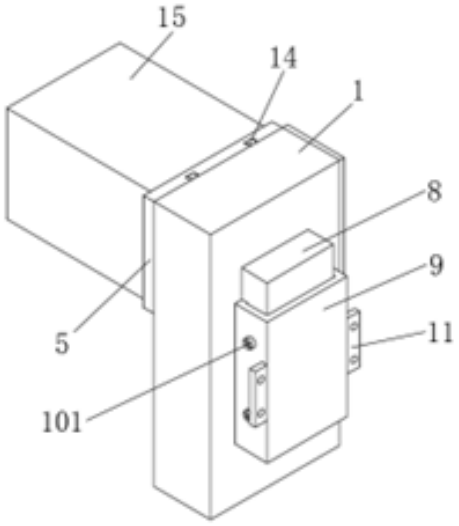
21: 2025/02503. 22: 2025/03/24. 43: 2025/09/29
51: G01F
71: ZHENGZHOU UNIVERSITY, HENAN URBAN AND RURAL PLANNING AND DESIGN RESEARCH INSTITUTE CO., LTD
72: TANG, Yanjie, YUAN, Wenlin, MA, XiaoLi, SU, Chengguo, ZHANG, Di

54: WATER LEVEL MONITORING DEVICE FOR URBAN WATERLOGGING

00: -

Disclosed is an urban waterlogging monitoring and discloses a water level monitoring device comprising an adjustment box. A screw is rotatably connected between the top and bottom of the box via a bearing, with a rectangular plate threaded onto its outer surface. A driving plate is fixed to the left side of the rectangular plate, and a movable plate is slidably connected to the left side of the adjustment box. The driving plate passes through the box and connects to the movable plate. Through the combination of the adjustment box, screw, rectangular plate, driving plate, movable plate, and installation bracket, the

position of the radar water level gauge can be flexibly adjusted. Additionally, an L-shaped plug plate, positioning frame, and limiting component are provided to simplify installation. This structure offers convenient installation and positioning, enhancing adaptability to user needs while maintaining the accuracy of monitoring data in urban waterlogging scenarios.

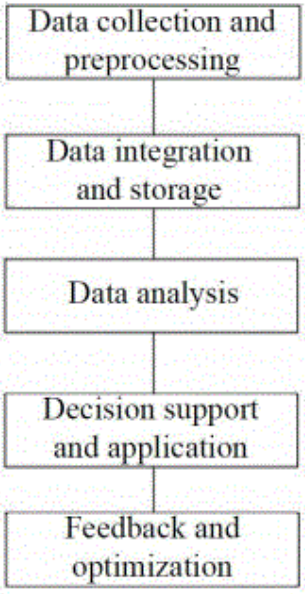


21: 2025/02504. 22: 2025/03/24. 43: 2025/09/29
51: G06Q
71: Henan University of Urban Construction
72: FENG, Qiaojuan, WEI, Xinhong, YANG, Shengyuan, FAN, Yongfeng, ZHOU, Shixiang, ZHAO, Qianqian, LI, Menghao, FU, Yunzhen

54: BIG DATA-BASED COMMODITY SALES MANAGEMENT METHOD

00: -

The present invention discloses a big data-based commodity sales management method, including the following steps: data collection and preprocessing: collecting commodity sales-related data from multiple data sources; data integration and storage: integrating the cleaned data according to a unified data format and classification standard; data analysis: consumer behavior analysis, sales trend forecast, and inventory optimization analysis; decision support and application: generating targeted sales management decision-making recommendations based on the results of data analysis; feedback and optimization: collecting real-time data on actual outcomes of implemented sales management decisions; comparing the real-time data with the forecast results to assess the effectiveness of the decisions; and in case of significant deviations, identifying the causes of the deviations and adjusting the commodity sales management method accordingly. The method may integrate the commodity sales-related data from multiple channels, thereby enhancing the enterprises' sales efficiency, optimizing inventory levels, and strengthening marketing effectiveness.



21: 2025/02505. 22: 2025/03/24. 43: 2025/09/29
51: C09D
71: Henan University of Urban Construction
72: SONG, Chengjian, YANG, Shicheng, SUN, Xiangyi, CHEN, Yingzan, YIN, Jianan, ZHANG, Yanbing

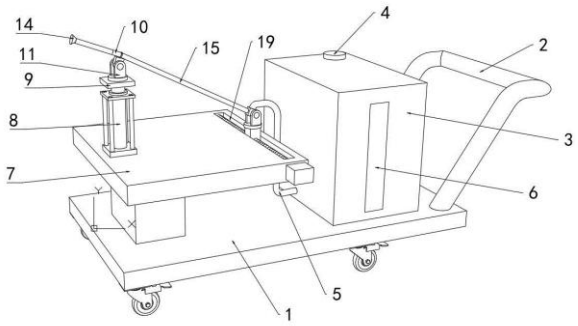
54: MODIFIED HYDROPHOBIC PARTICLES AND PREPARATION METHOD THEREFOR, AND WATER-BASED HYDROPHOBIC COATING AND PREPARATION METHOD THEREFOR

00: -

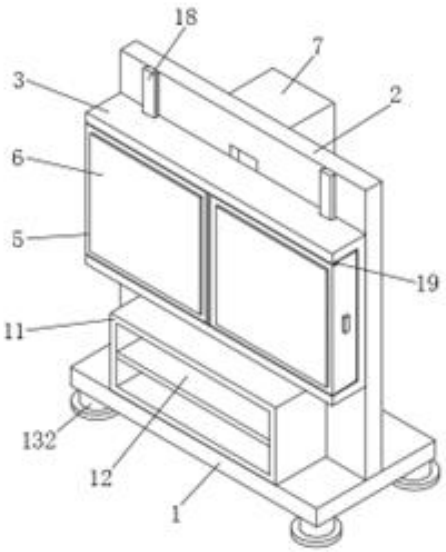
Disclosed in the present invention are modified hydrophobic particles and a preparation method therefor, and a water-based hydrophobic coating and a preparation method therefor. According to the present invention, the method includes the steps of mixing silicon dioxide, ammonia water and a surfactant aqueous solution, and carrying out ultrasonic dispersion to obtain a silicon dioxide dispersion solution; and then, stirring and mixing the obtained silicon dioxide dispersion solution,

tetraethyl silicate and a hydrophobic surface modifying agent, and carrying out filtration to obtain the modified hydrophobic particles. According to the present invention, tridecfluorooctyltriethoxysilane and/or heptadecfluorodecyltriethoxysilane serves as the hydrophobic surface modifying agent, and the silicon dioxide is modified by the surfactant aqueous solution, such that preparation raw materials contain no organic solvent, pollution is avoided, the cost is low, and harm caused by biological accumulation of the organic solvent to an environment and human health is avoided.

21: 2025/02506. 22: 2025/03/24. 43: 2025/09/29
51: A62C
71: Wuxi University
72: JIANG Xiaoyuan, XUE Yuhan, ZOU Yanhua
54: PUBLIC FACILITY BUILDING FIRE SAFETY FIRE EXTINGUISHING SPRINKLER DEVICE
00: -
The present invention relates to the technical field of fire extinguishing sprinklers and discloses a public facility building fire safety fire extinguishingsprinkler device, including: a base, on which a water storage tank and a supportplatform are fixedly installed; a sprinkler assembly, which includes a link rod, a sprinkler head, a first movable block, and a second movable block, the sprinkler head is installed at one end of the link rod, the first movable block is rotatably connected below the link rod, the second movable block is rotatably connected at the other end of the link rod, the link rod is connected to the water storage tank through a water delivery pipe, the first movable block is rotatably connected to the top of a power telescopic component, the power telescopic component is fixedly installed on the support platform, the second movable block is slidably connected to the support platform through a driving component, and the driving component is installed on the support platform. The power telescopic component and the driving component are installed on the support platform, which can conveniently adjust the sprinkling height and angle of the sprinkler assembly, making it more flexible in use.

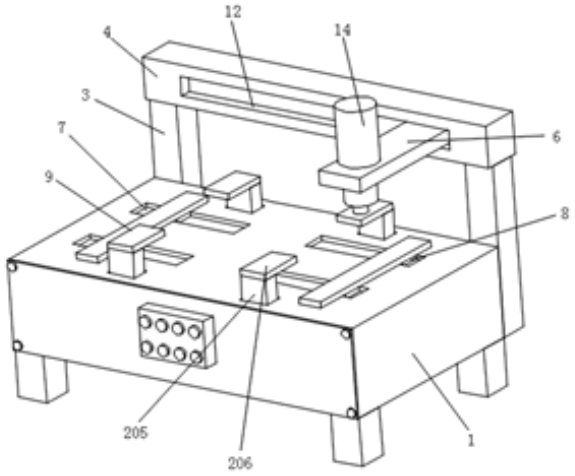


21: 2025/02507. 22: 2025/03/24. 43: 2025/09/29
51: G09B
71: SUQIAN UNIVERSITY
72: LI, Liping, ZHU, Wenying, ZHU, Tianying, WANG, Zhiwang
54: AUXILIARY LEARNING DEVICE FOR PHILOSOPHICAL EDUCATION
00: -
The present invention relates to the field of auxiliary learning technology for philosophical education, and discloses an auxiliary learning device for philosophical education, comprising a counterweight plate. The top of the counterweight plate is fixedly connected to a back plate, and the front of the back plate is slidably connected to a concave frame. The inner cavity of the concave frame is fixedly installed with a display screen body, and L-shaped plates are slidably connected to the left and right sides of the inner cavity of the concave frame. The present invention provides a counterweight plate, a back plate, an adjustment box, a servo motor, a screw, and a rectangular plate to facilitate the adjustment of the height of the device. By setting a concave frame, a display screen body, an L-shaped plate, and a magnetic whiteboard, it is easy to assist in learning philosophical ideas.



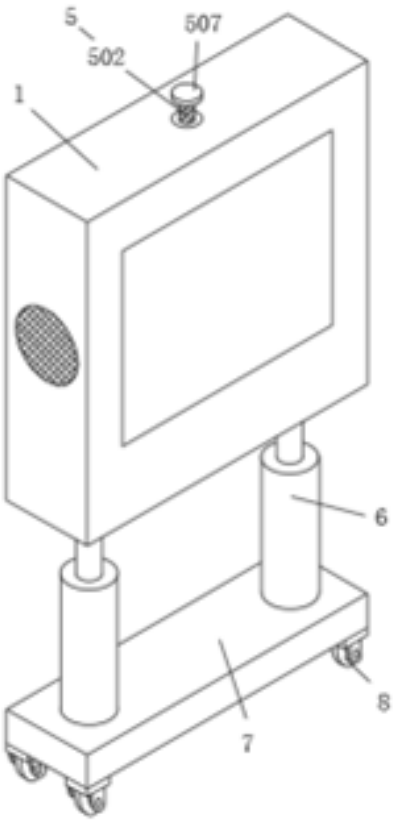
21: 2025/02508. 22: 2025/03/24. 43: 2025/09/29
51: B23K; C22F
71: LIAONING UNIVERSITY OF TECHNOLOGY
72: ZHU, Xiaoou, LIU, Zhanq
54: LASER WELDING EQUIPMENT FOR PROCESSING TITANIUM ALLOY MATERIALS
00: -

A laser welding equipment for processing titanium alloy materials,. The device comprises a welding table, and the top of the welding table is provided with a fixed mechanism. The left and right sides of the back of the welding table are fixedly connected to vertical columns, and the top of the vertical column is fixedly connected to a driving box. The present invention facilitates welding and processing of titanium alloy materials by setting up a welding table, a horizontal plate, and a laser welding joint. By setting up a first motor, a first threaded rod, a first threaded sleeve, a bearing plate, a vertical plate, and a pressure plate, the titanium alloy material can be fixed at multiple points, resulting in good fixing effect and high welding efficiency. At the same time, it can also perform single point fixed splicing on multiple titanium alloy materials.



21: 2025/02509. 22: 2025/03/24. 43: 2025/09/29
51: G06F
71: HUAINAN NORMAL UNIVERSITY
72: ZHAO, Peng
54: COMPUTER INFORMATION BIG DATA DISPLAY DEVICE
00: -

A computer information big data display device, comprising a housing and a display screen. The bottom of the inner cavity of the housing is provided with first shock absorption components on both sides, and the top of the first shock absorption component is provided with an installation component. In the present invention, by setting the housing, the display screen can be protected from external dust pollution, and external objects can be prevented from directly colliding with the display screen, causing damage, by setting up a first shock absorption component and a second shock absorption component, wherein the first shock absorption spring and the second shock absorption spring can effectively counteract the vibration of the display screen in the vertical direction by the elastic force generated by their cooperation when the display screen vibrates, thereby achieving the purpose of shock absorption.

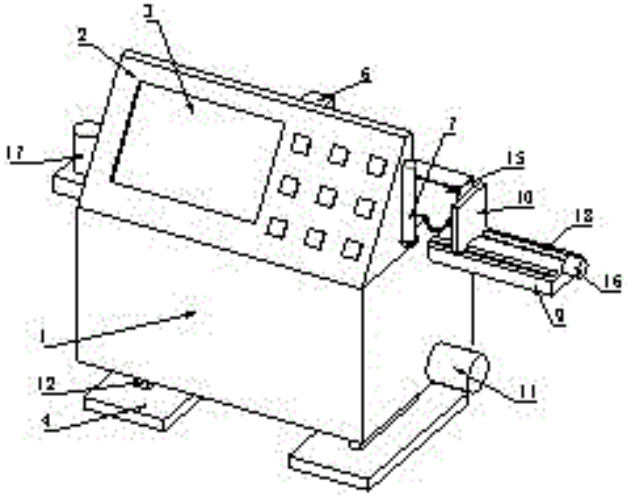


21: 2025/02510. 22: 2025/03/24. 43: 2025/09/29
51: A61M
71: AFFILIATED HOSPITAL OF NANTONG UNIVERSITY
72: MA Xiaqing, QIN Yibin, YANG Rongrong, GAO Yongtao, CHEN Hongsheng, LU Cuie

54: DEVICE FOR REMOTELY CONTROLLING MICRO-INFUSION PUMP BASED ON APPLICATION

00: -

Disclosed is a device for remotely controlling a micro-infusion pump based on an application (APP), falling within the technical field of infusion pumps. A device body is included, and a restriction mechanism is arranged between the device body and support plates. Through the restriction mechanism, staff can easily fix the infusion pump on fixing frames with different sizes and shapes, which improves the flexibility and universality of the infusion pump, facilitating the easier installation and fixation for the staff, enhancing the stability of the infusion pump, and reducing the risk of loosening and displacement due to external force.

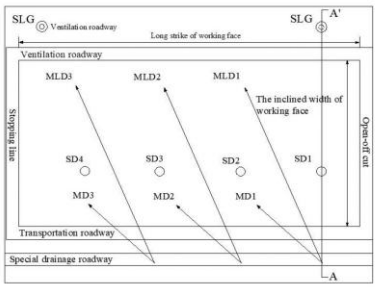


21: 2025/02513. 22: 2025/03/24. 43: 2025/09/29
51: E21C
71: Anhui Hengyuan Coal Industry and Electricity Power Co., Ltd., SUZHOU UNIVERSITY, Huaibei Mining Co., Ltd.
72: HU, Ru, LI, Liangang, GUI, Herong, WEI, Dayong, GUO, Xiangdong, GAO, Chuan, YU, Hao, GUO, Yan, XU, Jiying, HU, Yang, LI, Jun

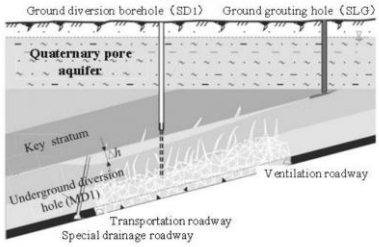
54: QUANTITATIVE IDENTIFICATION AND PREVENTION METHOD FOR MINING-INDUCED ROOF SEPARATION

00: -

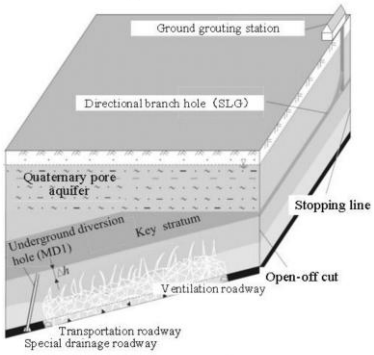
The present invention relates to the technical field of coal mine safe mining, specifically disclosing a method for quantitative identification and prevention of mining-induced roof separated layers. The method comprises the following concrete steps: key stratum identification method, separated layer type discrimination, maximum separated layer quantity calculation, establishment of criteria for hazardous separated layer determination, and separated layer water hazard prevention. The beneficial effects of the invention include: enhanced identification accuracy of separated layer positions, improved utilization rate of grouting materials, increased success rate in preventing separated layer water hazards, and elevated surface subsidence reduction ratio.



(a) plane graph



(b) A—A' sectional view



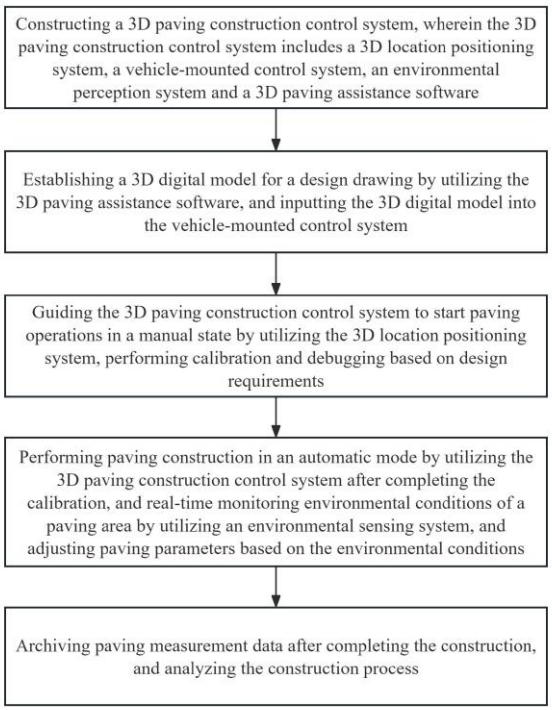
(c) stereograph

21: 2025/02514. 22: 2025/03/24. 43: 2025/09/29
51: E01C
71: CHINA RAILWAY THIRD DIVISION GROUP CO., LTD, CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD.
72: FAN, Lizhi, ZHANG, Xugang, FENG, Li, FU, Chongyang, WU, Yongzhen, GAO, Boyang, ZHENG, Kangyu, CAI, Xiao, WANG, Yingkai, WAN, Yunqian, ZHANG, Zefeng, FU, Jing, ZHANG, Zhibin

54: METHOD AND SYSTEM FOR 3D PAVING CONSTRUCTION OF ASPHALT PAVEMENT

00: -

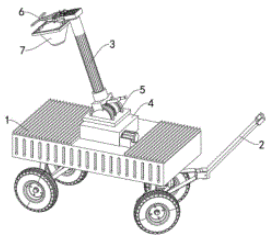
A method and a system for 3D paving construction of asphalt pavement are provided, which relates to the technical field of pavement paving. The method includes: constructing a 3D paving construction control system, wherein the 3D paving construction control system includes a 3D location positioning system, a vehicle-mounted control system, an environmental perception system and a 3D paving assistance software; establishing a 3D digital model for a design drawing by utilizing the 3D paving assistance software, and inputting the 3D digital model into the vehicle-mounted control system; guiding the 3D paving construction control system to start paving operations in a manual state by utilizing the 3D location positioning system, performing calibration and debugging based on design requirements, after completing the calibration, performing paving construction in an automatic mode by utilizing the 3D paving construction control system, and real-time monitoring environmental conditions of a paving area by utilizing an environmental sensing system, and adjusting paving parameters based on the environmental conditions; and archiving, after completing the construction, paving measurement data, and analyzing the construction process. The present disclosure may address issues in traditional road paving construction, such as difficulties in quality control, low efficiency indicators, and high cost inputs, thereby improving construction efficiency.



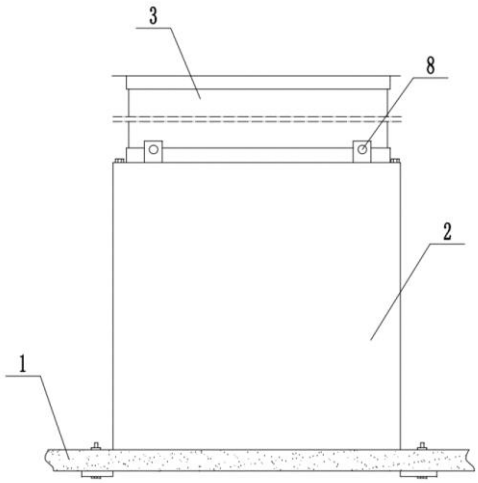
21: 2025/02516. 22: 2025/03/24. 43: 2025/09/29
51: A61K; C07K; C12N; G01N; A61P
71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., SHANGHAI HENLIUS BIOLOGICS CO., LTD.

72: CHANG, Jen-Kuan, XU, Wenfeng, JIANG, Wei-Dong, ISSAFRAS, Hassan, XUE, Jie, LIN, Pei-Hua
33: CN 31: PCT/CN2022/120415 32: 2022-09-22
54: ANTI-B7H3 ANTIBODIES AND METHODS OF USE
00: -
The present application discloses antibodies and antibody derivatives that bind to B7H3 (also known as CD276) and methods of using the same. The antibodies or antibody derivatives comprise a single domain antibody that binds to B7H3.

21: 2025/02538. 22: 2025/03/25. 43: 2025/09/29
51: A01D
71: Shandong Province Institute for the Control of Agrochemicals (Shandong Province Agrochemicals Quality Inspection Station)
72: LI, Xiangyang, XUE, Wen, ZHANG, Guofu, ZHANG, Yaozhong, FAN, Kun
33: CN 31: 202510106325.6 32: 2025-01-23
54: ELECTRIC POWER-ASSISTED HAND-PROPELLED PICKING DEVICE FOR PICKING POMEGRANATES
00: -
Disclosed in the present invention is an electric power-assisted hand-propelled picking device for picking pomegranates, which relates to the technical field of picking of pomegranates. The device is used for picking the pomegranates and includes a carrier body and a first handle for controlling movement of the carrier body. The carrier body is internally provided with a telescopic picking rod for providing assistance in picking the pomegranates at different heights, the carrier body is further internally provided with a rotating assembly and an angle adjusting assembly for adjusting an overall angle and orientation of the telescopic picking rod, and an adjusting and pruning assembly for pulling and shearing off distant pomegranate branches is further arranged at a top end of the telescopic picking rod.

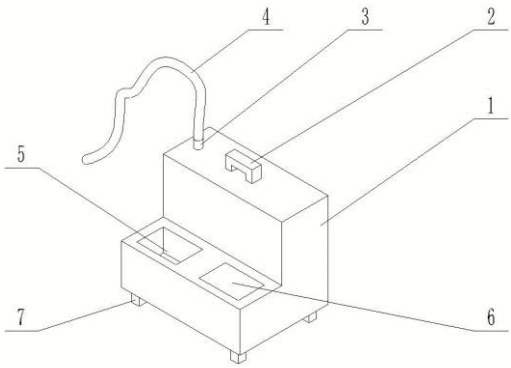


21: 2025/02539. 22: 2025/03/25. 43: 2025/09/29
51: E05F
71: XIAN, Min
72: XIAN, Min
54: FIRE-FIGHTING SMOKE EXHAUST PORT
00: -
Disclosed is a fire-fighting smoke exhaust port. The fire-fighting smoke exhaust port includes a smoke exhaust port frame body which can penetrate a ceiling, a negative-pressure exhaust pipe, and a smoke exhaust port door panel, where a bottom of the smoke exhaust port frame body is provided with a limiting table. One side of the smoke exhaust port door panel is provided with a rotating shaft, and a driving device can drive the smoke exhaust port door panel to reciprocate around the rotating shaft. An annular sealing groove is arranged on the limiting table, a sealing structure is arranged in the sealing groove, an annular inserting plate is arranged at a bottom of the smoke exhaust port door panel, the inserting plate can be inserted into the sealing groove, and the smoke exhaust port frame body and the smoke exhaust port door panel are in a sealed state.



21: 2025/02541. 22: 2025/03/25. 43: 2025/09/29
51: G01N
71: Shantou Polytechnic
72: WU Junji, ZHANG Huijuan, ZONG Tao, WANG Zhilin, BAI Ren'ao, CAI Jingxin, YAO Xiaosheng, WANG Shen, CHEN Haojia
54: DETECTION DEVICE FOR ENDOCRINE DISRUPTORS IN DRINKING WATER SOURCES
00: -
The invention diskloses a detection device for endocrine disruptors in drinking water sources,

comprising a main body, wherein the main body is detachably connected to a hose, one end of the hose away from the main body extends into the water, the hose is marked with scales, one end of the hose away from the main body is detachably connected to a weight, a rotating assembly is installed inside the main body, a plurality of detection bottles are circumferentially installed on the top of the rotating assembly, a water pumping assembly is arranged above the detection bottles, and the water pumping assembly is fixedly connected to the inner wall of the main body. The invention adopts a detachable connection mode to facilitate the maintenance, cleaning and replacement of parts of the equipment. Scale marks are used on the hose, which is convenient for users to know the depth of the hose into the water and ensure the accuracy of sampling. The setting of the counterweight ensures that the hose sinks stably into the water at the specified depth.

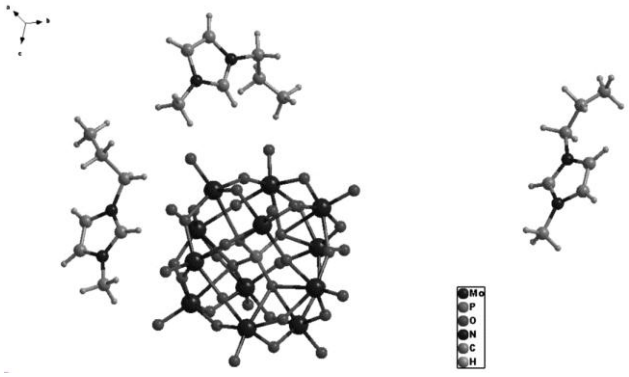


21: 2025/02542. 22: 2025/03/25. 43: 2025/09/29
51: C07D
71: Henan University of Urban Construction
72: CAI Bin, MENG Yuning, HU Jiyong, ZHU Jide, AN Yibo, WU Xingguang, WU Cencen, LIN Hongqing, ZHANG Jiawei

54: POLYACID-BASED IONIC LIQUID GREEN CATALYST AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention belongs to the field of green catalytic new materials, and more specifically, relates to a polyacid-based ionic liquid green catalyst, its preparation method and application. The invention uses ionic liquid MPIMI as the counter cation source and H3PMo12O40 nH2O as the molybdenum source to synthesize the polyacid-based ionic liquid compound (MPIM)3[PMo12O40]. This compound, as a catalyst, features high catalytic activity, self-separation of products, and recyclability, solving the problem of AR73 wastewater decolorization while achieving the goal of removing its environmental toxicity.

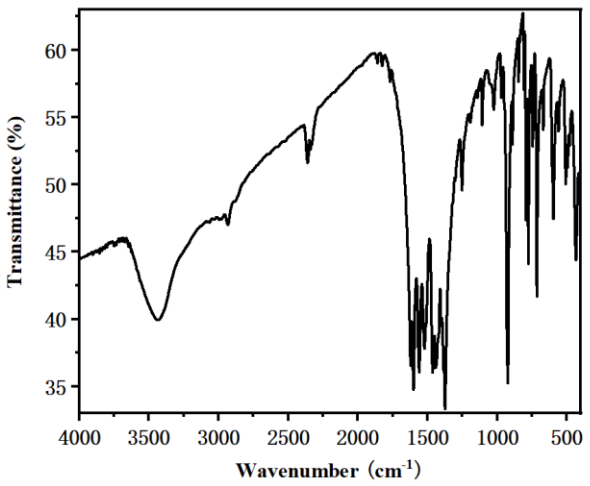


21: 2025/02543. 22: 2025/03/25. 43: 2025/09/29
51: C07F
71: Henan University of Urban Construction
72: MENG Yuning, CAI Bin, HU Jiyong, LIU Ruanxiang, SONG Shihe, JIN Ruyu, FENG Guijiao, YIN Chao, BAO Han

54: EUROPIUM COMPLEX, PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention belongs to the technical field of new materials for environmental protection, in particular to a europium complex, preparation method and application thereof. The invention provides a synthesis of europium complex fluorescent probe based on mixed ligands of 5- methyl isophthalic acid and tripyridine and its application in detecting benzophenone. The europium complex is obtained by mixing 5-Me-1,3-bdcH2, tpy and europium nitrate hexahydrate, adding water, adjusting the pH value to 2-5 with sodium hydroxide, uniformly stirring, heating, reacting, cooling, washing and drying. Furthermore, the luminescent sensor has excellent sensitivity and adjustable optical characteristics.

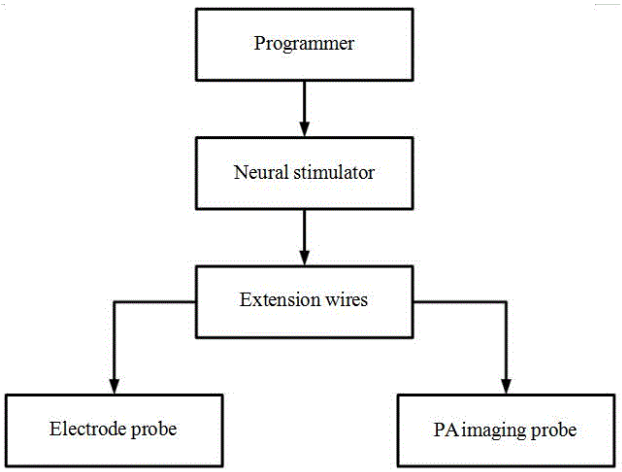


21: 2025/02544. 22: 2025/03/25. 43: 2025/09/29
51: A61N
71: DONGGUAN PEOPLE'S HOSPITAL
72: Song Cao, Jing Mou, Jintao Zhai, Chuan Liu, Weihong Li

54: RADIO FREQUENCY ELECTRICAL STIMULATION REGULATION SYSTEM FOR CHRONIC PAIN MANAGEMENT

00: -

A radio frequency electrical stimulation regulation system for chronic pain management includes a neural stimulator, an electrode probe, a PA imaging probe, extension wires, and a programmer. The invention introduces a multi-spectral optoacoustic imaging technology, which captures optoacoustic spectral images of tissue samples under multiple wavelengths; by calculating the signal intensity ratio between the target neural tissue and the entire tissue sample in the optoacoustic spectra, the system precisely locates the boundaries of the electrical stimulation area; the invention employs the target neural boundary detection method to filter out non-specific signal spectra in the optoacoustic spectral images, thereby addressing potential sources of signal noise.

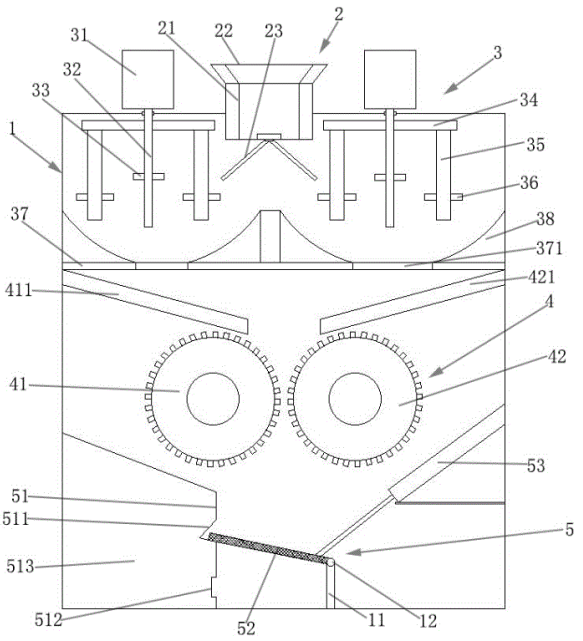


21: 2025/02546. 22: 2025/03/25. 43: 2025/09/29
51: B02C
71: Inner Mongolia Academy of Agricultural & Animal Husbandry Sciences
72: Yanan LIU, Zhanyuan LU, Fengcheng SUN, Yuchen CHENG, Yongfeng REN
33: CN 31: 2024107585325 32: 2024-06-13

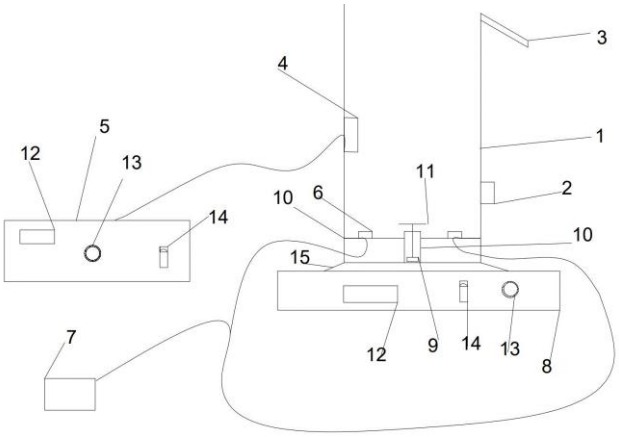
54: CRUSHING DEVICE FOR ORGANIC FERTILIZER PRODUCTION

00: -

The present invention belongs to the technical field of organic fertilizer production equipment, and relates to a crushing device for organic fertilizer production, comprising a pulverizing box (1), wherein a feeding structure (2) is provided on the top of the pulverizing box (1), and a first pulverizing mechanism (3), a second pulverizing mechanism (4) and a filtering mechanism (5) are provided in the pulverizing box (1) from top to bottom. The organic fertilizer production pulverizing device of the present invention can perform two- stage pulverizing treatment on organic materials by providing the above-mentioned structure of the first pulverizing mechanism and the second pulverizing mechanism, thereby facilitating ensuring the pulverizing effect.



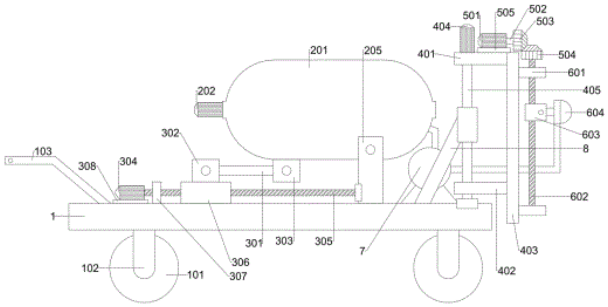
21: 2025/02548. 22: 2025/03/25. 43: 2025/09/29
51: B08B
71: Wuhan University of Technology
72: REN Liuyi, ZENG Yanqi, LOU Sidi, YAO Yijia, BAO Shenxu, ZHANG Yimin, HUANG Rui, YANG Siyuan, ZHANG Xinyu, CHEN Bo, SHI Haodong
54: ULTRASONIC MAGNETIC STIRRING FLOTATION DEVICE
00: -
The invention belongs to the technical field of microbubble flotation, in particular to An ultrasonic magnetic stirring flotation device, comprising the flotation tube is used for containing minerals, and the bottom end of the flotation tube is provided with a base; the magnetic stirring component is arranged at that bottom of the flotation tube and is used for stirring minerals during flotation; the ultrasonic cavitation component is arranged inside the flotation tube and used for oscillating and crushing minerals; the gas generating component is arranged at that bottom of the flotation tube and is used for generating bubbles during flotation. According to the invention, the stirring speed is controlled by controlling the knob of the magnetic stirrer, so that the gas permeates the ceramics to generate bubbles, and the slurry is promoted to be mixed uniformly through the oscillation of ultrasonic waves, and the fine bubbles generated by cavitation promote the flotation of fine minerals, thus providing an important theoretical basis for the micro-bubble flotation.



21: 2025/02549. 22: 2025/03/25. 43: 2025/09/29
51: C05G
71: Shantou Polytechnic
72: LIU Na
54: PESTICIDE RESIDUE DEGRADING AGENT AND ITS PREPARATION METHOD
00: -
The present invention provides a pesticide residue degrading agent and its preparation method, belonging to the technical field of degrading agent preparation.The pesticide residue degrading agent includes the following components by weight: protein powder 10-15 parts, ternary composite nanoparticles 0.5-3 parts, sodium benzoate 1-4 parts, melatonin 4-8 parts, eco-friendly enzyme 2-4 parts, and traditional Chinese medicine (TCM) composition 0.5-4 parts. The ternary composite nanoparticles are SiO2/MOF-5/TiO2 ternary composite nanoparticles with a particle size of 100-200 nm. The TCM composition is prepared from honeysuckle, smilax glabra, dandelion, isatis root, and water. The eco-friendly enzyme is prepared from apples and water. The synergistic interaction of the components in the degrading agent effectively removes pesticide residues from crops, offers convenience in use, low cost, and high efficiency, reduces pesticide residues in agricultural products, improves product quality, and is suitable for large-scale application.

21: 2025/02550. 22: 2025/03/25. 43: 2025/10/07
51: A01C
71: Shandong Institute of Pomology
72: ZHU Min, WEI Hairong, TAN Yue, XU Li, ZENG Peiyuan

33: CN 31: 2025102304461 32: 2025-02-28
54: FERTILIZING DEVICE FOR ORCHARDS
00: -
The invention relates to the technical field of agricultural fertilization devices, in particular to a fertilizing device for orchards, which specifically comprises a platform, a stirring component, a blanking component, a rotating component, a transmission component, a lifting component and a water pump; the device can freely adjust the spraying height and spraying angle of the sprinkler according to the height of fruit trees, so as to improve the fertilization effect and efficiency, and the device has the advantages of simple structure, convenient operation, reasonable design, low failure rate and low maintenance cost.



21: 2025/02555. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MANDHARE, Prajakta Subhash, SHEVATE, Anushka Vitthal, CHILLAL, Tanvi Amar, JAIN, Himanshi Girish, KODMELWAR, Manohar, DEDGAONKAR, Suruchi, MAGAR, Hanmant, BIRARE, Komal
54: A WEB BASED MENTAL HEALTH SYSTEM FOR AFFORDABLE YOUTH THERAPY
00: -
The present invention is related to a web based mental health system for affordable youth therapy. This invention is designed to provide affordable and accessible therapy for young adults. The system uses a stage-wise interface to guide users through their mental health journey, offering structured support, affordable therapy sessions, and a comprehensive set of self-help tools. It aims to reduce the barriers of cost, complexity, and stigma associated with seeking mental health support.

21: 2025/02556. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MULEY, Sneha, SHINDE, Pranusha, SAPAR, Nupur, MAINDALKAR, Aayushi, KODMELWAR, Manohar, FUTANE, Pravin, SHELKE, Ganesh, SURYAVANSHI, Amol
54: A DIRECT JOB-CONNECTING SYSTEM FOR DAILY WAGE WORKERS
00: -
The present invention is related to a direct job-connecting system for daily wage workers. The invention is a job-connecting platform designed to match daily wage laborers with employers without the need for brokers. The system enables laborers to list their skills, availability, and job preferences while allowing employers to search and filter workers based on their needs. With direct communication and a verification system, the invention creates a more efficient, transparent, and cost-effective hiring process for both parties.

21: 2025/02557. 22: 2025/03/25. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANDRE, Chetan, Himanshu, BHATAGALIKAR, Varad, GADEWAR, Sohan, KODMELWAR, Manohar, MIRAJKAR, Riddhi, SURYAVANSHI, Amol, MAGAR, Hanmant
54: A DESIGN THINKING BASED SYSTEM FOR LOST AND FOUND ITEMS
00: -
The present invention is related to a design thinking based system for lost and found item. The invention is a user-friendly platform designed to facilitate the reporting, tracking and recovery of lost items. The system designed for private, community and public spaces, uses a combination of real-time alerts, secure messaging and map integration to successfully reconnect users with their lost possessions. The invention prioritizes privacy and security, providing intuitive interfaces for quick product searches and communication between searchers and owners. Applying design thinking principles, 'Look for IT' increases user engagement and maximizes collaboration locally, reducing stress and inefficiencies often associated with lost tracks and of the findings.

21: 2025/02558. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BOGE, Prathmesh Laxman, BHOPALE, Aryan Shivaji, PATIL, Arpita Sandip, BAVDHANKAR, Pranav Pramod, KODMELWAR, Manohar, FUTANE, Pravin, SHELKE, Ganesh, BHIMANPALLEWAR, Ratnmala
54: AN IOT BASED REALTIME TRACKING SYSTEM FOR WOMEN'S SAFETY AND SECURITY
00: -
The present invention is related to an IoT based realtime tracking system for women's safety and security. The invention is designed to ensure women's safety, security and well-being. This user-centric platform integrates advanced technologies and community support, empowering women to live confidently and independently. The primary objectives behind the development of the invention are to enhance personal safety by providing users immediate assistance and protection, prevent harassment by empowering women to prevent and report harassment, ensure emergency support by connecting users with authorities, friends and family, promote awareness by educating users on safety tips and best practices as well as foster community by creating support networks for shared experiences.

21: 2025/02559. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: THAKUR, Kushal, SAPROO, Sumrit, SHIROLE, Ishwari, SHARMA, Praniti, KODMELWAR, Manohar, FUTANE, Pravin, DEDGAOKAR, Suruchi, SUKTE, Chudaman
54: A MACHINE LEARNING BASED CROP YIELD PREDICTION AND RESOURCE MANAGEMENT SYSTEM
00: -
The present invention is related to a machine learning based crop yield prediction and re-source management system. The invention provides a machine learning based system for crop yield prediction and resource optimization. By analyzing data such as soil nutrients, weather conditions and historical crop yields, the system helps farmers make informed decisions regarding crop selection and resource management. The system enhances yield prediction accuracy and reduces resource wastage, making it a valuable tool for sustainable agriculture.

21: 2025/02560. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SONAWANE, Moulik, GAIKWAD, Pranav, SHENDE, Yash, KADAM, Priyanshu, KODMELWAR, Manohar, PATHAK, Kishor, PAWAR, Sonali, BHIMANPALLEWAR, Ratnmala
54: A FLUID, EFFICIENT AND INTERACTIVE ASSESSMENT SYSTEM FOR IMPROVING OVERALL PUBLIC TRANSPORTATION ECOSYSTEM
00: -
The present invention is related to a fluid, efficient and interactive assessment system for improving the overall public transportation ecosystem. This invention introduces a comprehensive public transportation feedback mechanism designed to facilitate real-time user interaction and data collection. The system features three main components: user experience feedback, service recommendations, and demographic information collection. By enabling dynamic interactions, the invention aims to improve the overall public transportation experience and inform future service enhancements.

21: 2025/02561. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PANDE, Sujay Suhas, LATPATE, Vivek Namdev, JAWAHIRE, Prathamesh Sandeep, WIKHE, Shourya Gajanan, KODMELWAR, Manohar, PATHAK, Kishor, SUKTE, Chudaman, PAWAR, Sonali
54: A WEBSITE BASED APPOINTMENT BOOKING SYSTEM FOR HOSPITAL OUTPATIENT DEPARTMENTS MANAGEMENT
00: -
The present invention is related to a website based appointment booking system for hospital outpatient departments (OPD) management. The invention provides a web-based OPD appointment booking system designed to simplify and automate the process of managing outpatient department

appointments. The system integrates with hospital databases, offers real-time availability, and provides notifications, improving efficiency and reducing human error. The OPD Management System allows patients to book appointments with doctors online. It features a user-friendly interface, real-time schedule updates, and integration with hospital databases. The system includes patient authentication, appointment reminders, and an encrypted communication channel for secure data handling. Components include a server for hosting the website, a data-base for storing information, and a user interface for interaction.

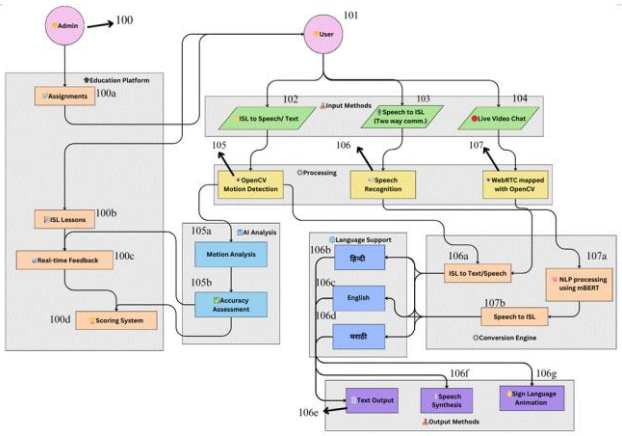
21: 2025/02562. 22: 2025/03/25. 43: 2025/10/13
51: H04W
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PANDITA, Suhani, CHAVAN, Tanishka Anil, MORE, Prajkta Vishal, TOSHNIWAL, Apurva Jitendrakumar, KODMELWAR, Manohar, SUKTE, Chudaman, WANKHADE, Shalini, BHANDARI, Mahesh
54: A REAL-TIME SOS ALERT SYSTEM DESIGNED FOR INDIVIDUALS IN URBAN AND SUBURBAN AREAS
00: -
The present invention is related to a real-time SOS alert system designed for individuals in urban and suburban areas. The invention is a web and mobile based system designed to enhance personal safety for individuals in emergencies. By leveraging real-time location tracking and communication technologies, it sends instant SOS alerts to nearby users, facilitating quick responses. The system simplifies emergency management and provides users with clear directions to help, ensuring that assistance is always within reach. Tailored specifically for individuals seeking reliable safety solutions, the invention empowers users to connect with their community during critical moments, enhancing overall safety and peace of mind.

21: 2025/02563. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PATIL, Sanket Suresh, KOLTE, Soham Nilesh, TIWAREKAR, Vighnesh Santosh, DHANVATE, Darshan Dattatray, KODMELWAR, Manohar, WANKHADE, Shalini, SUKTE, Chudaman, BHANDARI, Mahesh
54: A WEB-BASED SYSTEM FOR ANALYZING THE IMPACT OF BANNERS AND HOARDINGS ON PUBLIC AWARENESS, BEHAVIOR AND ENGAGEMENT
00: -
The present invention is related to a web-based system for analyzing the impact of banners and hoardings on public awareness, behavior and engagement. This invention is a web-based system aimed at promoting environment friendly advertising by replacing traditional banners and hoardings with digital banners and QR codes. The system collects and analyzes data on public engagement, tracking geo-location, behavioral data, and user feedback to evaluate the effective-ness of these digital alternatives. Key features include real-time data tracking, an analytics dash-board for trend visualization, and a reporting functionality for both clients and the public. This reporting feature enables clients to monitor ad performance and allows the public to report issues, enhancing transparency and promoting sustainable advertising strategies.

21: 2025/02564. 22: 2025/03/25. 43: 2025/10/13
51: G09B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SHEIKH, Numan Firoz, JADHAV, Harsh Rohit, DEVMUNDE, Sanket Bhausaheb, JAIN, Sourav Mandot, PATIL, Amol V., GAIKWAD, Vidya S., PANDIT, Pranjal S., YENKIKAR, Anuradha V.
54: A DYNAMIC EXAM MASTERY SYSTEM FOR TAILORED LEARNING EXPERIENCE
00: -
The present invention is related to a dynamic exam mastery system for tailored learning experience. This system by artificial intelligence is designed to help in examination preparation for students. Adaptive exam mastery system is one of its kinds that applies adaptive testing, performance analytics, and focused study resources for students. Major components required for the system are AI algorithm for adaptive learning, database for question bank, user interface, real-time feedback module and analytics dashboard. The algorithm is linked with a database to determine chosen questions based on student's progress. It gives learning material and assessments dynamically adaptive relative to a student's

interactions. The invention designed for real-time feedback offers immediate responses regarding each inquiry. The analytics dashboard will allow students to track progress over a set period and change their prepared approach accordingly.

21: 2025/02565. 22: 2025/03/25. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JADHAV, Parth Ravindra, AWARE, Vedant Santosh, GAIKWAD, Prajwal Dilip, PIMPARKAR, Avdhoot Nilesh, PATIL, Amol V., GAIKWAD, Vidya S., YENKIKAR, Anuradha V., MEHTA, Pradnya S.
54: AN INTELLIGENT SYSTEM FOR TRANSLATING INDIAN SIGN LANGUAGE INTO SPEECH AND TEXT
00: -
The present invention is related to an intelligent system for translating Indian sign language into speech and text. This is a hybrid system, which uses the power of computer vision with NLP for the translation of Indian Sign Language to text and, many times, to audio. Users can interact with the system through text, speech as well as ISL gestures, thus promoting two-way communication for visually impaired people. This invention has a learning part that seeks to offer immediate feedback for all learners through the intervention bag, among many other inter-active ISL courses and learning materials in Hindi, English, and Marathi. Such an approach speaks to professional support that can be called on and intensify improvement in activities in care, education, and work within health services because barriers in communication are reduced and the potential of ISL learners is guaranteed for success.



21: 2025/02566. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KIRLOSKAR, Tanvi Sudhir, MUTHA, Vidhi Ramalingam Lingam, NAMJOSHI, Advait Samir, BADVE, Aneesh Vinayak, KODMELWAR, Manohar, CHAVAN, Gurunath, BHANDARI, Mahesh, PAWAR, Sonali
54: AN INTUITIVE AND SEAMLESS SYSTEM FOR AUTOMATION OF GROUP EXPENSE MANAGEMENT
00: -
The present invention is related to an intuitive and seamless system for automation of group expense management. The invention is designed to simplify the process of splitting bills among groups of people. The system allows users to create groups, add members, and assign different roles or contribution percentages. Users can upload bills or manually input expenses, and the app automatically calculates how much each person owes, including adjustments for shared or partial contributions. Key components of the system are user interface - for group creation, expense in-put, and real-time calculations, back-end algorithm - for distributing expenses based on user-defined splits and rules, currency converter - for international usage, database - to store users, groups, and expenses. The system interface is easy to navigate, and the back-end handles the logic for accurate, fair splitting of expenses.

21: 2025/02567. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: WANOLE, Tejas Vilas, KALE, Nirant Manesh, SHAIKH, Faraz Abid, CHAVAN, Durvesh Anil, KODMELWAR, Manohar, CHAVAN, Gurunath, SUKTE, Chudaman, WANKHADE, Shalini

54: A MACHINE LEARNING BASED FINANCE MANAGEMENT SYSTEM FOR MIDDLE AND LOWER MIDDLE CLASS FAMILIES

00: -

The present invention is related to a machine learning based finance management system for middle and lower middle class families. The invention uses machine learning and set-theory-based financial models to provide personalized financial advice. It helps users optimize their budgeting, savings, and debt repayment strategies based on their unique income and expense pat-terns. Designed specifically for the needs of middle and lower-income groups, the system simplifies financial management and offers predictive insights for better future financial planning. The inventive feature lies in the use of set theory and machine learning models to provide highly personalized financial guidance. Unlike existing solutions, this invention focuses on the unique financial constraints of middle and lower-middle-class families, and optimizes resources with tailored advice. It also reduces the cost of financial planning by eliminating the need for third-party financial advisors.

21: 2025/02568. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BAGAL, Naisargi Manoj, DINGREJA, Kashish Sunil, KATHALE, Samruddhi Subhash, SAWALKAR, Janvi Prashant, YENKIKAR, Anuradha V., GAIKWAD, Vidya S., BANCHHOR, Chitrakant, PANDIT, Pranjal S.

54: AN AI-BASED PSYCHOMETRIC EVALUATION SYSTEM FOR PERSONALITY INSIGHTS USING TEXT AND VIDEO DATA

00: -

The present invention is related to an AI-based psychometric evaluation system for personality insights using text and video data. This innovation involves the development of a psychometric assessment- Artificial intelligence for personality evaluation founded on text analysis and real-time facial recognition. During a web-camera records their reaction, the users complete the subjective test. Emotional markers are monitored by employing computer vision while textual responses are analyzed by natural language understanding. Using the various data inputs, a com-prehensive personality profile is obtained, and it is presented to the user in the form of a personal feedback control panel. The interactive AI-based psychometric assessment is developed to measure and estimate personality indicators on the basis of text and video data with the help of sophisticated algorithms and methods of machine learning. Text inputs are pre-processed using the BERT transformer model, facial recognition is done using OpenCV and both text and video in-puts are processed, written and numerical, using TensorFlow libraries. By integrating these technologies, the system creates a comprehensive psychometric profile of users based on the widely accepted personality dimensions across multiple axes.

21: 2025/02569. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JAMIL, Shaikh Faizan Ahmad, GUNTIWAR, Tejas Pawan, SONTAKKE, Prashant Nitin, MARKE, Tejas Rajendra, PINGALE, Manish Balasaheb, KODMELWAR, Manohar, PAWAR, Sonali, MAGAR, Hanmant

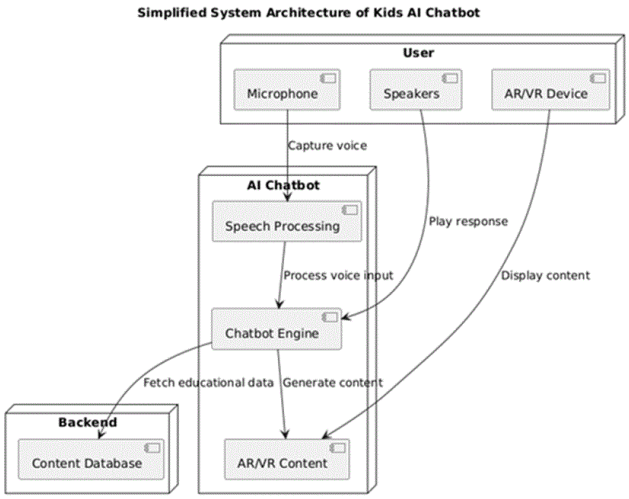
54: A REAL-TIME VEHICLE BREAKDOWN ASSISTANCE AND SERVICE MANAGEMENT SYSTEM

00: -

The present invention is related to a real-time vehicle breakdown assistance and service management system. The invention is designed to facilitate real-time communication between vehicle breakdown service providers and drivers. It allows service providers to update their avail-ability and location in real time through a back-end interface connected to Firebase, which is dis-played to drivers. Drivers can search for services based on location, price, and service type, and manage their subscriptions or one-time service requests. This invention reduces delays in break-down assistance and offers a convenient platform for both service providers and drivers.

21: 2025/02570. 22: 2025/03/25. 43: 2025/10/13
51: G06Q

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NAGMODE, Sakshi Yashwant, PATIL, Wrushali Ravindra, PILLAI, Yashini Manohar, MUSALE, Bhagyashri Hanumant, KODMELWAR, Manohar, DEDGAONKAR, Suruchi, FUTANE, Pravin
54: AN AI DRIVEN INTERACTIVE AR/VR SYSTEM FOR IMMERSIVE LEARNING AND CHILD ENGAGEMENT
00: -
The present invention is related to an AI driven interactive AR/VR system for immersive learning and child engagement. This invention integrates an AI powered system with augmented reality and virtual reality technologies to create an interactive, immersive learning experience for children. The system allows children to visually and verbally interact with educational content, such as objects, animals, and letters, by utilizing AR for real-world overlays or VR for fully immersive environments. By combining conversational AI with dynamic visuals, the invention enhances learning engagement, provides real-time adaptive feedback, and supports diverse learning styles.



21: 2025/02571. 22: 2025/03/25. 43: 2025/10/13
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NAIDU, Manoj Umapathi, KADAM, Sahil Nitin, KULKARNI, Athrva Janardhan, JOSHI, Siddhesh Girishrao, PANDIT, Pranjal S., GAIKWAD, Vidya S., SABLE, Nilesh P., MEHTA, Pradnya S.
54: AN AUGMENTED REALITY-BASED SYSTEM FOR DIGITALIZATION OF PRODUCT MANUALS
00: -
The present invention is related to an augmented reality-based system for digitalization of product manuals. As most of the product manuals are lengthy and complex, Users usual don't make use of them. To make it interactive and hands-free, this system introduces a technique where it converts traditional product manual into a digital visual format using Augmented Reality (AR). The product manual it consists of QR code, which when scanned will be redirected to a AR- enabled websites that delivers an interactive 3D model with its step-by-step instructions. This system includes real-time guidance, enabling user to follow instructions visually and hands-free, thus improving user experience. It can be perfect solution in industries where clear accurate product information is required like electronics, automotive, home appliances, etc.

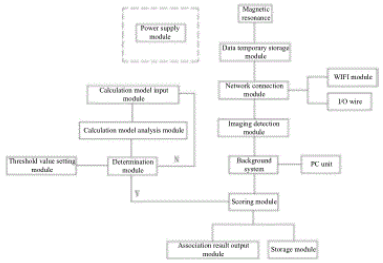
21: 2025/02572. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SOGANI, Jayam Sunil, RATHOD, Aditya Vijaykumar, SABLE, Saksham Sambhaji, NYAMGONDE, Suyash Apparaya, KODMELWAR, Manohar, FUTANE, Pravin, MIRAJKAR, Riddhi, PATHAK, Kishor
54: A STREAMLINED FOOD SERVICE MANAGEMENT SYSTEM FOR CANTEENS AND SIMILAR ESTABLISHMENTS
00: -
The present invention is related to a streamlined food service management system for can-teens and similar establishments. It allows users to explore various food categories, view menus from multiple canteens, and place orders seamlessly. The dashboard incorporates features such as wallet balance tracking, cart management, and real-time updates on available items, enhancing the overall dining experience. Additionally, it enables users to search for specific items across different canteens, facilitating quick and convenient access to desired meals while promoting healthy competition among food providers. Overall, the invention aims to improve operational efficiency and customer satisfaction in the food service industry.

21: 2025/02573. 22: 2025/03/25. 43: 2025/10/13
51: G06Q

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NALAWADE, Rohan Arun, SHELKE, Shubham Uttam, SOYAM, Pranay Gulab, BAGUL, Akash Shankar, MURUNGWENI, Samantha, KODMELWAR, Manohar, FUTANE, Pravin, PATHAK, Kishor
54: A REAL-TIME MESS MENU MANAGEMENT SYSTEM WITH ENHANCED STUDENT ACCESSIBILITY
00: -
The present invention is related to a real-time mess menu management system with enhanced student accessibility. The invention is a mobile system that facilitates real-time communication between mess service providers and students. It allows mess owners to update their daily menus through a back-end interface connected to Firebase, which is then displayed to students. Students can search for mess services based on location, price, and meal preferences, and manage their meal subscriptions or individual orders. This invention reduces the operational challenges in managing daily mess services, providing a convenient platform for both students and providers.

21: 2025/02574. 22: 2025/03/25. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PATIL, Anish Sujit, NALE, Shreyash Gajanan, NEMADE, Rohan Hemant, CHAVAN, Gaurang Premsing, CHAUDHARI, Srushti Mohan, KODMELWAR, Manohar, FUTANE, Pravin, SUKTE, Chudaman, WANKHADE, Shalini
54: A REALTIME BASED FOOD REDISTRIBUTION SYSTEM FOR EFFICIENT FOOD WASTE MANAGEMENT
00: -
The present invention is related to a realtime based food redistribution system for efficient food waste management. This invention is designed to reduce food waste by facilitating the connection between surplus food providers and nonprofit organizations for food redistribution. It primarily targets hotels, food trucks and restaurants, enabling them to manage their surplus food efficiently. The key features of the invention are (1) realtime notifications: the system sends instant alerts to notify NGOs of available surplus food, ensuring prompt actions to prevent spoil-age. (2) composting partnerships: for food that is unfit for redistribution, the system collaborates with local composting services to ensure eco-friendly disposal, thereby promoting sustainability. (3) integrated system: the system provides an end to end solution that connects food providers with NGOs and composting services, thus preventing food spoilage, addressing hunger, and reducing the environmental impact. (4) by leveraging cutting-edge technologies in data analytics, mobile application development, and sustainable waste management, system offers a comprehensive approach to food waste reduction, enhancing both social and environmental outcomes.

21: 2025/02576. 22: 2025/03/25. 43: 2025/09/30
51: A61B
71: CENTRAL HOSPITAL OF MINHANG DISTRICT SHANGHAI
72: GUO, Zhuifeng, XU, Yunfei, HAN, Conghui, WU, Jiawen
33: CN 31: 202311015079.0 32: 2023-08-11
54: QUALITATIVE ASSESSMENT AND DATA SCORING SYSTEM FOR PREDICTING PROSTATE CANCER IN PSA GRAY ZONE
00: -
Provided in the present invention is a qualitative assessment and data scoring system for predicting prostate cancer in a PSA gray zone. The system comprises a magnetic resonance device, wherein a port thereof is electrically connected to a data temporary storage module, the data temporary storage module sends data to an imaging detection module by means of a network connection module, the imaging detection module is connected to a background system, and the background system comprises a scoring module and a PC unit; the scoring module acquires the value of the volume ratio of central gland prostate to total prostate on the basis of magnetic resonance imaging, so as to obtain a scoring result; and the scoring module is connected to an association result output module and a storage module, the storage module is used for storing the scoring result, and the association result output module is used for matching the scoring result with a disease risk, and outputting a matching result. The present invention can improve the accuracy of tumor detection, thereby reducing unnecessary prostate puncturing.



21: 2025/02580. 22: 2025/03/25. 43: 2025/09/30
51: F03B
71: CHECKMATE LIMITED
72: PRENTICE, Mark
33: GB 31: 2212652.8 32: 2022-08-31
54: WAVE ENERGY APPARATUS
00: -
A wave energy apparatus for extracting energy from waves generated by a body of water, the apparatus including an elongate flexible tubular body, which defines a channel therein having a longitudinal axis, and a plurality of resiliently deformable elements disposed along the tubular body; wherein the elongate flexible tubular body is inextensible in a radial direction; the elongate flexible tube is open at each end; each resiliently deformable element is axially spaced from the adjacent resiliently deformable elements; each resiliently deformable element is secured to the tubular body at two or more anchor portions, wherein the anchor portions for each resiliently deformable element are circumferentially spaced from each other; each of the resiliently deformable elements has a non-extended configuration in which the respective anchor portions of the tubular body are spaced from the longitudinal axis of the channel by a first spacing, and an extended configuration in which the anchor portions of the tubular body are displaced radially outwards and are spaced from the longitudinal axis of the channel by a second spacing, wherein the second spacing is greater than the first spacing; and wherein the cross-sectional area of the tubular body when the resiliently deformable elements are in their extended configuration is greater than the cross-sectional area of the tubular body when the resiliently deformable elements are in their non-extended configuration.

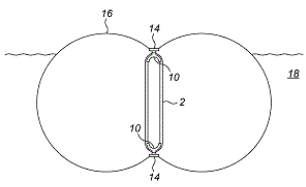


FIG. 1a

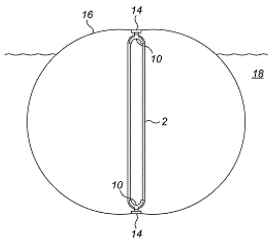


FIG. 1b

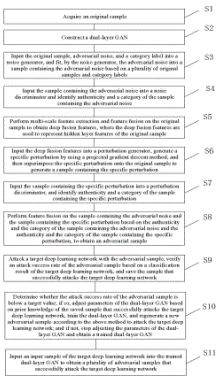
21: 2025/02586. 22: 2025/03/25. 43: 2025/09/30
51: G06F; G06N
71: ZHEJIANG DATACYBER NETWORK CO., LTD.
72: MA, QIANG, YUAN, PANFENG, CHEN, TINGLIANG
33: WO 31: PCT/CN2025/081546 32: 2025-03-10
33: CN 31: 2025101349056 32: 2025-02-07
54: AI-BASED AUTOMATIC OPTIMIZATION METHOD AND SYSTEM FOR BIG DATA DISTRIBUTED COMPUTING TASKS
00: -
The present invention provides an artificial intelligence (AI)-based automatic optimization method and system for big data distributed computing tasks, which relates to the technical field of AI. The method includes: constructing a multi-modal spatio-temporal feature perception network to extract a spatio-temporal feature of a task and resource, and training a hierarchical hybrid decision network for global task scheduling and local resource allocation. A global policy network employs a hierarchical deep reinforcement learning architecture, and integrates Monte Carlo tree search and prioritized experience replay to generate a decision; and a local execution network optimizes local deployment based on a graph neural network and multi-agent cooperative learning. Furthermore, a distributed anomaly detection network is deployed to monitor performance in real time, achieves adaptive tuning by means of reinforcement transfer learning, and ultimately updates the perception network by means of knowledge distillation, thereby achieving model evolution.

21: 2025/02596. 22: 2025/03/26. 43: 2025/09/30
51: G06N
71: Zhengzhou University of Aeronautics, Henan Weida Electronic Technology Co., Ltd.
72: WANG, Yongqing, DU, Jiahao, ZHANG, Wei, WANG, Jia

54: METHOD FOR GENERATING ADVERSARIAL SAMPLES BASED ON DUAL-LAYER GENERATIVE ADVERSARIAL NETWORK

00: -

Disclosed is a method for generating adversarial samples based on a dual-layer generative adversarial network (GAN). The method includes: generating noise by using a projected gradient descent method and a color gradient map based on an original sample, and fitting to obtain a sample containing adversarial noise; performing multi-scale feature extraction and feature fusion on the original sample to mine a hidden layer feature of the original sample; generating a specific perturbation by using the projected gradient descent method and superimposing the specific perturbation onto the original sample to generate a sample containing the specific perturbation; fusing to obtain an adversarial sample; training a dual-layer GAN based on an attack success rate of the adversarial sample; and feeding an input sample of a target deep learning network into the trained dual-layer GAN to obtain a plurality of adversarial samples that successfully attack the target deep learning network.

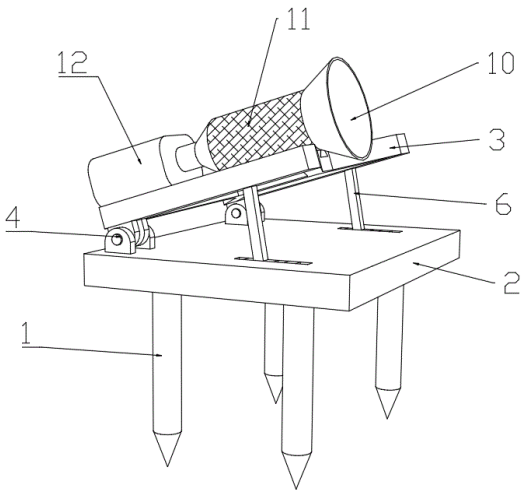


21: 2025/02597. 22: 2025/03/26. 43: 2025/10/02
51: G01N
71: Shantou Polytechnic
72: WU Junji, ZHANG Huijuan, ZONG Tao, WANG Zhilin, CAI Jingxin, YAO Xiaosheng, LIU Na, CHEN Qi, CHEN Haojia

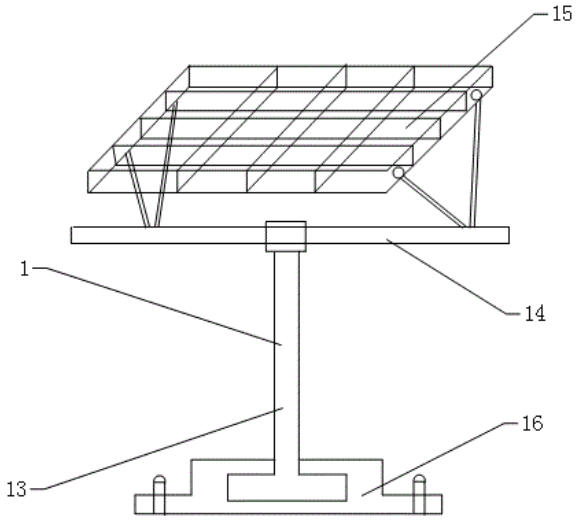
54: MICROPLASTIC COLLECTION DEVICE FOR WATER BODIES

00: -

The invention relates to the field of pollutant collection technology and discloses a microplastic collection device for water bodies The device includes: a support platform; a mounting frame, one end of which is rotatably connected to the support platform, and the other end is rotatably installed with a movable rod, the other end of the movable rod abuts against the support platform; and a collection assembly, which is detachably installed on the mounting frame. In this device, the mounting frame is rotatably connected to the support platform, allowing the adjustment of the tilt angle of the collection assembly, thereby enabling more effective collection of microplastics in water bodies. The device is equipped with a collection assembly that not only collects microplastics from water bodies but also facilitates the separation of microplastics from other pollutants.

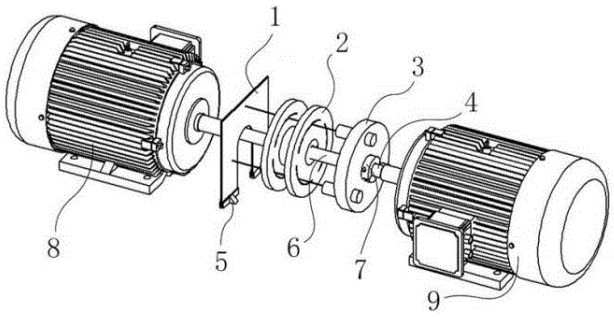


21: 2025/02598. 22: 2025/03/26. 43: 2025/10/09
51: H02S
71: Sinoma Overseas Development Co., Ltd.
72: Linhe ZHU, Lei YANG, Yu ZHOU, Fangke ZHANG, Pengtao LI, Qiang GU, Bowen LYU, Liming REN
33: CN 31: 2024212777246 32: 2024-06-05
54: SUPPORT DEVICE FOR PHOTOVOLTAIC MODULE AND PHOTOVOLTAIC SYSTEM
00: -
A support device for a photovoltaic module and a photovoltaic system are disclosed, which belongs to the field of photovoltaic power generation technology, wherein the support device includes a rotating mechanism, a light monitoring module and a controller, wherein a mounting base is arranged below the rotating mechanism, a vertical rotating shaft and a horizontal rotating shaft are arranged on the rotating mechanism, a first angle sensor is arranged on the vertical rotating shaft, a second angle sensor is arranged on the horizontal rotating shaft, the light monitoring module is arranged on the rotating mechanism, the light monitoring module is connected to the controller in a communication manner, and the first angle sensor and the second angle sensor are respectively connected to the controller in a communication manner; the photovoltaic system includes the photovoltaic module and the support device, the photovoltaic module includes a photovoltaic panel, the photovoltaic panel is mounted above the folding assembly. Therefore, the present invention adopts the above-mentioned the support device for the photovoltaic module and the photovoltaic system, to solve the problem of low light energy conversion rate of existing photovoltaic power generation devices.



21: 2025/02599. 22: 2025/03/26. 43: 2025/10/02
51: G01Q
71: ZHEJIANG UNIVERSITY OF SCIENCE & TECHNOLOGY
72: WANG Zihui, WANG Maojian, ZHOU Yangjie, SONG Xubin, JIN Yong, ZHANG Rui
54: MANUAL ALIGNMENT CALIBRATION DEVICE AND METHOD FOR COUPLED MOTORS
00: -
The present invention discloses a manual alignment calibration device and method for coupled motors, which relate to the technical field of coupled - motor calibration. The calibration device includes a test bench, a reference motor, a reference shaft, a test motor, an adjustable shaft, a coupling, a laser - emitting unit, a light - passing calibration unit, and an imaging unit. The reference shaft is connected to the reference motor, the adjustable shaft is connected to the test motor, and the reference shaft and the adjustable shaft are connected via the coupling. The laser emitting unit is installed on the reference shaft, while the light - passing calibration unit and the imaging unit are installed on the adjustable shaff. N laser beams emitted by the laser - emitting unit form several light spots on the imaging unit through the light - passing cal ibration unit. By manually adjusting the position of the test motor and observing the number of light spots on the imaging unit, it may be detemined whether alignment is achieved. Based on the three - point measurement method, the device and method of the present

invention place the laser - emitting unit on the coupling and conduct manual alignment calibration by visual inspection. They feature a simple structure, convenient operation, and relatively high accuracy.

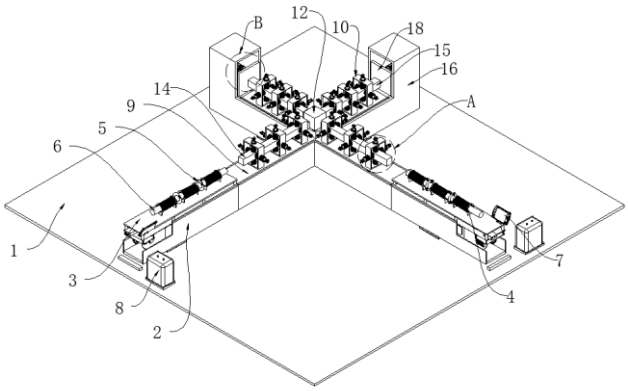


21: 2025/02600. 22: 2025/03/26. 43: 2025/10/02
51: G01N
71: HENAN POLYTECHNIC UNIVERSITY
72: WANG Shuren, GONG Jian, WANG Wen, WANG Junbo, ZHANG Baimei

54: DUAL-AXIS ELECTROMAGNETIC COIL-ACCELERATED HOPKINSON BAR EXPERIMENTAL APPARATUS

00: -

The present invention discloses a dual-axis electromagnetic coil-accelerated Hopkinson bar experimental apparatus, which belongs to the field of dynamic mechanical property testing of materials. The apparatus includes a base plate, and the center of the top of the base plate is fixedly connected to an experimental platform, and the experimental platform is cross-shaped. Two adjacent ends of the experimental platform are each equipped with an electromagnetic ejection component, and the other two ends of the experimental platform are respectively provided with buffer chambers. The buffer chambers are internally equipped with buffer components. The center of the top of the experimental platform is provided with a test block, and the top of the experimental platform is equipped with multiple support components. Two adjacent support components are internally equipped with an incident bar, and the other two adjacent support components are internally equipped with a transmission bar. The present invention achieves a compact structure and portability through miniaturized design, facilitating application in different scenarios. It not only realizes dual-axis synchronous loading, ensuring that stress waves reach the specimen simultaneously, but also meets the testing needs of different materials at different impact speeds.



21: 2025/02601. 22: 2025/03/26. 43: 2025/10/02
51: A61K
71: Hezhong Zheng
72: Hezhong Zheng
33: CN 31: 2025102546598 32: 2025-03-05

54: PHARMACEUTICAL FORMULA FOR TREATING LEUKEMIA AND UREMIA AND PREPARATION METHOD THEREOF

00: -

A pharmaceutical formula for treating leukemia and uremia and a preparation method thereof, comprising the following raw materials in parts by weight: 10-20 parts of Radix Angelicae Sinensis, 5-15 parts of Rhizoma Chuanxiong, 15-25 parts of raw Radix Rehmanniae, 5-10 parts of Poria cum Radix Pini, 10-15 parts of Radix Paeoniae Alba, 5-10 parts of Radix et Rhizoma ginseng, 5-15 parts of Colla Corii Asini, 15-20 parts of Radix Rehmanniae Praeparata, 10-15 parts of Cortex Eucommiae, 25-35 parts of mutton. This formula, through the rational combination of ingredients, can effectively enhance the body’s immunity, regulate body functions, and simultaneously possess multiple effects such as clearing heat and detoxifying, activating blood circulation and removing blood stasis, making it suitable for the treatment of various conditions. These adjuvant drugs work synergistically with the main drugs to specifically target and treat certain conditions, improving therapeutic effects and broadening the applicability of this invention. Furthermore, the preparation method of the pharmaceutical formula for treating leukemia and uremia provided by the invention ensures the full extraction of the drugs’ active ingredients through a

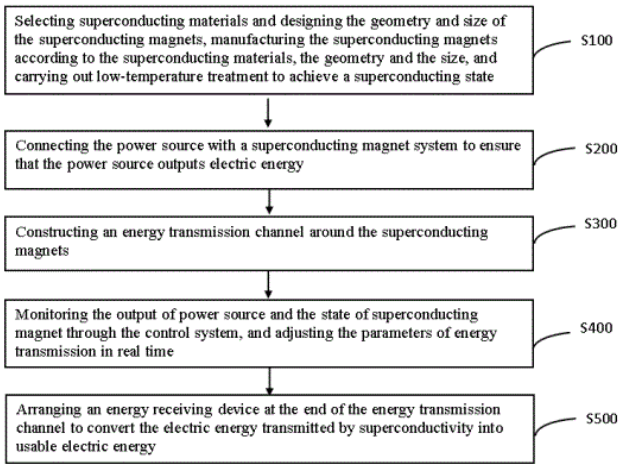
scientific process, improving the efficacy and quality stability of the drugs.

21: 2025/02602. 22: 2025/03/26. 43: 2025/10/09
51: H02J
71: Henan University of Urban Construction
72: Guo Beilei, Shi Chunyan, Zhang Xingeng, Peng Jianbo, Lou Yujie, Hu Qing, Liu Lian
33: CN 31: 2024118951128 32: 2024-12-21

54: EFFICIENT POWER SYSTEM ENERGY TRANSMISSION METHOD BASED ON SUPERCONDUCTING MAGNETS

00: -

The invention provides an efficient power system energy transmission method based on superconducting magnets, which comprises the following steps: selecting superconducting materials and designing the geometry and size of the superconducting magnets, manufacturing the superconducting magnets according to the superconducting materials, the geometry and the size, and carrying out low-temperature treatment to achieve a superconducting state; connecting the power source with a superconducting magnet system to ensure that the power source outputs electric energy; constructing an energy transmission channel around the superconducting magnets; monitoring the output of power source and the state of superconducting magnet through the control system, and adjusting the parameters of energy transmission in real time; arranging an energy receiving device at the end of the energy transmission channel to convert the electric energy transmitted by superconductivity into usable electric energy. The invention not only improves the efficiency and stability of energy transmission, but also has multiple beneficial effects such as environmental friendliness, flexible adaptation, improvement of power quality and economic benefits, and has broad application prospects.

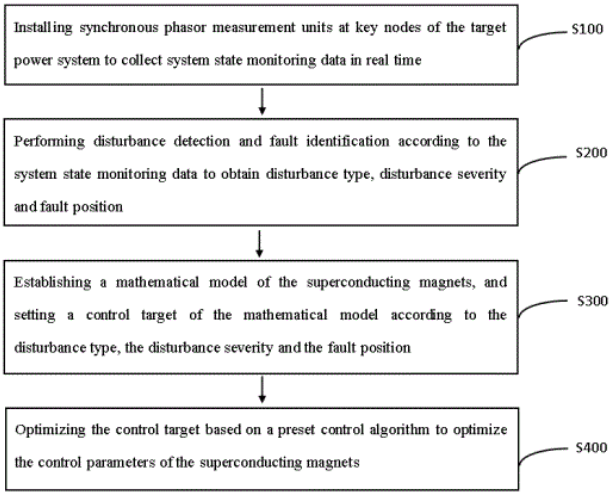


21: 2025/02603. 22: 2025/03/26. 43: 2025/10/09
51: H02J
71: Henan University of Urban Construction
72: Guo Beilei, Shi Chunyan, Fang Yi, Yang Chengwu, Zhang Taiyu, Hu Qing
33: CN 31: 2024118951132 32: 2024-12-21

54: DYNAMIC STABILITY CONTROL METHOD OF POWER SYSTEM BASED ON SUPERCONDUCTING MAGNETS

00: -

The invention provides a dynamic stability control method of power system based on superconducting magnets, which comprises the following steps: installing synchronous phasor measurement units at key nodes of the target power system to collect system state monitoring data in real time; performing disturbance detection and fault identification according to the system state monitoring data to obtain disturbance type, disturbance severity and fault position; establishing a mathematical model of the superconducting magnets, and setting a control target of the mathematical model according to the disturbance type, the disturbance severity and the fault position; optimizing the control target based on a preset control algorithm to optimize the control parameters of the superconducting magnets. By optimizing the control parameters of the superconducting magnet, the invention can effectively reduce unnecessary energy loss and improve energy utilization efficiency, thus reducing the running cost of the system.

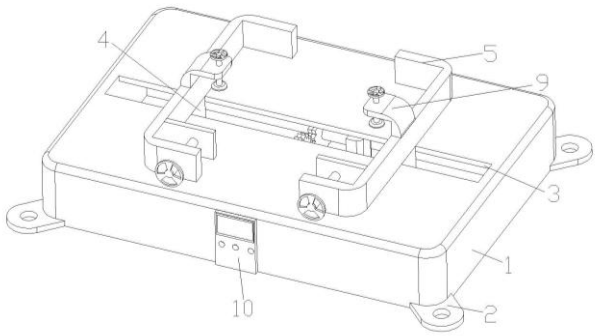


21: 2025/02607. 22: 2025/03/26. 43: 2025/10/02
51: B65G
71: Jiangsu Urban and Rural Construction Vocational College
72: Lin Gai

54: COATED GLASS CLAMPING DEVICE

00: -

The present invention provides a coated glass clamping device, falling within the technical field of clamping devices, including a placing table. An outer side wall of the placing table is mounted with mounting plates, an upper end of the placing table is arranged with a sliding groove, and a driving unit is arranged inside the placing table; and the upper end of the placing table is arranged with two clamping blocks, front ends of the two clamping blocks are connected to rotary rods ? in a threaded way, ends of the two rotary rods ? are fixedly connected to handles, ends of the two handles away from the rotary rods ? are rotatably connected to fixing plates, and upper ends of the two clamping blocks are fixedly connected to pressing units. By arranging the clamping blocks, the driving unit, the fixing plates and the pressing units, glasses with different sizes can be clamped and fixed, the stability during the glass processing is ensured, and the flexibility and applicability of the clamping device are improved.



21: 2025/02608. 22: 2025/03/26. 43: 2025/10/13
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KUNJEER, Ashutosh, BAHIRAT, Sairaj, JADHAV, Aditya, SUPLE, Kaiwalya, KODMELWAR, Manohar, BIRARE, Komal, PATIL, Swati, SURYAVANSHI, Amol

54: A COMPREHENSIVE SPORTS MANAGEMENT SYSTEM INTEGRATING INJURY PREVENTION, NUTRITION, SPONSORSHIP, AND MERCHANDISE MODULES

00: -

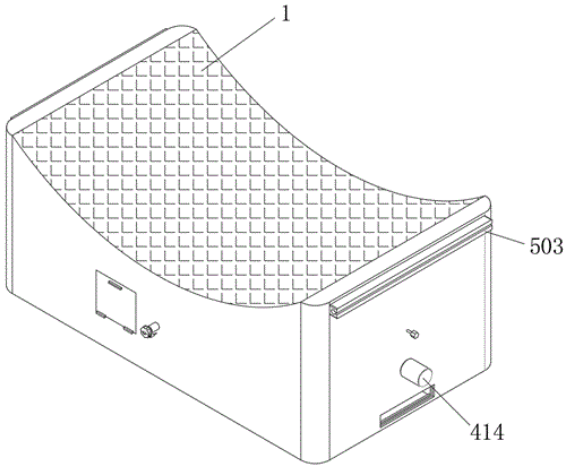
The present invention is related to a comprehensive sports management system integrating injury prevention, nutrition, sponsorship, and merchandise modules. The invention is a comprehensive sports management platform designed to integrate tutorials, injury prevention, nutrition guidance, sponsorship management, and merchandise handling into a single system. It enhances athlete performance while streamlining operational and commercial activities in sports management. This solution encapsulates the requirements of the patent proposal with a focus on sports management while integrating key aspects like injury prevention, nutrition, sponsorship, and merchandise.

21: 2025/02615. 22: 2025/03/26. 43: 2025/10/09
51: A61B
71: The Fifth Affiliated Hospital of Guangzhou Medical University (Affiliated Hospital of Guangzhou Regenerative Medicine and Health Laboratory of Guangdong Province)
72: Chen Yingzhen, Chen Min, Liu Qiuli, Zhou Ying, Pi Bin, Ding Zixi, Liao Penghui
33: CN 31: 202410438407.6 32: 2024-04-12

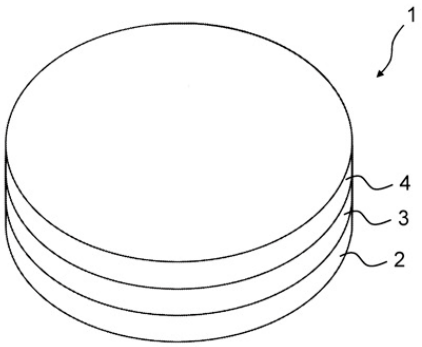
54: RAPID HEMOSTATIC DEVICE FOR EMERGENCY CARE

00: -

The present invention provides a rapid hemostatic device for emergency care, including a portable hemostatic box, an adjustment unit, a ventilation unit and an mounting unit. The device can separate the portable hemostatic box from a telescopic elastic strap after the portable hemostatic box is used, so that the telescopic elastic strap and the portable hemostatic box can be cleaned and disinfected separately, and this arrangement can not only facilitate the medical staff to disinfect the device, reduce the difficulty of disinfection and the work of the medical staff, but also can disinfect the portable hemostatic box and the telescopic elastic strap in different disinfection modes after the portable hemostatic box and the telescopic elastic strap are separated, improving the disinfection effect of the device.



21: 2025/02629. 22: 2025/03/26. 43: 2025/10/02
51: A61N
71: FONTANA, Fabio
72: FONTANA, Fabio
33: IT 31: 102022000019506 32: 2022-09-23
54: THERAPEUTIC DEVICE FOR INFLAMMATORY, PAINFUL PATHOLOGY AND A NEURO- MUSCULAR AND POSTURAL REMODULATION
00: -
Therapeutic device (1) for inflammatory, painful pathology and a neuro-muscular and postural remodulation of a person, which device (1) comprises at least one support laminar element (2), which laminar element (2) is made of material that is transparent to reference wavelengths, the reference wavelengths being comprised between 400 and 990 nm, a first side of the laminar element (2) being adapted to be associated in contact with the skin of said person, and on the second side of the laminar element (2), opposite to said first side, there being placed, or incorporated or diffused in the laminar element itself, at least one nanocrystal or a mixture of nanocrystals (3), which nanocrystal or mixture of nanocrystals (3) is able to emit photons in the reference wavelength when stressed by at least one infrared, light or ultraviolet electromagnetic radiation, which device comprises photoluminescent material (4).



21: 2025/02644. 22: 2025/03/27. 43: 2025/10/02
51: A61K
71: Zhiyong Yu
72: Zhiyong Yu
33: CN 31: 2024116858340 32: 2024-11-23
54: MULTI-FUNCTIONAL APHRODISIAC CHINESE MEDICINE AND APPLICATION THEREOF
00: -
A multi-functional aphrodisiac Chinese medicine and and an application thereof, comprising at least one of the following first Chinese medicine composition and second Chinese medicine composition; the first Chinese medicine composition comprises the following raw materials in parts by weight: Radix Astragali, Radix Achyranthis Bidentatae, Radix Angelicae Sinensis, Fructus Schisandrae Chinensis, Radix et Rhizoma ginseng, Fructus Lycii, Rhizoma Chuanxiong, Endothelium Corneum Gigeriae Galli, Rhizoma Polygonati, Mulberry, Herba Cistanches; the second Chinese medicine composition comprises the following raw materials in parts by weight: Radix Astragali, Cortex Cinnamomi, Rhizoma Cimicifugae, Fructus Lycii, Fructus Schisandrae Chinensis, Fructus Psoraleae, Rhizoma Polygonati, Radix Rehmanniae Praeparata,

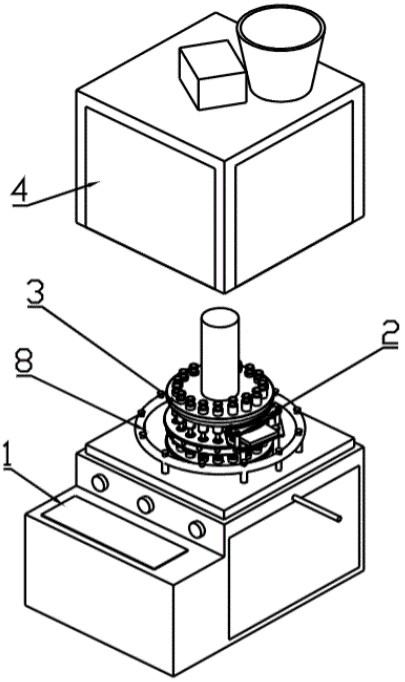
processed Radix et Rhizoma Rhei. The various herbs in this invention work synergistically and are reasonably combined. They not only nourish the kidney and strengthen yang, tonify vital qi, restore the pulse and consolidate essence, improve sexual function, enhance fertility, and effectively treat male sexual dysfunction, but also alleviate the symptoms of upper heat and lower cold, particularly skin disorders caused by this syndrome, such as acne, thereby promoting beauty and nourishing the skin. Furthermore, they elevate one's vitality and spirit, strengthen the immune system, and demonstrate multiple efficacy, providing comprehensive and effective treatment for male sexual dysfunction in various aspects.

21: 2025/02645. 22: 2025/03/27. 43: 2025/10/02
51: B30B
71: JIANGSU COLLEGE OF NURSING
72: Yue YANG, Xiang LIU, Erhua CHEN, Xin WU
33: CN 31: 2025204209077 32: 2025-03-11

54: HIGH-SPEED ROTARY TABLET PRESS WITH NON-STOP POWDER CLEANING FOR PUNCH DIES

00: -

The present invention relates to the field of tablet presses, and specifically discloses a high-speed rotary tablet press with non-stop powder cleaning for punch dies, comprising a machine body, a powder cleaning mechanism and a tablet pressing mechanism, wherein a lower punch, a through-hole die and an upper punch are respectively provided on a lower turntable, a middle die plate and an upper turntable in the tablet pressing mechanism, and the powder cleaning mechanism comprises a mounting frame and an arc-shaped scraping strip, wherein the mounting frame has an arc-shaped mounting part, and an arc-shaped friction pad is fixed on the arc-shaped mounting part, the arc-shaped friction pad is closely attached to a columnar body, the arc-shaped scraping strip is attached to the punch, the arc-shaped scraping strip is inclined , and the height difference between the two ends of the arc-shaped scraping strip is not less than the height of the punch; the present invention makes the arc-shaped friction pad closely attached to the columnar body, and under the action of friction force, the punch rotates, so that the arc-shaped scraping strip scrapes off the powder attached to the punch, thereby achieving the purpose of non-stop powder cleaning, improving production efficiency, automating powder cleaning, reducing labor intensity, ensuring tablet production quality, avoiding punch wear, and ensuring the continuity and stability of production.



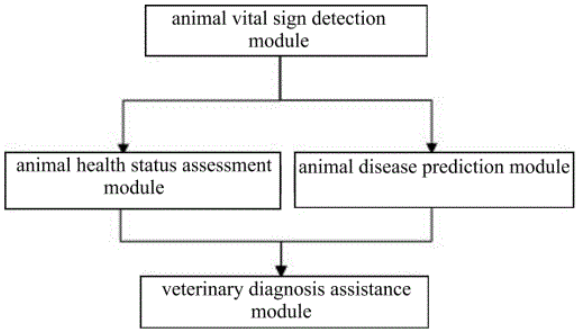
21: 2025/02646. 22: 2025/03/27. 43: 2025/10/02
51: A61B
71: GUANGXI VOCATIONAL UNIVERSITY OF AGRICULTURE
72: Renfeng Huang, Junchang Li, Hong Tan, Mingxu Zhou, Yunzhi Hu, Gaochong Huang, Yanfeng Lu, Liuzhong Mo, Menghe Luo, Rui Pan
33: CN 31: 2025102492850 32: 2025-03-04

54: ARTIFICIAL INTELLIGENCE-BASED VETERINARY DIAGNOSIS ASSISTANCE SYSTEM

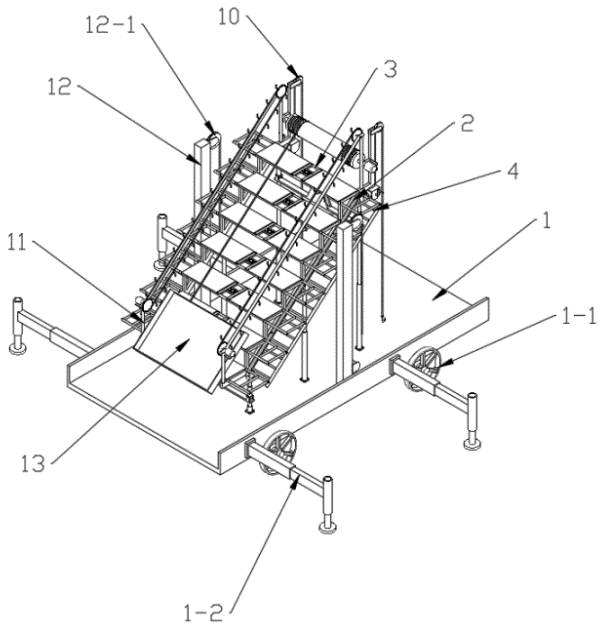
00: -

An artificial intelligence-based veterinary diagnosis assistance system, comprising an animal vital sign detection module, an animal health status assessment module, an animal disease prediction module, and a veterinary diagnosis assistance module. The invention uses an attention-driven deep sparse autoencoder model for animal health status assessment, it can automatically extract the most relevant feature information from animal vital sign data and suppress irrelevant information, thereby improving the accuracy of animal health status assessment; the invention uses a parameter-

optimized one-dimensional convolutional extreme gradient boosting model for animal disease prediction, it better handles dynamic and static data, and optimizes the model performance through an improved artificial bee colony algorithm, resulting in more comprehensive and accurate animal disease prediction; the invention provides veterinary diagnostic assistance through automated animal health status assessment and animal disease prediction, it enables remote analysis of animal health-related data, which helps realize remote veterinary services across regions, thereby enhancing the accessibility and efficiency of veterinary services.

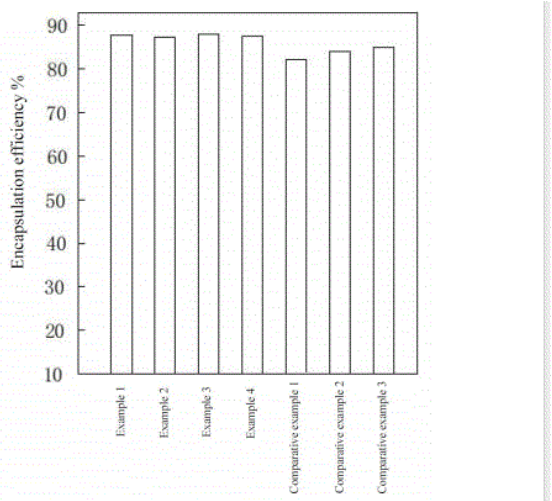


21: 2025/02647. 22: 2025/03/27. 43: 2025/10/02
51: E04G
71: Sixty-four Zhang
72: Sixty-four Zhang
33: CN 31: 2025103027517 32: 2025-03-14
54: GROUND-BASED LOW-ALTITUDE INTELLIGENT OPERATIONS PLATFORM
00: -
The invention relates to the technical field of operation platforms, and in particular to a ground-based low-altitude intelligent operations platform. comprising a carrier vehicle, wherein an inclined ladder is obliquely arranged on the carrier vehicle, and the inclined ladder comprises main ladders and auxiliary ladders; the main ladders are arranged in an inclined manner, and a main ladder plate is arranged on the main ladder; both sides of the main ladder plate are provided with auxiliary ladder plates that are slidably matched with the main ladder plates, and both sides of the main ladder are detachably connected with auxiliary ladders; rotation holes are provided at the front, middle and rear under the main ladder, and a rotation shaft is rotatably connected in the rotation hole; both ends of the rotation shaft are fixedly connected to the support beam, and the support beam is rotatably connected to the main ladder through the rotation shaft. The invention has a reasonable structural design and is easy to operate. It can lift and transport related material accessories at the same time, greatly improving the work efficiency of lifting and transporting photovoltaic panel related accessories. The front, back, left and right inclination angles of the inclined ladder can be adjusted as needed to adapt to different working terrains, making it easy to install, lift and transport.



21: 2025/02654. 22: 2025/03/27. 43: 2025/10/02
51: A61K
71: THE THIRD AFFILIATED HOSPITAL, GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU MEDICAL CENTER FOR CRITICAL PREGNANT WOMEN; GUANGZHOU ROUJI HOSPITAL)
72: HUANG, Jionghua, YIN, Jiayi, HUANG, Jinzhu
33: CN 31: 202510112295.X 32: 2025-01-23
54: PREPARATION METHOD, PRODUCT, AND APPLICATION OF CELL MEMBRANE BIOMIMETIC DRUG DELIVERY SYSTEM TARGETING ATHEROSCLEROTIC LESIONS
00: -
A preparation method, product, and application of a cell membrane biomimetic drug delivery system targeting atherosclerotic lesions are disclosed, relating to the technical field of cell membrane biomimetic drug delivery. The preparation method

includes: culturing macrophages, extracting and purifying macrophage membranes, adding an enzyme inhibition complex, and storing; repeatedly extruding the stored macrophage membranes by using a micro-extruder equipped with a nanoporous membrane to obtain macrophage membrane microcapsules; preparing polyethylene glycol-poly(lactic-co-glycolic acid) (PEG-PLGA)-based drug-loaded nanoparticles by using a solvent evaporation method; and respectively injecting the macrophage membrane microcapsules and drug-loaded nanoparticles into two inlets of a microfluidic electroporation chip, applying a two-stage alternating electric field, processing to obtain a uniformly dispersed mixture, and co-extruding the mixture by using the micro-extruder equipped with the nanoporous membrane.

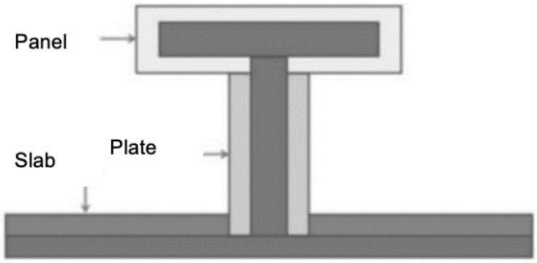


21: 2025/02683. 22: 2025/03/28. 43: 2025/10/09
51: B32B
71: China State Shipbuilding Corporation Limited, Research Institute 719
72: Wang Ting, Xin Zhuoxuan, Yang Luchun, Chen Jie, Xiao Bo, Li Sheng, Liu Zhongming
33: CN 31: 2024117052079 32: 2024-11-26

54: AN APPLICATION METHOD OF FIREPROOF AND THERMAL INSULATION MATERIALS WITH DIFFERENT FIRE RESISTANCE LEVELS ON OCEAN-GOING VESSELS

00: -

This application discloses a method for applying fire-resistant and heat-insulating materials with different fire resistance levels on ocean-going vessels, relating to the field of shipbuilding technology. According to the fire resistance level of the fire-resistant and heat-insulating material, the material type, and the location where it is applied on the ship's hull, the thickness of the material's installation varies. By adjusting the thickness of the fire-resistant and heat-insulating material based on its fire resistance level, material type, and the location on the ship's hull, it is possible to use different thicknesses of the material under different conditions. This method can reduce the weight and cost of the vessel while ensuring heat insulation and fire protection performance.



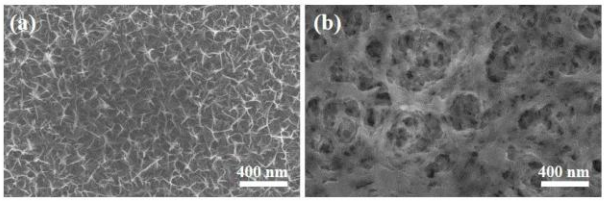
21: 2025/02684. 22: 2025/03/28. 43: 2025/10/02
51: C08G
71: Shanghai Polytechnic University
72: ZHU Xiangrong, LI Tianhao, YANG Lin, XIN Hui, HE Kangwen, ZHU Luping

54: METHOD FOR PREPARING POLYTHIOPHENE ELECTROCHROMIC THIN FILM AND APPLICATION THEREOF

00: -

The present invention discloses a method for preparing a polythiophene thin film based on a manganese dioxide seed layer, belonging to the technical field of electrochromism. The method comprises the following steps: first, growing a manganese dioxide thin film on a fluorine-doped tin oxide glass substrate by electrodeposition, and then preparing precursor solutions of an oxidant solution and a thiophene monomer solution. The oxidant solution is obtained by mixing a transition metal oxide with an acid and adding a surfactant. The thiophene monomer solution is obtained by mixing an acidic solution with a thiophene monomer. A layer of oxidant solution is spin-coated onto the manganese dioxide seed layer, followed by coating or immersing in the monomer solution, then immersing in an organic solvent, and finally heating and drying to obtain the polythiophene thin film. The polythiophene thin film prepared by the method of the present invention exhibits a "canyon"-like

structural feature, which has a layered microporous structure, demonstrating excellent electrochromic performance and stability. It shows great application prospects in building energy efficiency, smart windows, electrochromic electronic paper, anti-glare rearview mirrors, and other fields.

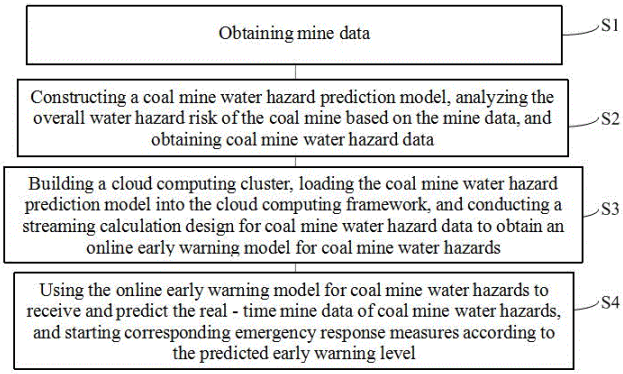


21: 2025/02685. 22: 2025/03/28. 43: 2025/10/02
51: G01V
71: Suzhou University
72: XU Jiying, DAI Hongbao, ZHANG Haitao, YU Kai, DAI Shanshan

54: METHOD FOR EARLY WARNING OF COAL MINE WATER HAZARDS CAUSED BY RISING GROUNDWATER LEVELS

00: -

The present invention belongs to the technical field of water hazard monitoring, and discloses a method for early warning of coal mine water hazards caused by rising groundwater levels. The method first obtains mine data, then constructs a coal mine water hazard prediction model to analyze the water hazard risk and obtain relevant data. After that, a cloud computing cluster is built, the model is loaded into the cloud computing framework for streaming calculation design, so as to obtain an online early warning model for coal mine water hazards. Finally, this model is used to receive and predict real - time mine data, and corresponding emergency response measures are started according to the early warning level. The present invention solves the problem of low accuracy of water hazard monitoring and early warning caused by the independence of the existing underground and surface monitoring. It comprehensively detects surface and underground hydrological data, improves the comprehensiveness and effectiveness of data collection. With the help of the Spark framework, an online early warning model with high accuracy and strong timeliness is constructed. Moreover, the data trend prediction and early warning prediction are carried out simultaneously, improving the authenticity and accuracy of the prediction.

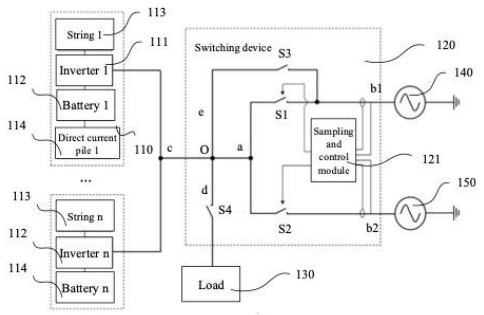


21: 2025/02686. 22: 2025/03/28. 43: 2025/10/02
51: H02J
71: SHANGHAI SIGEYUAN INTELLIGENT TECHNOLOGY CO., LTD.
72: QIN, Yijin, WANG, Kangyu, ZHOU, Tao

54: POWER GENERATION SYSTEM AND CONTROL METHOD

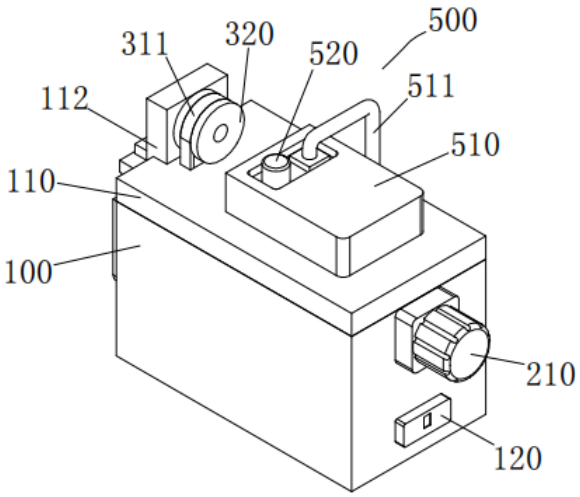
00: -

The present disclosure discloses a power generation system and a control method, and relates to the field of power generation system technologies. The power generation system includes: at least one inverter module, an output terminal of the at least one inverter module being connected in parallel; and a switching device including an alternating current bus. The alternating current bus has a first connection terminal connected to a first port of the switching device. The first port is connected to the output terminal of the inverter module. The alternating current bus has a second connection terminal connected to a second port of the switching device. The second port is configured to connect to an external module. The alternating current bus has a third connection terminal connected to a third port of the switching device. The third port is configured to connect to a load. A first switch is disposed between the second connection terminal and the second port and configured to be turned on or turned off based on an operation state instruction of the power generation system or magnitude of electric energy of the power generation system. The power generation system in the present disclosure ensures that the load can be continuously powered without interruption in any operation state



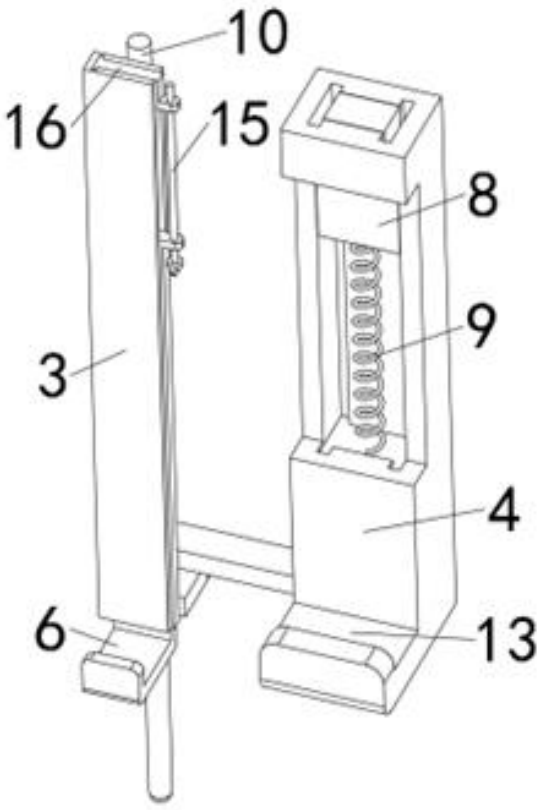
21: 2025/02688. 22: 2025/03/28. 43: 2025/10/08
51: A01G; B01B
71: HANGZHOU XIAOSHAN TECHNICIAN COLLEGE
72: ZHAN, Jing, HE, Yingli, SHI, Chunyan
54: HIGH-FLUX PLANT TISSUE CULTURE BOX
00: -

Disclosed is a high-flux plant tissue culture box. It comprises a culture box body and a wiping component with a motor mounted outside the box. The motor's output is connected to a threaded screw rod extending into the box, which carries a threaded seat linked to a cotton cloth. As the motor rotates the screw rod, the threaded seat moves the cloth across the top inner surface of the box to wipe water vapor from fluorescent lamps, ensuring consistent light supply. A transmission component is connected to the culture box and operates in sync with the wiping mechanism. A ventilation component, also connected to the box, is driven synchronously via the transmission system. A driving bevel gear, actuated by a driven pulley, drives a gearbox linked to the ventilation fan. This coordinated action enables simultaneous wiping and ventilation within the incubator, enhancing the internal environment for plant tissue culture.



21: 2025/02689. 22: 2025/03/28. 43: 2025/10/08
51: F16M
71: XINYU UNIVERSITY
72: JIANG, Chunlin, WU, Shilan, XI, Jun, LIU, Jinhua, YANG, Chunrong
54: COMPUTER SECURITY STATUS MONITORING AND PROCESSING DEVICE
00: -

Disclosed is a computer security status monitoring and processing device, which relates to the technical field of computer installation equipment, comprising a main screen and a sub screen, the main screen and the sub screen are equipped with clamping components which include a first fixture and a second threaded rod symmetrically movable on the outside of the main screen, as well as a second fixture and a first threaded rod symmetrically movable and connected on the outside of the sub screen, the first fixture is clamped above and below the main screen by dragging, fixed by the second threaded rod. By using the fixtures, relative clamping can be carried out according to the size of the main screen and the sub screen, allowing the sub screen to adjust the angle around the main screen, achieving the function of flexible angle adjustment of the sub screen around the main screen.

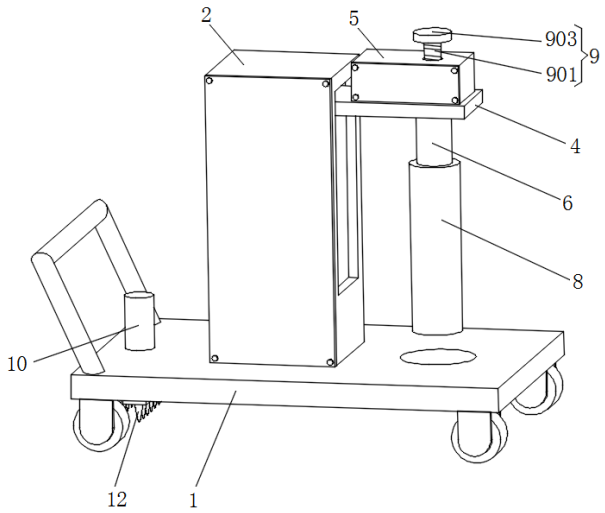


21: 2025/02690. 22: 2025/03/28. 43: 2025/10/08
51: E02D
71: SICHUAN WATER CONSERVANCY VOCATIONAL COLLEGE
72: ZHAO, Zhengbao

54: SOIL SAMPLING DEVICE FOR MINE ENVIRONMENTAL TREATMENT

00: -

Disclosed is a soil sampling device for mine environmental treatment,. It addresses the difficulty of extracting soil samples after collection. The device comprises a bottom plate with a fixed column, within which a lifting mechanism is installed. A horizontal plate is connected to the lifting mechanism, and a protective box is mounted on top. Inside the protective box, a rotating shaft is rotatably connected via a bearing. A driving mechanism enables the rotating shaft and sampling cylinder to rotate. The lifting mechanism drives the sampling cylinder downward to drill into the soil for sample collection. Additionally, a rotating handle, screw, and pushing plate are used to discharge the collected soil by pushing it out from the sampling cylinder. This design improves sampling efficiency, allows fast and convenient soil discharge, ensures effective sample collection, and enhances ease of use, making it suitable for efficient soil sampling in mine environmental treatment applications.

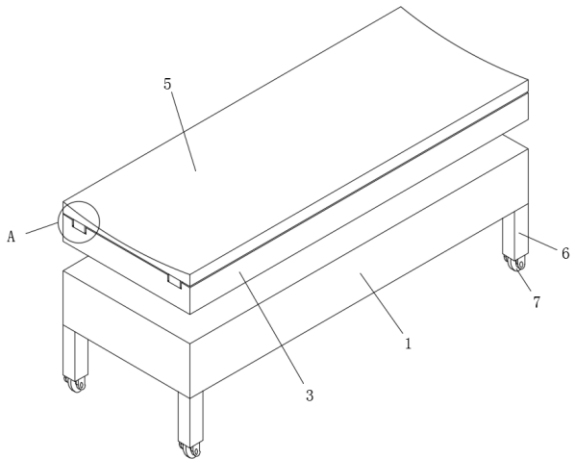


21: 2025/02691. 22: 2025/03/28. 43: 2025/10/08
51: A61G
71: THE FIRST AFFILIATED HOSPITAL OF WANNAN MEDICAL COLLEGE
72: SHEN, Yeqin, ZHAO, Zunjiang, PENG, Kai, ZHANG, Xuan

54: ULTRASONIC DIAGNOSIS EXAMINATION BED CONVENIENT TO ADJUST

00: -

The present invention relates to examination bed technology and discloses an ultrasonic diagnosis examination bed with convenient adjustment features. The device comprises a bed body, within which a lifting component is installed. A support plate is fixed to the top of the lifting component, and a moving component is arranged within the support plate. A bed plate is fixed on top of the moving component. Support legs are attached to the four corners of the bed body, and wheels are provided for mobility. The lifting component allows vertical adjustment of the bed plate, making it adaptable for patients of various ages and heights, and improving accessibility for getting on and off the bed. The moving component enables forward and backward movement of the bed plate, making it easier for medical staff to position patients during ultrasound diagnosis without requiring the patient to move, thus enhancing efficiency and comfort

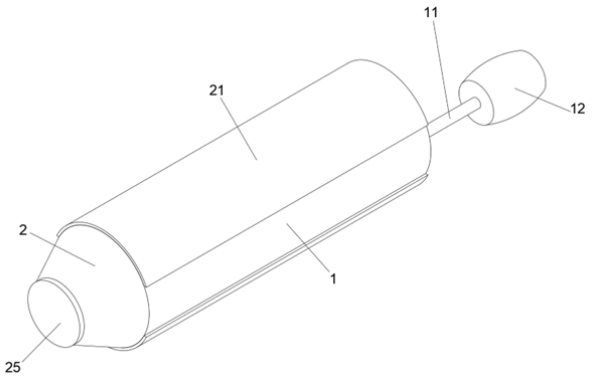


21: 2025/02692. 22: 2025/03/28. 43: 2025/10/08
51: A61B
71: THE FIRST AFFILIATED HOSPITAL OF XINXIANG MEDICAL UNIVERSITY
72: ZHANG, Peiyong
33: CN 31: 2024110694807 32: 2024-08-05

54: SURGICAL AUXILIARY OPERATING DEVICE

00: -

The present invention discloses a surgical auxiliary operating device, which includes a handheld storage pipe. One end of the handheld storage pipe is fixedly installed with a guide head, the interior of which is fixedly installed with a positioning plate. A fixed plate is also installed inside the handheld storage pipe, which contains a puncture needle. An auxiliary component is arranged inside the handheld storage pipe to assist in using the puncture needle for puncture. With the auxiliary component, the puncture needle can be easily pushed out through the guide head into the patient's body when needed, to puncture the target position. This prevents the sharp part of the puncture needle from contacting the patient or medical staff during the pushing process, achieving a puncture prevention effect and avoiding injury during use, thus improving safety.

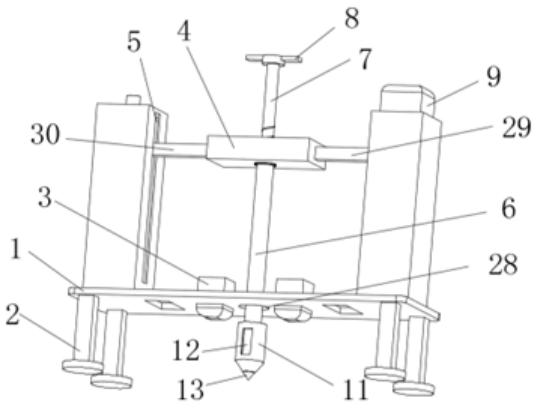


21: 2025/02693. 22: 2025/03/28. 43: 2025/10/08
51: E02D; G01N
71: NANCHANG INSTITUTE OF TECHNOLOGY
72: LI, Yanyan

54: DEVICE FOR MEASURING WATER AND FERTILIZER RETENTION OF SOIL SAMPLE

00: -

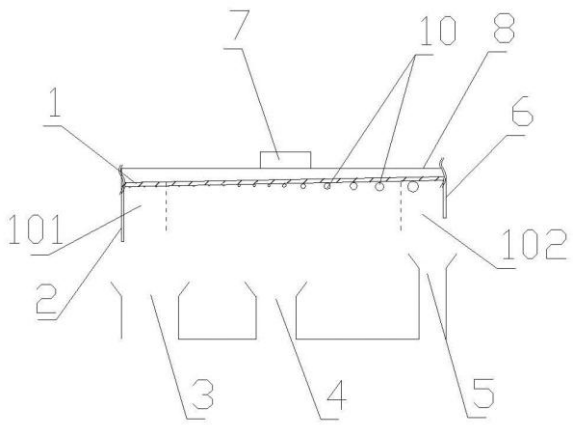
The present invention relates to soil sample water and fertilizer retention detection and discloses a measurement device comprising a body with a support column at its base. The motor body includes lifting grooves, a lifting fixing mechanism (motor, fixed column, limit ring, connecting rods, movable ring, threaded rod), and an output shell containing an output mechanism (gears, transmission gears, second motor, rotating bearing). A sampling mechanism is mounted externally and includes a drill rod, sampling drill bit, sampling grooves, deepening drill bit, rotating handle, and threaded drill rod. A measuring box is attached externally to measure water and fertilizer retention. This device enables simultaneous collection of soil samples from two different depths and allows for deeper sampling and accurate analysis of soil water and nutrient retention characteristics, improving detection efficiency.



21: 2025/02694. 22: 2025/03/28. 43: 2025/10/09
51: B03B
71: Kunming University of Science and Technology
72: Changtao WANG, Xian XIE, Chuandong ZHAO, Xiong TONG, Huxiao XIA, Yuanlin MA, Qiang SONG
33: CN 31: 2025100622046 32: 2025-01-15

54: SELF-GRAVITY DRY MAGNETIC SEPARATION SHAKING TABLE AND ITS APPLICATION IN MAGNETIC MINERAL SEPARATION

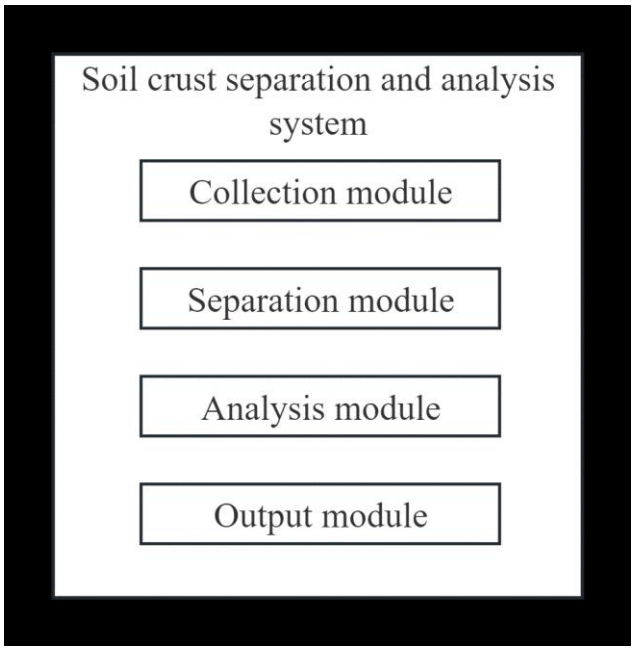
00: -
A self-gravity dry magnetic separation shaking table and its application in magnetic mineral separation is disclosed, wherein the shaking table includes a shaking table bed surface; a tailings receiving funnel and a concentrate receiving funnel are sequentially arranged below the shaking table bed surface, a concentrate baffle is arranged on one side of the lower surface of the shaking table bed surface adjacent to the concentrate receiving funnel, and the concentrate baffle is fixedly connected to the bottom of the shaking table bed surface; a magnetic field generating device is arranged above the shaking table bed surface, the magnetic field generating device is arranged on a magnetic force device supporting frame, and a motion area of the magnetic field generating device is arranged above the bed surface; the shaking table bed surface is relatively stationary, and the magnetic field generating device makes relative reciprocating but an integral forward motion. This application combines magnetic separation with gravity separation to strengthen the dry separation of magnetic materials and non-magnetic materials, solve the problem of water shortage in western and even desert areas, and obtain concentrate products with native properties.



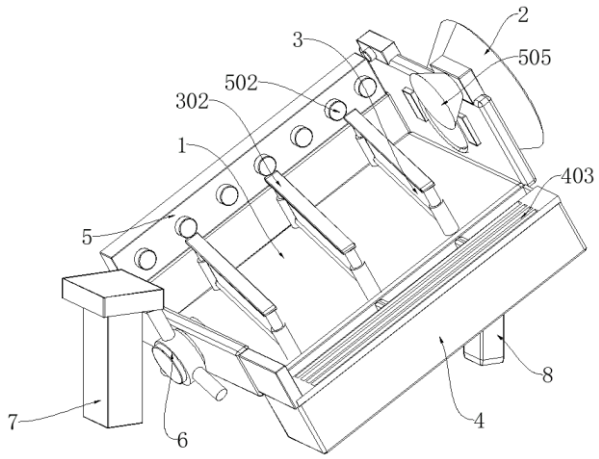
21: 2025/02695. 22: 2025/03/28. 43: 2025/10/09
51: G01N
71: Hohai University
72: Daming Yang, Dongli She, Xuan Huang, Hongde Wang, Xiaoqin Sun

54: SOIL CRUST SEPARATION AND ANALYSIS SYSTEM

00: -
The present invention provides a soil crust separation and analysis system, including a collection module, configured to collect a soil sample; a separation module, configured to separate a soil crust with a maximum thickness value of a soil crust thickness value as a horizontal line to obtain a soil crust sample; an analysis module, configured to calculate an average crust thickness value of sampling areas, calculate an average crust humidity value of the sampling areas, analyze and evaluate the soil crust sample according to the average crust thickness value and the average crust humidity value, and obtain a health value of the soil crust sample; and an output module. In the present invention, high-efficiency separation and accurate analysis of the soil crust are realized.

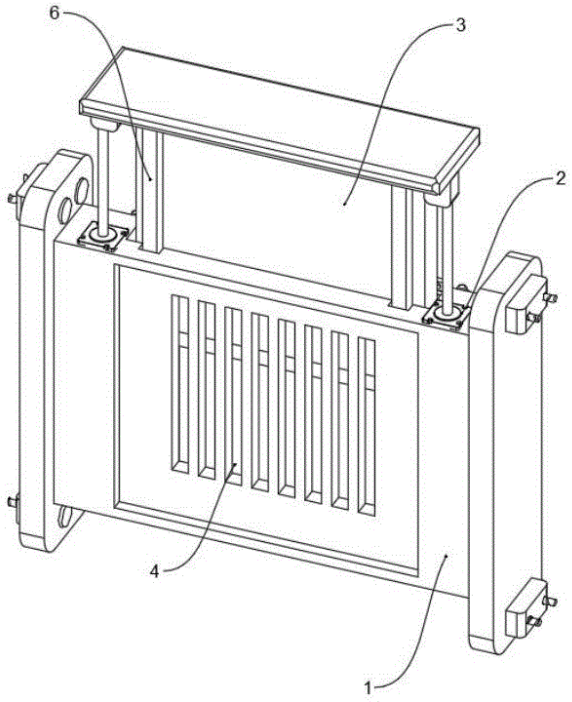


21: 2025/02696. 22: 2025/03/28. 43: 2025/10/08
51: A01K
71: Jiangsu Ocean University
72: DING Yunfei, CHEN Hongyu, LI Chuyang, CHEN Qiufan, XU Shuai
54: FISH SORTING DEVICE APPLIED TO DEEP-SEA AQUACULTURE
00: -
The present invention relates to the technical field of deep-sea aquaculture, and provides a fish sorting device applied to deep-sea aquaculture, including a tank body. A fish inlet mechanism is mounted at one end of the tank body and is used for guiding fish schools into the sorting device, sorting mechanisms are obliquely mounted on the upper part of the tank body and are used for sorting the incoming fish schools, a collection mechanism is mounted on one side of the tank body and is used for classifying and collecting the sorted fish schools, a cleaning and auxiliary mechanism is mounted on the outer side of the upper part of the tank body, the cleaning and auxiliary mechanism includes a cleaning component and an auxiliary component for cleaning the device and assisting in sorting the fish schools, a drainage mechanism is mounted at the other end of the tank body and is used for discharging the sewage after cleaning, a console is mounted beside the tank body, and a plurality of support legs are mounted at the bottom of the tank body. Through the unique design of the fish inlet channel being large at the front and small at the back, and in cooperation with the fish guiding plates and sponge bodies on the internal connecting column, it may effectively guide the fish schools to enter and avoid collision and injury.

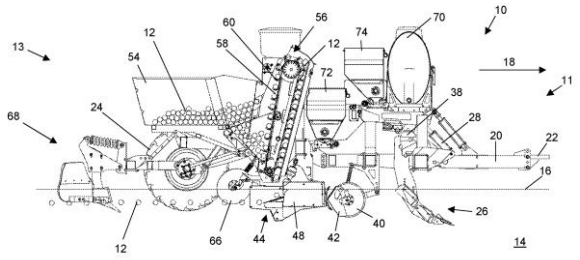


21: 2025/02697. 22: 2025/03/28. 43: 2025/10/08
51: E02B
71: Hohai University, Handan zhangfuhe irrigation water supply management division, Wuan hehu Changzhi technology service center
72: Wu Wenfeng, Wang Puxiu, Ma Luan, Guo Jie, Guo Hao, You Yuanshan, Luan Qinghua, Gao Cheng, Li Huayue
33: CN 31: 2025203076383 32: 2025-02-25
54: STRUCTURE OF FLOOD DISCHARGE GATE FOR PUMPING STATION
00: -
The invention relates to the technical field of flood gates, in particular to a flood discharge gate structure of a pumping station, comprising a base, and two push motors are fixedly arranged at the top end of the base; the output end of the push motor is fixedly connected with a flashboard; the side of the base is provided with a frame groove for accommodating and embedding the flashboard, and the frame groove is provided with a plurality of rectangular through grooves; both sides of a plurality of rectangular through grooves are provided with guiding grooves; one end of the guiding groove penetrates and extends to the top of the base; a guiding block matched with the guiding groove is fixedly arranged on the side of the flashboard; the side of the flashboard far away from the guiding block is fixedly connected with a trash rack; the trash rack is fixedly sleeved with a trash baffle. The technical problem to be solved by the invention is

that debris such as gravel in the water flow will accumulate in the gate groove, which will bring instability and hidden dangers to the flood discharge gate during use.



21: 2025/02705. 22: 2025/03/28. 43: 2025/10/09
51: A01C
71: TURNERLAND MANUFACTURING (PTY) LTD
72: TURNER, Francois
33: ZA 31: 2022/05960 32: 2022-05-30
54: ROOT CROP PLANTER
00: -
Root crop seeds (12) are planted in a single pass of a planter (10) which breaks the soil with ripper tines (26) opens furrows behind the ripper tines (26) with discs (40) and planter units (44), depositing the seeds (12) in the soil from the planter units (44), closing the furrows with discs (66) and forming ridges with ridgers (68). The seeds (12) are convened in staggered cups (60) on a conveyor (56) and are dispensed into the planter unit (44) and into the soil in double rows in a staggered configuration, corresponding to the configuration of the cups (60).



21: 2025/02706. 22: 2025/03/28. 43: 2025/10/08
51: A01D
71: TURNERLAND MANUFACTURING (PTY) LTD
72: TURNER, Francois
33: ZA 31: 2022/05961 32: 2022-05-30
54: ROOT CROP HARVESTER
00: -
A root crop is harvested on two conveyors (30, 32) with front ends that extend side-by- side behind a share (24) and the two conveyors (30, 32) extend rearwards at different inclines. Harvested root crop from the first conveyor (32) is discharged onto a third conveyor (34) and harvested root crop from the second conveyor (32) is discharged onto a cross conveyor (36), that deposits it onto the third conveyor (34). Root crop streams from both the first and second conveyors (30, 32) are consolidated onto the third conveyor (32) and are processed together.

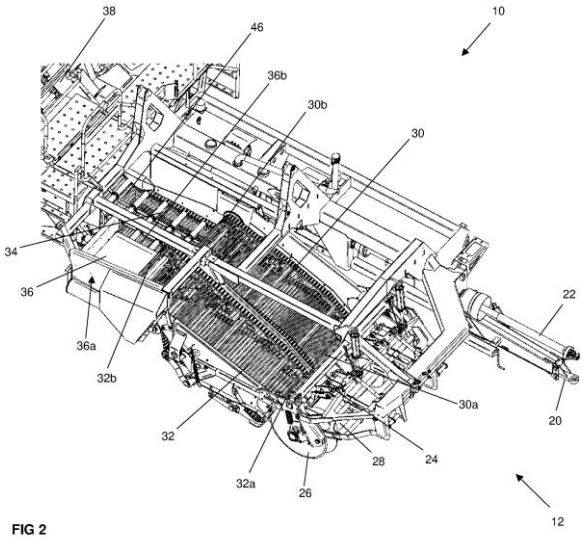
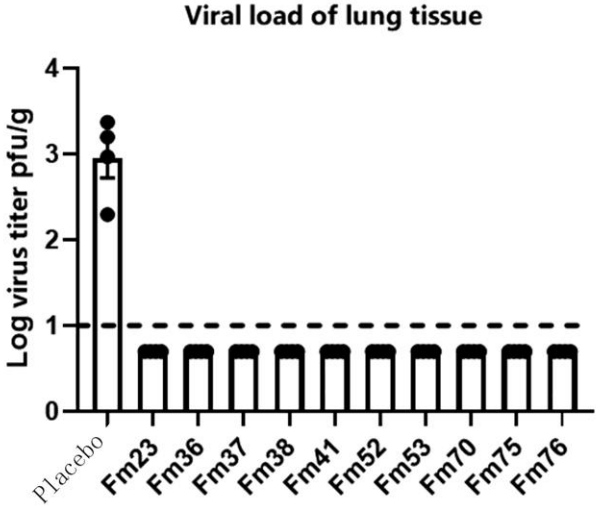


FIG 2

21: 2025/02711. 22: 2025/03/28. 43: 2025/10/08
51: A61K; C07K; C12N
71: BEIJING BENEWILL TECHNOLOGY DEVELOPMENT CO., LTD.

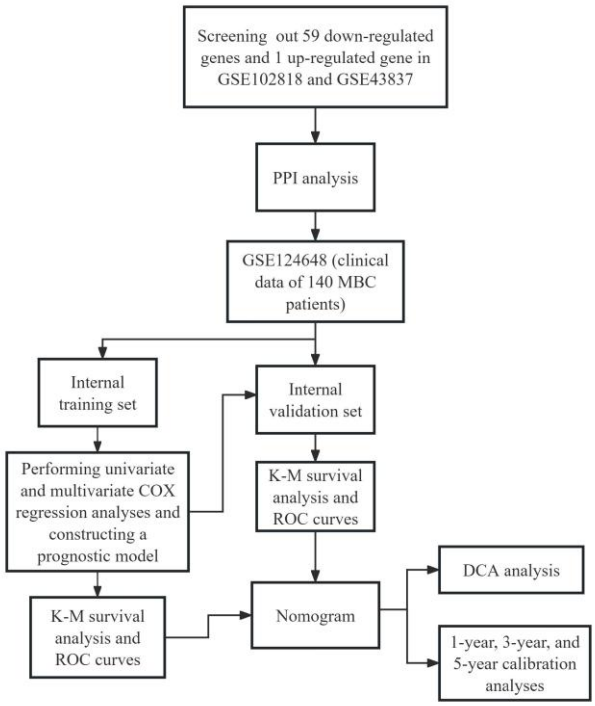
72: YAN, Jinghua, HUANG, Qingrui, YANG, Mi
33: CN 31: 202211199073.9 32: 2022-09-29
54: RESPIRATORY SYNCYTIAL VIRUS RECOMBINANT FUSION PROTEIN WITH PRE-FUSION CONFORMATION, PREPARATION METHOD AND USES THEREOF
00: -
The present application relates to a respiratory syncytial virus subtype A (RSV-A) recombinant F protein, a polynucleotide encoding the RSV-A recombinant F protein, a nucleic acid construct comprising the polynucleotide, an expression vector comprising the nucleic acid construct, a host cell into which the polynucleotide, the nucleic acid construct, or the expression vector is transformed or transfected, a stabilized trimer formed from the RSV-A recombinant F protein, an immunogenic composition comprising any of the foregoing, and use of any of the forgoing in the preparation of a vaccine for the prevention and/or treatment of respiratory syncytial virus infections. The RSV-A recombinant F protein of the present application comprises at least one epitope specific to the pre-fusion F protein, and can form a stable, pre-fusion conformation of F protein trimer. Furthermore, the RSV-A recombinant F protein of the present application can be expressed stably in a uniform form and with a significantly increased yield. The formed F protein trimer has strong immunogenicity and thus can stimulate the body to produce a high-level antibody titer, which is of great significance for the clinical treatment and prevention of respiratory syncytial virus.

21: 2025/02713. 22: 2025/03/28. 43: 2025/10/08
51: A61K; C07K; C12N
71: BEIJING BENEWILL TECHNOLOGY DEVELOPMENT CO., LTD.
72: YAN, Jinghua, HUANG, Qingrui, YANG, Mi
33: CN 31: 202211199603.X 32: 2022-09-29
54: RESPIRATORY SYNCYTIAL VIRUS RECOMBINANT FUSION PROTEIN WITH PRE-FUSION CONFORMATION, PREPARATION METHOD AND USES THEREOF
00: -
The present application relates to a respiratory syncytial virus subtype B (RSV-B) recombinant F protein, a polynucleotide encoding the RSV-B recombinant F protein, a nucleic acid construct comprising the polynucleotide, an expression vector comprising the nucleic acid construct, a host cell into which the polynucleotide, the nucleic acid construct, or the expression vector is transformed or transfected, a stabilized trimer formed from the RSV-B recombinant F protein, an immunogenic composition comprising any of the foregoing, and use of any of the forgoing in the preparation of a vaccine for the prevention and/or treatment of respiratory syncytial virus infections. The RSV-B recombinant F protein of the present application comprises at least one epitope specific to the pre-fusion F protein, and can form a stable, pre-fusion conformation of F protein trimer. Furthermore, the RSV-B recombinant F protein of the present application can be expressed stably in a uniform form and with a significantly increased yield. The formed F protein trimer has strong immunogenicity and thus can stimulate the body to produce a high-level antibody titer, which is of great significance for the clinical treatment and prevention of respiratory syncytial virus.



21: 2025/02736. 22: 2025/03/31. 43: 2025/10/08
51: C12Q; C40B
71: AFFILIATED HOSPITAL OF NANTONG UNIVERSITY
72: WANG, Qingqing, ZHU, Huixia, WANG, Chongyu, XU, Lijun, YANG, Qinyi, XIE, Chenyu, MAO, Kai
33: CN 31: 2024119135409 32: 2024-12-24
54: PROGNOSTIC MODEL FOR PATIENTS WITH METASTATIC BREAST CANCER BASED ON IMMUNE-RELATED GENES, CONSTRUCTION METHOD AND APPLICATIONS THEREOF
00: -

The present disclosure relates to the technical field of prognostic study of metastatic breast cancer. The present disclosure provides a prognostic model for patients with metastatic breast cancer based on immune-related genes, a construction method and applications thereof. The prognostic model of the present disclosure is based on the premise of differentially expressed immune-related genes between primary and metastatic lesions of breast cancer in GSE102818 and GSE43837, through clinical information and gene expression of patients with metastatic breast cancer in GSE124648, the patients with metastatic breast cancer are divided into an internal training set and a validation set for univariate and multivariate Cox analyses, the genes related to prognosis are selected, the prognostic model is constructed based on the genes related to prognosis, and The Cancer Genome Atlas-Breast Invasive Carcinoma (TCGA-BRCA) dataset is used as the external validation set of the model to detect the accuracy of the model. At the same time, by combining risk scores, progesterone receptor status and organ metastasis status, a nomogram is developed, and the C-index is calculated. This present disclosure can further develop subsequent products related to the diagnosis, treatment and prognosis of metastatic breast cancer based on the core genes in the prognostic model.



21: 2025/02737. 22: 2025/03/31. 43: 2025/10/08
51: A61K
71: ERDOS AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCE RESEARCH INSTITUTE
72: ZI, Yunfei, LI, Ran, ZI, Zhanfei, HE, Rongli, CHEN, Lan

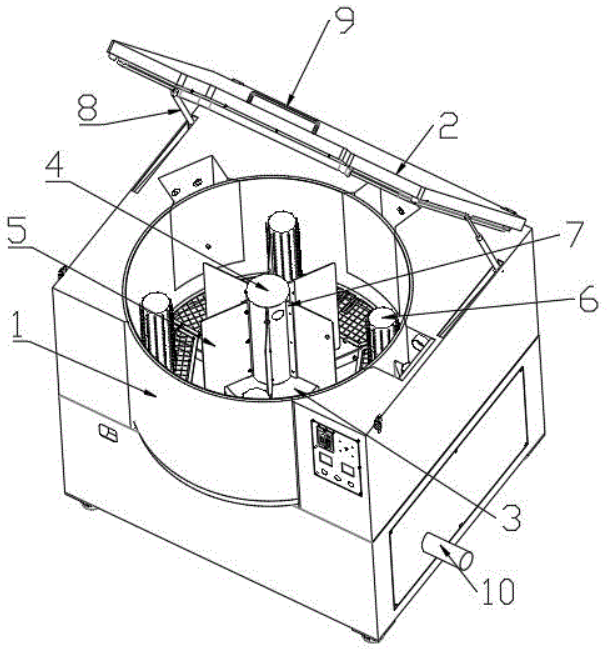
54: APPLICATION OF ARTEMISIA SEEDS IN THE PREPARATION OF MEDICAMENT FOR TREATING SALIVATION CAUSED BY ORAL SCALDS OR GASTRIC MUCOSAL SCALDS IN PIGS

00: -

The present disclosure relates to the field of pharmaceutical technology, and provides an application of Artemisia seeds in the preparation of a medicament for treating salivation caused by oral scalds or gastric mucosal scalds in pigs. When the Artemisia seeds are used in the preparation of the medicament for treating salivation caused by oral burns in pigs, the medicament is an Artemisia seeds powder or a suspension prepared from the Artemisia seeds powder. The medicament provided by the present disclosure not only exhibits excellent therapeutic effects on oral mucosal burns in pigs, demonstrating significant therapeutic efficacy for gastric mucosal burns in pigs, but also possesses certain antimicrobial and anti-inflammatory properties, enabling the medicaments to serve as an

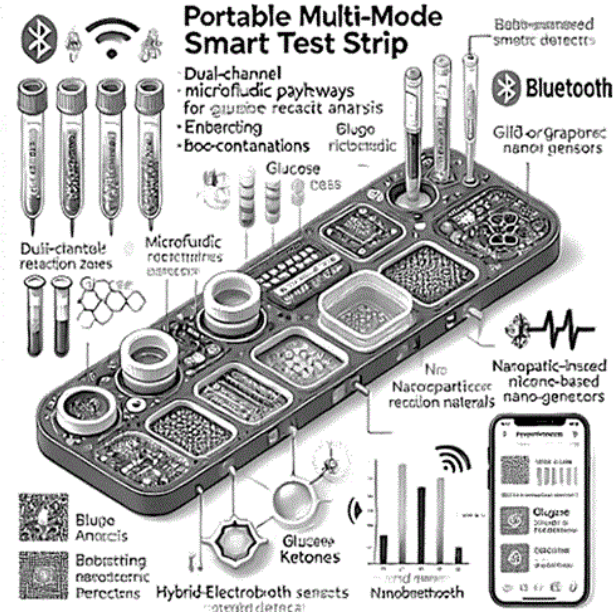
alternative to antibiotics for the prevention of post-injury bacterial infections.

21: 2025/02738. 22: 2025/03/31. 43: 2025/10/08
51: B08B
71: Suzhou University
72: Yaliu Yang
54: CLEANING DEVICE FOR SIMULATED SAND TABLE TEACHING AIDS USED IN ACCOUNTING TEACHING
00: -
A cleaning device for simulated sand table teaching aids used in accounting teaching, comprising a cleaning cylinder, an openable and closable cover is arranged above the cleaning cylinder, a stirring assembly and a cleaning assembly are arranged inside the cleaning cylinder, the stirring assembly comprises a driving motor, a rotating shaft and a plurality of stirring plates, the driving motor is used to be mounted on a bottom end of the rotating shaft, and the plurality of stirring plates are detachably mounted on the rotating shaft. The invention adopts efficient cleaning: through the cooperation of the stirring assembly and the cleaning assembly, the sand table teaching aids can be efficiently cleaned, improving cleaning efficiency. The stirring assembly includes a driving motor, a rotating shaft, and multiple stirring plates. The driving motor drives the rotating shaft, which in turn drives the multiple stirring plates to rotate simultaneously and stir the sand table teaching aids. During the stirring process, the sand table teaching aids are continuously in contact with the cleaning roller brushes, and the cleaning roller brushes clean the sand table teaching aids. The invention adopts a detachable design: the stirring plates are detachably connected via screws, making it easy to replace and clean.



21: 2025/02739. 22: 2025/03/31. 43: 2025/10/08
51: A61B
71: Mr. Amit Onkarnath Yadav, Yogesh Pralhadrao Patil
72: Mr. Amit Onkarnath Yadav, Yogesh Pralhadrao Patil
54: PORTABLE MULTI-MODE SMART TEST STRIP (PMSTS) AND SYSTEM THEREOF
00: -
The present invention relates to a Portable Multi-Mode Smart Test Strip (PMSTS) designed for real-time blood and urine analysis using an advanced bio-electrochemical sensing mechanism, microfluidics, and AI-driven diagnostics. The test strip features a dual-channel microfluidic system to prevent cross-contamination and employs capillary flow regulation for precise reagent mixing. Nanoparticle-infused reaction zones, incorporating gold or graphene-based conductive materials, enhance biomarker detection sensitivity. Integrated bio-electrochemical sensors detect analytes such as glucose, ketones, and creatinine, while Electrochemical Impedance Spectroscopy (EIS) improves accuracy, particularly for kidney function monitoring. The system includes AI-driven real-time calibration, NFC/Bluetooth connectivity for wireless data transfer, and a smartphone application that utilizes camera-based colorimetric analysis for automated result interpretation. Additionally, the test strip is made from biodegradable materials and

incorporates piezoelectric nanogenerators for self-powered operation. This innovation enhances diagnostic accuracy, automation, and remote monitoring, enabling an intelligent, eco-friendly, and accessible healthcare solution.

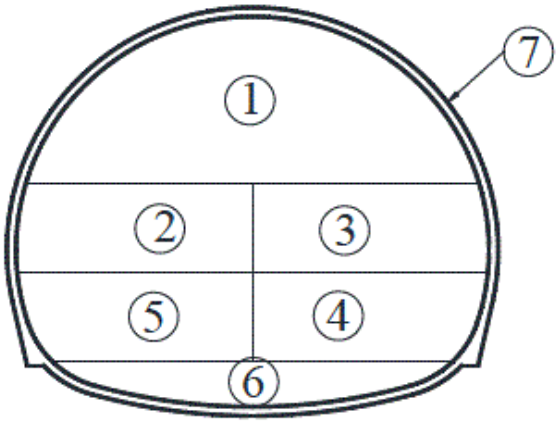


21: 2025/02741. 22: 2025/03/31. 43: 2025/10/08
51: G01N
71: China Railway 24Th Bureau Group Corporation Limited, China Railway Construction 24Th Bureau Group Southwest Construction Co. Ltd, Liaoning Technical University, Chongqing Jiaotong University
72: Xiaofei LI, Hua ZOU, Shuzhen QIN, Hao WU, Zerong YI, Long FENG, Hangyu LI, Yuji LI, Liangliang OU, Mengliu Duan, Tianwen DONG, Shasha LU, Bin XU

54: 3D PRINTED TUNNEL MODEL FOR TEST OF MULTI-PILOT-TUNNEL EXCAVATION PROCESS OF SUPER-LONG-SPAN TUNNELS

00: -

This invention discloses a 3D printed tunnel model for the test of the multi-pilot-tunnel excavation process of super-long-span tunnelsit is based on the analysis of tunnel support, tunnel structure, geometric parameters and physical parameters of surrounding rock, according to the similarity ratio, physical parameters and geometric parameters of tunnel model determined by similarity theory, the geometric parameters of tunnel face, support and secondary lining are determined according to the excavation and support construction scheme of prototype project, the independent model test components are printed by 3D printing technology, and the density matching of independent components is performed by using counterweight steel block and mealy sand according to the similarity principle one by one, finally, the components are assembled in sequence, the process simulation of excavation construction with multi-pilot tunnel, non-synchronous distance and different excavation sequences under similar conditions can be realized. The invention can make a test model for tunnel static test and dynamic test, reasonably carry out the simulation of the multi-pilot-tunnel construction process of the super-long-span high-speed railway tunnel, objectively reveal the characteristics of the tunneling construction process of the super-long-span high-speed railway tunnel, and lay a foundation for scientifically proposing the multi-pilot-tunnel construction scheme of super-long-span high-speed railway tunnels.



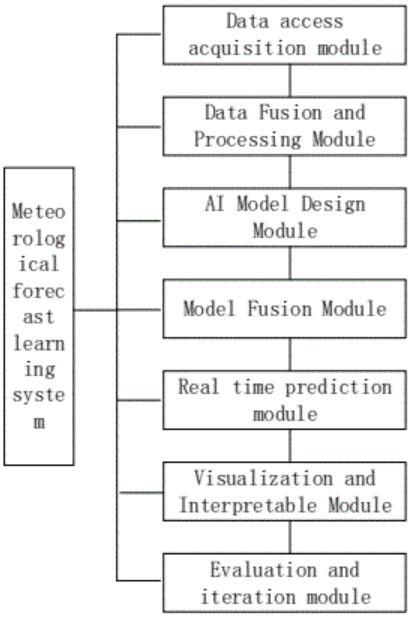
21: 2025/02742. 22: 2025/03/31. 43: 2025/10/08
51: G06F
71: Guangxi Meteorological Science Research Institute, Yunnan Natural Disaster Defense Technology Research and Development Center, Chengdu University of Information Technology
72: CHEN, Feisheng, LU, Weiping, LI, Mingzhi, LIU, Zejun, LIANG, Yuanyuan, JIANG, Fuyuan, WEI, Chunxia, XIE, Liyan, TAN, Fei, MENG, Dan
33: CN 31: 202510206850.5 32: 2025-02-25

54: WEATHER FORECAST LEARNING SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ALGORITHM

00: -

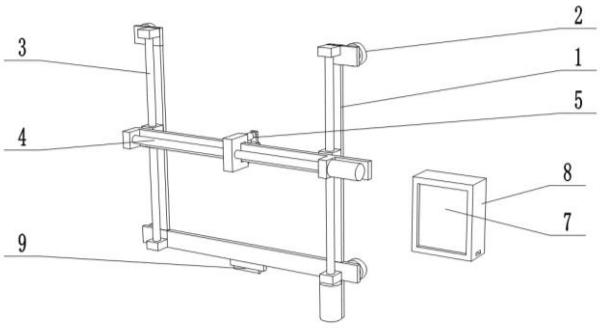
The present invention provides a weather forecast learning system based on an artificial intelligence algorithm, Including the interconnected: data access

acquisition module, Collect multi-source data sets; Data fusion and processing module, Data fusion and processing, Get the multi-source fusion data set; The AI model design module, Building a multi-model collaborative architecture, Multi-model parallel training and optimization; Model fusion module, Multi-model-weighted fusion, Get the AI model; Real-time prediction module, Based on the real-time data, Update the forecast results; Visualization and interpretable modules, Design of the visualization interface, And conduct interpretability verification; Evaluation and iteration module, Comprehensive evaluation and continuous improvement of the prediction results are combined with the evaluation indicators. The present invention can obtain accurate and reliable observation data, efficiently process massive meteorological data, automate trend analysis and prediction, and generate reliable prediction results.



21: 2025/02744. 22: 2025/03/31. 43: 2025/10/08
51: B43L
71: Henan University of Urban Construction
72: ZHOU Shuke
54: ADVANCED MATHEMATICAL PLOTTER
00: -

The invention discloses an advanced mathematical plotter, which belongs to the technical field of drawing equipment. The advanced mathematical plotter, comprising a bracket; vacuum suction cups, fixed to the four corners of the back of the bracket; a drawing mechanism, comprising a longitudinal drawing component, a transverse drawing component, and a pen-holding component; the longitudinal drawing component is fixed to both sides of the bracket and can drive the transverse drawing component to move longitudinally; the transverse drawing component is located on the outer side of the movable part of the longitudinal drawing component and can drive the pen-holding component to move transversely; the pen-holding component is fixed to the inner side of the movable part of the transverse drawing component and is used to hold the pen and control the pen lifting and lowering; an input unit, comprising a touch display screen and a USB interface; a control unit, capable of receiving electrical signals from the input unit, parsing them, and outputting control commands to the drawing mechanism. The invention can draw more accurate mathematical figures, and the use threshold is low.

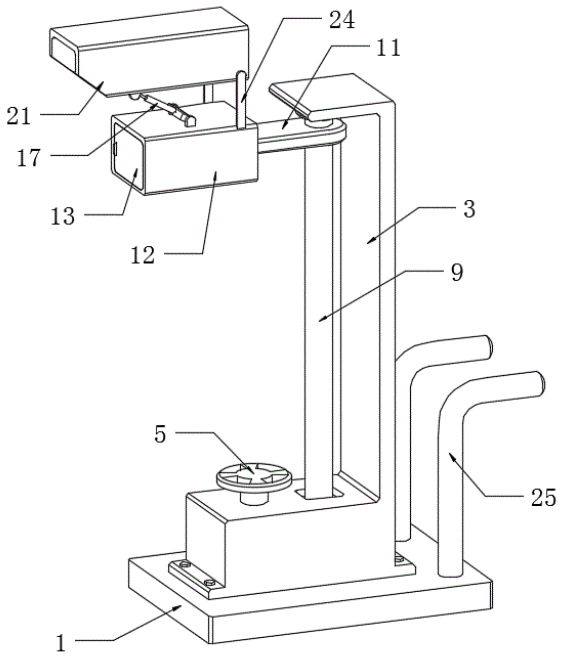


21: 2025/02745. 22: 2025/03/31. 43: 2025/10/08
51: A61K
71: Hainan Tropical Ocean University, Universiti Malaya, Yazhou Bay Innovation Institute of Hainan Tropical Ocean University
72: WANG Dongxue, HU Yaqin, WAN Yue, CHIN Yaoxian, LIM Phaikeem, WANG Peizheng, NA Guangshui
54: METHOD FOR PREPARING TOTAL SAPONINS OF CROWN-OF-THORNS STARFISH BY MICROWAVE-ULTRASOUND AND APPLICATION THEREOF IN ANTICANCER DRUGS
00: -

The invention provides a method for preparing total saponins of crown-of-thorns starfish by microwave ultrasound and application thereof in anticancer drugs, belongs to the technical field of biomedicine.

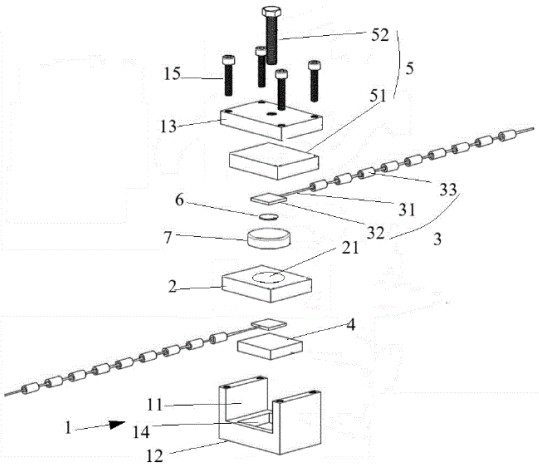
The preparation method includes following steps: taking the crown-of-thorns starfish, crushing, freezing-drying and grinding to obtain crown-of-thorns starfish powder; mixing the crown-of-thorns starfish powder with ethanol, performing microwave-ultrasonic extraction, filtering and rotary steaming; carrying out extraction, purification and rotary steaming to the extract to obtain a total saponins of the crown-of-thorns starfish solution; drying and grinding the total saponins of the crown-of-thorns starfish solution, and obtaining the total saponins of crown-of-thorns starfish. The experimental results of MTT method, DAPI staining method and Annexin V-FITC/PI method show that the total saponins of crown-of-thorns starfish can inhibit the proliferation of cancer cells and induce their apoptosis, showing significant anticancer activity, and achieving the beneficial effects of simple preparation process and good anticancer activity of the obtained anticancer extract.

21: 2025/02746. 22: 2025/03/31. 43: 2025/10/08
51: F16M
71: Wuxi University
72: JIANG Xiaoyuan, XUE Yuhan, ZOU Yanhua
54: MONITORING DEVICE FOR SAFETY PRODUCTION EMERGENCY MANAGEMENT
00: -
The present invention relates to the technical field of safety production, and particularly to a monitoring device for safety production emergency management. The monitoring device comprises a traveling base, the top of the traveling base is connected to a protective frame via multiple sets of bolts, the interior of the protective frame is slidably connected to a rotating rod, the top end of the rotating rod is fixedly connected to a rotating disk, the outer wall of the rotating rod is fixedly connected to a driving gear, one side of the driving gear is meshed with a driven gear, the interior of the driven gear is fixedly connected to a driven rod, the outer wall of the driven rod is welded to a U-shaped connecting block, the end side of the U-shaped connecting block is fixedly connected to a battery pack placement box, the top of the battery pack placement box is fixedly connected to two sets of first semi-U-shaped blocks, a first hinge shaft is welded between the two sets of first semi-U-shaped blocks, the outer wall of the first hinge shaft is slidably connected to a first U-shaped seat. The present invention achieves the adjustment of the monitoring camera's orientation and angle by operating the rotating disk and the electric telescopic rod, thereby further expanding the monitoring range of the device.



21: 2025/02747. 22: 2025/03/31. 43: 2025/10/09
51: G01N
71: Guangdong Academy of Sciences Industrial Analysis and Testing Center
72: CHEN, Wenlong, HUANG, Qiuling, XIE, Yongxin, MA, Yanfang, SHI, Changliang, GUO, Li, LU, Fengchi, WU, Wei, JIAN, Sicong
54: IMPEDANCE SPECTROSCOPY TESTING FIXTURE OF THERMAL BARRIER COATINGS
00: -
An impedance spectroscopy testing fixture of thermal barrier coatings includes a fixture body, a positioning plate, a plurality of platinum wire units, an insulating member, and a pressing member. The fixture body has a clamping cavity. The positioning plate is arranged in the clamping cavity, and the positioning plate is provided with at least one positioning through hole for accommodating a sample. The plurality of platinum wire units are arranged on both sides of the positioning plate, and the platinum wire units are connected to both ends of the sample. The insulating member is arranged on

one inner side of the clamping cavity, and the platinum wire unit on one side of the positioning plate can be pressed against the insulating member. The pressing member is arranged on the other inner side opposite to the insulating member of the clamping cavity. The pressing member is movably connected to the fixture body.

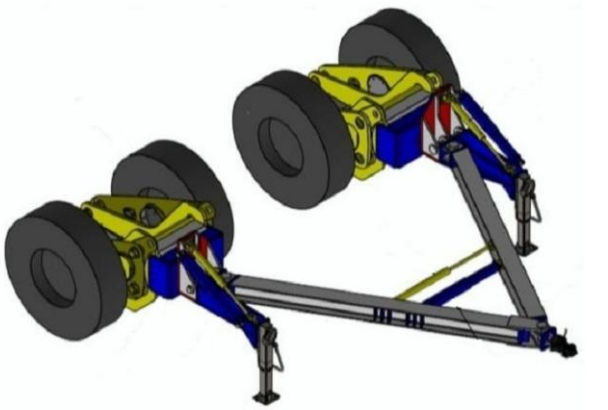


21: 2025/02753. 22: 2025/03/31. 43: 2025/10/09
51: B60B; B66F
71: Andre Nel
72: Andre Nel

54: TRANSPORTATION DEVICE USED TO TRANSPORT MACHINERY WITH CONTINUOUS TRACKS

00: -

A transport dolly comprising an A-frame having a pair of dollies each connected at their rear by longitudinal arms, which arms join about a tow-hitch assembly, wherein the spacing between the dollies is securably adjustable. The longitudinal arms are connected by a tele-scopic hydraulic cylinder, wherein the horizontal movement of the cylinder results in the adjustment of the spacing between the dollies. The desired spacing is automatically adjusta-ble through a remote controller thereby enabling the dolly to accommodate varying ma-chinery dimensions.



21: 2025/02754. 22: 2025/03/31. 43: 2025/10/09
51: G01N; H04L; H04W
71: DE WITT, Sarel Jacobus, DE BEER, Johannes Paulus
72: DE WITT, Sarel Jacobus, DE BEER, Johannes Paulus

54: PORTABLE DATA LOGGER AND COMMUNICATION SYSTEM

00: -

This invention relates to a portable, communications-enabled environmental data logger 12 and a communications system incorporating the data logger 12, which has a body that houses a controller, the body including a plurality of sensor docking stations, each of which is configured removably to receive and dock an initially discrete sensor. The data logger controller is programmed to acquire, store and communicate digital data produced by the sensors to a communications network comprising a plurality of the data loggers 12, optionally a plurality of communications-enabled data logger docking stations 26 and preferably a plurality of communications nodes 30 mounted to permanent installation sites within the monitored premises, for example an underground. The communications nodes are preferably configured for installation of the communications node between the lightbulb and the lightbulb socket of an underground electric light fitting 32.

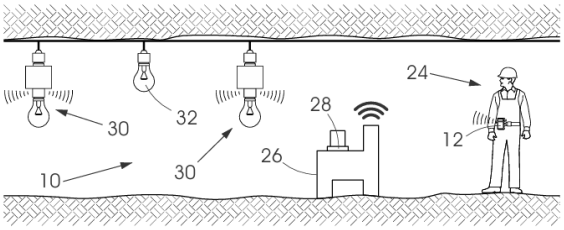
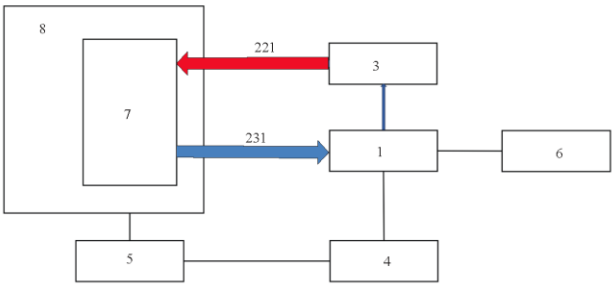
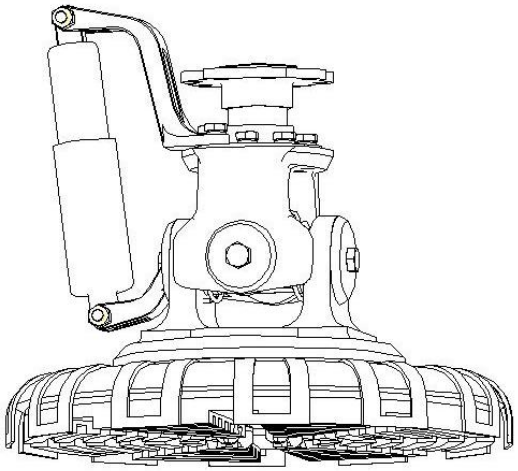


Figure 1

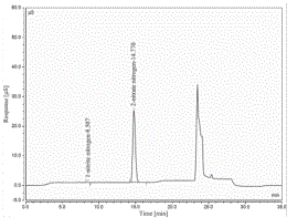
21: 2025/02755. 22: 2025/03/28. 43: 2025/10/09
51: A61M
71: THE SEVENTH MEDICAL CENTER OF PLA GENERAL HOSPITAL, BEIJING UNIVERSITY OF TECHNOLOGY
72: MA, Hongchao, KONG, Xiangyong, HUANG, Jieting, GAO, Bin
33: CN 31: 202411882301.1 32: 2024-12-19
54: SEQUENTIAL BALLOON PULSATING PULSATILE PUMP FOR ARTIFICIAL WOMB (AW), SYSTEM AND METHOD
00: -
The present disclosure provides a sequential balloon pulsating pulsatile pump for an artificial womb (AW), a system and a method, and relates to the technical field of medical devices. The sequential balloon pulsating pulsatile pump includes a pump body, where the pump body is provided in a blood flow circuit of an artificial placenta (AP), the pump body includes a first pump chamber and a second pump chamber, the first pump chamber and the second pump chamber are connected in parallel through a conduit, two ends of the conduit are respectively an inlet end and an outlet end of blood, the inlet end communicates with an umbilical artery of a fetus, the outlet end communicates with an umbilical vein of the fetus through an oxygenator; a controller, where the controller is in communication connection with a first balloon assembly and a second balloon assembly; and a heart acquisition unit, where the heart acquisition unit is provided on an outer surface of the AW, and is in communication connection with the controller. The present disclosure can generate a pulsatile blood flow, can be adapted to a high heart rate of the fetus, and does not affect the afterload balance of the heart of the fetus, thereby preventing spasms in catheterization of the umbilical vessels.



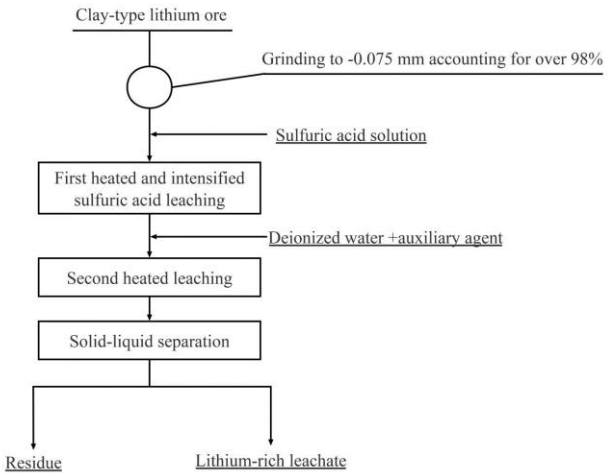
21: 2025/02756. 22: 2025/03/28. 43: 2025/10/09
51: B62D; F16F
71: INNER MONGOLIA FIRST MACHINERY GROUP CORPORATION CO., LTD.
72: MIAO, Liwu, YUAN, Ke, GAO, Junfeng, XU, Zhenyu, WANG, Liang, BAO, Chunwei, YIN, Shuai
33: CN 31: 202211048925.4 32: 2022-08-30
54: FOOT MECHANISM WITH CROSS UNIVERSAL JOINT FOR FOOT-TYPE WALKING ROBOT
00: -
The present disclosure relates to a foot mechanism with a cross universal joint for a foot-type walking robot, including an Achilles tendon upper support, an Achilles tendon shock absorber, a cross universal joint assembly, a foot supporting seat, a limiting rubber, a foot connecting disk, a plantar foot cushion assembly, a limiting self-lubricating bearing, a foot connecting support assembly, and a wrist buffer; the present disclosure incorporates bionic design ideas and is divided into four parts, namely, an ankle joint, a plantar, an Achilles tendon, and a wrist, and is suitable for the foot-type walking robot in complex road conditions. The design is based on a principle of simplicity and reliability to ensure a passing ability and service life of the robot. Where the Achilles tendon shock absorber, the wrist buffer, a cross-axis joint, a blade-type spring steel elastic skeleton, a hollow plantar rubber cushion, and other structures have good innovation, to meet functional requirements of buffering, swinging, rotating, anti-skid and the like of a foot of the foot-type walking robot.



21: 2025/02782. 22: 2025/04/01. 43: 2025/10/09
51: G01N
71: Shanghai Academy of Agricultural Sciences
72: YANG, Haifeng, LIU, Haiyan, BAI, Bing, SHAO, Yi, SI, Wenshuai, LIN, Miao
33: CN 31: 202411487727.7 32: 2024-10-24
54: APPLICATION OF ALKALI METAL HYDROXIDE, EXTRACTION METHOD AND ION CHROMATOGRAPHY DETECTION METHOD FOR NITRITE NITROGEN AND/OR NITRATE NITROGEN IN SOIL, AND REGENERATION METHOD OF CHROMATOGRAPHIC COLUMN
00: -
The present invention provides an application of an alkali metal hydroxide as an extracting agent in extraction of nitrite nitrogen and/or nitrate nitrogen in soil, an extraction method and ion chromatography detection method for nitrite nitrogen and/or nitrate nitrogen in soil, and a regeneration method of a chromatographic column, which relate to the technical field of analysis and detection. In the present invention, a first aqueous alkali metal hydroxide solution is used as the extracting agent for the nitrite nitrogen and/or the nitrate nitrogen in the soil, an extraction effect on the nitrite nitrogen and the nitrate nitrogen is good, and particularly, the extraction effect on the low-concentration nitrite nitrogen is better. Through subsequent ion chromatography detection, detection results of the nitrite nitrogen and the nitrate nitrogen have high accuracy.

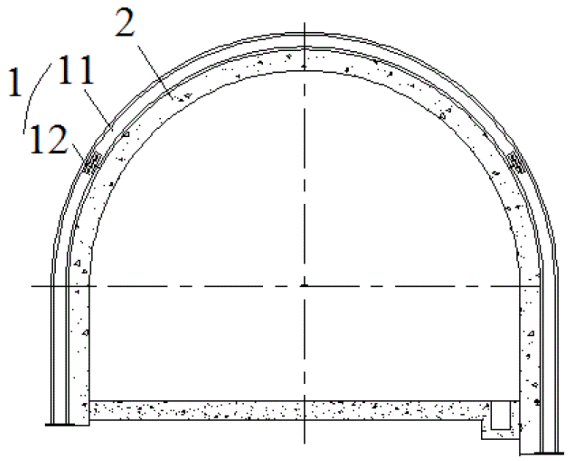


21: 2025/02783. 22: 2025/04/01. 43: 2025/10/09
51: C22B
71: Kunming University of Science and Technology
72: LIU Jian, HUANG Rong, WANG Ping, WEN Shuming, LIU Dianwen, BAI Shaojun, FENG Qicheng
54: METHOD FOR HIGH-EFFICIENCY EXTRACTING LITHIUM FROM CLAY-TYPE LITHIUM ORE
00: -
The invention discloses a method for high-efficiency method for extracting lithium from clay-type lithium ore, and belongs to the technical field of lithium extraction. According to the invention, sulfuric acid is used as a leaching agent to heat and strengthen acid leaching of clay-type lithium ore, and under the action of an additive, a higher lithium leaching rate can be achieved without roasting treatment, thus avoiding the pollution problem in the roasting process. In addition, the invention has low requirements on heating temperature and is easy to achieve in industrial production, thus showing significant advantages in lithium extraction technology. The lithium leaching rate of the method of the invention is above 90%, and compared with the common clay-type lithium ore lithium extraction technology, the method has the characteristics of simple process, low cost and high lithium leaching rate, and has no roasting treatment step.



21: 2025/02784. 22: 2025/04/01. 43: 2025/10/09
51: E21D
71: Hohai University, CCTEG SHENYANG ENGINEERING COMPANY
72: Jiayin SHI, Yong WANG, Yumin CHEN, Hongyan WANG, Yonggang GOU, Ziyu GUO, Zhiqiang ZHAO, Gui YANG, Bo SUN, Longjiao GUO, Xin ZHAO, Zhongxian HUANG
54: CONSTRUCTION SUPPORT SYSTEM AND SUPPORT METHOD FOR COAL MINE SHAFT AND DRIFT
00: -

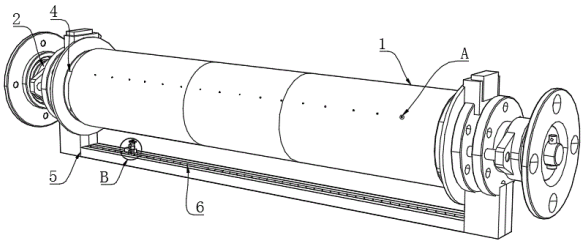
The present invention discloses a construction support system and support method for a coal mine shaft and drift, including advanced pipe sheds, reinforcing meshes, first support layers, second support layers and a plurality of upper-arch grouting pipes; the advanced pipe sheds are used for supporting an inner wall of a shaft or drift, the reinforcing meshes are disposed between the advanced pipe sheds and the inner wall of the shaft or drift, and the advanced pipe sheds and the reinforcing meshes are fixedly provided with the first support layers; the advanced pipe sheds are fixedly provided with the second support layers at the side away from the reinforcing meshes; and the plurality of upper-arch grouting pipes are circumferentially distributed at arch parts of the advanced pipe sheds. The construction support system and support method for a coal mine shaft and drift ensures construction safety and accelerates the construction progress.



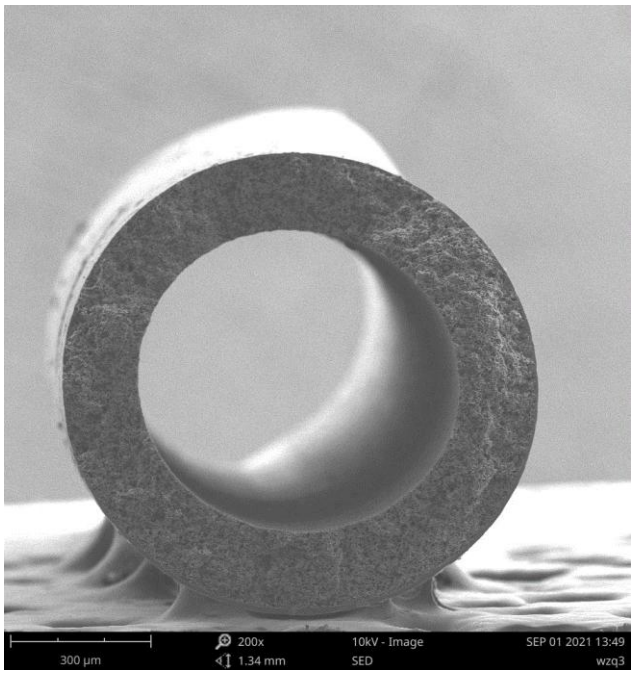
21: 2025/02785. 22: 2025/04/01. 43: 2025/10/10
51: B65G
71: Hebei Tongye Metallurgical Technology CO., Ltd
72: ZHANG Xuefeng, WANG Ying, FAN Minglei, SU Jinhu
33: CN 31: 2024117608677 32: 2024-12-03
54: WEAR-RESISTANT CONVEYOR IDLER
00: -

The present invention provides a wear-resistant conveyor idler, falling within the technical field of belt conveyor equipment components. It includes a roller body. A plurality of groups of micro-holes are equidistantly and equally disposed on a surface of the roller body, wear-resistant spherical points are welded on sides of the plurality of groups of the micro-holes, quick-drying polyurethane wear-resistant blocks are arranged in the wear-resistant spherical points, top contact points of the quick-drying polyurethane wear-resistant blocks contact a bottom wall of a belt earlier than top contact points of the wear-resistant spherical points. With the cooperation of a self-adjusting component, it is convenient to form pre-contact working points on the outer circumference of the roller body as a whole. This ensures the rotation with the belt, reduces the wear of the roller body, realizes real-time monitoring and efficient repair of the roller body wear, greatly improves the efficiency and accuracy of equipment maintenance, reduces maintenance costs, and extends the service life of the equipment. At the same time, with the cooperation of the mounting and sealing components, it further prevents the worn positions of the roller body from suffering long-term wear, which could render the roller body completely

unusable, thus improving the service life of the roller body.

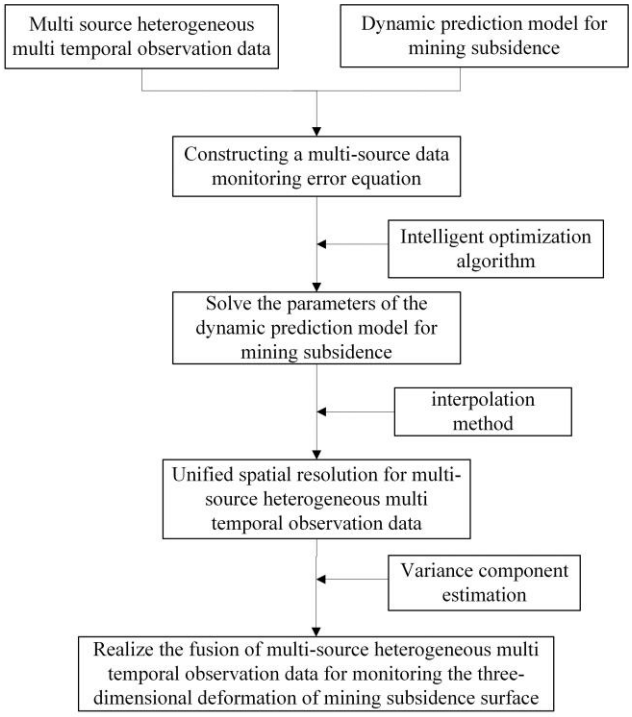


21: 2025/02786. 22: 2025/04/01. 43: 2025/10/09
51: B01D
71: Henan University of Urban Construction
72: WANG Chuanfeng, REN Haibo
54: PREPARATION METHOD FOR DOUBLE-LAYER HOLLOW FIBER LOOSE NANOFILTRATION MEMBRANE AND APPLICATION THEREOF
00: -
The present invention provides a preparation method for double-layer hollow fiber loose nanofiltration membrane and an application thereof, characterized in that during the fiber coating process, the separation pore size in the nanofiltration range is achieved for a high-strength double-layer hollow fiber membrane through fine-tuning of the coating solution formulation and phase transition parameters. The preparation method comprises the following steps: 1) preparing the casting solution: uniformly mixing film-forming polymer, pore-forming agent, volatile co-solvent, interface stabilizer, nano-silica, and solvent; 2) preparing the coagulation bath, wherein the coagulation bath is water or an aqueous solution of solvent I with a concentration below 50 wt%; wherein the solvent I is ethanol, dimethylacetamide, or dimethylformamide; 3) spinning the double-layer hollow fiber loose nanofiltration membrane. The invention employs a self-made continuous coating device to prepare a double-layer hollow fiber loose nanofiltration membrane for dye desalination using a simple phase inversion method. The preparation process is simple, economical, requires no post-treatment, and is easy to implement in continuous industrial production. Meanwhile, the prepared membrane exhibits excellent mechanical strength and high dye/salt selectivity, demonstrating broad market application prospects.



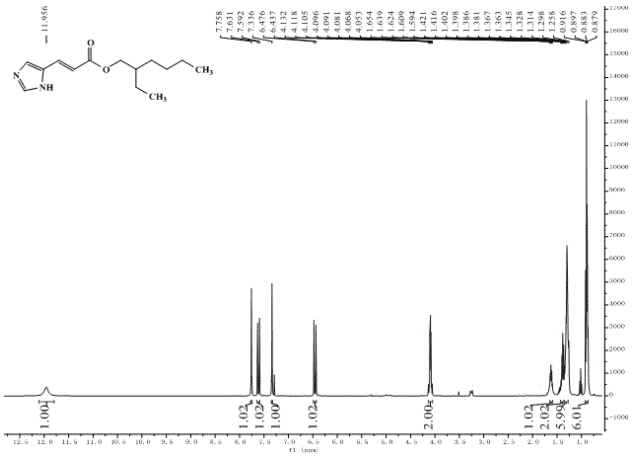
21: 2025/02787. 22: 2025/04/01. 43: 2025/10/09
51: G01C
71: SUZHOU UNIVERSITY
72: JIANG, Chuang, HU, Ru, GUO, Zhongchen, WANG, Lei
54: MULTI-SOURCE DATA FUSION MONITORING METHOD FOR MINING SUBSIDENCE BASED ON DPIM AND VARIANCE COMPONENT ESTIMATION
00: -
The present invention relates to a multi-source data fusion monitoring method for mining subsidence based on DPIM and variance component estimation. This method first utilizes the dynamic prior model of mining subsidence (DPIM) and multi-source heterogeneous multi temporal data to construct a multi-source data error equation. Secondly, the genetic algorithm is used to solve the parameters of the dynamic prior model of mining subsidence, achieving spatiotemporal benchmark synchronization of multi-source heterogeneous multi temporal data. Subsequently, common interpolation methods were used to interpolate heterogeneous data from multiple sources, achieving unified spatial and temporal resolution across multiple heterogeneous sources and time domains. On this basis, by optimizing the grouping of multi-source heterogeneous InSAR and other observed values, a least squares residual and unit weight mean square error function model is established. Subsequently,

the variance is obtained through correction values and relevant formulas, and the weights of multi-source heterogeneous InSAR and other observation data are iteratively updated based on this, thereby achieving the optimal estimation of three-dimensional deformation.



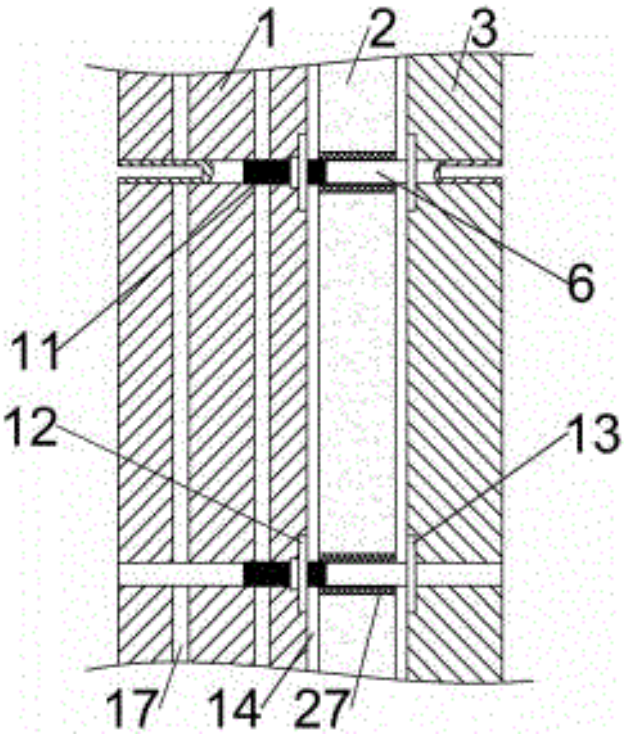
21: 2025/02788. 22: 2025/04/01. 43: 2025/10/10
51: A42C
71: NELSIE NDIMANDE
72: NELSIE NDIMANDE
54: METHOD OF MANUFACTURING A HAT
00: -
The invention relates to a method to manufacture hats from recycled news papers.

21: 2025/02789. 22: 2025/04/01. 43: 2025/10/09
51: C07F
71: Henan University of Urban Construction, Henan Jiebiaomian New Materials Co., Ltd, Henan Weinuo Biotechnology Co., Ltd
72: JI Feixiang, SONG Yongxin, GUO Yan, BAI Wenke
54: UROCANIC ACID OCTYL ESTER COMPOUND AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
The invention discloses a urocanic acid octyl ester compound and preparation method and application thereof, and belongs to the technical field of organic chemistry and functional materials. The invention provides an urocanic acid octyl ester compound and preparation method thereof. The urocanic acid octyl ester compound prepared by the invention has excellent ultraviolet absorption potential and good light stability, and can be used in a wider field of ultraviolet protection, such as ultraviolet protection of sun protection glass, lenses, spacesuits and aerospace equipment.



21: 2025/02792. 22: 2025/04/01. 43: 2025/10/09
51: E04G
71: China Railway 20th Bureau Group Municipal Engineering Co., Ltd.
72: WANG Xiangwei, WANG Junrong, MA Xiaowei, LIU Tengfei, LI Huping, ZHANG Zhengjun, LIU Benguo, DUAN Xiaopeng, YAN Chunzhi, HE Yan
54: CAST-IN-PLACE CONCRETE BUILT-IN POSITIONING INSULATION WALL AND CONSTRUCTION METHOD
00: -
The invention belongs to the technical field of building construction, providing a cast-in-place concrete built-in positioning insulation wall and construction method. The wall includes an outer wall, an inner wall, and an insulation board positioned between the outer and inner walls. The outer wall contains a steel reinforcement framework.

Several connecting rod assemblies are arranged between the outer wall, insulation board, and inner wall, each equipped with a first and second limiting plate, with the insulation board positioned between them. The connecting rod assemblies are detachably connected to outer and inner blocking components, which are used to fix the outer and inner formworks, respectively. A steel mesh component is arranged on the insulation board to prevent deformation, and several connecting components are set between the steel reinforcement framework and the steel mesh component. The invention ensures effective support and positioning of the insulation layer and avoids leaving through-holes in the wall after pouring.



21: 2025/02793. 22: 2025/04/01. 43: 2025/10/09
51: C05D
71: ZHAOQING UNIVERSITY
72: JIANG Hui, JI Qianhua, WU Yaohao
54: CARBON-SEQUESTERING AND NITROGEN-SUPPLEMENTING FERTILIZER FOR PROMOTING CITRUS PLANT GROWTH AND IMPROVING ACIDIC SOIL AND PREPARATION METHOD THEREOF
00: -

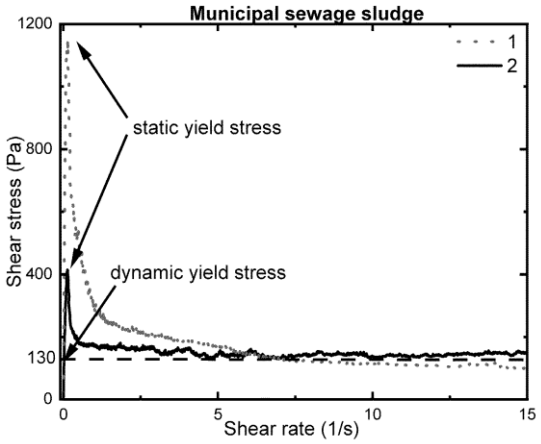
The present invention proposes a carbon-sequestering and nitrogen-supplementing fertilizer for promoting citrus plant growth and improving acidic soil and a preparation method thereof, belonging to the technical field of citrus growth promotion in acidic soil. The carbon-sequestering and nitrogen-supplementing fertilizer of the present invention comprises the following raw materials in parts by weight: 40-50 parts of biochar, 1-3 parts of nitrogen fertilizer, and 4-5 parts of binder; the biochar is prepared by anaerobic pyrolysis using waste branches pruned from citrus orchards and inter-row grasses as raw materials; the nitrogen fertilizer is urea, calcium nitrate, or ammonium nitrate; the binder is raw starch. The technical solution of the present invention turns citrus agricultural waste into valuable resources, enabling the localized sourcing and processing of biochar, thereby reducing its cost; meanwhile, it has potential application value in fertilizing soil and improving crop yield and quality. It sequesters carbon and supplements nitrogen, slows down the release of nitrogen, improves nitrogen utilization efficiency, and can also enhance the physical, chemical, and biological properties of the soil.

21: 2025/02798. 22: 2025/04/01. 43: 2025/10/09
51: G06F; H04L; G06Q
71: Alexandra de Swart
72: Alexandra de Swart
33: ZA 31: 2024/01880 32: 2025-03-06
54: CYBERCRIME AVOIDANCE PIN RECOGNITION MEANS AND METHOD
00: -

This invention relates to a system for defending against cybercrime social engineering attacks, including phishing, smishing and vishing. The

system is programmed to implement a user device identity verification process in which the user enters a secret code or PIN that is associated with the user and user device in a secure system database. The system is programmed further, to implement a messaging client identity verification process that authorises verified messaging clients to send secure messages to a user device through the system instead of directly to the user device and, in transferring the message from the messaging client to a message recipient user device, to look up the PIN associated with user device and to display the PIN as part of the message. This confirms that the messaging client is who it purports to be and that the message has no harmful content.

21: 2025/04404. 22: 2025/05/23. 43: 2025/09/09
51: C02F; C12M
71: CAMBI TECHNOLOGY AS
72: HOLTE, Hans Rasmus, LILLEBØ, Andreas Helland, BOTAN, Alexandru
33: EP 31: 22209446.8 32: 2022-11-24
54: METHODS, SYSTEMS AND PROCESS EQUIPMENT FOR OPTIMIZED CONTROL OF THERMAL HYDROLYSIS PROCESSES
00: -
Methods, systems, process equipment and plants useful in the context of subjecting biomass material to thermal hydrolysis processes (THP) and subsequent processing in the form of e.g. anaerobic fermentation, thermal reduction, biological, chemical or electrochemical processing or the like. The present invention also relates to methods for retrofitting existing plants employing Thermal Hydrolysis Processes (THP).



21: 2025/04465. 22: 2025/05/26. 43: 2025/09/23
51: B32B
71: BROWNLOW, George
72: BROWNLOW, George
33: ZA 31: 2022/13443 32: 2022-12-13
54: A CORROSION PROTECTIVE WRAPPING
00: -
The invention provides a corrosion protective wrapping designed for surface application. This wrapping features a flat, tape-like structure with both inner and outer surfaces. It consists of two distinct layers: a first layer made of homo-polymeric PIB with a specific molecular density, adapted for adhesive qualities, forming the inner surface; and a second layer composed of homo-polymeric PIB with a different molecular density or an elastomeric polymer, adapted for mechanical resilience, creating the outer surface. These two layers adhere to each other along a compatibility plane.

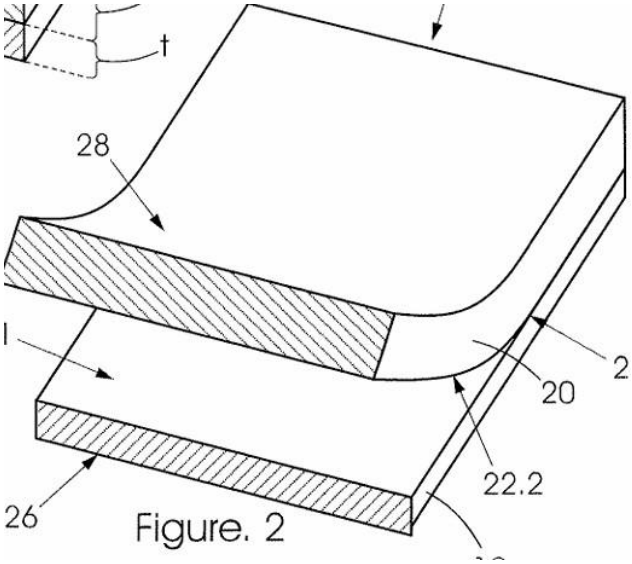


Figure. 2

21: 2025/06053. 22: 2025/07/16. 43: 2025/09/12
51: C21D; C22C
71: ARCELORMITTAL
72: Sigrid JACOBS, Xavier CHASSANG, Elke LEUNIS
33: IB 31: PCT/IB2023/061526 32: 2023-11-15
54: A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL THEREOF
00: -
The invention deals with a non-oriented electrical steel sheet having a composition comprising of the following elements, expressed in percentage by weight: 0.0001% ≤ Carbon ≤ 0.007 % 0.17% ≤ Manganese ≤ 0.4% 3% ≤ Silicon ≤ 3.6% 0.7% ≤ Aluminum ≤ 1.3 % Phosphorus ≤ 0.15 % Sulfur ≤ 0.006% Nitrogen ≤ 0.09% with 3.85% ≤ Si+Al+Mn ≤ 5.5% and can contain one or more of the following optional elements 0% ≤ Niobium ≤ 0.1% 0% ≤ Titanium ≤ 0.1% 0% ≤ Vanadium ≤ 0.1% 0% ≤ Chromium ≤ 1% 0% ≤ Molybdenum ≤ 0.5% 0% ≤ Tungsten≤ 0.1% 0% ≤ Cobalt ≤ 1% 0% ≤ Arsenic ≤ 0.05% 0.001% ≤ Calcium ≤ 0.01% 0% ≤ Copper ≤ 1% 0% ≤ Nickel ≤ 1% 0 % ≤ Boron ≤ 0.05% 0 % ≤ Lead ≤ 0.2% 0% ≤ Tin≤ 0.2% 0% ≤Antimony ≤ 0.2% the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet being made of ferrite and comprising in area fraction, 80% to 100% recrystallized microstructure, 0% to 20% non-recrystallized microstructure wherein the average grain size of recrystallized microstructure is from 20 microns to 110microns and having a percentage of eddy current losses in total iron losses, measured at 1 T and 400 Hz according to IEC 60404-2 standards, less than 25% when calculated in accordance of Bertotti method.

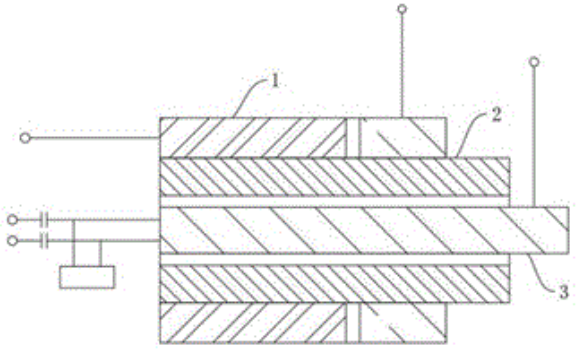
21: 2025/06240. 22: 2025/07/23. 43: 2025/08/18
51: A61K; A61P
71: Novo Nordisk A/S
72: LINDER, Martin, PALLE, Mads Sundby, DAMGAARD, Lars Holm, HANSEN, Morten, TORSTENSON, Carl Richard
33: EP(DK) 31: 20171536.4 32: 2020-04-27
54: SEMAGLUTIDE FOR THE TREATMENT OF NON-ALCOHOLIC STEATOHEPATITIS
00: -
The present invention is directed to use of the GLP-1 receptor agonist semaglutide in medical therapy for the treatment of non-alcoholic steatohepatitis.

21: 2025/06363. 22: 2025/07/29. 43: 2025/09/12
51: C22C; C21D
71: ARCELORMITTAL
72: Sigrid JACOBS, Xavier CHASSANG, Elke LEUNIS
33: IB 31: PCT/IB2023/061528 32: 2023-11-15
54: A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL THEREOF
00: -
The invention deals with a non-oriented electrical steel sheet having a composition comprising of the following elements, expressed in percentage by weight: 0.0001% ≤ Carbon ≤ 0.007 % 0.05% ≤ Manganese ≤ 0.15% 2.5% ≤ Silicon ≤ 3.1% 0.26% ≤ Aluminum ≤ 0.7 % Phosphorus ≤ 0.15 % Sulfur ≤ 0.006% Nitrogen ≤ 0.09% and can contain one or more of the following optional elements 0% ≤ Niobium ≤ 0.1% 0% ≤ Titanium ≤ 0.1% 0% ≤ Vanadium ≤ 0.1% 0% ≤ Chromium ≤ 1% 0% ≤ Molybdenum ≤ 0.5% 0% ≤ Tungsten≤ 0.1% 0% ≤ Cobalt ≤ 1% 0% ≤ Arsenic ≤ 0.05% 0.001% ≤ Calcium ≤ 0.01% 0% ≤ Copper ≤ 1% 0% ≤ Nickel ≤ 1% 0 % ≤ Boron ≤ 0.05% 0 % ≤ Lead ≤ 0.2% 0% ≤ Tin≤ 0.2% 0% ≤Antimony ≤ 0.2% the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet being made of ferrite and comprising in area fraction, 80% to 100% recrystallized microstructure, 0% to 20% non-recrystallized microstructure wherein the average grain size of recrystallized microstructure is from 20 microns to 110 microns and having a percentage of eddy current losses in total iron losses, measured at 1 T and 400 Hz according to IEC 60404-2 standards,

from 35% to 45% when calculated in accordance of Bertotti method.

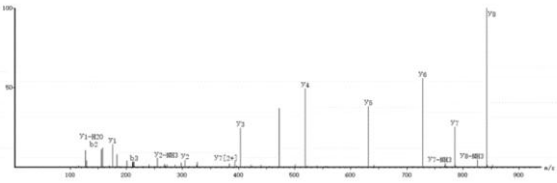
21: 2025/06368. 22: 2025/07/29. 43: 2025/09/12
51: C21D; C22C
71: ARCELORMITTAL
72: Sigrid JACOBS, Xavier CHASSANG, Elke LEUNIS
33: IB 31: PCT/IB2023/061537 32: 2023-11-15
54: A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL THEREOF
00: -
The invention deals with a non-oriented electrical steel sheet having a composition comprising of the following elements, expressed in percentage by weight: 0.0001 % ≤ Carbon ≤ 0.007 % 0.09% ≤ Manganese ≤ 0.15% 2.5% ≤ Silicon ≤ 3% 0.1 % ≤ Aluminum ≤ 0.5 % Phosphorus ≤ 0.15 % Sulfur ≤ 0.006% Nitrogen ≤ 0.09% and can contain one or more of the following optional elements 0% ≤ Niobium ≤ 0.1 % 0% ≤ Titanium ≤ 0.1 % 0% ≤ Vanadium ≤ 0.1 % 0% ≤ Chromium ≤ 1 % 0% ≤ Molybdenum ≤ 0.5% 0% ≤ Tungsten≤ 0.1 % 0% ≤ Cobalt ≤ 1 % 0% ≤ Arsenic ≤ 0.05% 0.001 % ≤ Calcium ≤ 0.01 % 0% ≤ Copper ≤ 1 % 0% ≤ Nickel ≤ 1 % 0 % ≤ Boron ≤ 0.05% 0 % ≤ Lead ≤ 0.2% 0% ≤ Tin≤ 0.2% 0% ≤Antimony ≤ 0.2% the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet being made of ferrite and comprising in area fraction, 80% to 100% recrystallized microstructure, 0% to 20% non-recrystallized microstructure wherein the average grain size of recrystallized microstructure is from 20 microns to 110microns and having a percentage of eddy current losses in total iron losses, measured at 1 T and 400 Hz according to IEC 60404-2 standards, from 35% to 45% when calculated in accordance of Bertotti method.

21: 2025/06369. 22: 2025/07/29. 43: 2025/08/04
51: B01J; B01D
71: HANGZHOU SUODE MEDICAL EQUIPMENT CO., LTD.
72: SHENTU, YONG, SHENTU, QIJIAN, ZHOU, XIN
33: CN 31: 202510022342.1 32: 2025-01-07
54: INTELLIGENT TEMPERATURE-CONTROLLED AND BUBBLE-ELIMINATING PLASMA ELECTRODE SYSTEM AND CONTROL METHOD THEREOF
00: -
The present application relates to the technical field of plasma electrodes, and particularly relates to an intelligent temperature-controlled and bubble-eliminating plasma electrode system and a control method thereof. The system includes an electrode tip, a ceramic insulating layer, an outer electrode, a micro-temperature sensor array, an electromagnetic field modulation apparatus and an optimized electrode surface microstructure design, where the electrode tip is located at a center of the electrode, the outer layer is the ceramic insulating layer, the outer layer of the ceramic insulating layer is the outer electrode, and the micro-temperature sensor array covers a key operating area and achieves a temperature acquisition function by connecting in parallel a temperature sampling circuit; the electromagnetic field modulation apparatus generates micro-vibration on the ceramic insulating layer by adjusting the electromagnetic field strength and frequency so as to facilitate bubble discharge. The present application has the effect of not increasing the volume of the plasma electrode while achieving temperature acquisition and bubble elimination.



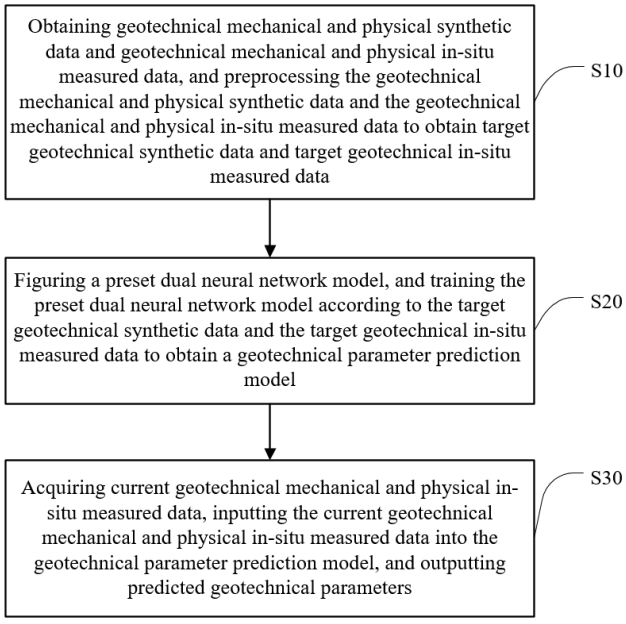
21: 2025/06533. 22: 2025/08/04. 43: 2025/10/01
51: G01N
71: Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences, Institute of Apicultural Research, Chinese Academy of Agricultural Sciences, Sanya Research Institute, Chinese Academy of Tropical Agricultural Sciences, Animal Husbandy and Fishery Service Center of Baoting Li and Miao Autonomous County, Hainan Jiexi Agriculture Technology Co., Ltd

72: WANG, Shijie, HU, Han, WU, Jiao, ZHAO, Shan, LI, Ying, PENG, Huixian
33: CN 31: 202510527421.8 32: 2025-04-25
54: APPLICATION OF PEPTIDE MARKER FOR AUTHENTICATING STINGLESS BEE HONEY
00: -
The present invention discloses an application of a peptide marker for authenticating stingless bee honey and relates to the technical field of biology. The present invention provides a specific peptide marker for authenticating stingless bee honey. By detecting specific amino acid sequences, it is possible to accurately distinguish stingless bee honey from other types of honey, so that the problems associated with traditional authentication methods, such as high subjectivity and susceptibility of physicochemical indicators to interference, are avoided, and the accuracy of authentication is significantly improved.



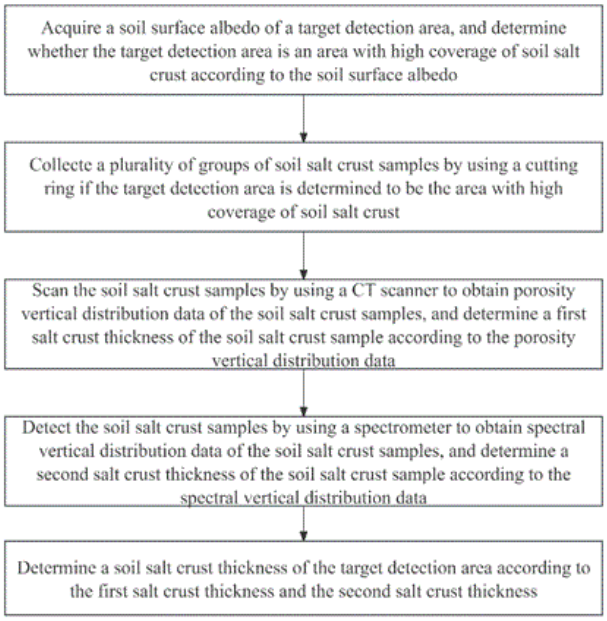
21: 2025/06651. 22: 2025/08/07. 43: 2025/08/08
51: A61Q; A61K; C11D
71: UNILEVER GLOBAL IP LIMITED
72: BANKAR, PRAVIN, BAPAT, MOHINI ANAND, GHATLIA, NARESH DHIRAJLAL, MAJUMDAR, AMITABHA, MATHAPATHI, MRUTHYUNJAYA SWAMY, SANZGIRI, VIBHAV RAMRAO, SETHNA, SIMONE
33: EP 31: 24150989.2 32: 2024-01-09
54: SOAP BAR COMPOSITIONS WITH IMPROVED SKIN BENEFITS
00: -
Disclosed is a soap bar composition comprising 20 to 80 wt% total fatty matter; 0.1 to 5 wt% electrolyte; 0.001 wt% to 5 wt% PPAR activator selected from 10-hydroxystearic acid or 12-hydroxystearic acid; 1 to 45 wt% complex carbohydrate comprising starch; and 10 to 50 wt% water.

21: 2025/06704. 22: 2025/08/06. 43: 2025/09/16
51: G01N; G01V; G06F; G06N
71: RESEARCH INSTITUTE OF TSINGHUA UNIVERSITY IN SHENZHEN
72: ZHANG, Zijian, LI, Ya, JIANG, Zhengbo, PANG, Xishun, SUN, Luwei
33: CN 31: 202411945056.4 32: 2024-12-27
54: APPARATUS, SYSTEM, AND METHOD FOR DETERMINING GEOTECHNICAL PARAMETERS USING PULSED NEUTRONS
00: -
Disclosed are an apparatus, a system, and a method for determining geotechnical parameters using pulsed neutrons, the method includes: obtaining and preprocessing geotechnical mechanical and physical synthetic data and geotechnical mechanical and physical in-situ measured data, to obtain target geotechnical synthetic data and target geotechnical in-situ measured data; figuring a preset dual neural network model, and training the preset dual neural network model according to the target geotechnical synthetic data and the target geotechnical in-situ measured data to obtain a geotechnical parameter prediction model; acquiring and inputting current geotechnical mechanical and physical in-situ measured data into the geotechnical parameter prediction model, and outputting a geotechnical parameter prediction result. The present disclosure integrates pulsed neutrons, CPT, and data processing methods, combined with neural network models, to enable effective measurement and accurate analysis of key geotechnical parameters, thereby obtaining more precise parameters.



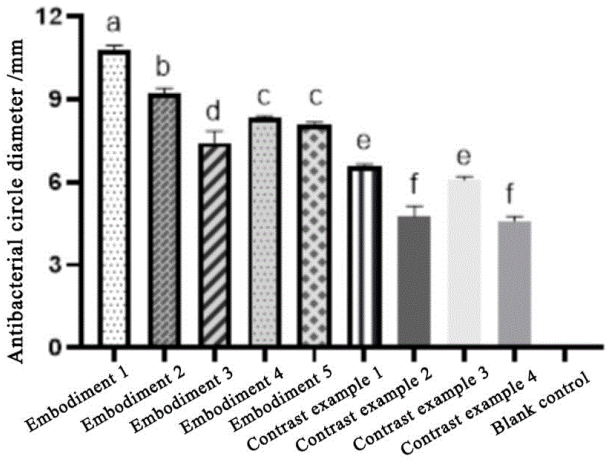
21: 2025/07063. 22: 2025/08/25. 43: 2025/09/16
51: G01N
71: HOHAI UNIVERSITY

72: Yang, Daming, She, Dongli, Yang, Xiaolong, Huang, Xuan, Liu, Kaihua, Wang, Hongde, Sun, Xiaoqin
33: CN 31: 2025109105401 32: 2025-07-02
54: METHOD AND SYSTEM FOR DETECTING SOIL SALT CRUST IN COASTAL AREA
00: -
The present invention relates to the technical field of salt crust detection, and provides a method and system for detecting soil salt crust in a coastal area. The method includes: acquiring a soil surface albedo of a target detection area, and determining whether the target detection area is an area with high coverage of soil salt crust; collecting a plurality of groups of soil salt crust samples if the target detection area is determined to be the area with high coverage of soil salt crust; scanning the soil salt crust samples by using a computed tomography (CT) scanner to obtain porosity vertical distribution data, and determining a first salt crust thickness of the soil salt crust sample; and detecting the soil salt crust samples by using a spectrometer to obtain spectral vertical distribution data, and determining a second salt crust thickness of the soil salt crust sample. In the present invention, by combining porosity data and spectral data, the thickness of the soil salt crust can be more accurately evaluated, and the detection accuracy is improved.



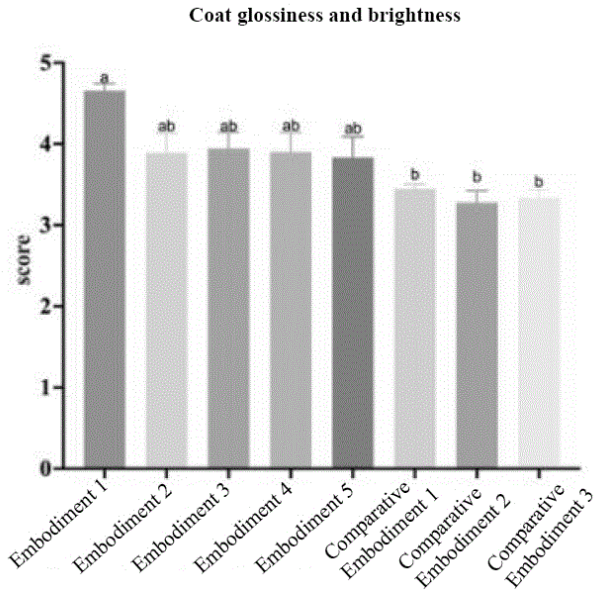
21: 2025/07589. 22: 2025/09/09. 43: 2025/09/16
51: A61K

71: China Agricultural University
72: ZHANG Hao, XIONG Wei, CHEN Qianqian, DONG Hao, WANG Ran
33: CN 31: 2024112959889 32: 2024-09-18
54: ANTIBACTERIAL COMPOSITION AND ITS PREPARATION METHOD AND APPLICATION
00: -
The present invention belongs to the technical field of pet care, and specifically to an antibacterial composition and its preparation method and application are provided. The antibacterial composition comprises 1~2% of a peony extract, 1~2% of a licorice extract, and 1~2% of a hydrolyzed zinc hyaluronate by mass percentage. The antibacterial composition of the present disclosure incorporates various natural traditional Chinese medicine ingredients, and by the scientific formulation and proportion, the synergistic effects between the various ingredients, especially a peony extract, a licorice extract, and hydrolyzed zinc hyaluronate, greatly improve the antibacterial, anti-inflammatory, repairing, and protective effects.



21: 2025/07844. 22: 2025/09/15. 43: 2025/10/01
51: A23K
71: China Agricultural University
72: ZHANG Hao, LI Yixuan, WANG Xiaoyu, XIONG Wei
33: CN 31: 2024112960513 32: 2024-09-18
54: PET FOOD WITH COAT HEALTH BENEFITS, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF
00: -
Disclosed is a pet food with coat health benefits, a preparation method therefor and an application thereof. The food includes the following components in parts by weight: 39-45 parts of fresh chicken

meat, 3-9 parts of fresh chicken heart, 3-9 parts of fresh chicken liver, 3-9 parts of fresh chicken cartilage, 2-8 parts of barley grass powder, 0.1-2 parts of Chinese yam, and 0.1-2 parts of scallop. The pet food's raw materials are all natural substances, which are widely sourced, wholesome, nutrient-rich, and highly palatable. By employing a specific formulation of the present invention—particularly a precise ratio of Chinese yam and scallop—the food not only supplies essential nutrients for pets' growth and development but also fundamentally addresses coat health issues. It helps reduce skin inflammation, promotes coat growth, and maintains a glossy coat. Furthermore, the preparation method is straightforward, easy to master, and readily scalable for industrial production.



21: 2025/07864. 22: 2025/09/15. 43: 2025/09/29
51: C21D; C22C
71: ARCELORMITTAL
72: Sigrid JACOBS, Xavier CHASSANG, Elke LEUNIS
33: IB 31: PCT/IB2023/061534 32: 2023-11-15
54: A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NONORIENTED ELECTRICAL STEEL THEREOF
00: -
The invention deals with a non-oriented electrical steel sheet having a composition comprising of the following elements, expressed in percentage by weight: 0.0001% ≤ Carbon ≤ 0.005 % 0.2% ≤ Manganese ≤ 0.3% 3.1% ≤ Silicon ≤ 3.6% 0.6% ≤ Aluminum ≤ 1 % Phosphorus ≤ 0.15 % Sulfur ≤ 0.006% Nitrogen ≤ 0.09% and can contain one or more of the following optional elements 0% ≤ Niobium ≤ 0.1% 0% ≤ Titanium ≤ 0.1% 0% ≤ Vanadium ≤ 0.1% 0% ≤ Chromium ≤ 1% 0% ≤ Molybdenum ≤ 0.5% 0% ≤ Tungsten≤ 0.1% 0% ≤ Cobalt ≤ 1% 0% ≤ Arsenic ≤ 0.05% 0.001% ≤ Calcium ≤ 0.01% 0% ≤ Copper ≤ 1% 0% ≤ Nickel ≤ 1% 0 % ≤ Boron ≤ 0.05% 0 % ≤ Lead ≤ 0.2% 0% ≤ Tin≤ 0.2% 0% ≤Antimony ≤ 0.2% the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet being made of ferrite and comprising in area fraction, 80% to 100% recrystallized microstructure, 0% to 20% non-recrystallized microstructure wherein the average grain size of 18 recrystallized microstructure is from 20 microns to 110microns and having a percentage of eddy current losses in total iron losses, measured at 1 T and 400 Hz according to IEC 60404-2 standards, from 30% to 35% when calculated in accordance of Bertotti method.

21: 2025/08079. 22: 2025/09/22. 43: 2025/10/15
51: A23K; A61J; C07C
71: ANIPHA TECHNOLOGIES PTY LTD
72: Xianfeng PENG
33: CN 31: 202311270244.7 32: 2023-09-28
54: USE OF A CLASS OF ORGANIC ACID METAL COMPOUNDS AS ANIMAL FEED ADDITIVES
00: -
The present invention belongs to the field of animal feed additives, and in particular relates to the use of a class of organic acid metal compounds and/or solvates thereof as animal feed additives or in the preparation of animal feed additives. The organic acid metal compound and/or the solvate thereof provided in the present invention can effectively make animals gain weight and increase feed conversion rate, and has a good effect on improving production performance of animals. Furthermore, when applied to animals, the organic acid metal compound and/or the solvate thereof provided in the present invention are essentially residue-free in tissues such as muscles and liver of edible animals.

21: 2025/08080. 22: 2025/09/22. 43: 2025/10/01
51: B29B; C08K; C08L; D06M
71: HU' NAN XIECHENG PIPES TECHNOLOGY CO., LTD
72: CAO, Xuanyong, CAO, Liwei, ZHANG, Yuping
33: CN 31: 202310360319.4 32: 2023-04-06
54: PREPARATION METHOD FOR ENVIRONMENT-FRIENDLY NATURAL BAMBOO

FIBER-MODIFIED PE COMPOSITE MATERIAL AND PRODUCT, AND USE

00: -

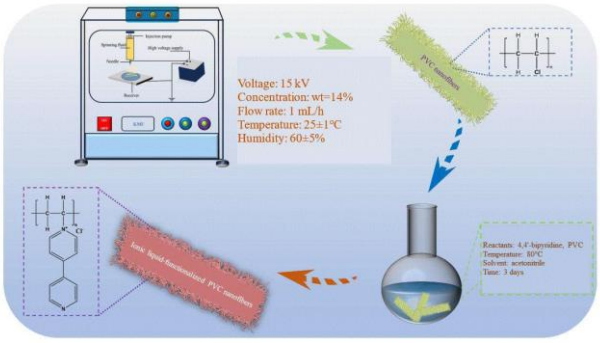
Disclosed in the present application are a preparation method for an environment-friendly natural bamboo fiber-modified PE composite material and a product thereof, and use. The composite material comprises the following raw materials in parts by weight: 20-70 parts by mass of modified bamboo fibers, 30-80 parts by mass of a PE mixed ingredient, 3-7 parts by mass of U/VLDPE-G-MA, and 0.55-1.2 parts by mass of a processing aid. According to the present invention, not only does material design strive for environmental protection, but also the traditional bamboo fiber acid and alkali treatment process is eliminated, achieving energy saving and environmental protection during production. According to the present invention, by means of optimizing the material formula, optimizing the surface treatment process of bamboo fibers, and optimizing preparation parameters and the processing process of the composite material, the flow processability of the composite material can be remarkably improved, and the processing temperature of the composite material and the product is reduced to 145 degrees celsius or below, thereby reducing carbonization and damage of the bamboo fibers.

21: 2025/08202. 22: 2025/09/26. 43: 2025/10/01
51: D01F
71: Kunming University
72: Zhifeng NIE, Yi ZHANG, Hongxing HE, Ni YANG, Gang XIE
33: CN 31: 2024113701728 32: 2024-09-29

54: PREPARATION METHOD AND APPLICATION OF PHOTORESPONSIVE MODIFIED POLYVINYL CHLORIDE NANOFIBER

00: -

The present invention discloses a preparation method and application of light-responsive modified polyvinyl chloride nanofibers, belonging to the field of polymer materials technology. In the present invention, polyvinyl chloride (PVC) is used as the matrix material, PVC nanofibers are prepared by electrospinning technology, and further modified by ionic liquid modification to successfully prepare modified PVC nanofibers with excellent adsorption performance. The modified nanofiber adsorbent prepared by combining electrospinning technology and ionic liquid technology in the present invention exhibits good responsiveness to illumination. By providing visible light irradiation, the adsorption rate and adsorption capacity can be significantly improved. In addition, the light-responsive modified polyvinyl chloride nanofibers prepared in this invention, when used as an adsorbent for the selective recovery of Au3+, can effectively solve the problem of gold adsorption, recovery, and removal from high-concentration solutions, and have broad application prospects.

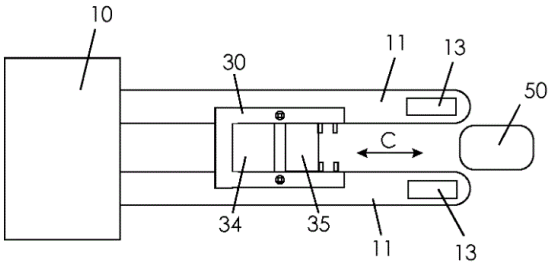


21: 2025/08502. 22: 2025/10/08. 43: 2025/10/15
51: B64F
71: PONDORFER, Prisca, PONDORFER, Viola
72: PONDORFER, Prisca, PONDORFER, Viola
33: GB 31: 2305767.2 32: 2023-04-19

54: AIRCRAFT TUGS

00: -

An aircraft tug comprises a steerable forklift device (10) that is powered for travel in a forwards and backwards direction and has a pair of forks (11) that can be raised and lowered, the tug further comprising an adapter 30 that is secured between the forks (11) to provide spaced abutments (34, 35) for a wheel such that, in use, the forks (11) can be positioned at opposite sides of an aircraft wheel (50) with the abutments (34, 35) fore and aft of the wheel (50), whereby the wheel (50) may be lifted by the forklift device (10) and then moved by powered travel of the forklift device (10).

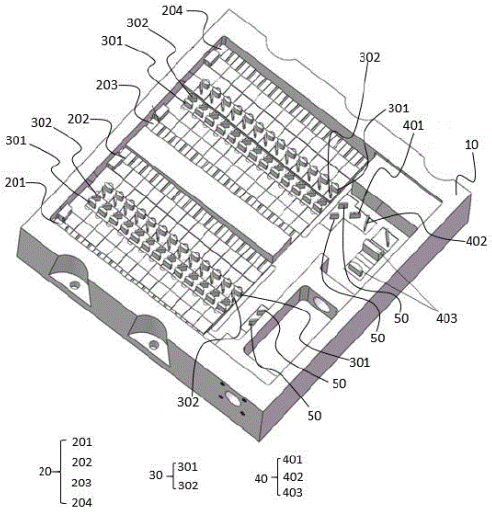


21: 2025/08559. 22: 2025/10/10. 43: 2025/10/15
51: H01S
71: Jiangsu JITRI Photonics Intelligent Equipment Co., Ltd
72: SUN Kexiong, ZHANG Jun, TANG Chunwei, CHEN Xu
33: CN 31: 202510039845.X 32: 2025-01-10

54: LIGHTWEIGHT AND HIGH-POWER PUMP SOURCE

00: -

The present invention relates to a lightweight and high-power pump source. The lightweight and high-power pump source includes a housing and N groups of pump light chips mounted in the housing in sections, where N is an integer greater than or equal to 1. Each group of pump light chips includes corresponding coupling lens assemblies. Each group of pump light chips is used for emitting pump laser light with different wavelengths. The pump laser light is subjected to beam shaping through the corresponding coupling lens assemblies and coupled to an output optical fiber through an output lens assembly. The housing is made of graphene-enhanced aluminum-based composite material. According to the present invention, the package housing is made of lightweight material. On one hand, excellent mechanical properties and stability are maintained. On the other hand, density of the package housing is far low than that of oxygen-free copper. Thus a weight of the pump source per unit power is effectively reduced, an entire optical fiber laser system is lighter, and mounting and maintenance are easy. Moreover, the pump light chips with a plurality of wavelengths are introduced. Wavelength distribution of the pump light is optimized. Thus the wavelength distribution is more consistent with absorption characteristics of ytterbium-doped optical fibers. A thermal load of the ytterbium-doped optical fibers is effectively dispersed. A threshold value of a mode instability effect is significantly increased. Thus a power output capability and long-term operation stability of the optical fiber laser system are improved.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

3. DESIGNS

DESIGNS

APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

. - APPLIED ON 2025/09/19 -

A2025/01155 - SESLI TEXTILES (PTY) LTD. Class 32. PATTERNS

F2025/01153 - CLAASSEN, George Frederick Class 13. CLIPS

A2025/01152 - MERCEDES-BENZ GROUP AG Class 12. AUTOMOBILE

A2025/01154 - BATHU SWAG (PTY) LIMITED Class 2. FOOTWEARS

. - APPLIED ON 2025/09/22 -

A2025/01156 - MABU TRIBE (PTY) LTD Class 4. HAIRBRUSH

. - APPLIED ON 2025/09/23 -

A2025/01159 - YETI COOLERS, LLC Class 3. BACKPACK

A2025/01158 - Automobili Lamborghini S.p.A. Class 21. MODEL VEHICLES

A2025/01160 - YETI COOLERS, LLC Class 3. BACKPACK

A2025/01163 - FERRARI S.P.A. Class 21. TOY CAR

A2025/01161 - YETI COOLERS, LLC Class 9. LID

A2025/01157 - Automobili Lamborghini S.p.A. Class 12. VEHICLES

A2025/01162 - FERRARI S.P.A. Class 12. CAR

. - APPLIED ON 2025/09/25 -

A2025/01164 - Busisiwe Msimango Class 02. SUBA WEAK FOSTA

. - APPLIED ON 2025/09/26 -

A2025/01165 - EMERALD VINE B.V. Class 27. ELECTRONIC CIGARETTES

. - APPLIED ON 2025/09/29 -

A2025/01167 - STEALTH INNOVATIONS (PTY) LTD. Class 22. A MUZZLE BRAKE ADAPTOR FOR A FIREARM

A2025/01176 - DURBAN UNIVERSITY OF TECHNOLOGY Class 14. SCREEN DISPLAYS

A2025/01175 - CREDSCAN (PROPRIETARY) LIMITED Class 9. BOTTLES

F2025/01174 - Sandvik Mining and Construction Oy Class 15. CABINS FOR MINING MACHINES

A2025/01173 - Sandvik Mining and Construction Oy Class 15. CABINS FOR MINING MACHINES

A2025/01170 - STEALTH INNOVATIONS (PTY) LTD. Class 22. A BAFFLE FOR A SILENCER FOR A FIREARM

A2025/01169 - STEALTH INNOVATIONS (PTY) LTD. Class 22. A FRONT SECTION OF A SILENCER FOR A FIREARM

A2025/01172 - Hemro International AG Class 10. SCALES

A2025/01168 - STEALTH INNOVATIONS (PTY) LTD. Class 22. A REAR SECTION OF A SILENCER FOR A FIREARM

A2025/01166 - Karl Otto Ermel Class 14. MICROPHONE OR SENSOR ACOUSTIC PROTECTION COVER

A2025/01177 - Barrelhaus (Pty) Ltd Class 06. BARRELHAUS BARREL TABLE-AND-SEATS UNIT

A2025/01171 - STEALTH INNOVATIONS (PTY) LTD. Class 22. A FRONT CAP FOR A SILENCER FOR A FIREARM

. - APPLIED ON 2025/09/30 -

A2025/01178 - CORRUSEAL GROUP (PTY) LTD Class 09. CARTON CONNECTOR

F2025/01179 - CORRUSEAL GROUP (PTY) LTD Class 09. CARTON CONNECTOR

. - APPLIED ON 2025/10/01 -

A2025/01180 - Alfredo Abel MERINO, Roberto Carlos MARTÍNEZ Class 09. CROWN BOTTLE CAP

F2025/01181 - Alfredo Abel MERINO, Roberto Carlos MARTÍNEZ Class 09. CROWN BOTTLE CAP

A2025/01184 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILES

F2025/01183 - Alfredo Abel MERINO, Roberto Carlos MARTÍNEZ Class 09. CROWN BOTTLE CAP

A2025/01182 - Alfredo Abel MERINO, Roberto Carlos MARTÍNEZ Class 09. CROWN BOTTLE CAP

. - APPLIED ON 2025/10/02 -

A2025/01186 - Chery Commercial Vehicle (Anhui) Co., Ltd. Class 12. AUTOMOBILES

A2025/01185 - Chery Commercial Vehicle (Anhui) Co., Ltd. Class 12. AUTOMOBILES

. - APPLIED ON 2025/10/03 -

A2025/01195 - BAYER AKTIENGESELLSCHAFT Class 32. GRAPHIC SYMBOL

A2025/01200 - HOLLARD HOLDINGS (PROPRIETARY) LIMITED Class 32. TYPEFACE

A2025/01187 - SCHRÉDER S.A. Class 26. SOLAR LUMINAIRE

F2025/01188 - Aquatrox (Pty) Ltd Class 12. FLUID TRANSPORTER

A2025/01196 - BAYER AKTIENGESELLSCHAFT Class 32. GRAPHIC SYMBOL

A2025/01197 - BAYER AKTIENGESELLSCHAFT Class 32. GRAPHIC SYMBOL

A2025/01189 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

A2025/01192 - BAYER AKTIENGESELLSCHAFT Class 32. GRAPHIC SYMBOL

A2025/01198 - BAYER AKTIENGESELLSCHAFT Class 32. GRAPHIC SYMBOL

A2025/01193 - BAYER AKTIENGESELLSCHAFT Class 32. GRAPHIC SYMBOL

A2025/01190 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

A2025/01199 - HOLLARD HOLDINGS (PROPRIETARY) LIMITED Class 18. TYPEFACE

A2025/01194 - BAYER AKTIENGESELLSCHAFT Class 32. GRAPHIC SYMBOL

A2025/01191 - APPLE INC. Class 3. CASE FOR AN ELECTRONIC DEVICE

. - APPLIED ON 2025/10/06 -

F2025/01202 - DU TOIT, Werner Class 25. MODULAR MOULDED STRUCTURE

A2025/01204 - BONNIE BRAAI (PTY) LTD Class 07. COOKING APPARATUS

A2025/01205 - FORD GLOBAL TECHNOLOGIES, LLC Class 12. FRONT UPPER GRILLE OF A VEHICLE

A2025/01208 - Ruth Blatt Class 09. STACKABLE BOTTLE CAP SYSTEM WITH DOMINO, GAME, AND EDUCATIONAL FEATURES

A2025/01201 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2025/01203 - EMERALD VINE B.V. Class 27. ELECTRONIC CIGARETTES

A2025/01206 - FORD GLOBAL TECHNOLOGIES, LLC Class 12. PORTION OF A FRONT UPPER GRILLE OF A VEHICLE

F2025/01207 - BONNIE BRAAI (PTY) LTD Class 07. COOKING APPARATUS

. - APPLIED ON 2025/10/07 -

F2025/01212 - UNIVERSITY OF JOHANNESBURG Class 19. A DRAWING BOARD

A2025/01210 - CHANU, Louis Jurie Class 23. FIREPLACES

A2025/01211 - UNIVERSITY OF JOHANNESBURG Class 19. A DRAWING BOARD

A2025/01209 - CHANU, Louis Jurie Class 23. FIREPLACES

. - APPLIED ON 2025/10/08 -

F2025/01214 - BOTHA, Gary Class 19. A STATIONERY CASING

F2025/01215 - BOTHA, Gary Class 19. A PRESSURISED WRITING INSTRUMENT

F2025/01217 - BOTHA, Gary Class 19. A PITCH MARK REPAIRER

A2025/01213 - RAINX PTE LTD Class 14. PORTABLE ROUTER

F2025/01216 - BOTHA, Gary Class 19. A PITCH MARK REPAIRER

. - APPLIED ON 2025/10/09 -

F2025/01218 - SOLULAR (PTY) LTD Class 14. CELL PHONE CASE

. - APPLIED ON 2025/10/10 -

F2025/01219 - NO MORE LEAK (PTY) LTD Class 23. JOINTS FOR PIPES

. - APPLIED ON 2025/10/14 -

A2025/01220 - Mr Dwayne Lombaard Class 02. BUT CRACK FLAP

A2025/01260 - Matau Andronica Ramapuputla Class 32. TEKETE SAFE SPACE

. - APPLIED ON 2025/10/15 -

A2025/01221 - GERASIS, Christos Class 13. ELECTRICAL COUPLERS

A2025/01223 - GERASIS, Christos Class 13. ELECTRICAL COUPLERS

A2025/01222 - GERASIS, Christos Class 13. ELECTRICAL COUPLERS

. - APPLIED ON 2025/10/16 -

A2025/01226 - FERRARI S.P.A. Class 21. TOY CAR

A2025/01225 - FERRARI S.P.A. Class 12. CAR

F2025/01224 - NICOLAS COSTAS NICOLAOU, Pixie Hold (Pty) Ltd Class 07. HOUSEHOLD ACCESSORY

. - APPLIED ON 2025/10/17 -

A2025/01235 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2025/01239 - FÉDÉRATION INTERNATIONALE DE FOOTBALL ASSOCIATION (FIFA) Class 32. LOGO

A2025/01237 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2025/01241 - FÉDÉRATION INTERNATIONALE DE FOOTBALL ASSOCIATION (FIFA) Class 32. LOGO

A2025/01228 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILES

A2025/01229 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILES

A2025/01234 - McCain Foods Limited Class 1. FOOD PRODUCTS

A2025/01238 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2025/01232 - McCain Foods Limited Class 1. FOOD PRODUCTS

A2025/01240 - FÉDÉRATION INTERNATIONALE DE FOOTBALL ASSOCIATION (FIFA) Class 32. LOGO

F2025/01230 - CONVEQUIP TECHNOLOGIES (PTY) LTD Class 12. ANTI-RUNBACK DEVICE FOR A CONVEYOR IDLER ASSEMBLY

A2025/01233 - McCain Foods Limited Class 1. FOOD PRODUCTS

A2025/01227 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILES

F2025/01231 - CONVEQUIP TECHNOLOGIES (PTY) LTD Class 12. SAFETY IDLER ASSEMBLY

A2025/01236 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

. - APPLIED ON 2025/10/20 -

A2025/01250 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

A2025/01247 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

A2025/01251 - PETER AMMANN Class 7. BABY BOTTLE WITH DIGITAL DISPLAY

A2025/01244 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

F2025/01249 - Jorge Gouveia FERREIRA, Paulo Miguel Pereira LOPES Class 7. A SERVING PADDLE

F2025/01243 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

F2025/01245 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

A2025/01246 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

F2025/01248 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

F2025/01242 - Paulo Miguel Pereira LOPES, Ricardo Jose Pereira LOPES Class 7. A SERVING PADDLE

. - APPLIED ON 2025/10/21 -

A2025/01253 - HEDO DESIGNS (PTY) LTD Class 09. A CASKET CONTAINER

F2025/01258 - HEDO DESIGN (PTY) LTD Class 09. A CASKET CONTAINER

F2025/01257 - HEDO DESIGNS (PTY) LTD Class 09. A CASKET CONTAINER

A2025/01254 - ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP Class 9. BOTTLE

A2025/01256 - JJ Govender Class 15. AN ECO-FRIENDLY SUSTAINABLE CELLPHONE DESIGN

A2025/01255 - ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP Class 9. BOTTLE

A2025/01252 - BIWIN STORAGE TECHNOLOGY CO., LTD Class 13. POWER SOCKET

F2025/01259 - Princes ntloko Class 05. LAMINATED AEROTHENE(AIROTHENE) PROTECTIVE BAGS

. - APPLIED ON 2025/10/22 -

F2025/01270 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BODIES

A2025/01278 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIVES

F2025/01274 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

F2025/01263 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

F2025/01266 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIVES

F2025/01276 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIVES

A2025/01279 - SUNDA ENTERPRISE LIMITED Class 09. BOTTLE

A2025/01261 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

F2025/01264 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

A2025/01269 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIVES

A2025/01267 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIVES

F2025/01268 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIVES

A2025/01273 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

F2025/01275 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

A2025/01271 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BODIES

A2025/01277 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIVES

A2025/01265 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BODIES

A2025/01272 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

A2025/01262 - VECTO TRADE 461 PROPRIETARY LIMITED Class 8. KNIFE BLADES

. - APPLIED ON 2025/10/23 -

A2025/01285 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/01290 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/01287 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/01283 - CARLAUR INVESTMENT HOLDINGS (PTY) LTD Class 06. A MATTRESS ASSEMBLY

A2025/01288 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/01286 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/01280 - HANSGROHE SE Class 23. FAUCET

A2025/01281 - KVERNELAND GROUP NIEUW-VENNEP B.V. Class 15. FERTILIZER SPREADER

F2025/01282 - HEDO DESIGNS (PTY) LTD Class 09. A CASKET CONTAINER

A2025/01284 - N.V. Nutricia Class 09. CLOSURES FOR CONTAINERS

A2025/01289 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

Notice is hereby given that **HAMMOND, JOHN 17 MEIKLE STREET CITY AND SUBURBAN JOHANNESBURG 2001** has made application for the restoration of the design registered to the said **HAMMOND, JOHN** for the Design **FURNITURE FITTING** application number: **F2017/01398** date **31/08/2017** which become void on **31/08/2023** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017, South Africa** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **CEILING TRANSITION CHANNEL AND LIGHT DIFFUSER** application number: **A2019/00288** date **26/02/2019** which become void on **26/02/2025** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017, South Africa** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **CEILING TRANSITION CHANNEL AND LIGHT DIFFUSER** application number: **F2019/00289** date **26/02/2019** which become void on **26/02/2025** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017, South Africa** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **LIGHT TROUGH AND DIFFUSER** application number: **A2019/00290** date **26/02/2019** which become void on **26/02/2025** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017, South Africa** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **LIGHT TROUGH AND DIFFUSER** application number: **F2019/00291** date **26/02/2019** which become void on **26/02/2025** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **LIGHT TROUGH** application number: **A2018/00900** date **13/06/2018** which becomes void on **13/06/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **GLAZING SECTION** application number: **A2018/00901** date **13/06/2018** which becomes void on **13/06/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **LIGHT TROUGH** application number: **F2018/00899** date **13/06/2018** which becomes void on **13/06/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **CEILING**, **FLOOR OR WALL CHANNEL** application number: **F2018/00902** date **13/06/2018** which becomes void on **13/06/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **CEILING**, **FLOOR OR WALL TERMINATION CHANNEL** application number: **F2018/00903** date **13/06/2018** which becomes void on **13/06/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **FLOOR CHANNEL** application number: **F2018/00905** date **13/06/2018** which becomes void on **13/06/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for

the Design **U SHAPED CHANNEL** application number: **F2017/01479** date **13/09/2017** which becomes void on **13/09/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **RADIUSED LIGHT TROUGH** application number: **F2017/01481** date **13/09/2017** which becomes void on **13/09/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **RADIUSED LIGHT TROUGH** application number: **A2017/01480** date **13/09/2017** which becomes void on **13/09/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **CAPCO (PTY) LTD 2 Corobrick Place, Riverhorse Valley Business Estate, Durban, 4017** has made application for the restoration of the design registered to the said **CAPCO (PTY) LTD** for the Design **FRAME FOR A CEILING TILE** application number: **F2019/01480** date **04/10/2019** which becomes void on **04/10/2024** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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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

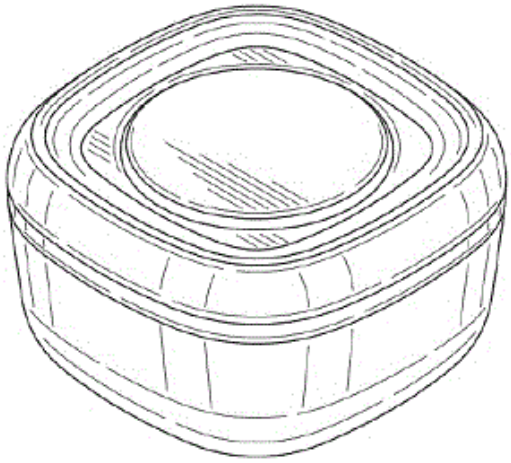
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

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: A2023/00904 22: 2023-08-16 23:
43: 2025-08-11
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/888,320 32: 2023-03-30
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or ornamentation.



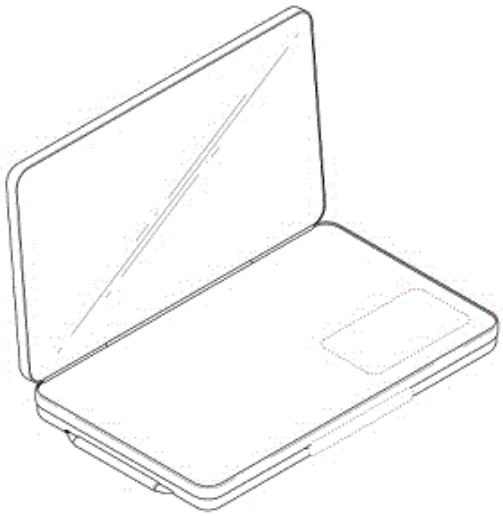
TOP PERSPECTIVE VIEW

21: A2023/01302 22: 2023-12-04 23:
43: 2023-06-05
52: Class 12 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 015023618-0006 32: 2023-06-05
54: SPOILERS
57: The design is for a spoiler of an automobile. The spoiler has a curved, substantially C-shaped portion and inwardly bent curved end portions. A rectangular shaped member protrudes from a central portion of the spoiler.

Figure 7

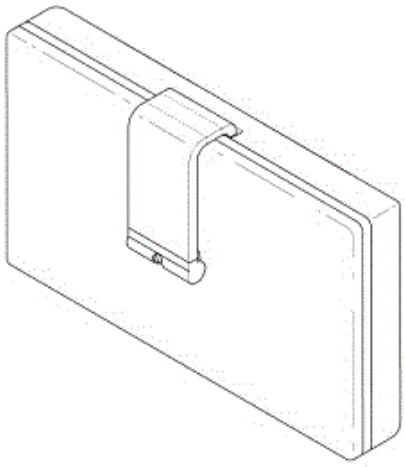
Three-dimensional view

21: A2023/01408 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0023756 32: 2023-06-21
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



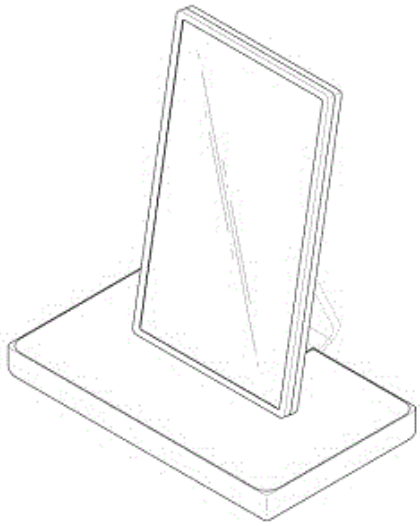
TOP PERSPECTIVE VIEW

21: A2023/01409 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0024080 32: 2023-06-22
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



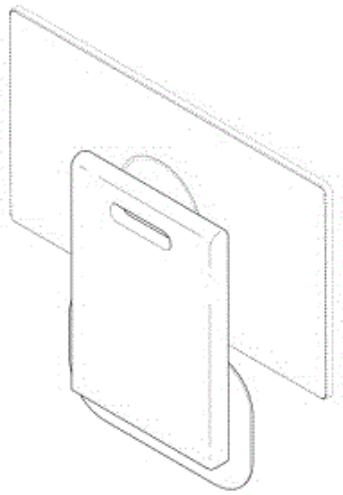
FRONT PERSPECTIVE VIEW FOLDED CONFIGURATION

21: A2023/01410 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0024083 32: 2023-06-22
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



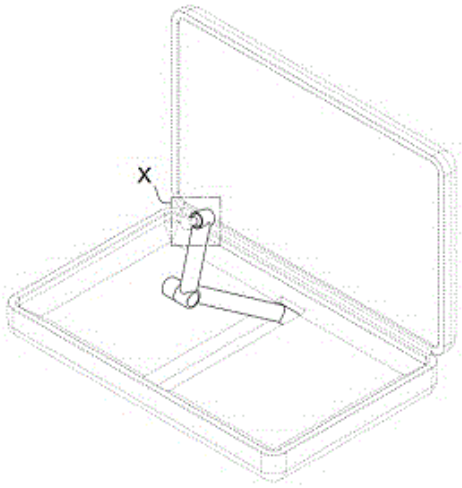
FRONT PERSPECTIVE VIEW VERTICAL CONFIGURATION

21: A2023/01412 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0024047 32: 2023-06-22
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



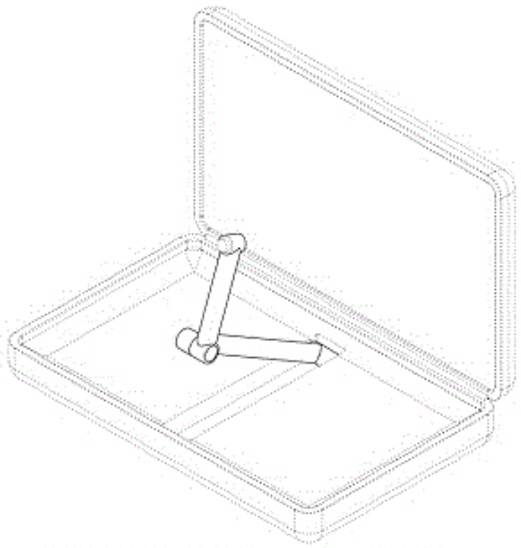
REAR PERSPECTIVE VIEW UNFOLDED CONFIGURATION

21: A2023/01413 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0025339 32: 2023-06-30
54: Supporting Arm for a Television Receiver
57: The design relates to a supporting arm for a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



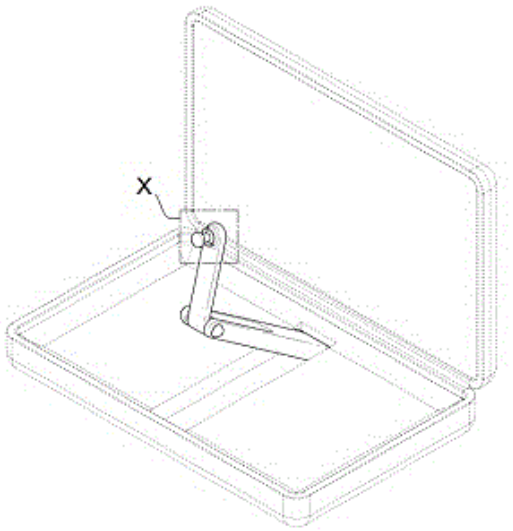
FRONT PERSPECTIVE VIEW FIRST EXTENDED CONFIGURATION

21: A2023/01414 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0025340 32: 2023-06-30
54: Supporting Arm for a Television Receiver
57: The design relates to a supporting arm for a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW FIRST EXTENDED CONFIGURATION

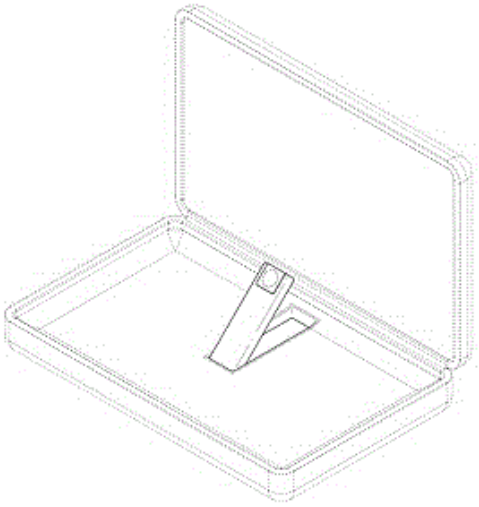
21: A2023/01415 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0025342 32: 2023-06-30
54: Supporting Arm for a Television Receiver
57: The design relates to a supporting arm for a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW FIRST EXTENDED CONFIGURATION

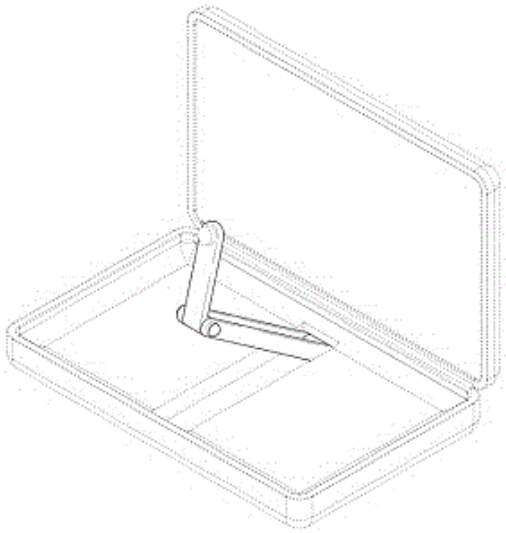
21: A2023/01416 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A

71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0025343 32: 2023-06-30
54: Supporting Arm for a Television Receiver
57: The design relates to a supporting arm for a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



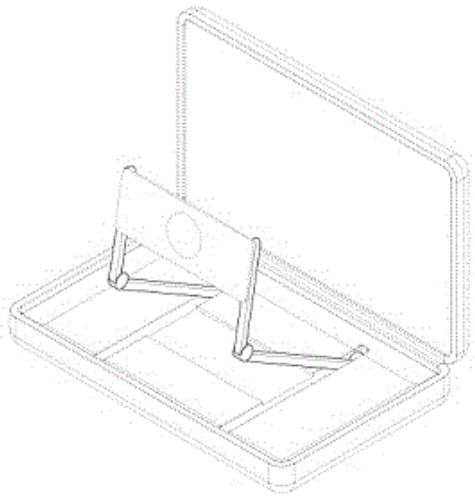
PERSPECTIVE VIEW INTERMEDIATE AND RETRACTED CONFIGURATION

21: A2023/01417 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0025344 32: 2023-06-30
54: Supporting Arm for a Television Receiver
57: The design relates to a supporting arm for a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW FIRST EXTENDED CONFIGURATION

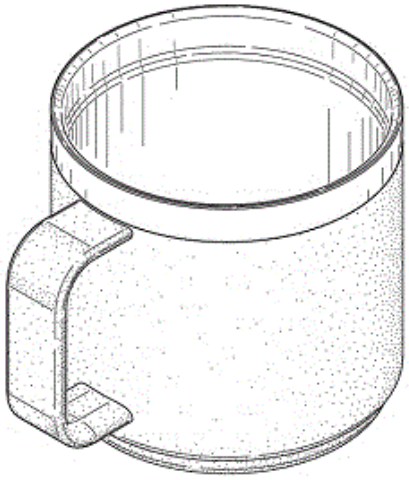
21: A2023/01418 22: 2023-12-12 23:
43: 2025-08-11
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2023-0025345 32: 2023-06-30
54: Supporting Arm for a Television Receiver
57: The design relates to a supporting arm for a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW FIRST EXTENDED CONFIGURATION

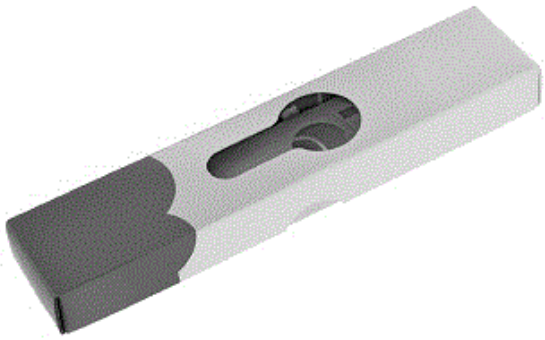
21: A2023/01437 22: 2023-12-14 23:
43: 2025-08-11
52: Class 7. 24: Part A

71: YETI COOLERS, LLC
33: US 31: 29/894,907 32: 2023-06-15
54: Mug
57: The design relates to a mug. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP FRONT LEFT PERSPECTIVE VIEW

21: A2024/00378 22: 2024-04-19 23:
43: 2025-08-11
52: Class 3. 24: Part A
71: ETA SA MANUFACTURE HORLOGÈRE SUISSE
33: IB 31: WIPO138729 32: 2023-10-25
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.



PERSPECTIVE VIEW – ASSEMBLED CONFIGURATION

21: A2024/00951 22: 2024-09-26 23:
43: 2024-03-27
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015055131-0005 32: 2024-03-27
54: TYRES AND TYRE TREADS
57: The design is for a tyre and tyre tread. The tyre comprises inner and outer shoulder circumferential tread bands with a middle tread band in between the shoulder tread bands. The shoulder tread bands are composed of parallelogram-shaped tread blocks separated by transversal slanted deep grooves with straight sipes of the same orientation. The middle band has circumferentially spaced blocks separated by a circumferential centre zig zag groove. The middle band blocks are arranged in a V shaped overall fashion comprising transversal sipes aligned in the same direction.

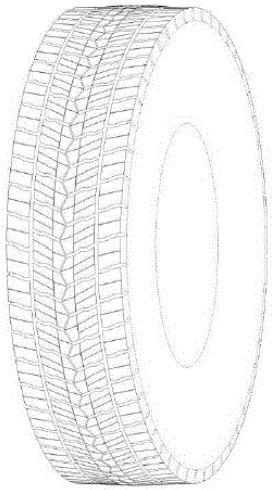


Figure 1

Three-dimensional view

21: A2024/00952 22: 2024-09-26 23:
43: 2024-03-27
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015055131-0006 32: 2024-03-27
54: TYRES AND TYRE TREADS
57: The design is for a tyre and tyre tread. The tyre comprises a middle tread band having circumferentially spaced blocks separated by a circumferential centre zig zag groove. The middle band blocks are arranged in a V shaped overall fashion comprising transversal sipes aligned in the same direction.

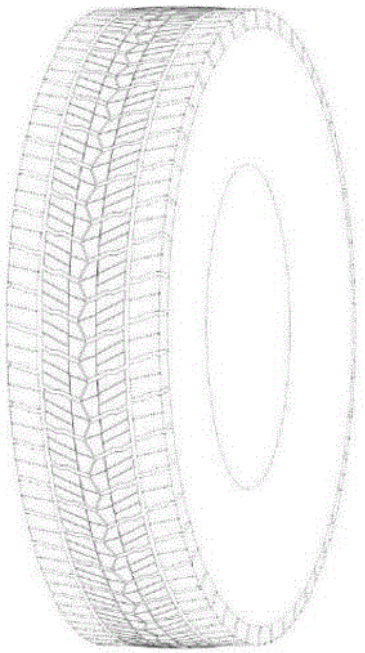
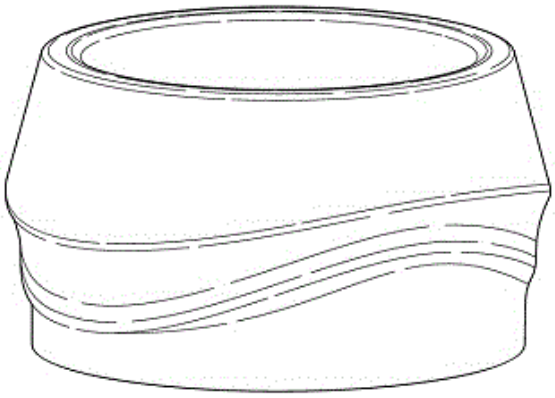


Figure 1

Three-dimensional view

21: A2025/00009 22: 2025-01-02 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: TORRENT INNOVA, S.L.
33: EM 31: 015065066 32: 2024-06-28
54: Capsule for a Bottle
57: The design relates to a capsule for a bottle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FIRST PERSPECTIVE VIEW

21: A2025/00010 22: 2025-01-02 23:
43: 2025-08-12
52: Class 28 24: Part A
71: Personnel Hygiene Services Limited
33: EM 31: 015086143-0001 32: 2024-12-20
54: AIR FRESHENERS
57: The design is for an air freshener. The air freshener comprises a rear part and a front part. The rear part is generally U-shaped and has sidewalls which gradually reduce in size from the top to the bottom of the rear part. The front part is generally U-shaped, has a curved surface and convex sidewalls. A circular, recessed opening is provided at the top of the front part. A V-shaped recess is provided at the bottom center of the front part.

Figure 1
Three-dimensional view

21: A2025/00012 22: 2025-01-07 23:
43: 2024-07-08
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/951,159 32: 2024-07-08

54: TIPS FOR GROUND ENGAGING MACHINE IMPLEMENTS

57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a tip for ground engaging machine implements. The tip is a wear member and can be attached to a bucket or other machine implement for an excavator or similar machinery.

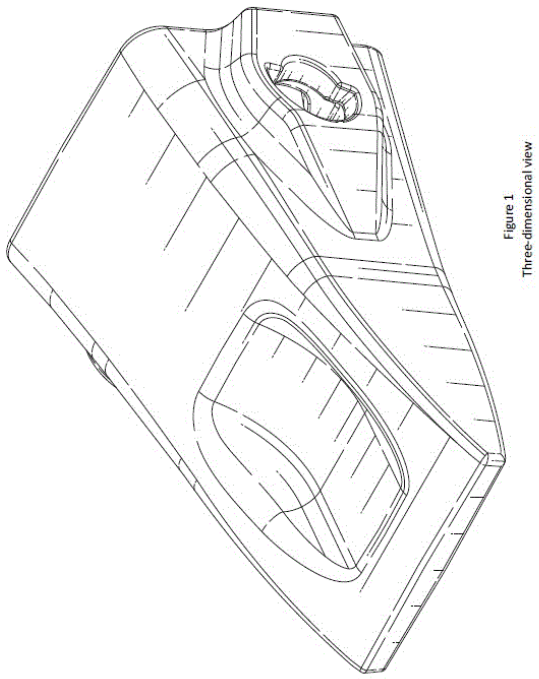
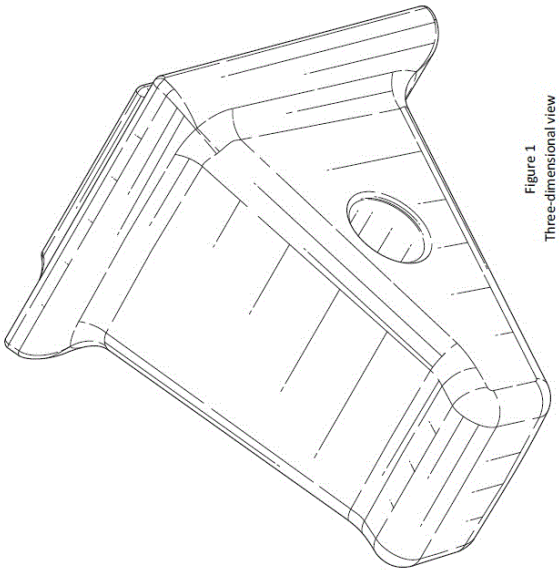


Figure 1
Three-dimensional view

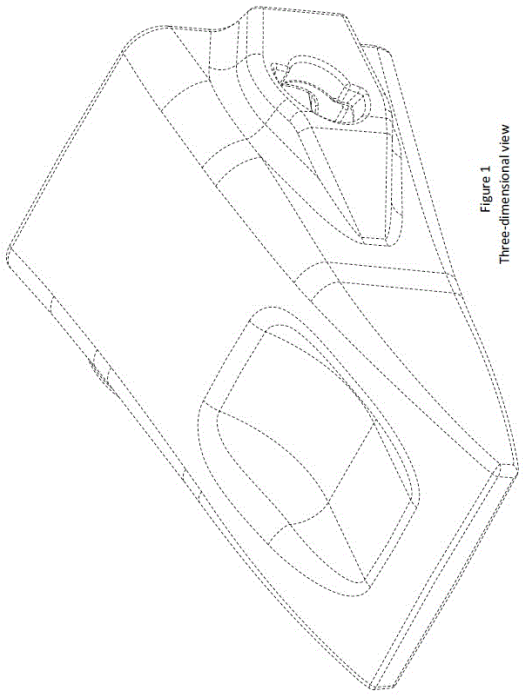
21: A2025/00013 22: 2025-01-07 23:
43: 2024-07-08
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/951,161 32: 2024-07-08

54: ADAPTERS FOR GROUND ENGAGING MACHINE IMPLEMENTS

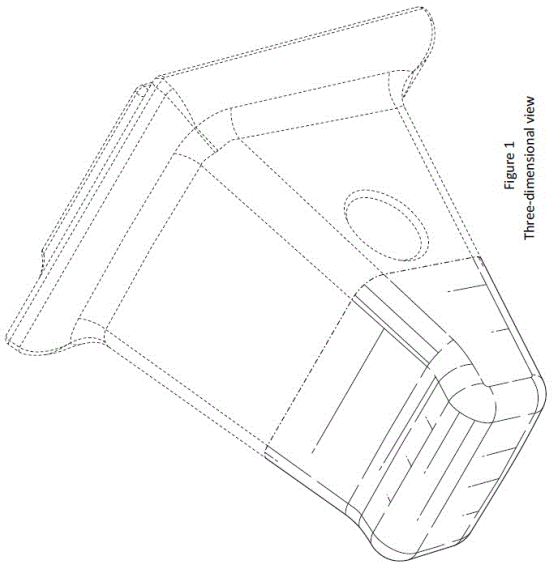
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to an adapter for ground engaging machine implements. The adapter is a wear member and can be attached to a bucket or other machine implement for an excavator or similar machinery.



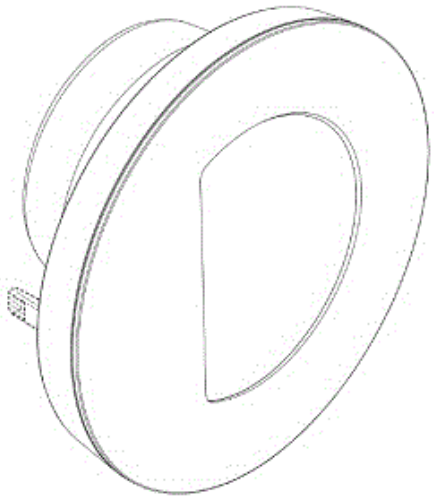
21: A2025/00014 22: 2025-01-07 23:
43: 2024-07-08
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/951,159 32: 2024-07-08
54: TIPS FOR GROUND ENGAGING MACHINE IMPLEMENTS
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a tip for ground engaging machine implements. The tip is a wear member and can be attached to a bucket or other machine implement for an excavator or similar machinery.



21: A2025/00015 22: 2025-01-07 23:
43: 2024-07-08
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/951,161 32: 2024-07-08
54: ADAPTERS FOR GROUND ENGAGING MACHINE IMPLEMENTS
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to an adapter for ground engaging machine implements. The adapter is a wear member and can be attached to a bucket or other machine implement for an excavator or similar machinery.

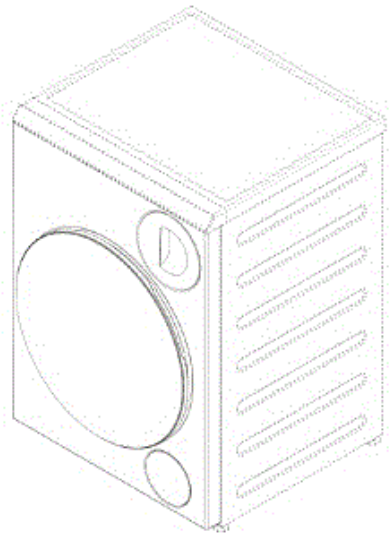


21: A2025/00030 22: 2025-01-10 23:
43: 2025-08-11
52: Class 15. 24: Part A
71: XIAOMI TECHNOLOGY (WUHAN) CO., LTD., XIAOMI SMART APPLIANCES (WUHAN) CO., LTD., BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.
33: CN 31: 2024304379717 32: 2024-07-12
54: Door for a laundry apparatus
57: The design relates to a door for a laundry apparatus. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FIRST PERSPECTIVE VIEW

21: A2025/00031 22: 2025-01-10 23:
43: 2025-08-11
52: Class 15. 24: Part A
71: XIAOMI TECHNOLOGY (WUHAN) CO., LTD., XIAOMI SMART APPLIANCES (WUHAN) CO., LTD., BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.
33: CN 31: 2024304379736 32: 2024-07-12
54: Front Part of a Laundry Apparatus
57: The design relates to a front part of a laundry apparatus. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2025/00032 22: 2025-01-10 23:
43: 2025-08-11
52: Class 10. 24: Part A
71: OMEGA SA (OMEGA AG) (OMEGA LTD.)
33: IB 31: 150894 32: 2024-07-18
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: A2025/00043 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450984.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours. Three circular lens elements are provided in a row at a top of a front face of the phone.

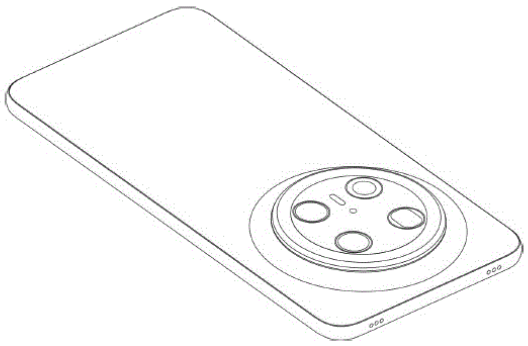


Figure 2

Another three-dimensional view

21: A2025/00044 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450529.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours.

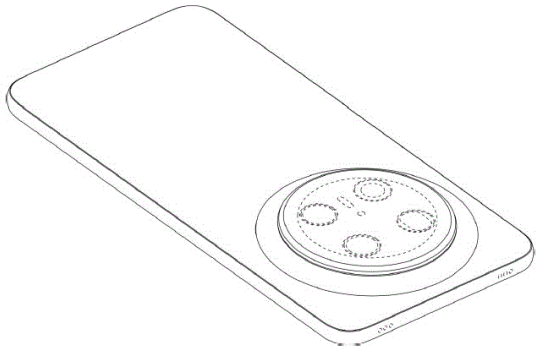


Figure 2

Another three-dimensional view

21: A2025/00045 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450984.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours. The camera bump comprises four squarely spaced lens elements and a small obround sensor element in a lower half. Three circular lens elements are provided in a row at a top of a front face of the phone.

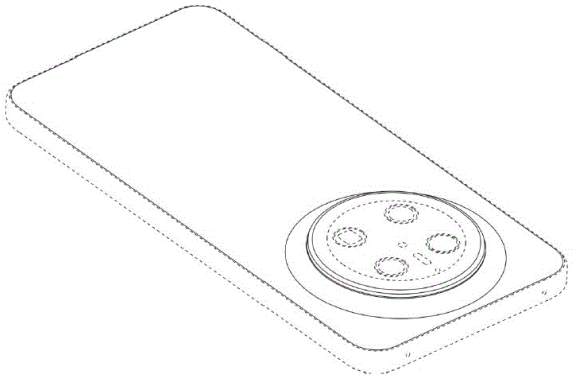


Figure 2

Another three-dimensional view

21: A2025/00046 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450984.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours.

Figure 2

Another three-dimensional view

21: A2025/00047 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450529.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours.

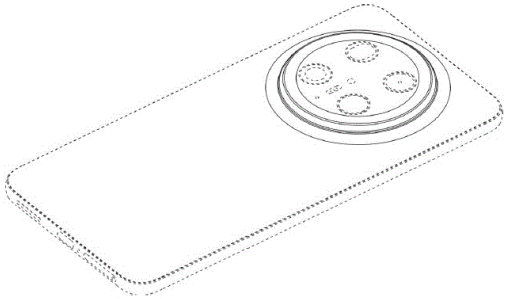


Figure 2

Another three-dimensional view

21: A2025/00048 22: 2025-01-17 23:
43: 2025-08-12
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450529.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours.

Figure 2

Another three-dimensional view

21: A2025/00049 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450529.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours.

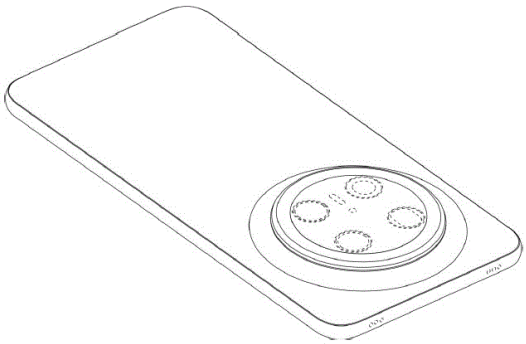


Figure 2

Another three-dimensional view

21: A2025/00052 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450344.7 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours. The camera bump comprises four squarely spaced lens elements and a small obround sensor element in an upper half.

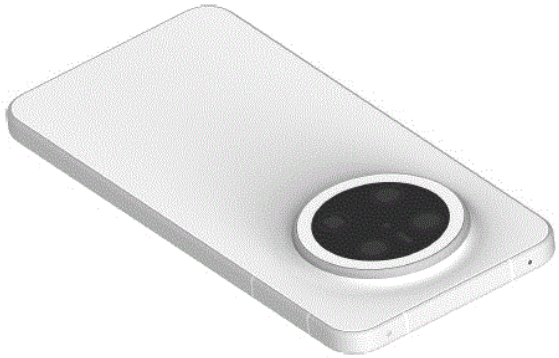


Figure 2

Another three-dimensional view

21: A2025/00054 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450097.0 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump has concentric circular grooves and contours and comprises four squarely spaced lens elements.

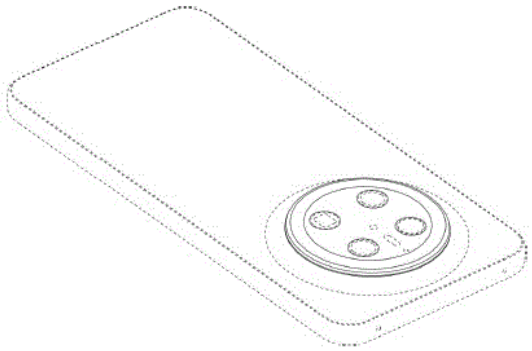


Figure 2

Another three-dimensional view

21: A2025/00076 22: 2025-01-17 23:
43: 2024-07-18
52: Class 14 24: Part A
71: Huawei Technologies Co., Ltd.
33: CN 31: 202430450984.8 32: 2024-07-18
54: MOBILE PHONES
57: The design is for a mobile phone. The phone is rectangular with rounded corners. A prominent camera bump is provided on an upper part of a rear surface. The camera bump is circular, spanning most of a width of the rear surface. The camera bump projects concavely outwardly from the rear surface and has concentric circular grooves and contours. The camera bump comprises four squarely spaced lens elements and a small obround sensor element in a lower half. A side of the camera bump has an annular textured surface comprising a multitude of small pyramidal projections. Three circular lens elements are provided in a row at a top of a front face of the phone.

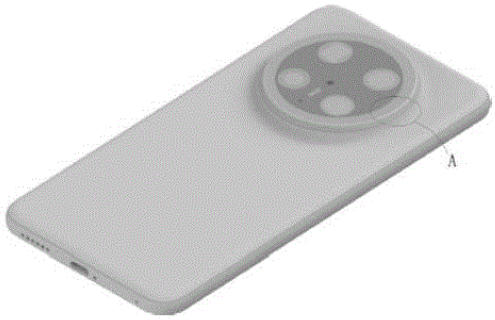


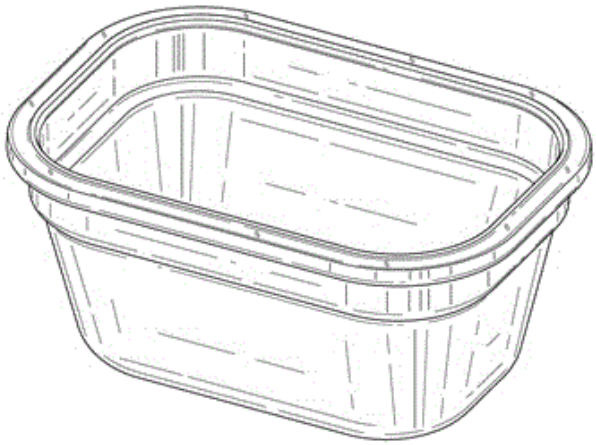
Figure 2

Another three-dimensional view

21: A2025/00077 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,745 32: 2024-07-17
54: Container and Lid
57: The design relates to a container and lid. The features of the design are those of shape and/or configuration and/or ornamentation.

TOP PERSPECTIVE VIEW

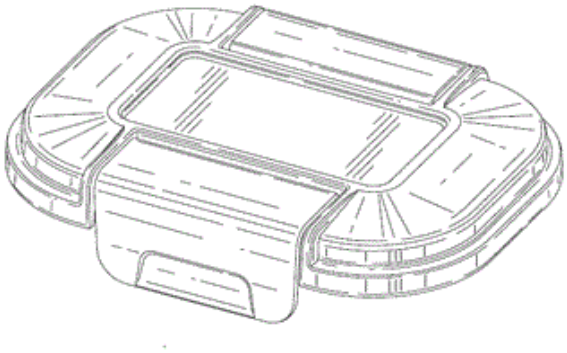
21: A2025/00078 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,745 32: 2024-07-17
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW

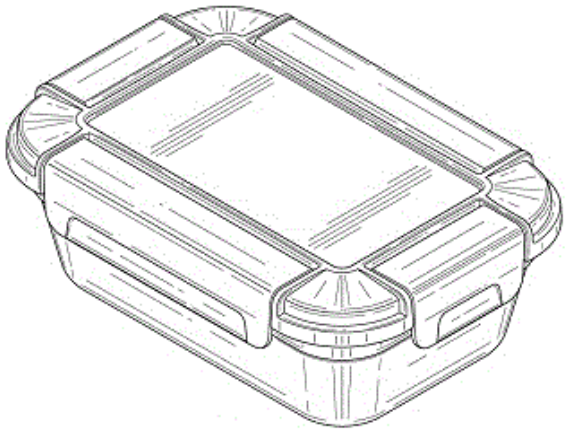
21: A2025/00079 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,745 32: 2024-07-17
54: Lid

57: The design relates to a lid. The features of the design are those of shape and/or configuration and/or ornamentation.



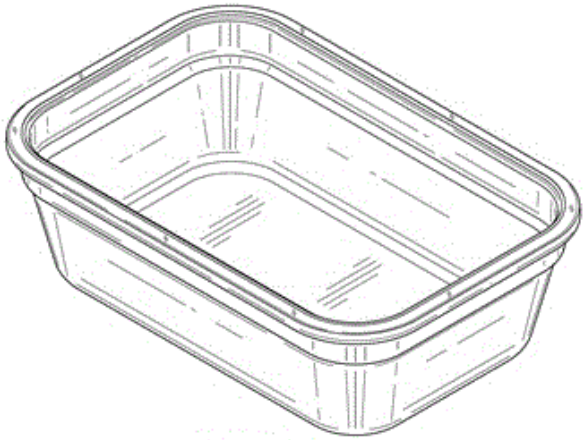
TOP PERSPECTIVE VIEW

21: A2025/00080 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,757 32: 2024-07-17
54: Container and Lid
57: The design relates to a container and lid. The features of the design are those of shape and/or configuration and/or ornamentation.



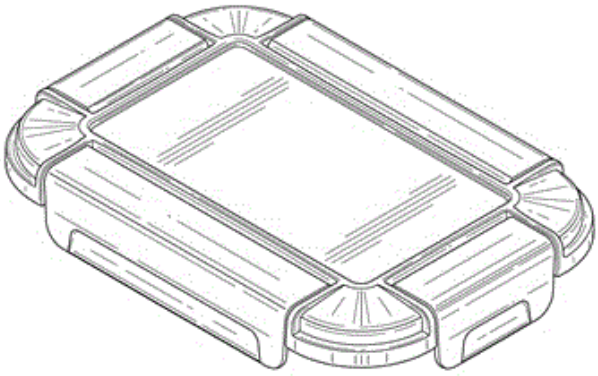
TOP PERSPECTIVE VIEW

21: A2025/00081 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,757 32: 2024-07-17
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or ornamentation.



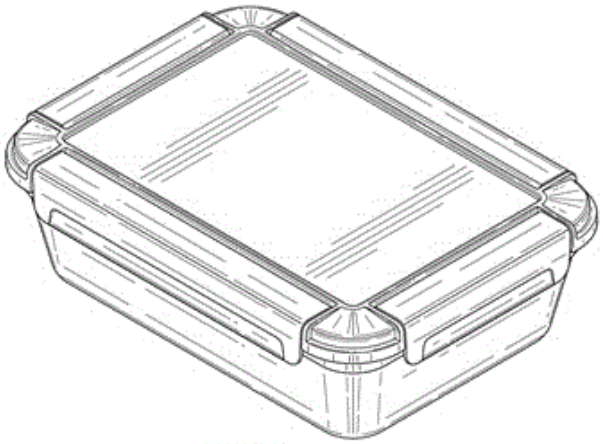
TOP PERSPECTIVE VIEW

21: A2025/00082 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,757 32: 2024-07-17
54: Lid
57: The design relates to a lid. The features of the design are those of shape and/or configuration and/or ornamentation.



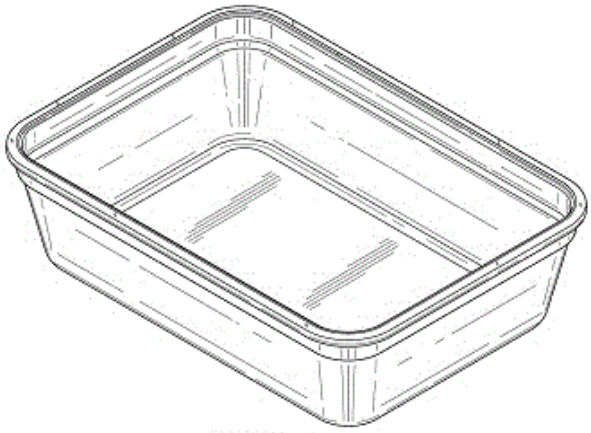
TOP PERSPECTIVE VIEW

21: A2025/00083 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,766 32: 2024-07-17
54: Container and Lid
57: The design relates to a container and lid. The features of the design are those of shape and/or configuration and/or ornamentation.



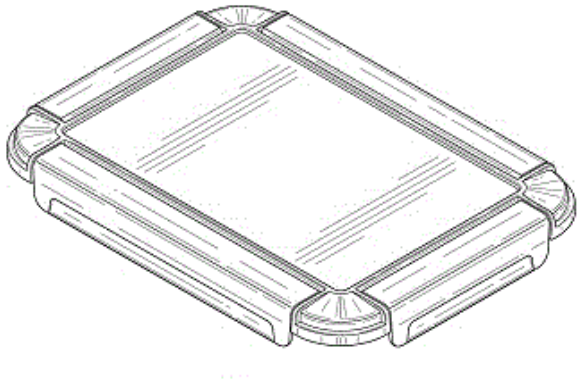
TOP PERSPECTIVE VIEW

21: A2025/00084 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,766 32: 2024-07-17
54: Container
57: The design relates to a container. The features of the design are those of shape and/or configuration and/or ornamentation.



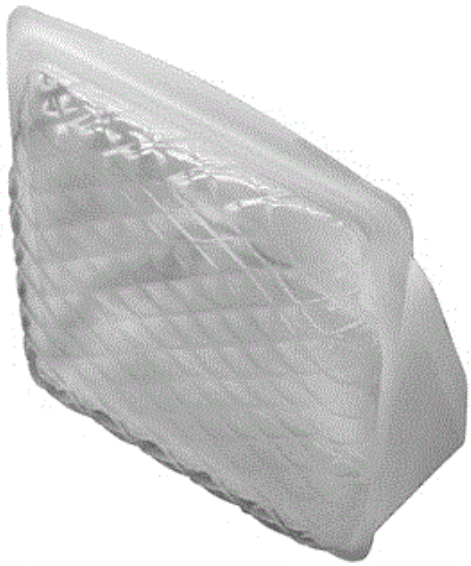
TOP PERSPECTIVE VIEW

21: A2025/00085 22: 2025-01-17 23:
43: 2025-08-11
52: Class 9. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/952,766 32: 2024-07-17
54: Lid
57: The design relates to a lid. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2025/00088 22: 2025-01-20 23:
43: 2025-08-11
52: Class 3. 24: Part A
71: STASHER, INC.
33: US 31: 29/954,255 32: 2024-07-25
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, TOP AND RIGHT SIDE PERSPECTIVE VIEW

21: A2025/00090 22: 2025-01-21 23:
43: 2024-07-22
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/953,354 32: 2024-07-22
54: BACK-UP RINGS

57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a buffer seal for a back-up ring of a hydraulic cylinder, which may be used for construction equipment.

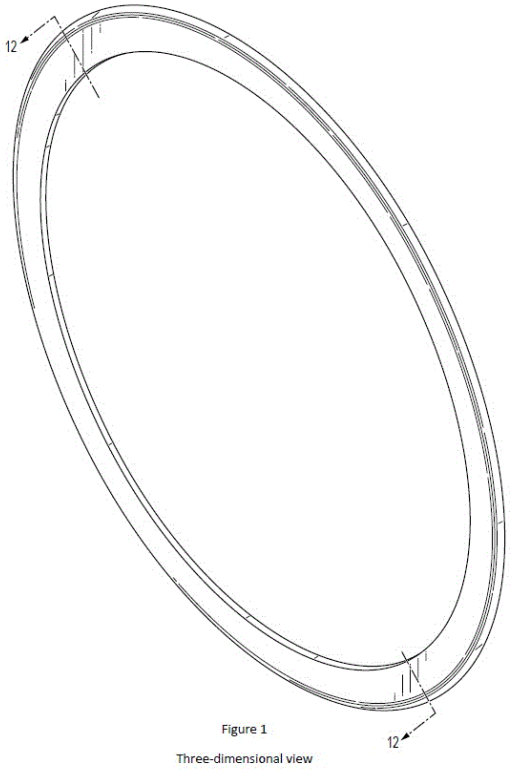


Figure 1
Three-dimensional view

21: A2025/00094 22: 2025-01-22 23:
43: 2024-07-23
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/953,627 32: 2024-07-23
54: CUSHION SLEEVES
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a cushion seal which may be utilized in a hydraulic cylinder of construction machinery.

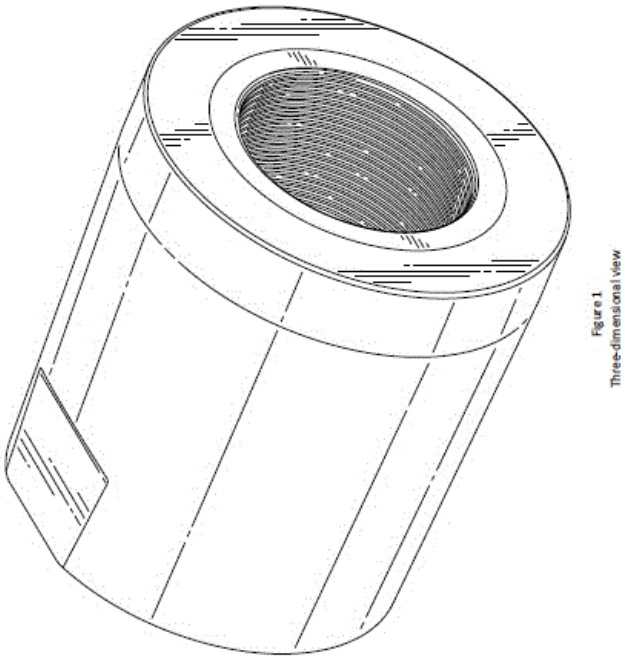
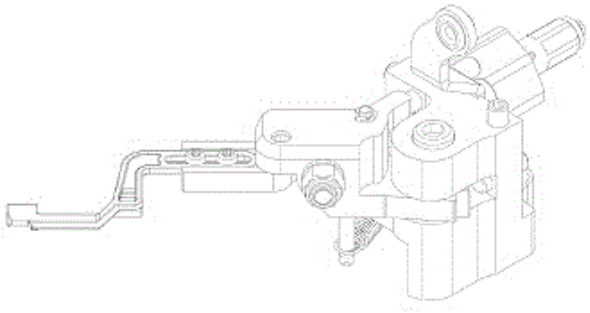


Figure 1
Three-dimensional view

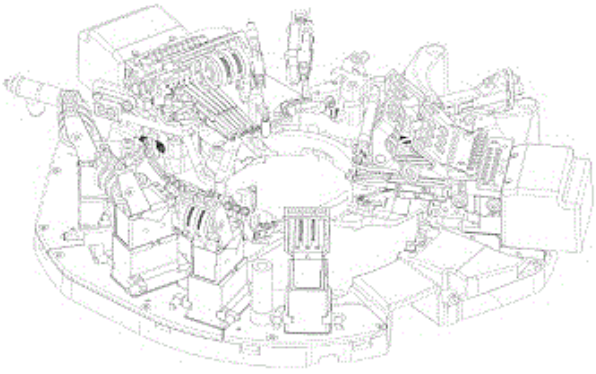
21: A2025/00098 22: 2025-01-23 23:
43: 2025-08-11
52: Class 15. 24: Part A
71: LONATI S.P.A.
33: EM 31: 015067750-0001 32: 2024-07-26
54: Part of a Textile Machine
57: The design relates to part of a textile machine. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

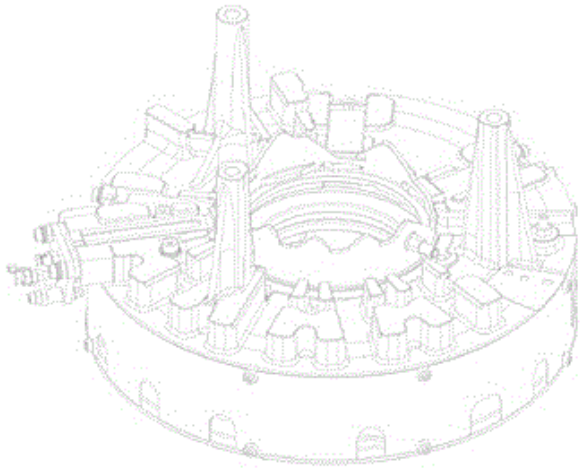
21: A2025/00099 22: 2025-01-23 23:
43: 2025-08-11
52: Class 15. 24: Part A
71: LONATI S.P.A.
33: EM 31: 015067750-0002 32: 2024-07-26
54: Part of a Textile Machine

57: The design relates to part of a textile machine. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



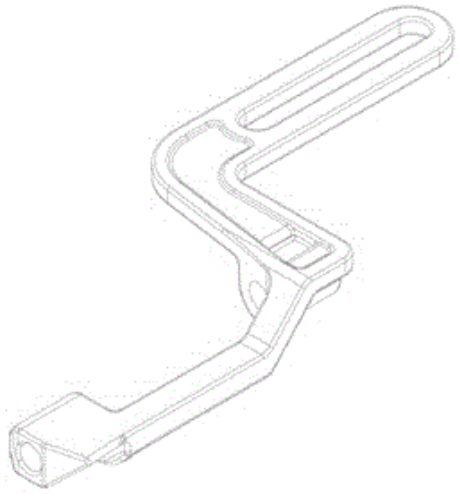
FIRST PERSPECTIVE VIEW

21: A2025/00100 22: 2025-01-23 23:
43: 2025-08-11
52: Class 15. 24: Part A
71: LONATI S.P.A.
33: EM 31: 015067750-0003 32: 2024-07-26
54: Part of a Textile Machine
57: The design relates to part of a textile machine. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FIRST PERSPECTIVE VIEW

21: A2025/00101 22: 2025-01-23 23:
43: 2025-08-11
52: Class 15. 24: Part A
71: LONATI S.P.A.
33: EM 31: 015067750-0004 32: 2024-07-26
54: Part of a Textile Machine
57: The design relates to part of a textile machine. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2025/00102 22: 2025-01-23 23:
43: 2025-08-13
52: Class 24 24: Part A
71: VERSAH, LLC
33: US 31: 29/970,061 32: 2024-10-25
54: SURGICAL BUR KIT HOLDER ASSEMBLY
57: The design is applied to a surgical bur kit holder assembly shown in perspective view in the drawing showing the overall appearance thereof.

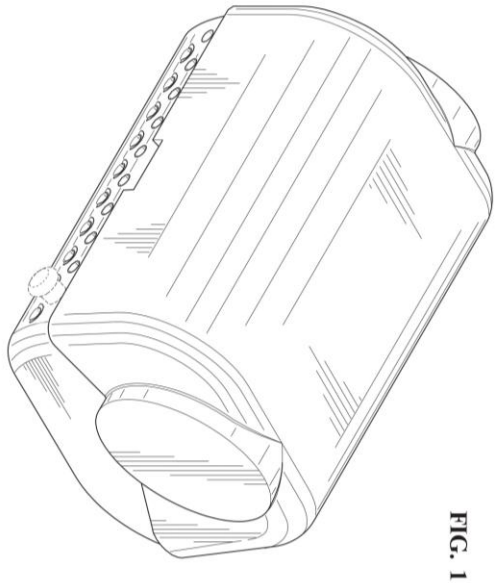


FIG. 1

21: A2025/00103 22: 2025-01-23 23:
43: 2025-08-13

52: Class 24 24: Part A
71: VERSAH, LLC
33: US 31: 29/970,105 32: 2024-10-25
54: LID FOR SURGICAL BUR KIT HOLDER
57: The design is applied to a lid for a surgical bur kit holder shown in perspective view in the drawing showing the overall appearance thereof.

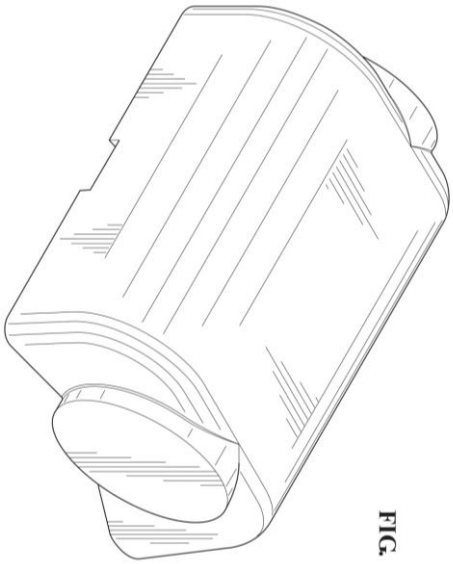


FIG. 1

21: A2025/00104 22: 2025-01-23 23:
43: 2025-08-11
52: Class 24 24: Part A
71: VERSAH, LLC
33: US 31: 29/970,109 32: 2024-10-25
54: BASE FOR SURGICAL BUR KIT HOLDER
57: The design is applied to a base for a surgical bur kit holder shown in perspective view in the drawing showing the overall appearance thereof.

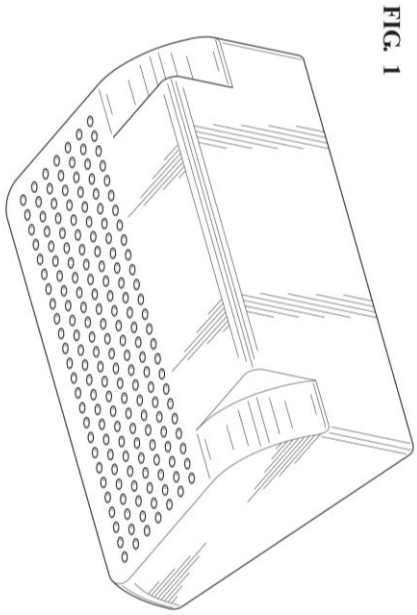
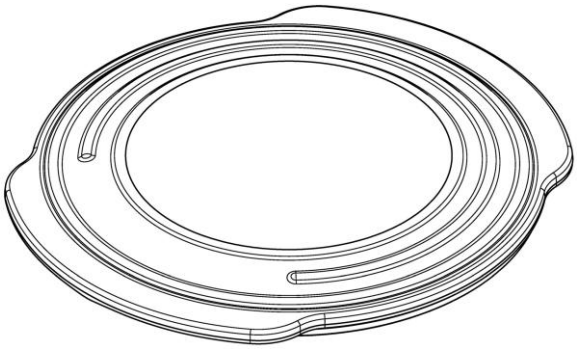


FIG. 1

21: A2025/00138 22: 2025-02-06 23:
43: 2025-09-09
52: Class 07 24: Part A
71: LE CREUSET GROUP AG
33: IB 31: DM/240794 32: 2024-08-27
54: LID FOR COOKING PANS
57: The design is applied to a lid for cooking pans. 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 lid, substantially as illustrated in the accompanying representation.

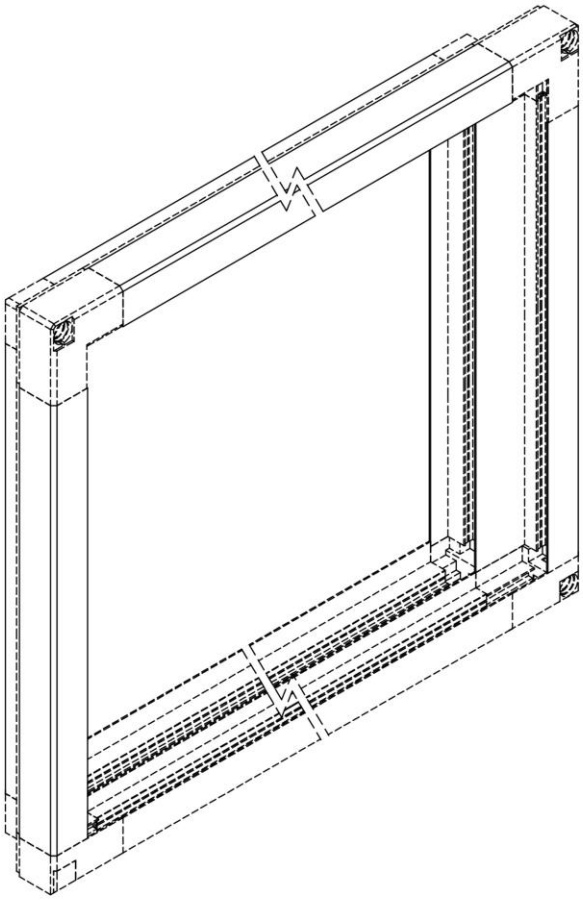


21: A2025/00144 22: 2025-02-11 23:
43: 2025-09-09
52: Class 09 24: Part A
71: I S PLASTICS (PTY) LTD
54: A BOTTLE
57: The design is applied to a bottle having a cap. The features of the design for which protection is claimed are those of the shape and ornamentation of

the bottle, substantially as illustrated in the accompanying representation. Features in the area(s) bounded by broken lines do not form part of the design and are disclaimed.

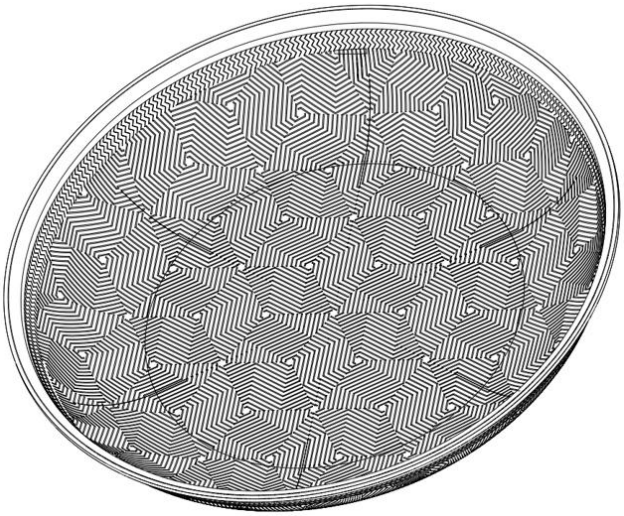
21: A2025/00145 22: 2025-02-11 23:
43: 2025-09-09
52: Class 09 24: Part A
71: I S PLASTICS (PTY) LTD
54: A BOTTLE
57: The design is applied to a bottle having a cap. The features of the design for which protection is claimed are those of the shape and ornamentation of the bottle, substantially as illustrated in the accompanying representation. Features in the area(s) bounded by broken lines do not form part of the design and are disclaimed.

21: A2025/00211 22: 2025-02-21 23:
43: 2025-09-09
52: Class 25 24: Part A
71: BLIND SCREEN LIMITED
33: GB 31: 6386072 32: 2024-08-21
54: FRAME FOR BLIND SYSTEM
57: The design is applied to a frame for a blind system. 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 frame, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. 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 also disclaimed.

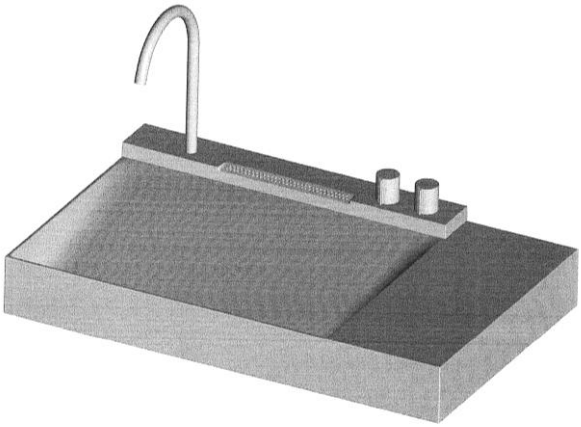


21: A2025/00223 22: 2025-02-26 23:
43: 2025-09-09
52: Class 25 24: Part A
71: PRAESIDIAD HOLDING BV
33: EP 31: 015092795 32: 2025-02-14
54: FENCE POST
57: The design is applied to a fence post. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the fence post, substantially as illustrated in the accompanying representation and irrespective of the overall length of the fence post.

21: A2025/00233 22: 2025-02-27 23:
43: 2025-09-09
52: Class 07 24: Part A
71: JIANGMEN YISHAN METAL PRODUCTS CO., LTD., BLACKCUBE CO., LTD
33: US 31: 29/959,623 32: 2024-08-27
54: COOKING POT
57: The features of the design for which protection is claimed are for the pattern and/or ornamentation of a cooking pot, substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2025/00237 22: 2025-02-28 23:
43: 2025-09-09
52: Class 23 24: Part A
71: HANSGROHE SE
33: EU 31: 015071107-0001 32: 2024-09-02
54: SINK
57: The novelty of the design resides in the shape or configuration of a sink substantially as shown in the accompanying representations.



21: A2025/00239 22: 2025-02-28 23:
43: 2025-09-10
52: Class 28 24: Part A
71: Personnel Hygiene Services Limited
33: EM 31: 015086143-0002 32: 2024-12-20
54: AIR FRESHENERS
57: The design is for an air freshener. The air freshener comprises a rear part and a dome-shaped front part. The front part comprises radially spaced webs shaped as elongate trapezium-shaped members on the outer side of the front part and radially spaced webs shaped as short trapezium-shaped members on the inner side of the front part. Each of the elongate and short trapezium-shaped members defines an opening. A circular ring separates the short trapezium-shaped members from the elongate trapezium-shaped members.

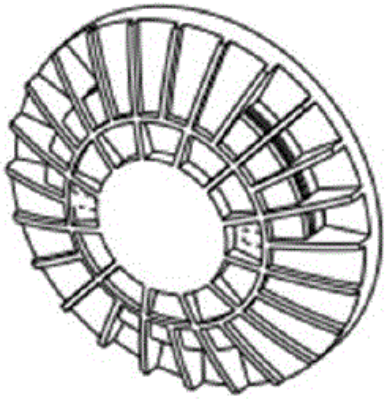
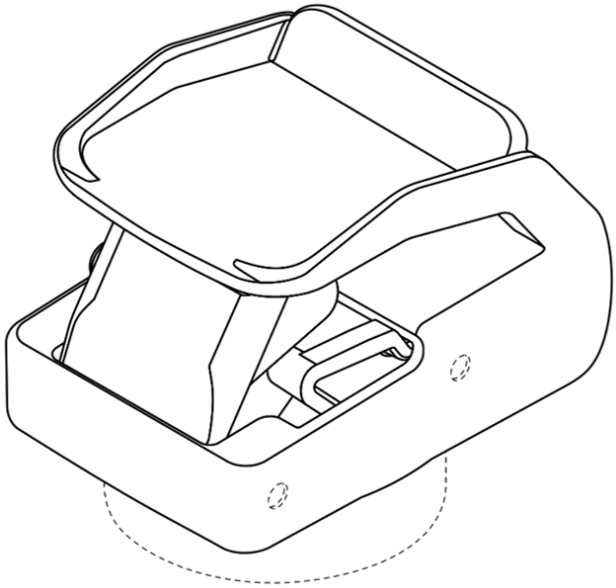


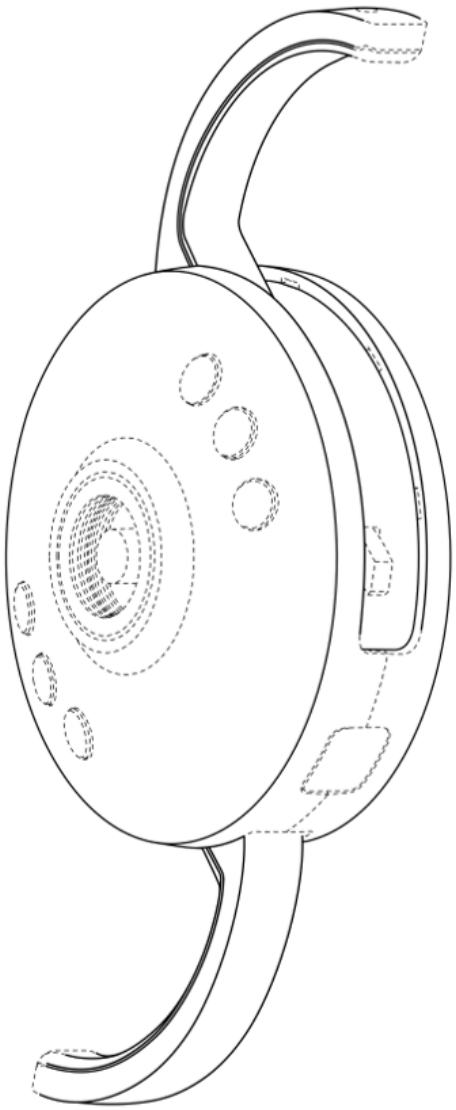
Figure 1

Three-dimensional view

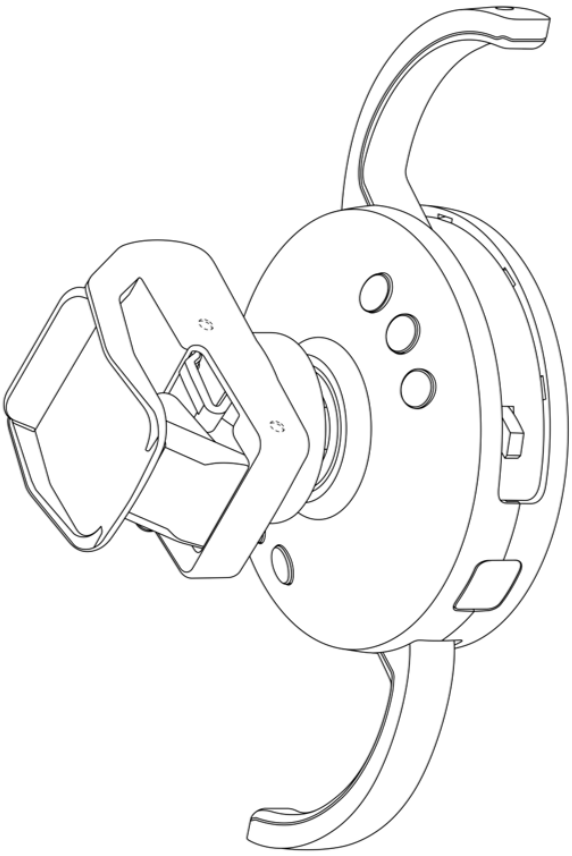
21: A2025/00240 22: 2025-02-28 23:
43: 2025-09-09
52: Class 21 24: Part A
71: DOONA HOLDINGS LTD.
33: IL 31: 73079 32: 2024-09-02
54: A CONNECTOR
57: The design is applied to a connector. The features of the design for which protection is claimed are those of the shape and/or configuration of the connector, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



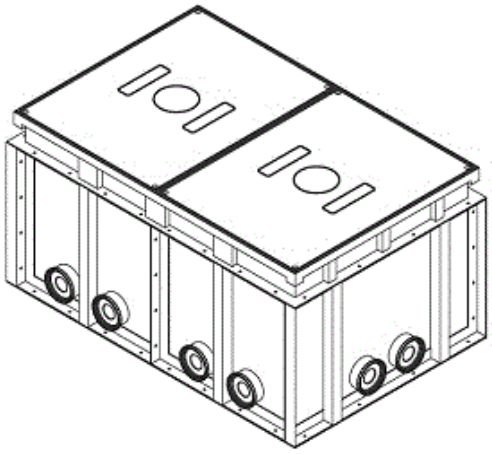
21: A2025/00241 22: 2025-02-28 23:
43: 2025-09-09
52: Class 21 24: Part A
71: DOONA HOLDINGS LTD.
33: IL 31: 73079 32: 2024-09-02
54: A COMPACT MOBILE TOY
57: The design is applied to a compact mobile toy. The features of the design for which protection is claimed are those of the shape and/or configuration of the compact mobile toy, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2025/00242 22: 2025-02-28 23:
43: 2025-09-09
52: Class 21 24: Part A
71: DOONA HOLDINGS LTD.
33: IL 31: 73079 32: 2024-09-02
54: A COMPACT MOBILE TOY, AND A CONNECTOR FOR A COMPACT MOBILE TOY
57: The design is applied to a compact mobile toy and a connector. The features of the design for which protection is claimed are those of the shape and/or configuration of the compact mobile toy and the connector, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

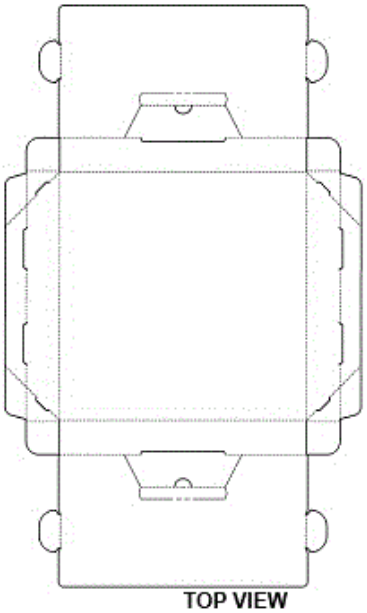


21: F2020/01140 22: 2020-08-21 23:
43: 2025-08-11
52: Class 14 24: Part F
71: MANHOLES 4 AFRICA (PTY) LTD
54: CHAMBER
57: The design relates to a chamber assembly. The features of the design are those of shape and/or configuration and/or pattern.



PERSPECTIVE VIEW IN CLOSED CONFIGURATION

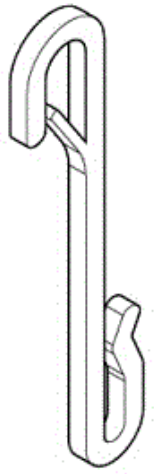
21: F2023/00755 22: 2023-07-07 23:
43: 2025-08-11
52: Class 9. 24: Part F
71: MPACT LIMITED
54: Blank for Stackable Box
57: The design relates to blank for a stackable box. The features of the design are those of shape and/or configuration and/or pattern.



TOP VIEW

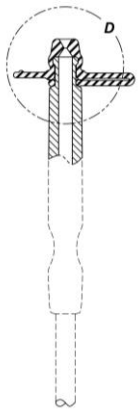
21: F2023/01243 22: 2023-11-17 23:
43: 2025-08-11
52: Class 8. 24: Part F
71: PLASTIC INNOVATIONS (PTY) LTD
54: A Hook

57: The design relates to a hook. The features of the design are those of shape and/or configuration.



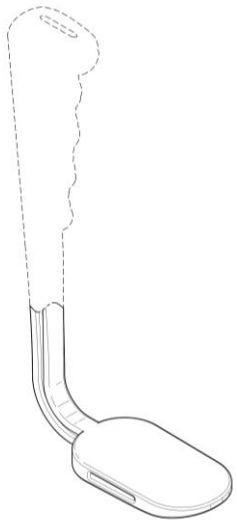
REAR PERSPECTIVE VIEW

21: F2024/01147 22: 2024-11-11 23:
43: 2025-06-12
52: Class 24 24: Part F
71: K2 MEDICAL (PTY) LIMITED
54: MEDICAL INSTRUMENT
57: The features of the design for which protection is claimed reside in the shape and/or configuration of the medical instrument as shown in the accompanying representations. The instrument tube, which is depicted in broken lines and which may be of any length, does not form part of the design and is specifically excluded from the protection sought.



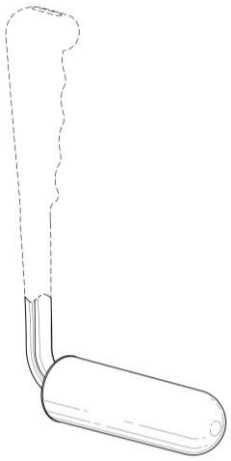
CROSS-SECTIONAL FRONT VIEW OF ARTICLE IN A SECOND POSITION ON LINE C-C'

21: F2024/01148 22: 2024-11-11 23:
43: 2025-06-12
52: Class 24 24: Part F
71: K2 MEDICAL (PTY) LIMITED
54: MEDICAL INSTRUMENT
57: The features of the design for which protection is claimed reside in the shape and/or configuration of the medical instrument as shown in the accompanying representations. The handle formation, which is depicted in broken lines, does not form part of the design and is specifically excluded from the protection sought.



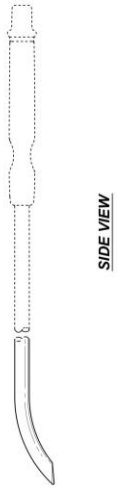
TOP PERSPECTIVE VIEW

21: F2024/01149 22: 2024-11-11 23:
43: 2025-06-12
52: Class 24 24: Part F
71: K2 MEDICAL (PTY) LIMITED
54: MEDICAL INSTRUMENT
57: The features of the design for which protection is claimed reside in the shape and/or configuration of the medical instrument as shown in the accompanying representations. The handle formation, which is depicted in broken lines, does not form part of the design and is specifically excluded from the protection sought.



TOP PERSPECTIVE VIEW

21: F2024/01150 22: 2024-11-11 23:
43: 2025-06-12
52: Class 24 24: Part F
71: K2 MEDICAL (PTY) LIMITED
54: MEDICAL INSTRUMENT
57: The features of the design for which protection is claimed reside in the shape and/or configuration of the medical instrument as shown in the accompanying representations. The portion of the instrument tube, which is depicted in broken lines, may be of any length.



SIDE VIEW

21: F2025/00025 22: 2025-01-10 23:
43: 2024-07-12
52: Class 6 24: Part F
71: WANG, Guanwen
33: AU 31: 202414767 32: 2024-07-12
54: DRAWER SIDE PANELS
57: The design is for a drawer side panel of indefinite length which is applied to an extruded drawer side panel of a vehicular drawer system. The novelty of the design resides in the features of shape and configuration as shown in the accompanying representations, in particular the features of the hollow track portion.

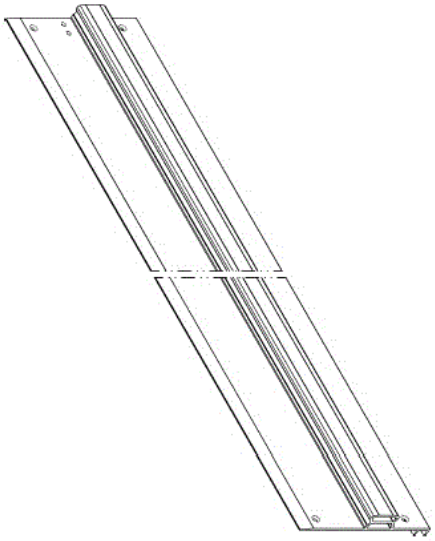
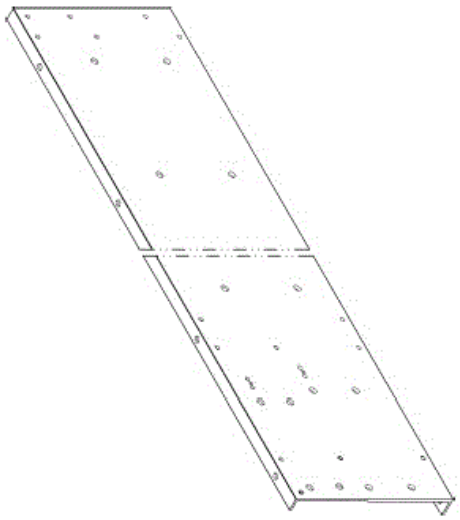
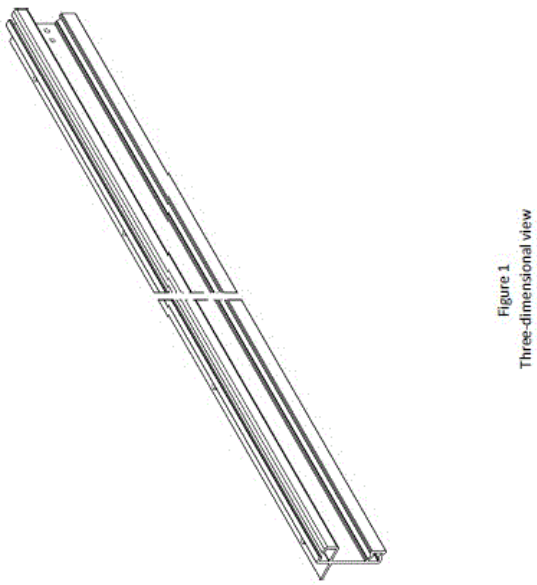


Figure 1
Three-dimensional view

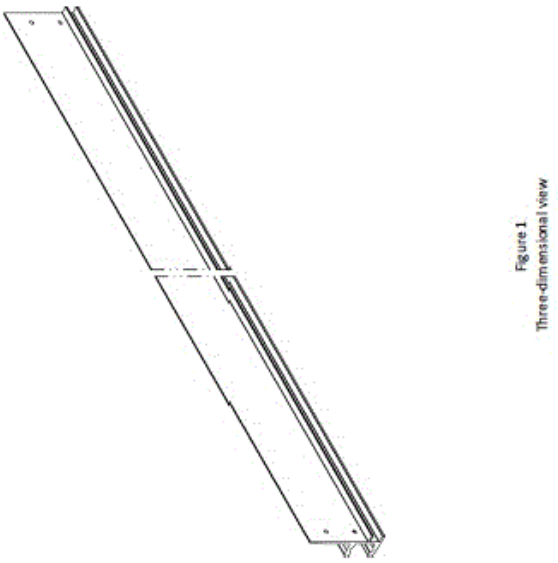
21: F2025/00026 22: 2025-01-10 23:
43: 2024-07-12
52: Class 6 24: Part F
71: WANG, Guanwen
33: AU 31: 202414768 32: 2024-07-12
54: CABINET SIDE PANELS
57: The design is for a cabinet side panel of indefinite length which is applied to an extruded cabinet side panel of a vehicular drawer system. The novelty of the design resides in the features of shape and configuration as shown in the accompanying representations.



21: F2025/00027 22: 2025-01-10 23:
43: 2025-08-12
52: Class 6 24: Part F
71: WANG, Guanwen
33: AU 31: 202414769 32: 2024-07-12
54: DRAWER TRACKS
57: The design is for a drawer track of indefinite length which is applied to an extruded drawer track of a vehicular drawer system. The novelty of the design resides in the features of shape and configuration as shown in the accompanying representations, in particular the features of the hollow track portion.



21: F2025/00028 22: 2025-01-10 23:
43: 2024-07-12
52: Class 6 24: Part F
71: WANG, Guanwen
33: AU 31: 202414773 32: 2024-07-12
54: DRAWER SIDE PANELS
57: The design is for a drawer side panel of indefinite length which is applied to an extruded drawer side panel of a vehicular drawer system. The novelty of the design resides in the features of shape and configuration as shown in the accompanying representations, in particular the features of the track portion.



21: F2025/00029 22: 2025-01-10 23:
43: 2024-07-12
52: Class 6 24: Part F
71: WANG, Guanwen
33: AU 31: 202414774 32: 2024-07-12
54: CABINET SIDE PANELS
57: The design is for a cabinet side panel of indefinite length which is applied to an extruded cabinet side panel of a vehicular drawer system. The novelty of the design resides in the features of shape and configuration as shown in the accompanying representations.

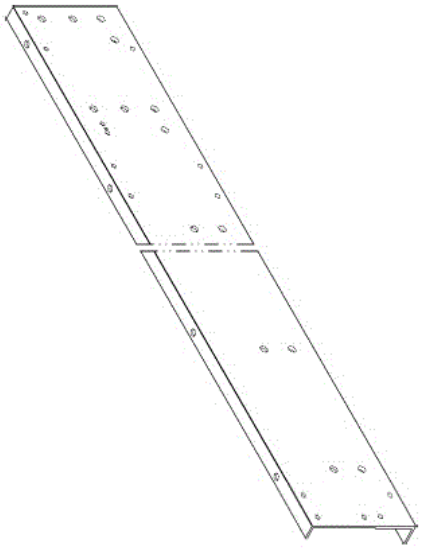
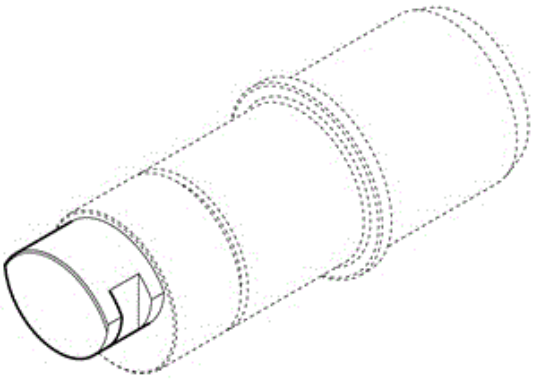


Figure 1
Three-dimensional view

21: F2025/00033 22: 2025-01-13 23:
43: 2025-08-11
52: Class 12. 24: Part F
71: COMPOSITE CONVEYOR EQUIPMENT COMPANY (PTY) LIMITED
54: Idler Shaft End
57: The design relates to an idler shaft end. The features of the design are those of shape and/or configuration.

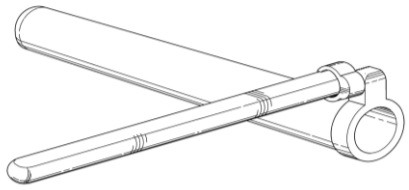


TOP PERSPECTIVE VIEW

21: F2025/00108 22: 2025-01-24 23:
43: 2025-08-13
52: Class 13 24: Part F
71: NIENHUIS, Jan, Balster
54: HINGED M430 ROOF SHEET CLAMP FOR MOUNTING SOLAR PANELS
57: The design relates to a Hinged M430 Roof Sheet Clamp for Mounting Solar Panels. The features of the design are those of shape and/or configuration.

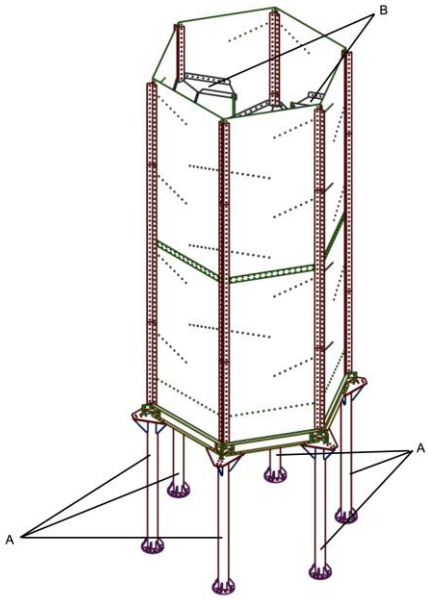
Figure 7 is for illustrative purposes only and does not form part of the design.

21: F2025/00130 22: 2025-02-04 23:
43: 2025-09-09
52: Class 24 24: Part F
71: DU PLOOY, Johann
54: NEEDLE SHEATHS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a needle sheath, substantially as shown in the representations, the features shown in broken lines are for illustrative purposes only and are disclaimed.



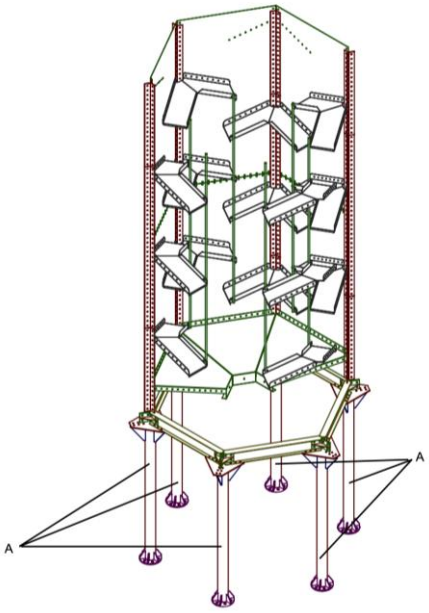
Three-dimensional side view of a needle sheath in a deployed position.

21: F2025/00189 22: 2025-02-20 23:
43: 2025-09-09
52: Class 15 24: Part F
71: MAYO MACS SA (PTY) LTD
54: DRYING BINS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a drying bin, substantially as shown in the representations, the features marked “A” and “B” are for illustrative purposes only and are disclaimed.



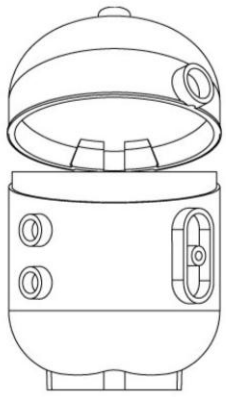
Three-dimensional view of a drying bin

21: F2025/00190 22: 2025-02-20 23:
43: 2025-09-09
52: Class 15 24: Part F
71: MAYO MACS SA (PTY) LTD
54: DRYING BINS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a drying bin, substantially as shown in the representations, the features marked “A” are for illustrative purposes only and are disclaimed.



Three-dimensional section view of a drying bin

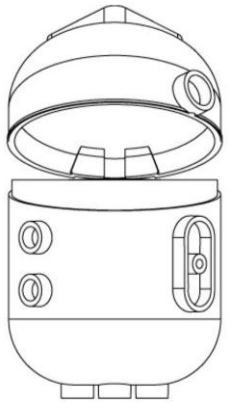
21: F2025/00204 22: 2025-02-21 23:
43: 2025-09-09
52: Class 09 24: Part F
71: SUPADY, Mariusz, KNAPIK, Sebastian
33: WO 31: DM/242268 32: 2024-08-24
54: PACKAGING CAPSULES
57: The features of the design for which protection is claimed includes the pattern and/or shape and/or configuration of a packaging capsule, substantially as shown in the representations.



Front view of a Packaging Capsule in an open position

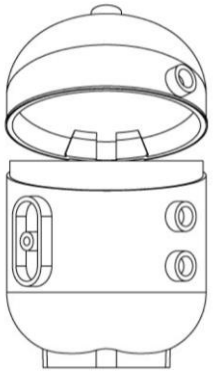
21: F2025/00205 22: 2025-02-21 23:
43: 2025-09-09
52: Class 09 24: Part F

71: SUPADY, Mariusz, KNAPIK, Sebastian
33: WO 31: DM/242268 32: 2024-08-24
54: PACKAGING CAPSULES
57: The features of the design for which protection is claimed includes the pattern and/or shape and/or configuration of a packaging capsule, substantially as shown in the representations.



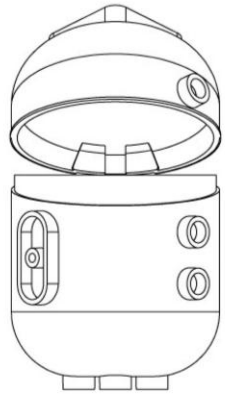
Front view of a Packaging Capsule in an open position

21: F2025/00206 22: 2025-02-21 23:
43: 2025-09-09
52: Class 09 24: Part F
71: SUPADY, Mariusz, KNAPIK, Sebastian
33: WO 31: DM/242268 32: 2024-08-24
54: PACKAGING CAPSULES
57: The features of the design for which protection is claimed includes the pattern and/or shape and/or configuration of a packaging capsule, substantially as shown in the representations.



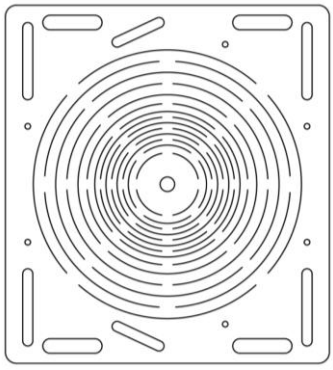
Front view of a Packaging Capsule in an open position

21: F2025/00207 22: 2025-02-21 23:
43: 2025-09-09
52: Class 09 24: Part F
71: SUPADY, Mariusz, KNAPIK, Sebastian
33: WO 31: DM/242268 32: 2024-08-24
54: PACKAGING CAPSULES
57: The features of the design for which protection is claimed includes the pattern and/or shape and/or configuration of a packaging capsule, substantially as shown in the representations.



Front view of a Packaging Capsule in an open position

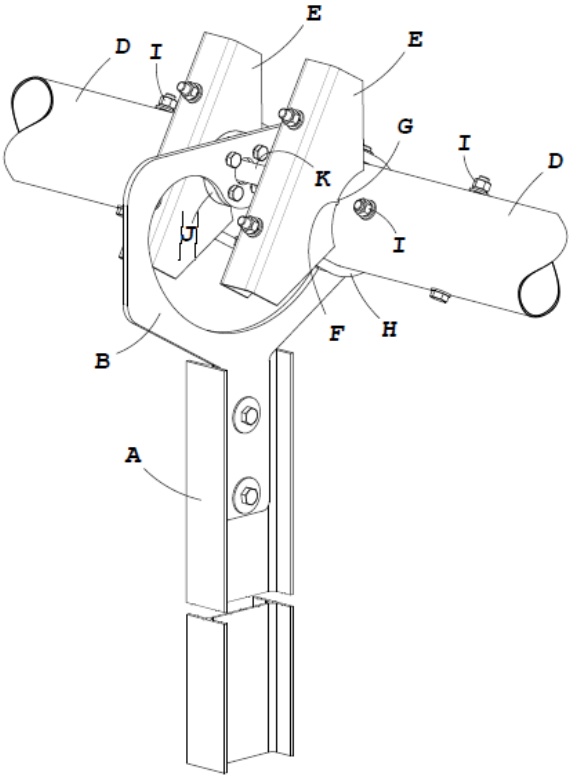
21: F2025/00222 22: 2025-02-25 23:
43: 2025-09-09
52: Class 29 24: Part F
71: ASCENTECH SAFETY CONSULTANCY CC
54: FALL ARREST ANCHORS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a fall arrest anchor, substantially as shown in the representations, the features marked “A” and “B” are for illustrative purposes only and are disclaimed.



Front view of a fall arrest anchor

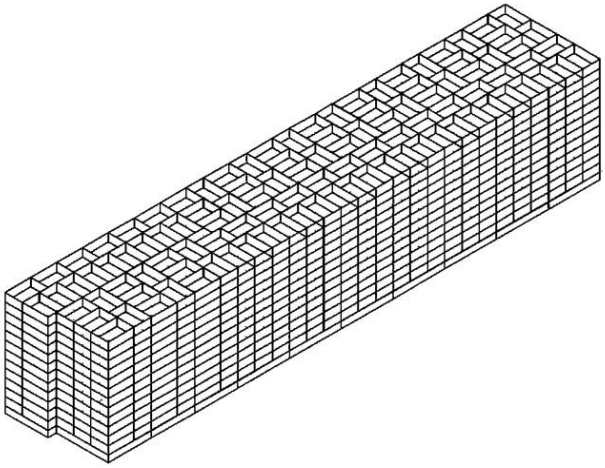
21: F2025/00246 22: 2025-03-03 23:
43: 2025-10-09
52: Class 13 24: Part F
71: AXE STRUCT (PTY) LTD
54: SOLAR PANEL SUPPORT ASSEMBLY

57: The features of the design for which protection is claimed reside in the shape and/or configuration of a solar panel support assembly, substantially as shown in the accompanying drawings.

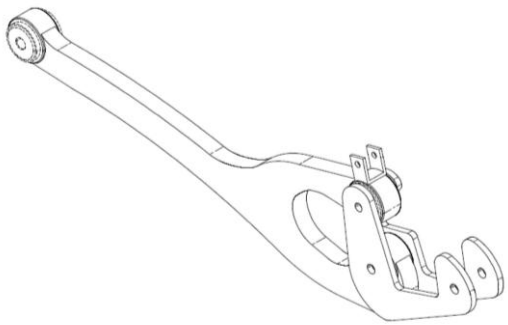


21: F2025/00260 22: 2025-03-04 23:
43: 2025-10-09
52: Class 08 24: Part F
71: ROCKETFUEL PRODUCT INNOVATIONS (PTY) LTD
54: SPORTING GEAR RACK
57: The design is for a sporting gear rack that includes various support formations for storing sporting gear. The sporting gear rack also includes mounting formations that can be used to secure the rack onto a wall.

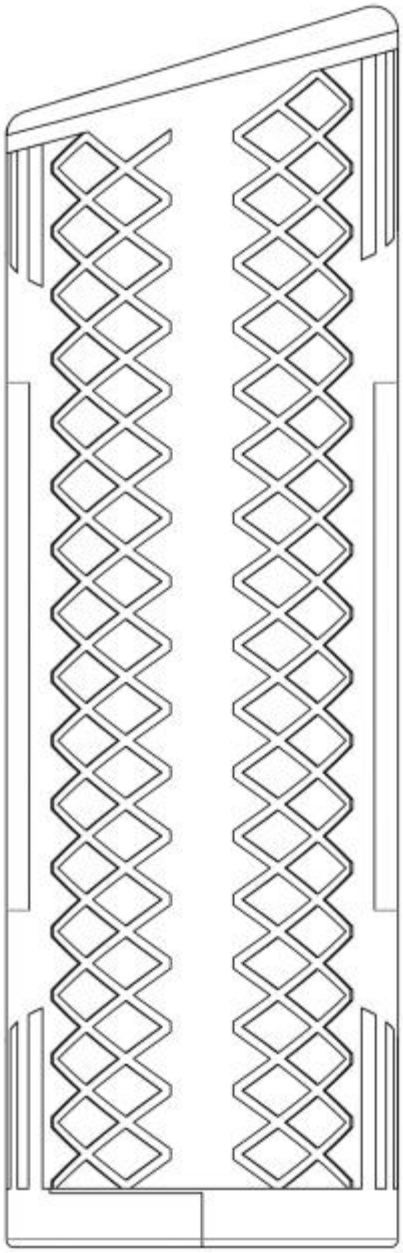
21: F2025/00291 22: 2025-03-11 23:
43: 2025-10-09
52: Class 09 24: Part F
71: APL Cartons (Pty) Ltd
54: PALLETS AND CARTONS FOR LOADING SHIPPING CONTAINERS
57: The design is for pallets and cartons for loading shipping containers by loading each pallet with multiple stacked layers of five cartons each, and arranging the pallets in an array to match the inside dimensions of the shipping container.



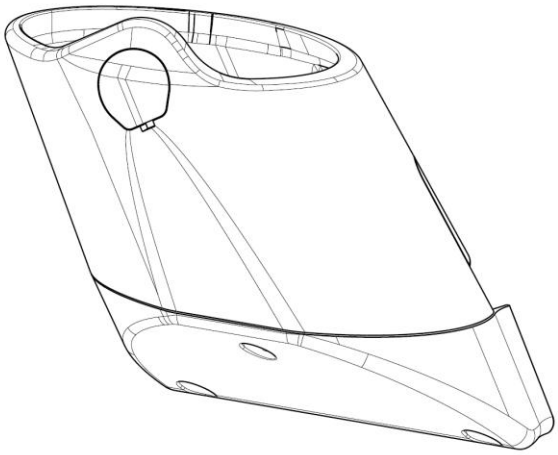
21: F2025/00924 22: 2025-08-05 23:
43: 2025-08-12
52: Class 12 24: Part F
71: VAN WYK, Wiaan
54: A RADIUS ARM
57: The design is for a radius arm forming part of a suspension system of a vehicle, specifically a 4x4 or offroad vehicle. The radius arm is elongate, having a connection interface at each end. A front of the radius arm, for connection to an axle (e.g., a solid front axle), defines a hook-like structure and includes a first bushing. A single, elongate member spans most of a length of the radius arm and terminates in a second bushing to connect to a chassis of the vehicle.

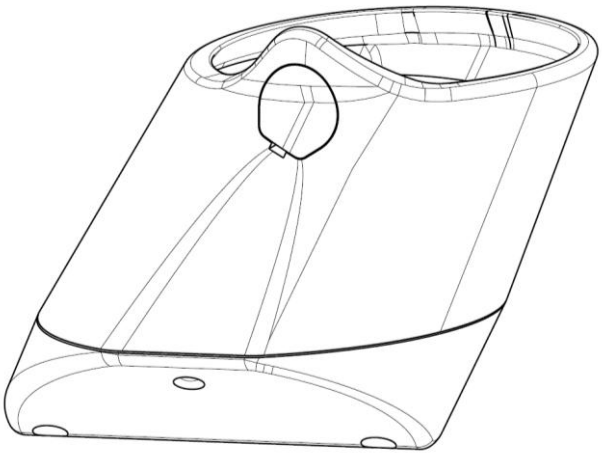


21: F2025/01035 22: 2025-08-25 23:
43: 2025-10-09
52: Class 8 24: Part F
71: QINGDAO HUATIAN HAND TRUCK CO., LTD.
33: CN 31: 2025304038280 32: 2025-07-10
54: GRIPS
57: The design relates to a Grips. The features of the design are those of shape and/or pattern and/or configuration.

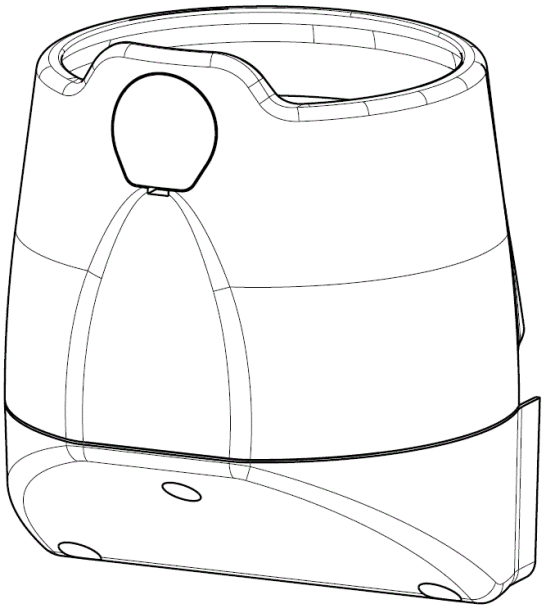


21: F2025/01110 22: 2025-09-04 23:
43: 2025-10-09
52: Class 12 24: Part F
71: KAP Automotive (Pty) Ltd
54: REAR RIGHT SPORTS BAR MOUNT
57: The design relates to a REAR RIGHT SPORTS BAR MOUNT. The features of the design are those of shape and/or pattern and/or configuration.





21: F2025/01111 22: 2025-09-04 23:
43: 2025-10-09
52: Class 12 24: Part F
71: KAP Automotive (Pty) Ltd
54: FRONT SPORTS BAR MOUNT
57: The design relates to a FRONT SPORTS BAR MOUNT. The features of the design are those of shape and/or pattern and/or configuration.



21: F2025/01112 22: 2025-09-04 23:
43: 2025-10-09
52: Class 12 24: Part F
71: KAP Automotive (Pty) Ltd
54: REAR LEFT SPORTS BAR MOUNT
57: The design relates to a REAR LEFT SPORTS BAR MOUNT. The features of the design are those of shape and/or pattern and/or configuration.

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

21: 2025/00008. 22: 2025/09/04 43: 2025/09/04
24: 2025/05/19 to 2025/07/14; Johannesburg
25: 2025/08/09; Johannesburg
71: Ntokozo Ndlovu 8 Winburg Road, JOHANNESBURG, 2197, South Africa Linda Mazibuko 3882 Nhlokoshiyane street pimville zone 4, Johannesburg, 1809, South Africa.
75: Ntokozo Ndlovu8 Winburg Road, JOHANNESBURG, ZA, 2197, Phone: 0656916100, Email: ntokozo.ndlovu9@gmail.com; Linda Mazibuko3882 Nhlokoshiyane street pimville zone 4, Johannesburg, ZA, 1809, Phone: 0680677789, Email: lindajmazibuko09@gmail.com
76: Ntokozo Ndlovu; Linda Mazibuko
77: Ntokozo Ndlovu; Linda Mazibuko
54: Y Ung'Loya
78: Lucy Bhanda; Stombi Hlombe
26: N/A
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: The victim writes to our show about the witchcraft problems they are facing from people they know, we then send our presenter to help the victim ask questions that the victims need answers from (like why are you bewitching me). The victimizer may be controversial about all this (you're not guilty until proven guilty), if the victimizer pleads not guilty we then take both of them to our sangoma or prophet to reveal if the victimizer is guilty or not, and help the victim to cast out the spell and also help the victimizer to remove this bad omen that makes them bewitch people. If the victimizer pleads guilty, we will provide help to both of them, help the victim to cast out the spell and help the victimizer stop doing that bad thing to people

58: MS

21: 2025/00009. 22: 2025/10/06 43: 2025/10/06
24: 2024/03/06 to 2025/09/30; Durban and Pietermaritzburg
25: 2025/10/01; The Biscope Independent
71: Bridget Mary Pickering 4 Strandfontein Road, Summerstrand Gqeberha, 6001, South Africa.
75: Nomakhomazi Dewavrin 4 Strandfontein Road, Summerstrand Gqeberha, ZA, 6001, Phone: 0781346849, Email: noma@oneblood.co.za
76: Bridget Mary Pickering
77: Nomakhomazi Dewavrin
54: MRS PLUM
78: Alice Krige; Londiwe Mdletshe
26: Being released in festivals worldwide, then cinema, then showmax and then M-Net but a watermarked screener can be viewed by the DTIC's Copyright office using the link: https://vimeo.com/1121662948?share=copy (using password: Pickering25)
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: 1959 under South Africa's brutal pass laws, a young domestic worker looks to her liberal employer for protection only to find herself molded & lectured into acquiescence.

58: DR

21: 2025/00010. 22: 2025/10/09 43: 2025/10/09
24: 2024/09/16 To 2024/10/01; Johannesburg
25: 2025/09/28; Johannesburg
71: Baby Mamas Adulting Pty Ltd 74 Montrose Avenue, North Riding, 2169, South Africa.

75: Stephina Zwane-Groenewald 2 Montecello MMI Simmen Taler Road, North Riding, ZA, 2169, Phone: 0824771839, Email: stephina@sorelemedia.co.za; Baby Mamas Adulting Pty Ltd74 Montrose Avenue, North Riding, ZA, 2169, Phone: 0716879952, Email: salamina.mosese@gmail.com
76: Salamina Mosese
77: Stephina Zwane-Groenewald
54: **Baby Mamas 2**
• Baby Mamas 2- Feature film not episode
• Baby Mamas 2- Feature film not episode
• Baby Mamas 2- feature film
78: Salamina Mosese; Thembisa Mdoda-Nxumalo; Dineo Ranaka; Kay Smith; Salamina Mosese
26: N/A
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: A tight-knit circle of friends share their experiences on the joys and woes of being single moms. Together they navigate the various challenges of being a ‘baby mama’ that’s growing older, forming a sisterhood that helps them to cope with the curveball that is ‘adulting’ as a baby mama!

58: DR

21: 2025/00011. 22: 2025/10/09 43: 2025/10/09
24: 024/10/07 to 2024/10/22; Johannesburg
25: 2025/10/01; Johannesburg
71: Mother The Law Pty Ltd 74 Montrose Avenue, North Riding, 2169, South Africa.
75: Mother The Law Pty Ltd 74 Montrose Avenue, North Riding, ZA, 2169, Phone: 0716879952, Email: salamina.mosese@gmail.com; Stephina Zwane-Groenewald 2 Montecello MMI Simmen Taler Road, North Riding, ZA, 2169, Phone: 0824771839, Email: stephina@sorelemedia.co.za
76: Salamina Mosese
77: Stephina Zwane-Groenewald
54: **Mother The Law**
• Mother The Law- Feature film, not episode
• Mother The Law- Feature film, not episode
• Mother The Law- Feature Film Not episode
78: Nthati Moshesh; Dineo Langa; Kay Sibiya; Sechaba Morojele; Nthati Moshesh; Dineo Langa; Kay Sibiya; Sechaba Morojele
26: N/A
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Mother The Law is a light-hearted Feature film dramedy that follows the chaos in Palesa and Lunga's family as they prepare for Lunga's 35th birthday celebration. When Jeminah, Palesa’s mother-in-law, arrives, her actions—rooted in hidden grief over her deceased son—create turmoil within the family. As Palesa uncovers Jeminah's true motivations, it leads to a heartfelt confession, family reconciliation, and healing.

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

The Design application no: **A2020/00006** was advertised in the August 2025 journal with incorrect priority country name and incorrect acceptance date. The advertisement should have appeared as the one below, but publication date will remain the **27/08/2025**.

21: **A2020/00006** 22: 2020-01-06 23:
43: **05-06-2025**
52: Class 04 24: Part A
71: HALEON CH SARL
33: **EM (GB)** 31: 006614954 32: 2019-07-08
54: **TOOTHBRUSH HEADS**
57: The design is for a toothbrush head comprising an elongate stem that tapers gently inwardly as it extends upwardly from a shoulder portion. An upper end of the stem curves rearwardly upwardly towards a concavely curved bowl-shaped member that projects upwardly at a rear of the toothbrush head. A short bristle locator projects upwardly from the upper end of the stem. Front and rear surfaces of the bristle locator taper inwardly towards an upper ring. Forward and rearward arrangements of elongate bristles project radially from a front and rear surface of the ring. The rearward arrangement is cupped by the bowl-shaped member.

Figure 1

Three-dimensional view

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for October 2025

Number of Advertised Patents: 633

Application Number	Patent Title	Filing Date
2015/00649	PHARMACEUTICAL COMPOSITIONS AND TREATMENT OF MASTITIS	2015/01/28
2016/00157	ANTI-COMPLEMENT FACTOR C1Q ANTIBODIES AND USES THEREOF	2016/01/08
2016/05235	PUSH-ON FASTENER	2016/07/28
2016/08006	TEMPORARY TRANSFER BUS	2016/11/18
2017/04746	PYRROLO AND PYRAZOLOPYRIMIDINES AS UBIQUITIN-SPECIFIC PROTEASE 7 INHIBITORS	2017/07/13
2018/01290	SILO FOR GRAIN	2018/02/26
2018/02488	ALCOHOLIC BEVERAGE AND METHOD OF MAKING THE SAME	2018/04/16
2018/02838	ORAL CARE COMPOSITIONS	2018/04/30
2018/03441	LIVE VIRUS HAVING A BANK OF DENGUE VIRUS ATTENUATED STRAINS, AND A DENGUE VACCINE CONTAINING SAME AS ANTIGENS	2018/05/24
2018/03705	7-(THIAZOL-5-YL) PYRROLOPYRIMIDINE COMPOUND AS TLR7 AGONIST	2018/06/04
2018/05480	POLYCRYSTALLINE DIAMOND COMPACTS HAVING INTERSTITIAL DIAMOND GRAINS AND METHODS OF MAKING THE SAME	2018/08/16
2018/06354	CODE AND CONTAINER OF SYSTEM FOR PREPARING A BEVERAGE OR FOODSTUFF	2018/09/21
2018/07862	LOW DENSITY SPHERICAL IRIDIUM SOURCE	2018/11/21
2018/08199	SECURITY SENSOR DEVICE	2018/12/05
2019/00641	VIRAL VACCINES	2019/01/30
2019/00838	CMET MONOCLONAL BINDING AGENTS, DRUG CONJUGATES THEREOF AND USES THEREOF	2019/02/08
2019/01139	A HYDROCYCLONE	2019/02/22
2019/02087	HYBRID - FLOTATION RECOVERY OF MINERAL BEARING ORES	2019/04/03
2019/02226	AAV TREATMENT OF HUNTINGTON'S DISEASE	2019/04/09
2019/03630	AMPHIPHILIC POLYSACCHARIDE DERIVATIVES AND COMPOSITIONS COMPRISING SAME	2019/06/06
2019/03672	ASSET TRANSFER METHOD AND APPARATUS, AND ELECTRONIC	2019/06/07

Application Number	Patent Title	Filing Date
	DEVICE	
2019/04287	METHOD OF TREATING OR AMELIORATING METABOLIC DISORDERS USING GLP-1 RECEPTOR AGONISTS CONJUGATED TO ANTAGONISTS FOR GASTRIC INHIBITORY PEPTIDE RECEPTOR (GIPR)	2019/06/28
2019/04457	WAVE POWER DEVICE	2019/07/08
2019/04591	DEXMEDETOMIDINE OR MEDETOMIDINE FOR USE IN TREATING SEPARATION ANXIETY IN DOGS	2019/07/12
2019/04642	ETHANOL-FREE GEL FORMULATION CARTRIDGE FOR E-VAPING DEVICE	2019/07/16
2019/04895	ETHANE-SULFONATE SALT OF QUINOLINE DERIVATIVE	2019/07/25
2019/05168	MULTIPLE LOW DENSITY PARITY CHECK (LDPC) BASE GRAPH DESIGN	2019/08/05
2019/05649	PROCESSES FOR COATING RETICULATED FOAMS	2019/08/27
2019/05948	AN LED LAMP AND LUMINAIRE	2019/09/10
2019/06003	ELASTOMERIC COMPOSITE POLYURETHANE SKINS	2019/09/11
2019/06004	ANTI-PAR2 ANTIBODIES AND USES THEREOF	2019/09/11
2019/06037	LIQUID COMPOSITION CONTAINING PRADOFLOXACIN	2019/09/12
2019/06883	METHOD FOR PREPARING A COMPOSITION WITH A LOW DISSOLVED OXYGEN CONTENT, COMPRISING ACETAMINOPHEN, AND OPTIONALLY ONE OR MORE NSAIDs, AND A COMPOSITION OBTAINED THEREOF	2019/10/18
2019/07233	CONJUGATION OF A CYTOTOXIC DRUG WITH BIS-LINKAGE	2019/10/30
2019/07407	APPARATUS WITH CROSSOVER ASSEMBLY TO CONTROL FLOW WITHIN A WELL	2019/11/07
2019/07590	APPARATUS AND METHOD OF AGGREGATING AND SUPPLYING ENERGY	2019/11/15
2019/08221	FABRIC ENCASED MICRO TUBES FOR AIR BLOWN FIBERS	2019/12/10
2020/00465	SEARCH REGION FOR MOTION VECTOR REFINEMENT	2020/01/23
2020/04242	SYSTEMS AND METHODS FOR TREATING BIOLOGICAL FLUIDS	2020/07/10
2020/04342	PESTICIDAL COMPOUNDS	2020/07/15

Application Number	Patent Title	Filing Date
2020/04503	IMPROVED METHOD FOR PRODUCING HIGH-QUALITY BLOOD MEAL	2020/07/21
2020/04764	SOLID FORMS OF {[5-(3-CHLOROPHENYL)-3-HYDROXYPYRIDINE-2-CARBONYL]AMINO}ACETIC ACID, COMPOSITIONS, AND USES THEREOF	2020/07/31
2020/05212	ELECTRICAL SWITCH CONTACT SETS	2020/08/21
2020/05599	FILTER MEDIA CONFIGURATIONS	2020/09/09
2020/05970	OZONE WATER GENERATION SYSTEM	2020/09/28
2020/06871	A CHECK VALVE, ASSOCIATED DOWNHOLE DATA COLLECTION SYSTEM AND INNER CORE BARREL ASSEMBLY	2020/11/04
2020/07029	METHOD AND SYSTEM FOR RETURNING A NUCLEAR POWER STATION TO A SAFE STATE AFTER AN EXTREME EVENT	2020/11/11
2020/07137	UE BEHAVIOR WITH REJECTION OF RESUME REQUEST	2020/11/16
2021/00354	DIGITAL FILE ANTI-FORGERY PROTECTION	2021/01/18
2021/00358	ARTICLE DUAL MATERIAL-DIGITAL ANTI-FORGERY PROTECTION	2021/01/18
2021/00599	CREEP RESISTANT TITANIUM ALLOYS	2021/01/27
2021/00919	ANTI-FC EPSILON-R1 ALPHA (FCER1A) ANTIBODIES, BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND FCER1A AND CD3, AND USES THEREOF	2021/02/10
2021/00981	SUCCINATE AND FUMARATE ACID ADDITION SALTS OF PIPERAZINE DERIVATIVES USEFUL AS GLYCOSIDASE INHIBITORS	2021/02/12
2021/01932	ENCODING AND DECODING PICTURES BASED ON TILE GROUP ID	2021/03/23
2021/02387	METHOD AND SYSTEM FOR CONSENT TO TIME-BOUND QUERIES IN A BLOCKCHAIN	2021/04/12
2021/02528	ADAPTER FOR A PRINTER	2021/04/16
2021/02612	REPORTING BEAM FAILURE	2021/04/20
2021/03511	ENGINEERED ROBUST HIGH TM-PHYTASE CLADE POLYPEPTIDES AND FRAGMENTS THEREOF	2021/05/24
2021/04912	RNA ENCODING A PROTEIN	2021/07/13
2021/08041	GROUND ENGAGING TIP AND	2021/10/20

Application Number	Patent Title	Filing Date
	GROUND ENGAGING TOOL ASSEMBLY	
2021/08693	LOW PROFILE SUPPORT STRUCTURE FOR A ROTARY REGENERATIVE HEAT EXCHANGER	2021/11/05
2022/01378	ANTI-CD154 ANTIBODIES AND USES THEREOF	2022/01/28
2022/03213	METHOD FOR SEMIAUTOMATIC IMAGE DATA ANNOTATION, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2022/03/17
2022/03254	IMMUNOCYTOKINE COMPRISING HETERODIMERIC PROTEIN COMPLEX BASED ON IL-15/IL-15R?	2022/03/18
2022/03818	MIXING HEAD	2022/04/04
2022/03974	CANINE DISTEMPER VIRUS HEMAGGLUTININ AND FUSION POLYPEPTIDES	2022/04/07
2022/04807	A PHARMACEUTICAL ORAL DOSAGE FORM OF Q203	2022/04/29
2022/04954	BICYCLIC COMPOUNDS AND METHODS FOR THEIR USE IN TREATING PITT HOPKINS SYNDROME	2022/05/05
2022/04985	METHOD AND APPARATUS FOR REMOVING IMPURITIES FROM GASIFICATION GAS AND USE	2022/05/06
2022/05089	METHOD OF PREPARING A COSMETIC COMPONENT	2022/05/09
2022/05428	CONTAINER WITH A COATING LAYER	2022/05/17
2022/06165	PREPARATION OF ACID-DEFICIENT URANYL NITRATE SOLUTIONS	2022/06/02
2022/06283	SUPPRESSION OF SHADE AVOIDANCE RESPONSE IN PLANTS	2022/06/06
2022/06307	METHODS FOR GENERATING HEMATOPOIETIC STEM CELLS	2022/06/07
2022/06372	SYSTEM AND METHOD FOR NETWORK USAGE PRODUCT PROVISIONING	2022/06/08
2022/06373	SYSTEM AND METHOD FOR REMOTE PROVISION, DISBURSEMENT AND COLLECTION OF SECURED LOANS	2022/06/08
2022/06482	SUBSTITUTED MACROCYCLIC COMPOUNDS AND RELATED METHODS OF TREATMENT	2022/06/10
2022/07333	A METHOD AND SYSTEM FOR IMPROVED SOUNDING REFERENCE SIGNAL (SRS) OVERHEAD AND FLEXIBLE REUSE	2022/07/01

Application Number	Patent Title	Filing Date
	SCHEME	
2022/07601	TREATMENT OF ACUTE HEART FAILURE	2022/07/08
2022/07604	SIMULTANEOUS DOWNLINK TRANSMISSION AND UPLINK PANEL SWITCHING	2022/07/08
2022/07796	METHODS OF OBTAINING RADIO ACCESS NODE INSTALLATION DATA AND RELATED USER EQUIPMENT DEVICES, RADIO NODES, AND MANAGEMENT NODES	2022/07/13
2022/07805	METHOD FOR THE PREPARATION OF SYNTHESIS GAS	2022/07/13
2022/07944	TAPPING ARRANGEMENT FOR A TRANSFORMER	2022/07/18
2022/08172	PROCESS FOR THE PRODUCTION OF SYNTHESIS GAS	2022/07/21
2022/08227	A FILTER PLATE FRAME ASSEMBLY, A HORIZONTAL FILTER PRESS, SUCH AS A TOWER PRESS, HAVING SUCH A PLATE FRAME ASSEMBLY, AND A METHOD OF REPLACING WORN COMPONENTS OF HORIZONTAL FILTER PRESS	2022/07/22
2022/08230	A FILTER PLATE FRAME ASSEMBLY AND A HORIZONTAL FILTER PRESS, SUCH AS A TOWER PRESS, HAVING SUCH A PLATE FRAME ASSEMBLY	2022/07/22
2022/09626	UPLINK INFORMATION BASED ON WAKE-UP SIGNAL	2022/08/29
2022/13854	FUEL COMPOSITION	2022/12/21
2023/03593	LIQUID PROTEIN FORMULATIONS CONTAINING VISCOSITY-LOWERING AGENTS	2023/03/15
2023/03754	MICROCRYSTALLINE GLASS, MICROCRYSTALLINE GLASS PRODUCT AND MANUFACTURING METHOD THEREFOR	2023/03/22
2023/04012	COATING OF MATERIALS WITH BIOSURFACTANT COMPOUNDS	2023/03/30
2023/04024	APPARATUS FOR RESIN INJECTION, MINING MACHINE AND METHOD	2023/03/30
2023/04307	SAFETY COVER FOR COUPLING WITH AN INJECTION DEVICE	2023/04/11
2023/04729	MODULATORS OF MAS-RELATED G-PROTEIN RECEPTOR X2 AND RELATED PRODUCTS AND METHODS	2023/04/24
2023/04787	ANTI-BETACELLULIN ANTIBODIES,	2023/04/25

Application Number	Patent Title	Filing Date
	FRAGMENTS THEREOF, AND MULTI-SPECIFIC BINDING MOLECULES	
2023/04831	COMBINATIONS OF TRIAZOLONE HERBICIDES WITH SAFENERS	2023/04/26
2023/04869	ORAL CARE WHITENING COMPOSITIONS	2023/04/28
2023/04940	FUNCTIONALIZED PLASMONIC NANOSTRUCTURES	2023/05/03
2023/04945	A CIRCULATING FLUIDIZED BED BOILER	2023/05/03
2023/04962	TRISPECIFIC BINDERS	2023/05/04
2023/04968	PROCESS FOR THE PRODUCTION OF A VINYL CHLORIDE-(METH)ACRYLATE COPOLYMER AND COMPOSITION COMPRISING SUCH A COPOLYMER	2023/05/04
2023/05016	SPIRO DERIVATIVES OF ALPHA-D-GALACTOPYRANOSIDES	2023/05/05
2023/05382	SYSTEMS AND METHODS FOR INDICATION OF PHASE TRACKING REFERENCE SIGNAL-DEMODULATION REFERENCE SIGNAL ASSOCIATION	2023/05/17
2023/05493	MIST INHALER DEVICES	2023/05/22
2023/05506	ORALLY DISINTEGRATING TABLET COMPRISING BENZIMIDAZOLE DERIVATIVE COMPOUND AND PREPARATION METHOD THEREOF	2023/05/22
2023/05608	DIAGNOSTIC ASSAY SYSTEM WITH REPLACEABLE PROCESSING MODULES AND REMOTE MONITORING	2023/05/24
2023/05737	SYSTEM AND METHOD FOR SCALABLE AUTOMATED MAINTENANCE OPTIMISATION	2023/05/29
2023/06185	METHOD FOR DETECTING DEFECTS OF THE HORIZONTAL MOLD SEAM FOR GLASS CONTAINERS	2023/06/12
2023/06427	HERBICIDAL MALONAMIDES	2023/06/21
2023/06995	A DISPENSING GUN FOR DELIVERING A MATERIAL FROM A CARTRIDGE	2023/07/11
2023/07025	COMPOSITIONS FOR TARGETING RECEPTOR FOR ADVANCED GLYCATION END-PRODUCTS (RAGE) IN A CHRONIC INFLAMMATORY CONDITION	2023/07/12
2023/07129	MACROCYCLES AS MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE	2023/07/17

Application Number	Patent Title	Filing Date
	REGULATOR, PHARMACEUTICAL COMPOSITIONS THEREOF, THEIR USE IN THE TREATMENT OF CYCSTIC FIBROSIS, AND PROCESS FOR MAKING THEM	
2023/07154	CYCLIC GLYCOAMINOACID DERIVATIVES	2023/07/17
2023/07189	NUTRIENT MEDIA FOR CELL CULTURE CONTAINING PLANT PROTEIN HYDROLYSATES	2023/07/18
2023/07270	COMPOSITION OF PIG POLYCLONAL ANTIBODY FOR ITS USE TO TREAT AND/OR PREVENT ANTIBODY-DEPENDENT MACROPHAGE PRO-INFLAMMATORY CYTOKINE RELEASE IN A PASSIVE ANTI-INFECTIOUS IMMUNOTHERAPY	2023/07/20
2023/07304	SUBSTITUTED CYCLIC MODULATORS OF PROTEIN PHOSPHATASE 2A (PP2A) AND METHODS USING SAME	2023/07/21
2023/07431	SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING	2023/07/26
2023/07435	SYSTEMS, APPARATUS AND METHODS FOR INTER PREDICTION REFINEMENT WITH OPTICAL FLOW	2023/07/26
2023/07449	A GUN SIGHTING AID	2023/07/26
2023/07485	METHOD FOR MANUFACTURING A SUPPORTED TANTALUM CATALYST	2023/07/27
2023/07544	APPLICATION OF CILOSTAZOL-CONTAINING COMPOSITION IN PREPARING DRUG FOR TREATING CEREBROVASCULAR DISEASE	2023/07/28
2023/07957	METHOD FOR PREPARING AN ENANTIOMERICALLY ENRICHED FORM OF 2-[2-(2-CHLOROTHIAZOL-5-YL)-2-HYDROXY-ETHYL]SULFANYL-6-HYDROXY-3-METHYL-5-PHENYL-PYRIMIDIN-4-ONE	2023/08/16
2023/08157	WEAR ELEMENT FOR A SLURRY PUMP	2023/08/23
2023/10118	NOVEL ORAL LIQUID COMPOSITIONS OF ENZALUTAMIDE AND METHOD OF MANUFACTURING THEREOF	2023/10/30
2024/00308	AUTOMATIC LABELING OF TEXT DATA	2024/01/09
2024/00360	HYBRID PILLOW	2024/01/10
2024/02069	DEVICE FOR SIMULATION OF A MOVING VEHICLE	2024/03/13
2024/02092	ELECTRONIC DETONATOR SPOOL	2024/03/13

Application Number	Patent Title	Filing Date
	AND DETONATOR COMPRISING SUCH A SPOOL	
2024/02625	ELECTRONIC DEVICE COMPRISING HEAT DISSIPATION STRUCTURE	2024/04/04
2024/02704	INTELLIGENT MONITORING SYSTEM FOR MINERAL LOADING PROCESS	2024/04/08
2024/03211	PYRAZOLOPYRIMIDINE ESTER COMPOUND	2024/04/25
2024/03321	AUTHORIZATION CONTROL METHOD AND APPARATUS FOR POWER DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2024/04/29
2024/03327	HALOGENATED PHENYLARSINE OXIDE COMPOUND AND APPLICATION THEREOF	2024/04/29
2024/03350	ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR	2024/04/30
2024/03351	ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR	2024/04/30
2024/03426	SUBSTITUTED 6-AZABENZIMIDAZOLE COMPOUNDS AS HPK1 INHIBITORS	2024/05/02
2024/03890	PHARMACEUTICAL COMPOSITION COMPRISING ADRENALINE	2024/05/20
2024/03907	MECHANISM FOR PROPELLING HUMAN-POWERED VEHICLES BY MEANS OF LEVERS THAT PIVOT ON A HORIZONTAL AXIS AND/OR TWO PARALLEL AND SYMMETRICAL VERTICAL AXES	2024/05/20
2024/04024	GUIDE SYSTEM FOR A BALL JOINT ASSEMBLY OF THERMOSOLAR PLANTS	2024/05/23
2024/04094	POLYESTER RESIN PARTICLES AND PREPARATION METHOD THEREOF, AND POWDER COATING	2024/05/27
2024/04125	BRAKE CONTROL SYSTEM FOR BATTERY-POWERED MACHINE	2024/05/27
2024/04139	TIMELINE BASED REPRESENTATION FOR HAPTIC SIGNAL	2024/05/27
2024/04271	BISPECIFIC CD16A BINDERS	2024/05/31
2024/04272	BISPECIFIC CD16A BINDERS	2024/05/31
2024/04399	FOLDABLE CONTAINER	2024/06/05
2024/04400	COMPOSITIONS COMPRISING GRAPE SKIN EXTRACTS AND METHODS OF PREPARATION AND	2024/06/05

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	USE THEREOF	
2024/04401	GRAPE SKIN COMPOSITIONS AND COMPOUNDS, AND METHODS OF PREPARATION AND USE THEREFOR	2024/06/05
2024/04430	NUCLEIC ACID SEQUENCE FOR DETECTING GLYCINE MAX PLANT DBN8205 AND DETECTION METHOD THEREFOR	2024/06/06
2024/04443	COMPOSITIONS AND METHODS FOR ORAL ADMINISTRATION	2024/06/07
2024/04464	MULTI-BLOCKS STRUCTURE AND METHOD FOR FORMING A COMPOSITE PART FROM SAID STRUCTURE	2024/06/07
2024/04480	ELECTROLYSIS APPARATUS FOR THE PRODUCTION OF IRON WITH AN IMPROVED GAS PERMEABLE ANODE PLATE	2024/06/10
2024/04577	SYSTEM AND METHOD FOR MONITORING AN APRON FEEDER	2024/06/12
2024/04769	COUPLER DEVICE FOR A BEVERAGE DISPENSING SYSTEM	2024/06/19
2024/05067	ARYLTETRAHYDROPYRIDAZINE DERIVATIVE OR SALT THEREOF AND INSECTICIDAL AGENT CONTAINING THE COMPOUND AND METHOD FOR USING SAME	2024/06/27
2024/05069	ENERGY STORAGE SYSTEM, CONTROL METHOD THEREOF, DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2024/06/27
2024/05100	ARRANGEMENT AND METHOD FOR AUTOMATICALLY DETECTING ROLLER REPLACEMENT IN BELT CONVEYORS	2024/06/28
2024/05124	DISCERNIBLE CELL SURFACE PROTEIN VARIANTS OF CD45 FOR USE IN CELL THERAPY	2024/06/28
2024/05144	GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION	2024/07/01
2024/05145	GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION	2024/07/01
2024/05146	GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION	2024/07/01
2024/05147	GLASS MELTING PROCESS WITH VERY LOW TO ZERO-CO2 EMISSION	2024/07/01
2024/05153	ENGLISH TRANSLATION TEACHING BOARD	2024/07/02

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2024/05155	A BLACKBOARD ERASER	2024/07/02
2024/05164	ABSORBENT ARTICLE	2024/07/02
2024/05189	METHOD FOR PREPARING AMINO ACID–CONTAINING PRODUCTS FROM FERMENTATION BROTH	2024/07/03
2024/05190	COMPOUNDS, TRANSITION METAL COMPLEX HYDROFORMYLATION CATALYST PRECUROR COMPOSITIONS COMPRISING SUCH COMPOUNDS, AND HYDROFORMYLATION PROCESSES	2024/07/03
2024/05191	SYSTEMS AND METHODS FOR QUEUE MANAGEMENT OF MACHINES BASED ON BATTERY-RELATED CHARACTERISTICS	2024/07/03
2024/05197	A DECORATIVE SHEET AND METHOD FOR MANUFACTURING	2024/07/03
2024/05199	LAUNDRY COMPOSITION	2024/07/03
2024/05215	TRANSMISSION METHOD AND APPARATUS FOR MIMO SYSTEM	2024/07/04
2024/05268	METHODS AND DEVICES FOR INTERACTIVE RENDERING OF A TIME-EVOLVING EXTENDED REALITY SCENE	2024/07/05
2024/05275	METHOD FOR PURIFICATION OF AT LEAST ONE AQUEOUS SOLUTION OF PHOSPHORIC ACID	2024/07/05
2024/05276	ENZYMATIC PROCESS FOR THE PREPARATION OF LACTULOSE	2024/07/05
2024/05277	ANTIVIRAL COMPOSITION COMPRISING NUCLEOSIDE ANALOGUES DERIVED FROM NUCLEIC ACID AND PHARMACEUTICALLY ACCEPTABLE SALT THEREOF	2024/07/05
2024/05279	HETEROARYL DERIVATIVE AND USE THEREOF	2024/07/05
2024/05280	USE OF 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE IN THE TREATMENT OF CONGENITAL MUSCULAR DYSTROPHIES	2024/07/05
2024/05310	LAUNDRY COMPOSITION	2024/07/08
2024/05311	A CONCENTRATED LIQUID COMPOSITION PREMIX	2024/07/08
2024/05312	A CONCENTRATED LIQUID COMPOSITION PREMIX	2024/07/08
2024/05313	A SKIN BRIGHTENING COMPOSITION	2024/07/08
2024/05345	CLAMPING DEVICE FOR CABLE CONNECTOR ASSEMBLY	2024/07/09
2024/05365	PURIFYING METHOD FOR AN ELECTROLYTE LIQUID OF A REDOX	2024/07/10

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	FLOW BATTERY	
2024/05367	PRECIPITATED SILICA AND METHODS THEREOF	2024/07/10
2024/05368	CAMPTOTHECIN COMPOUND AND CONJUGATE THEREOF	2024/07/10
2024/05370	O-PHOSPHOSERINE-PRODUCING MICROORGANISM, AND METHOD FOR PRODUCING O-PHOSPHOSERINE OR L-CYSTEINE BY USING SAME	2024/07/10
2024/05387	ISOMERIC MIXTURE OF REACTIVE DYES AND THEIR USE FOR THE DYEING OR PRINTING OF TEXTILE FIBRE MATERIALS	2024/07/10
2024/05397	CONTACT LENS COMPRISING A LENTICULAR IN A SUPERIOR PORTION OF THE CONTACT LENS	2024/07/11
2024/05421	SYSTEM AND METHOD FOR ENERGY AND RESOURCE EXTRACTION WITH REDUCED EMISSIONS	2024/07/11
2024/05457	METHOD FOR THE PRODUCTION OF A GLASS-METAL ATTACHMENT	2024/07/12
2024/05461	IMPROVED METHOD AND SYSTEM FOR RECLAIMING THE INDIVIDUAL COMPONENTS OF A SYNTHETIC OR ARTIFICIAL TURF PRODUCT	2024/07/12
2024/05463	PLATE WITH OPENING AID FOR CANS	2024/07/12
2024/05500	WHOLE CANE HARVESTING EQUIPMENT AND RELATED DEVICES	2024/07/15
2024/05501	A FOAMING ACIDIC HARD SURFACE CLEANING COMPOSITION	2024/07/15
2024/05521	PLANAR STATOR CONFIGURATIONS FOR AXIAL FLUX MACHINES	2024/07/16
2024/05569	COMPACT FORCE APPLYING DEVICE	2024/07/17
2024/05601	PROCESS FOR PREPARING A HIGH-PURITY NICKEL SULPHATE SOLUTION	2024/07/18
2024/05639	TRIAZOLONE DERIVATIVE SALT AS NEUTROPHIL ELASTASE INHIBITOR	2024/07/19
2024/05641	RECOVERING RARE EARTH ELEMENTS	2024/07/19
2024/05678	SIGNALING GENERAL CONSTRAINTS INFORMATION FOR VIDEO CODING	2024/07/22
2024/05720	HETEROAROMATIC NITROGEN-OXIDE COMPOUND, PREPARATION	2024/07/24

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	METHOD THEREFOR, AND USE THEREOF	
2024/05734	APPARATUS AND METHOD FOR GAS-LIQUID SEPARATION OF A FISCHER-TROPSCH REACTOR OUTLET STREAM	2024/07/24
2024/05738	METHOD FOR PRODUCING AN INORGANIC FILTRATION MEDIUM THROUGH INTERMESHING AND OBTAINED MEMBRANE	2024/07/24
2024/05765	ELECTRONIC DEVICE AND OPERATION METHOD THEREOF	2024/07/25
2024/05766	RECONSTRUCTION OF A PATIENT-SPECIFIC CENTRAL ARTERIAL PRESSURE WAVEFORM MORPHOLOGY FROM A DISTAL NON-INVASIVE PRESSURE MEASUREMENT	2024/07/25
2024/05788	METHOD AND DEVICE FOR EVALUATING STABILITY OF SODA RESIDUE DAM BODY	2024/07/26
2024/05789	BLOOD-BRAIN BARRIER PERMEABLE FUSION PROTEIN AND USES THEREOF	2024/07/26
2024/05839	DEVICE AND METHOD FOR THE EXTRUSION MANUFACTURE OF A POROUS SUPPORT WITH A RECTILINEAR CENTRAL CHANNEL AND NON-RECTILINEAR CHANNELS	2024/07/29
2024/05840	A HYGIENE COMPOSITION	2024/07/29
2024/05847	A SKIN BRIGHTENING COMPOSITION	2024/07/29
2024/05869	ANGIOPOIETIN-LIKE 3 (ANGPTL3) IRNA COMPOSITIONS AND METHODS OF USE THEREOF	2024/07/30
2024/05883	SYSTEMS AND METHODS FOR PROVIDING LOW RISK ASSET-BASED INVESTMENT PRODUCTS	2024/07/30
2024/05885	PROCESS FOR THE RECOVERY OF LI, NI AND CO	2024/07/30
2024/05886	HYDRAULIC IMPACT MECHANISM FOR USE IN EQUIPMENT FOR PROCESSING ROCK AND CONCRETE	2024/07/30
2024/05905	FAUSTOVIRUS CAPPING ENZYME, MRNA CAPPING ENZYME COMPOSITIONS, METHODS AND KITS	2024/07/31
2024/05914	NOVEL ISOINDOLINONE DERIVATIVE COMPOUNDS AS CASPASE INHIBITORS	2024/07/31
2024/05933	METHOD OF PRODUCING LIQUID HYDROCARBONS FROM A SYNGAS	2024/07/31

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2024/06097	SECURITY GATE/BARRIER	2024/08/08
2024/06157	CAP FOR A LIQUID CONTAINER	2024/08/12
2024/06173	MARKERS ASSOCIATED WITH SPONTANEOUS CHROMOSOME DOUBLING	2024/08/12
2024/06313	LASER-MARKABLE SEALING COMPOUNDS WITH OXYGEN ABSORBERS	2024/08/16
2024/06384	ANTIBODY AGAINST HER3, CONJUGATE AND USE THEREOF	2024/08/20
2024/06448	DEPLOYABLE RETRACTOR	2024/08/22
2024/06722	AN OUTLET ASSEMBLY FOR ARRANGEMENT AT A WALL OPENING IN AN OUTER WALL OF A DISPENSER FOR WEB-SHAPED ABSORBENT MATERIAL	2024/08/30
2024/07066	PHYTO-ANALYSIS SENSOR	2024/09/13
2024/07209	A MARTENSITIC STEEL SHEET AND A METHOD OF MANUNFACTURING THEREOF	2024/09/20
2024/07210	HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2024/09/20
2024/07249	BINDER AND MANUFACTURING METHODS	2024/09/23
2024/07295	DEVICE AND METHOD FOR COOLING ROLLS USED FOR ROLLING IN A HIGHLY TURBULENT ENVIRONMENT	2024/09/25
2024/07364	A HOUSING	2024/09/27
2024/07633	HOT ROLLED STEEL AND A METHOD OF MANUFACTURING THEREOF	2024/10/08
2024/07654	METHOD TO AUTOMATICALLY POSITION BLANKS IN A STRIP AND TO CALCULATE THE ASSOCIATED SCRAP RATIO	2024/10/09
2024/07655	METHOD TO OPTIMIZE THE NESTING OF TWO BLANKS WITHIN A LONGITUDINALLY EXTENDING FLAT STRIP	2024/10/09
2024/07657	PROCESS AND APPARATUS FOR INCREASING INTRINSIC VISCOSITY OF POLYCONDENSATES	2024/10/09
2024/07661	HEAD LICE TREATMENT	2024/10/09
2024/07663	SEALING INSERTS FOR CROWN CORKS WITH REDUCED METAL-SHEET THICKNESS	2024/10/09
2024/08061	BENZOTRIAZOLE COMPOUND	2024/10/24
2024/08241	INTEGRATION OF HIGH FREQUENCY AUDIO RECONSTRUCTION TECHNIQUES	2024/10/31

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2024/08363	BICYCLIC TETRAHYDROTHIAZEPINE DERIVATIVES	2024/11/05
2024/08364	LIQUID-DISPERSIBLE HALOPYRUVATE FORMULATIONS AND ASSOCIATED METHODS	2024/11/05
2024/08588	A HAIR CARE APPARATUS	2024/11/12
2024/08620	MICROBIAL PREPARATION FOR PROMOTING ORYZA SATIVA ROOTING AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF	2024/11/13
2024/08697	PETROCHEMICAL HORIZONTAL PRESSURE VESSEL	2024/11/15
2024/08883	SMART AGRICULTURAL MONITORING DEVICE BASED ON 5G	2024/11/21
2024/09228	CONTAINER WITH HANDLE AND LATCHING SYSTEM	2024/12/02
2024/09302	METHOD OF PREPARING A MASTOCARPUS STELLATUS EXTRACT	2024/12/04
2024/09453	ZIRCONIA PHASE TRANSITION-BASED TOUGHENED BASALT FIBER AND PREPARATION METHOD THEREOF	2024/12/09
2024/09636	ENGINEERED ANTI-IL-2 ANTIBODIES	2024/12/13
2024/09704	SAND SCREENING DEVICE FOR HIGH EFFICIENCY CIVIL ENGINEERING EXPERIMENT	2024/12/17
2024/09778	CONSTRUCTION MANAGEMENT SYSTEM AND METHOD	2024/12/18
2024/09940	SYSTEMS AND METHODS OF ALIGNMENT CONTROL FOR NEUROMODULATION DELIVERY SYSTEM	2024/12/20
2025/00100	ANTIBODIES TARGETING INTEGRIN BETA-2	2025/01/02
2025/00111	NON-METAL LINER AND ELECTRIC WATER HEATER HAVING SAME	2025/01/02
2025/00116	ANTI-CLDN18.2 ANTIBODY, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF	2025/01/02
2025/00286	APPLICATOR FOR APPLYING COATING MEDIUM TO SUBSTRATES	2025/01/08
2025/00287	CRYSTALLINE FORMS OF 1,2,4-OXADIAZOLE FUNGICIDES	2025/01/08
2025/00288	METHOD FOR REDUCING CHLOROFLUOROCARBON IMPURITIES IN THE MANUFACTURE	2025/01/08

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	OF TRANS-1,3,3,3-TETRAFLUOROPROPENE (HFO-1234ze(E))	
2025/00439	THERAPEUTIC COMPOUNDS FOR HIV VIRUS INFECTION	2025/01/14
2025/00506	β-GLUCAN-RICH *SACCHAROMYCES CEREVISIAE* YEAST CELL WALL EXTRACT IN THE PREVENTION OR TREATMENT OF A DISEASE ASSOCIATED WITH OR CAUSED BY A *LAWSONIA INTRACELLULARIS* INFECTION	2025/01/15
2025/00590	A VEIN DETECTION SYSTEM USING PULSE OXIMETER	2025/01/17
2025/00612	COVER ASSEMBLY FOR TRUCK BED	2025/01/17
2025/00613	COVER ASSEMBLY FOR TRUCK BED	2025/01/17
2025/00614	KITS FOR A TRUCK BED COVER ASSEMBLY	2025/01/17
2025/00618	COVER ASSEMBLY FOR TRUCK BED	2025/01/17
2025/00642	SYSTEM AND METHOD FOR METEOROLOGICAL MODELLING	2025/01/20
2025/00745	COMBINATION IMMUNORESPONSE REGULATOR/IMMUNOTHERAPY SYSTEM AND METHOD	2025/01/22
2025/00780	A SPECTROSCOPIC DETECTION METHOD AND DEVICE FOR ILLEGAL ADDITIVES IN GASOLINE	2025/01/23
2025/00829	LIFTING ASSEMBLY FOR DUST CURTAIN OF WORK MACHINE	2025/01/24
2025/00830	Restraining System	2025/01/24
2025/00833	A METHOD FOR CALIBRATION OF THREE-DIMENSIONAL DEPTH MODALITY DEVIATIONS IN PAVEMENT SURFACES	2025/01/24
2025/00834	METHOD AND DEVICE FOR EVALUATING SKID RESISTANCE PERFORMANCE OF ASPHALT PAVEMENT BASED ON MULTI-FACTOR COUPLING	2025/01/24
2025/00835	METHOD AND DEVICE FOR REPAIRING THREE-DIMENSIONAL POINT CLOUD DATA OF ASPHALT PAVEMENT TEXTURE	2025/01/24
2025/00836	NEW REAL-TIME DETECTION METHOD FOR FOOD FOREIGN MATTER BASED ON FLEXIBLE FEATURE MATCHING LEARNING	2025/01/24
2025/00858	REDUCING SYSTEM ENERGY REQUIREMENTS THROUGH FLUID	2025/01/24

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	MANIPULATION TO OVERCOME CAPILLARY FORCES OF GAS BUBBLE FORMATION ON REACTIVE SURFACES	
2025/00859	SYSTEM AND METHOD FOR REFURBISHING A WIND TURBINE	2025/01/24
2025/00860	PHARMACEUTICAL COMPOSITION FOR RESISTING INFECTION WITH SARS-COV-2 OR MUTANT THEREOF, AND COMBINED DRUG THEREOF	2025/01/24
2025/00861	SULFOXIMINE COMPOUND HAVING FGFR INHIBITORY EFFECT, PHARMACEUTICAL COMPOSITION COMPRISING SAME, AND USE THEREOF	2025/01/24
2025/00867	HOT-ROLLED COMPLEX-PHASE STEEL WITH 800-MPA-GRADE TENSILE STRENGTH AND MANUFACTURING METHOD THEREFOR	2025/01/24
2025/00892	ADJUSTABLE GARMENT	2025/01/27
2025/00896	APPARATUS AND METHOD OF DEPLOYING A PIPE WITHIN A BOREHOLE	2025/01/27
2025/00925	RETAILER CASH HANDLING SYSTEM AND METHOD	2025/01/28
2025/00936	CONTINUOUS PRODUCTION OF DRIED MALTED GRAINS	2025/01/28
2025/00974	RESOURCE CONFIGURATION METHOD AND COMMUNICATION APPARATUS	2025/01/29
2025/00977	100 KG-GRADE ULTRAHIGH-STRENGTH GALVANIZED STEEL SHEET AND MANUFACTURING METHOD THEREFOR	2025/01/29
2025/00978	120-KG-GRADE ULTRAHIGH-STRENGTH GALVANIZED STEEL SHEET AND MANUFACTURING METHOD THEREFOR	2025/01/29
2025/00997	BENZOXAZEPIN OXAZOLIDINONE COMPOUNDS AND METHODS OF USE	2025/01/30
2025/00999	ONE-TUBE RT-QPCR FULLY PREMIXED REACTION REAGENT, USE, AND RT-QPCR METHOD	2025/01/30
2025/01001	MIXING CHAMBER	2025/01/30
2025/01018	OPTICAL FIBER CABLE AND SYSTEM AND METHOD OF DISTRIBUTING ULTRA HIGH POWER USING THE SAME	2025/01/31
2025/01038	INFORMATION PROCESSING DEVICE AND METHOD	2025/01/31

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2025/01044	PDE4B INHIBITOR AND USE THEREOF	2025/01/31
2025/01077	ASSEMBLY FOR THE CONVEYANCE AND UNLOADING OF FRUIT AND VEGETABLE PRODUCTS	2025/02/03
2025/01088	PRESSURE REDUCER ASSEMBLY	2025/02/04
2025/01093	HYDRAULIC HOSE LOOM ASSEMBLY	2025/02/04
2025/01123	HETEROCYCLIC COMPOUND CAPABLE OF INHIBITING PRMT5•MTA AND USE THEREOF	2025/02/05
2025/01128	HSL PROTEIN, GENE, VECTOR, CELL, COMPOSITION AND USE THEREOF, AND METHOD FOR IMPROVING HERBICIDE RESISTANCE OF CROPS	2025/02/05
2025/01153	A METHOD FOR MULTI-LEVEL TONAL ADAPTIVE SCANNING IN AN EXTENDED RANGE OF SOUND FREQUENCIES	2025/02/06
2025/01154	SALES DATA MONITORING AND PROCESSING SYSTEM AND METHOD	2025/02/06
2025/01155	SALES MANAGEMENT SYSTEM AND METHOD FOR OEMS	2025/02/06
2025/01230	LIQUID RING VACUUM SYSTEM	2025/02/10
2025/01232	A VOTING SYSTEM USING BLOCKCHAIN	2025/02/10
2025/01233	AN EXCESS SHOPPING PROVOKER TROLLY SYSTEM	2025/02/10
2025/01234	AN ADVANCED MAZE-SOLVING ROBOT WITH AUTONOMOUS NAVIGATION	2025/02/10
2025/01235	AN IMAGE ENCRYPTION SYSTEMS AND METHODS USING STEGANOGRAPHY AND XOR OPERATIONS	2025/02/10
2025/01236	A COALMINE EMISSIONS EXPLORER SYSTEM	2025/02/10
2025/01237	AN ADVANCED POWER CONTROL SYSTEM	2025/02/10
2025/01240	ASPHALT MIXTURE GRADATION OPTIMIZATION METHOD BASED ON FRACTAL DIMENSIONS OF MINERAL AGGREGATE	2025/02/10
2025/01244	AN IMPROVED PROCESS FOR PREPARING ANTIVIRAL PHOSPHONATE ANALOGUES	2025/02/10
2025/01263	BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND USES THEREOF	2025/02/11
2025/01281	ALUMINUM-SILICON-PLATED STEEL	2025/02/11

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	PLATE AND THERMOFORMED COMPONENT, AND MANUFACTURING METHODS THEREFOR	
2025/01316	FULLY AUTOMATIC ATTACHING TYPE LASER DIE-CUTTING APPARATUS AND PROCESS	2025/02/12
2025/01323	POLYMORPHIC FORM OF GLP-1R AGONIST, PREPARATION METHOD THEREFOR AND USE THEREOF	2025/02/12
2025/01335	IMAGE DECODING METHOD AND APPARATUS BASED ON NEURAL NETWORK, IMAGE ENCODING METHOD AND APPARATUS BASED ON NEURAL NETWORK, AND DEVICE THEREOF	2025/02/12
2025/01380	POWER BAND FIXATOR FOR GYM RACK	2025/02/14
2025/01387	WATER SAMPLING DEVICE FOR EXTRACTING GAS FROM WATER	2025/02/14
2025/01390	VALVE UNIT	2025/02/14
2025/01397	POWER BAND FIXATOR FOR POWER RACK	2025/02/14
2025/01399	A CALCULATION METHOD AND SYSTEM FOR AIRFLOW-ICE CRYSTAL COUPLED INTERACTION IN A COMPRESSOR	2025/02/14
2025/01408	METHOD AND SYSTEM FOR THE AUTOMATED DETECTION OF CONVEYOR BELT FAULTS	2025/02/14
2025/01471	PREPARATION AND USE OF QUINAZOLINONE DERIVATIVE AS KINASE INHIBITOR	2025/02/17
2025/01497	METAL SURFACE DEFECT DETECTION DEVICE	2025/02/18
2025/01541	A DETERMINATION METHOD OF CRITICAL VALUE OF KEY PARAMETERS IN GROUND TEST OF ICE CRYSTAL ICING OF ENGINE COMPONENTS	2025/02/19
2025/01576	AN ADJUSTABLE BRACKET	2025/02/20
2025/01583	COMPOUNDS AND METHODS FOR THE TARGETED DEGRADATION OF ANDROGEN RECEPTOR	2025/02/20
2025/01603	AN R-TYPE LARYNGEAL STENOSIS EXPANSION STENT WITH AN INNER SLEEVE	2025/02/21
2025/01610	CRAWLER-TYPE INTELLIGENT FIRE SUPPRESSION EQUIPMENT FOR THREE-SOFT COAL SEAM WITH MUD-DESTABILIZED ROADWAY FLOOR	2025/02/21

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2025/01644	VAGINAL FUNCTION EXERCISER	2025/02/24
2025/01671	METHODS OF TREATING GRAVES' DISEASE USING ANTI-FCRN ANTIBODIES	2025/02/24
2025/01680	METHODS OF TREATING CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY USING ANTI-FCRN ANTIBODIES	2025/02/24
2025/01704	A PRODUCTION APPARATUS FOR A DEGRADABLE COMPOSITE ABSORPTION CORE	2025/02/25
2025/01705	SELF-CONTROLLED MOVABLE AGRICULTURAL PRODUCTION FACILITY	2025/02/25
2025/01731	VEHICLE NAVIGATION SYSTEM	2025/02/25
2025/01735	SCREW CAPTURE SYSTEM FOR CALCANEAL FRACTURE	2025/02/25
2025/01745	SMART AUTOMATED PARKING SYSTEM USING QR CODE, CCTV MONITORING, AND FOG COMPUTING	2025/02/26
2025/01746	AN INTERNAL COMBUSTION ENGINE	2025/02/26
2025/01795	ACETYLATED PORIA COCOS POLYSACCHARIDE AND ITS PREPARATION METHOD AND APPLICATION	2025/02/27
2025/01796	A SMOKELESS MOXIBUSTION DEVICE	2025/02/27
2025/01797	A WALNUT MOXIBUSTION DEVICE FOR MYOPIA	2025/02/27
2025/01803	ASSAY FOR DETERMINATION OF FUNCTIONAL IMMUNITY AGAINST SALMONELLA	2025/02/27
2025/01809	METHOD FOR THE PURIFICATION OF CAPSULAR POLYSACCHARIDES	2025/02/27
2025/01840	PLANT EXTRACTS ENRICHED WITH IPOLAMIIDE DERIVATIVES AS IMMUNOSUPPRESSANTS FOR TREATING IMMUNOLOGICAL DISORDERS	2025/02/28
2025/01845	FLUE-CURED TOBACCO PREPARED USING THE "SIX STEPS AND THREE KEY POINTS" CURING PROCESS IN BULK CURING BARNS	2025/02/28
2025/01846	PSYCHOLOGICAL COUNSELING AND RELAXATION EXERCISE DEVICE	2025/02/28
2025/01855	A METHOD OF ADAPTIVE INVERSE TONAL AUDIBILITY LEVEL SCREENING	2025/02/28

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2025/01904	A METHOD FOR ANALYZING THE NUTRITIONAL COMPONENTS OF SILAGE FEED	2025/03/03
2025/01926	A CULTIVATION METHOD FOR LIMONIUM AUREUM SEEDLINGS	2025/03/04
2025/01931	DELIVERY DEVICE FOR PRODUCING SECONDARY ZINC OXIDE	2025/03/04
2025/01935	A STOVE	2025/03/04
2025/01936	A MEDICAL COLLEGE ADMISSION RECOMMENDATION SYSTEM BASED ON ENTRANCE EXAM SCORES	2025/03/04
2025/01937	A SMART GLASS WITH AI-BASED HAND GESTURE RECOGNITION FOR SCREEN CONTROL	2025/03/04
2025/01938	A WEARABLE ID CARD WITH REAL-TIME GESTURE RECOGNITION AND AUDIO FEEDBACK	2025/03/04
2025/01939	AN AUTOMATED ANIMAL DETECTION FOR CROP PROTECTION SYSTEM	2025/03/04
2025/01940	A PORTABLE SOLAR POWER BANK WITH MOBILE STAND FOR CHARGING MOBILE DEVICES AND ACCESSORIES	2025/03/04
2025/01941	A SYSTEM FOR READING ANALOG METER GAUGES AND ACTIVATING ALERTS UPON EXCEEDING PREDEFINED LIMITS USING COMPUTER VISION TECHNIQUES	2025/03/04
2025/01942	AN IOT BASED IDENTIFICATION OF FUNGAL DISEASE IN NUTMEG LEAVES USING A MACHINE LEARNING APPROACH	2025/03/04
2025/01943	A PRESSURE COOKER WHISTLES COUNTING AND REGULATING THE INDUCTION STOVE DEVICE	2025/03/04
2025/01944	AN IOT-BASED PREDICTIVE MAINTENANCE SYSTEM FOR PROACTIVE EQUIPMENT MANAGEMENT IN HEALTHCARE	2025/03/04
2025/01945	AN AUTOMATED GAS STOVE KNOB ATTACHMENT FOR REMOTE AND ACCESSIBLE CONTROL	2025/03/04
2025/01953	MASKING POLYPEPTIDE, ACTIVATABLE NOVEL PRODRUGS AND METHODS OF USE THEREOF	2025/03/04
2025/01967	BLOOD AND ANIMAL COMPONENT-FREE MEDIA AND A FERMENTATION METHOD FOR PRODUCING BACTERIAL POLYSACCHARIDES THEREFROM	2025/03/05

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2025/01977	A SOILLESS FARMING SYSTEM	2025/03/05
2025/01978	AN AI AND ML DRIVEN HANDWRITING AND GESTURE INTERFACE	2025/03/05
2025/01979	A SMART NAVIGATION SYSTEM	2025/03/05
2025/01980	A VEHICLE-TO-EVERYTHING (V2X) COMMUNICATION SYSTEM FOR ENHANCED ROAD SAFETY	2025/03/05
2025/01981	AN INTELLIGENT SCARECROW SYSTEM POWERED BY DEEP LEARNING	2025/03/05
2025/01982	A SENSOR-BASED AUTOMATED FLUSH AND FRAGRANCE DISPENSING SYSTEM FOR PUBLIC RESTROOMS	2025/03/05
2025/01983	AN INTELLIGENT MEDICATION REMINDER BAND WITH INTEGRATED AI ASSISTANT	2025/03/05
2025/02006	DEVICE FOR THE RAPID TRANSFER OF THERMAL ENERGY, METHOD FOR THE REALIZATION OF THE SAID DEVICE AND SYSTEM FOR THE PRODUCTION OF ZERO-EMISSIONS ELECTRICITY FROM OTHER RENEWABLE SOURCES INTEGRATED WITH THE SAID DEVICE	2025/03/05
2025/02012	A METHOD AND SYSTEM FOR REMOTE CHLOROPHYLL DETECTION AND DETERMINATION OF MEASUREMENT REGIONS FOR CHLOROPHYLL DIRECT MEASUREMENT	2025/03/05
2025/02033	LIPID COMPOSITION TARGETING ANTIGEN-PRESENTING CELLS AND USE THEREOF	2025/03/06
2025/02035	APPLICATION OF NINE STEAMING NINE DRYING RHEUM PALMATUM L. IN PREPARING MEDICINE FOR TREATING ACUTE CEREBRAL ISCHEMIA INJURY	2025/03/06
2025/02037	SYSTEM AND METHOD FOR AWARDING CUSTOMER LOYALTY BENEFITS	2025/03/06
2025/02039	PHOTOVOLTAIC CLEANING ROBOT	2025/03/06
2025/02056	DRILLING SYSTEM WITH ANNULAR FLUSH SEPARATION DEVICE AND METHOD	2025/03/06
2025/02063	DRAIN VALVE	2025/03/07
2025/02065	MEASURING DEVICE FOR CONSTRUCTIONAL ENGINEERING QUALITY INSPECTION	2025/03/07
2025/02067	PORTABLE ENGLISH LITERATURE	2025/03/07

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	TRANSLATION DEVICE	
2025/02068	SUPPORTED PRECIOUS METAL HYDROCRACKING CATALYST AND PREPARATION METHOD THEREFOR	2025/03/07
2025/02069	A SINGLE DOMAIN ANTIBODY TARGETING PROGRAMMED DEATH-LIGAND 1 FOR CANCER IMMUNOTHERAPY	2025/03/07
2025/02070	INTELLIGENT CONSTRUCTION INTEGRATED MANAGEMENT PLATFORM	2025/03/07
2025/02071	AN INTELLIGENT URBAN PLANNING SYSTEM AND METHOD BASED ON GEOGRAPHIC INFORMATION	2025/03/07
2025/02072	A COMPUTER NETWORK ADAPTER	2025/03/07
2025/02073	A SNOW REMOVAL DEVICE FOR PRAIRIE CLIMATE CHANGE RESEARCH	2025/03/07
2025/02077	DEEP LEARNING BASED TEMPERATURE ANOMALY WARNING SYSTEM FOR BARRIER ROBOTS	2025/03/07
2025/02083	INTERACTIVE ENGLISH ONLINE COURSE TEACHING PLATFORM	2025/03/07
2025/02085	PNEUMATIC DRIVEN BIOMIMETIC MULTI MUSCULAR EXOSKELETON SYSTEM AND CONTROL METHOD THEREOF	2025/03/07
2025/02092	BRACKET MOUNT FOR THERMAL IMAGING DEVICE	2025/03/07
2025/02093	A STRIP ROTARY TILLAGE STUBBLE-CLEANING AND SEEDING MACHINE AND ITS SEEDING METHOD	2025/03/07
2025/02094	MINING AREA PANORAMIC SCANNING-TYPE COAL FIRE DETECTION AND DISASTER EARLY WARNING AND PREVENTION DEVICE	2025/03/07
2025/02095	ADAPTIVE INTELLIGENT COAL FIRE DETECTION AND DISASTER CLASSIFICATION EXTINGUISHING LINKAGE DEVICE	2025/03/07
2025/02115	SOLIDAGO CANADENSIS L. ALLELOPATHIC METABOLITE INTELLIGENT SORTING AND EXTRACTION SYSTEM	2025/03/10
2025/02120	RELAY PROTECTION CIRCUIT FOR BMS	2025/03/10
2025/02121	PROKARYOTIC EXPRESSION PLASMID FOR RECOMBINANT FELINE MACROPHAGE-COLONY	2025/03/10

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	STIMULATING FACTOR (FM-CSF), METHOD OF CONSTRUCTING SAME AND USE THEREOF	
2025/02122	EUKARYOTIC EXPRESSION PLASMID FOR RECOMBINANT PORCINE MACROPHAGE-COLONY STIMULATING FACTOR (PM-CSF), METHOD OF CONSTRUCTING SAME AND USE THEREOF	2025/03/10
2025/02123	UNIFIED IDENTITY MANAGEMENT METHOD AND SYSTEM BASED ON ADAPTER PATTERN	2025/03/10
2025/02125	A NON-INVASIVE DEVICE AND METHOD FOR DETECTING RNA ASSOCIATED DISEASE	2025/03/10
2025/02143	URBAN SPONGE UNDERGROUND DRAINAGE AND WATER STORAGE SYSTEM FOR FLOOD AND DROUGHT CONTROL	2025/03/11
2025/02144	DEPTH ADJUSTMENT APPARATUS FOR PRECISION WHEAT SEEDER	2025/03/11
2025/02145	DOUBLE DETECTION REAGENT KIT FOR BORDER DISEASE VIRUS AND APPLICATION	2025/03/11
2025/02146	CONSTRUCTION METHOD CAPABLE OF REALIZING ENERGY SAVING RATE OF 80 PERCENT FOR GREEN RESIDENTIAL BUILDINGS	2025/03/11
2025/02147	A TERNARY CARBON AEROGEL FOR THE EFFICIENT REMOVAL OF 4-NITROPHENOL (4-NP) AND ITS PREPARATION METHOD	2025/03/11
2025/02148	METHOD FOR ANALYZING AND PREDICTING DEPRESSION PROGNOSIS EVOLUTION BASED ON MULTI-HEAD ATTENTION MECHANISM	2025/03/11
2025/02149	A SIDE DOOR HINGE WITH ENHANCED OPENING ANGLE FOR VEHICLES	2025/03/11
2025/02150	METHOD AND SYSTEM FOR FABRICATION AND PERFORMANCE TESTING OF LAYERED BEARING STRUCTURE IN ROADWAY SURROUNDING ROCK	2025/03/11
2025/02151	A SMART IOT-BASED SYSTEM TO OPTIMIZE AGRICULTURAL EFFICIENCY AND RESOURCE UTILIZATION	2025/03/11
2025/02155	MICROSPHERE FORMULATION FOR NUCLEIC ACID AMPLIFICATION, AMPLIFICATION METHOD, AND USE IN JOINT	2025/03/11

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	DETECTION	
2025/02159	DESERT GREENHOUSE CONTROL METHOD AND SYSTEM	2025/03/11
2025/02180	STRETCH HOOD WRAPPING SYSTEM	2025/03/11
2025/02193	MULTI-LAYER NONWOVEN PRODUCTION EQUIPMENT CAPABLE OF ADJUSTING CONVEYOR BELT	2025/03/12
2025/02195	MACROCYCLIC BROAD SPECTRUM ANTIBIOTICS	2025/03/12
2025/02201	INTRUSION DETECTOR BASED ON MICROLENS ARRAY AND SINGLE-PIXEL IMAGING	2025/03/12
2025/02210	METHOD FOR PREDICTING CORONARY HEART DISEASE RISK ON BASIS OF WORD SEGMENTATION-WORD VECTOR CONVERSION-BINARY CLASSIFICATION	2025/03/12
2025/02219	ACCURATE MEASUREMENT OF SPECTRAL REFLECTIVITY OF FLOTATION FROTH BUBBLES	2025/03/12
2025/02226	BACKPACK WITH MULTIMEDIA DEVICE	2025/03/12
2025/02227	METHOD AND SYSTEM FOR THE AUTOMATED DETECTION OF CONVEYOR BELT FAULTS	2025/03/12
2025/02237	METHOD AND APPARATUS FOR ESTIMATING THREE-DIMENSIONAL DEFORMATION IN SURFACES OF MINING SUBSIDENCES, DEVICE, MEDIUM, AND PRODUCT	2025/03/13
2025/02238	INTELLIGENT DISPLAY STAND FOR ANALYZING MATHEMATICAL PROBLEMS	2025/03/13
2025/02239	METHOD FOR RAPID IDENTIFICATION OF QINAN AQUILARIA SINENSIS AND COMMON AQUILARIA SINENSIS BASED ON SEEDLING LEAF PHENOTYPES	2025/03/13
2025/02240	RAPID DETECTION DEVICE FOR MOLECULAR MARKERS IN MOLECULAR BREEDING	2025/03/13
2025/02241	EFFICIENT RECOVERY METHOD OF COPPER FROM SULFATED ROASTING ACID LEACHING RESIDUE OF CHALCOCITE COPPER CONCENTRATE	2025/03/13
2025/02242	TRACKING METHOD AND DEVICE	2025/03/13
2025/02246	TENSIONING DEVICE	2025/03/13

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2025/02252	NETWORK MANAGEMENT METHOD, APPARATUS, AND SYSTEM FOR SMART MANHOLE COVER TERMINAL	2025/03/13
2025/02268	A VISUALIZED ENDOTRACHEAL TUBE STRUCTURE WITH A SLIDING OROPHARYNGEAL AIRWAY	2025/03/13
2025/02269	BIONIC PERIODONTAL BONE DEFECT SIMULATION AND REPAIR INTEGRATED DEVICE	2025/03/14
2025/02270	OUTDOOR REMOTE SENSING MULTIFUNCTIONAL SURVEYING AND MAPPING DEVICE	2025/03/14
2025/02272	METHOD FOR RAPID IDENTIFICATION OF QINAN AQUILARIA SINENSIS AND COMMON AQUILARIA SINENSIS BASED ON SEEDLING TISSUE DISSECTION	2025/03/14
2025/02273	LANDSLIDE MONITORING DEVICE AND METHOD BASED ON MULTI-SYSTEM GNSS REAL-TIME DYNAMIC MONITORING ALGORITHM	2025/03/14
2025/02274	MOISTURE PROOF STRUCTURE FOR ELECTRICAL AUTOMATION CONTROL CABINET	2025/03/14
2025/02284	ELECTRONIC MECHANICAL COMPONENT WELDING EQUIPMENT	2025/03/14
2025/02285	AUXILIARY EYE DROPPING EQUIPMENT	2025/03/14
2025/02286	LEG FIXATION DEVICE	2025/03/14
2025/02288	SIT-UP TRAINING DEVICE FOR SPORTS	2025/03/14
2025/02289	METHOD FOR PREPARING EU-SB-NB FE SITE CO-DOPED AND N-DOPED C COATED MODIFIED REGENERATED WASTE FERROUS LITHIUM PHOSPHATE CATHODE MATERIAL	2025/03/14
2025/02290	PROCESSING METHOD FOR COMPREHENSIVELY UTILIZING APPLES WITH HIGH ADDED VALUE	2025/03/14
2025/02291	SCENE CHANGE DETECTION METHOD	2025/03/14
2025/02292	CHINESE MEDICINAL COMPOSITION FOR TONIFYING THE SPLEEN AND BENEFITING THE STOMACH AND ITS PREPARATION METHOD	2025/03/14
2025/02293	SEMANTIC REPRESENTATION-BASED AUXILIARY DIAGNOSTIC	2025/03/14

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	SYSTEM FOR DEPRESSIVE DISORDER	
2025/02295	GENETICALLY MODIFIED NON-HUMAN ANIMALS AND METHODS FOR PRODUCING HEAVY-CHAIN ANTIBODIES	2025/03/14
2025/02301	PROTECTION DEVICE FOR SINGLE-CHIP MICROCOMPUTER IN ELECTRICAL EQUIPMENT	2025/03/14
2025/02327	INDUSTRIAL WASTE RESIDUE HIGH-ENTROPY DOPED CATHODE MATERIAL AND ITS PREPARATION METHOD AND APPLICATION	2025/03/17
2025/02328	A BASE FOR INSTALLING AIRPORT RUNWAY CURB LIGHTS	2025/03/17
2025/02329	A SOIL DETECTION DEVICE AND SOIL DETECTION METHOD	2025/03/17
2025/02330	AN OPHTHALMIC MEDICATION DEVICE FOR OPHTHALMIC DEPARTMENTS	2025/03/17
2025/02331	LAYERED CHARGING DEVICE FOR SECONDARY ZINC OXIDE PRODUCTION	2025/03/17
2025/02332	UNIVERSAL EXTERNAL HEPATOBILIARY-PANCREATIC DRAINAGE DEVICE	2025/03/17
2025/02333	VIDEO MONITORING LIGHT SUPPLEMENTING DEVICE FOR A HIGHWAY	2025/03/17
2025/02336	A BLOCKCHAIN-ENABLED RFID AUTHENTICATION SYSTEM FOR SECURE PATIENT IDENTITY AND ACCESS CONTROL IN HEALTHCARE ENVIRONMENTS, AND A METHOD THEREOF	2025/03/17
2025/02338	ANIMAL-PLANT PROTEIN ORGANIC FERTILIZER FOR IMPROVING SOIL MICRO-ECOLOGICAL ENVIRONMENT AND PREPARATION AND USING METHODS THEREOF	2025/03/17
2025/02339	QUANTUM RADAR EXPERIMENTAL DEVICE BASED ON MICRO-MACRO QUANTUM ENTANGLED STATE	2025/03/17
2025/02340	SOLAR THERMODYNAMIC POWER GENERATOR	2025/03/17
2025/02341	EFFICIENT MULTI-PITCH CRICKET SYSTEM HAVING SUB-CYLINDRICAL BUFFER DROP-IN SUB-SOIL LAYER WITH ADVERTISING POTENTIAL	2025/03/17
2025/02345	VIRUS NUCLEIC ACID SAMPLE DILUENT, VIRUS NUCLEIC ACID SAMPLE EXTRACTION KIT, AND	2025/03/17

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	VIRUS NUCLEIC ACID EXTRACTION METHOD	
2025/02358	A KIND OF FLOTATION EQUIPMENT WITH SLURRY SELF-DRIVING AND SELF-ABSORBING FUNCTIONS	2025/03/17
2025/02359	AUTOMATIC START-STOP SYSTEM AND METHOD FOR SCREEN SEDIMENTATION AND FILTRATION CENTRIFUGES	2025/03/17
2025/02360	A THICKENER UNDERFLOW COARSE COAL SLUDGE RECOVERY SYSTEM	2025/03/17
2025/02362	CORRECTION DEVICE FOR PREVENTING ADOLESCENT SCOLIOSIS	2025/03/18
2025/02364	SYSTEM FOR MEASURING WATER PRESSURE TRANSMISSION RATE OF CONFINED AQUIFER	2025/03/18
2025/02365	APPLICATION OF WHEAT GENE TAWUS-A IN IMPROVEMENT ON REGENERATION EFFICIENCY OF IMMATURE EMBRYOS OF WHEAT	2025/03/18
2025/02367	A DYNAMIC RISK ASSESSMENT METHOD FOR WATER HAZARDS IN NON-COAL MINES WITH SELF-LEARNING EARLY WARNING THRESHOLDS	2025/03/18
2025/02369	TENNIS COLLECTION DEVICE FOR TENNIS COURT	2025/03/18
2025/02370	TODDLERHOOD BASKETBALL HOOP FOR PHYSICAL EDUCATION	2025/03/18
2025/02371	APPLICATION OF COMBINED INHIBITOR IN THE FLOTATION SEPARATION OF COPPER-MOLYBDENUM MIXED CONCENTRATE	2025/03/18
2025/02372	A CONTAINER AND A LOCKING MECHANISM FOR A CONTAINER	2025/03/18
2025/02374	MOBILE HARVESTING MACHINE FOR FRESH SPIRULINA	2025/03/18
2025/02375	A SMART POWER CONTROL AND MONITORING SYSTEM USING LORA	2025/03/18
2025/02376	A DEEP LEARNING BASED SYSTEM FOR MITIGATING ALGORITHMIC BIAS IN FACIAL RECOGNITION TECHNOLOGY	2025/03/18
2025/02377	A WEB-BASED SYSTEM FOR FACILITATING AUTOMATED AGRICULTURAL SERVICES AND MARKET ANALYTICS FOR FARMERS	2025/03/18
2025/02380	CALCIUM-BASED FLUX-CORED WIRE FOR METALLURGICAL	2025/03/18

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	TREATMENT OF A METAL BATH AND CORRESPONDING METHOD	
2025/02394	ENVIRONMENT DESIGN DRAWING DISPLAY TABLE	2025/03/19
2025/02396	SUPPLY CHAIN CREDIT EVALUATION AND RISK CONTROL METHOD BASED ON BLOCKCHAIN	2025/03/19
2025/02400	A CRYPTOGRAPHIC WIFI MODULE FOR SECURE CLOUD INTEGRATION IN IOT DEVICES	2025/03/19
2025/02401	A LIVE SELL AND SERVICE INDICATOR ON GOOGLE MAP FOR BUSINESSES	2025/03/19
2025/02402	AN IOT-ENHANCED SOFTWARE-DRIVEN AGRICULTURAL SYSTEM FOR OPTIMIZING CROP GROWTH THROUGH EARTHWORM INTEGRATION AND REAL-TIME DATA PROCESSING	2025/03/19
2025/02403	AN IOT SCARECROW SYSTEM FOR CROPS PROTECTION WITH ADAPTIVE THREAT MANAGEMENT	2025/03/19
2025/02404	LEVERAGING HARDWARE SOLUTIONS FOR AI-DRIVEN DARK PATTERN DETECTION AND COMPLIANCE WITH PRIVACY REGULATIONS IN WEBSITE DATA COLLECTION	2025/03/19
2025/02405	AN INTELLIGENT ROAD POTHOLE DETECTION AND ADAPTIVE NAVIGATION SYSTEM	2025/03/19
2025/02407	A HYBRID PACKED BED HEAT REGENERATING RESERVOIR SYSTEM	2025/03/19
2025/02440	STEEL-REINFORCED CONCRETE IMPACT RESISTANCE TEST DEVICE	2025/03/20
2025/02441	METHOD FOR INTELLIGENT CALCULATION OF SEEPAGE SPILL POINT BASED ON TOTAL POTENTIAL ENERGY IN REAL DOMAIN	2025/03/20
2025/02443	DUCT CLAMP	2025/03/20
2025/02444	ELECTROPLATING PROCESS	2025/03/20
2025/02445	A DEVICE AND METHOD FOR ION-ADSORPTION RARE EARTH MINERAL EXPLORATION BASED ON REMOTE SENSING TECHNOLOGY	2025/03/20
2025/02446	CONTROL METHOD AND SYSTEM OF AUTOMATIC DEFROSTING FOR AIR CONDITIONER THEREOF	2025/03/20
2025/02447	COLLECTION DEVICE FOR RUST FUNGUS UREDIOSPORE OF WHEAT STRIPE	2025/03/20

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2025/02453	AN AI BASED OUTFIT RECOMMENDATION SYSTEM	2025/03/20
2025/02455	A REDESIGNED ELECTRONIC VOTING MACHINE (EVM) FOR MODERN ELECTIONS TO ENHANCE VOTER PARTICIPATION	2025/03/20
2025/02456	A PEER-TO-PEER TUTORING SYSTEM FOR USER INTERACTION AND TUTOR MANAGEMENT	2025/03/20
2025/02457	AN AI BASED DYNAMIC TRAFFIC LIGHT SIGNAL CONTROL SYSTEM FOR HEAVY TRAFFIC MANAGEMENT	2025/03/20
2025/02458	AN AI OPTIMIZED STRESS RELIEF SYSTEM FOR DRIVERS USING SENSORS	2025/03/20
2025/02459	AN AI-ASSISTED EDUCATION SYSTEM FOR MULTI-TYPE CONTENT PROCESSING AND LEARNING PRODUCTS	2025/03/20
2025/02460	A HYDROPONICS SYSTEM USING PH SENSOR AND EC SENSOR	2025/03/20
2025/02461	A REAL-TIME IMAGE CLASSIFICATION BASED SMART THEATER SPOTLIGHT SYSTEM FOR ACTOR RECOGNITION AND SCENE ADAPTATION	2025/03/20
2025/02462	AN AI-POWERED SYSTEM FOR ADVANCED HIRING AND SKILL ENHANCEMENT	2025/03/20
2025/02463	A DIGITAL SECURITY DOOR GUARD SYSTEM	2025/03/20
2025/02464	AN AUTOMATED ANSWER SHEET ASSESSMENT SYSTEM USING COMPUTER VISION AND MACHINE LEARNING	2025/03/20
2025/02465	A DISTRIBUTING SURPLUS FOOD SYSTEM TO NGOS OR MANURE PRODUCERS USING IOT AND ML	2025/03/20
2025/02487	COMMUNICATION CABINET FOR ELECTRONIC INFORMATION ENGINEER	2025/03/24
2025/02488	A BLOCKCHAIN TECHNOLOGY AND ARTIFICIAL INTELLIGENCE BASED DIGITAL VERIFICATION SYSTEM	2025/03/24
2025/02489	A BLOCKCHAIN AND SMART CONTRACT SYSTEM FOR DECENTRALIZED MICROFINANCE	2025/03/24
2025/02490	A COMPREHENSIVE OPERATIONAL MANAGEMENT SYSTEM WITH REAL-TIME FEEDBACK MECHANISM FOR FOOD SERVICE MANAGEMENT	2025/03/24

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2025/02491	AN AI BASED PLANT DISEASE DETECTION SYSTEM IN HYDROPONIC AGRICULTURE METHOD	2025/03/24
2025/02492	POLY(3,4-ETHYLENEDIOXYTHIOPHENE)-GRAPHENE-MOLYBDENUM DISULFIDE COMPOSITE FIBER, PREPARATION METHOD AND APPLICATION THEREOF	2025/03/24
2025/02493	FERMENTATION DEVICE FOR YOGURT PRODUCTION	2025/03/24
2025/02494	HIGH-PERFORMANCE MANGANESE-BASED OXIDE CATHODE MATERIAL FOR AQUEOUS ZINC-ION BATTERIES	2025/03/24
2025/02496	COAL EXPANSION STRESS AND SEEPAGE CHARACTERISTIC MEASURING DEVICE	2025/03/24
2025/02497	APPLICATION OF CIRCULAR RNA IN REGULATING PLANT FLOWERING PERIODS	2025/03/24
2025/02499	NITROGEN-OXYGEN DOUBLE-DOPED MULTISTAGE POROUS CARBON, PREPARATION METHOD AND APPLICATION THEREOF	2025/03/24
2025/02500	GRAPH STRUCTURE RETRIEVAL ENHANCED INTELLIGENT QUESTION-ANSWERING SYSTEM AND METHOD FOR CONSTRUCTION SAFETY	2025/03/24
2025/02501	SIMULATION DEVICE FOR CONSTRUCTING SILICOSIS ANIMAL MODEL	2025/03/24
2025/02502	SUSPENSION TYPE DOWNHOLE OBSTACLE CROSSING RESCUE ROBOT	2025/03/24
2025/02503	WATER LEVEL MONITORING DEVICE FOR URBAN WATERLOGGING	2025/03/24
2025/02504	BIG DATA-BASED COMMODITY SALES MANAGEMENT METHOD	2025/03/24
2025/02505	MODIFIED HYDROPHOBIC PARTICLES AND PREPARATION METHOD THEREFOR, AND WATER-BASED HYDROPHOBIC COATING AND PREPARATION METHOD THEREFOR	2025/03/24
2025/02506	PUBLIC FACILITY BUILDING FIRE SAFETY FIRE EXTINGUISHING SPRINKLER DEVICE	2025/03/24
2025/02507	AUXILIARY LEARNING DEVICE FOR PHILOSOPHICAL EDUCATION	2025/03/24

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2025/02508	LASER WELDING EQUIPMENT FOR PROCESSING TITANIUM ALLOY MATERIALS	2025/03/24
2025/02509	COMPUTER INFORMATION BIG DATA DISPLAY DEVICE	2025/03/24
2025/02510	DEVICE FOR REMOTELY CONTROLLING MICRO-INFUSION PUMP BASED ON APPLICATION	2025/03/24
2025/02513	QUANTITATIVE IDENTIFICATION AND PREVENTION METHOD FOR MINING-INDUCED ROOF SEPARATION	2025/03/24
2025/02514	METHOD AND SYSTEM FOR 3D PAVING CONSTRUCTION OF ASPHALT PAVEMENT	2025/03/24
2025/02516	ANTI-B7H3 ANTIBODIES AND METHODS OF USE	2025/03/24
2025/02538	ELECTRIC POWER-ASSISTED HAND-PROPELLED PICKING DEVICE FOR PICKING POMEGRANATES	2025/03/25
2025/02539	FIRE-FIGHTING SMOKE EXHAUST PORT	2025/03/25
2025/02541	DETECTION DEVICE FOR ENDOCRINE DISRUPTORS IN DRINKING WATER SOURCES	2025/03/25
2025/02542	POLYACID-BASED IONIC LIQUID GREEN CATALYST AND PREPARATION METHOD AND APPLICATION THEREOF	2025/03/25
2025/02543	EUROPIUM COMPLEX, PREPARATION METHOD AND APPLICATION THEREOF	2025/03/25
2025/02544	RADIO FREQUENCY ELECTRICAL STIMULATION REGULATION SYSTEM FOR CHRONIC PAIN MANAGEMENT	2025/03/25
2025/02546	CRUSHING DEVICE FOR ORGANIC FERTILIZER PRODUCTION	2025/03/25
2025/02548	ULTRASONIC MAGNETIC STIRRING FLOTATION DEVICE	2025/03/25
2025/02549	PESTICIDE RESIDUE DEGRADING AGENT AND ITS PREPARATION METHOD	2025/03/25
2025/02550	FERTILIZING DEVICE FOR ORCHARDS	2025/03/25
2025/02555	A WEB BASED MENTAL HEALTH SYSTEM FOR AFFORDABLE YOUTH THERAPY	2025/03/25
2025/02556	A DIRECT JOB-CONNECTING SYSTEM FOR DAILY WAGE WORKERS	2025/03/25

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2025/02557	A DESIGN THINKING BASED SYSTEM FOR LOST AND FOUND ITEMS	2025/03/25
2025/02558	AN IOT BASED REALTIME TRACKING SYSTEM FOR WOMEN'S SAFETY AND SECURITY	2025/03/25
2025/02559	A MACHINE LEARNING BASED CROP YIELD PREDICTION AND RESOURCE MANAGEMENT SYSTEM	2025/03/25
2025/02560	A FLUID, EFFICIENT AND INTERACTIVE ASSESSMENT SYSTEM FOR IMPROVING OVERALL PUBLIC TRANSPORTATION ECOSYSTEM	2025/03/25
2025/02561	A WEBSITE BASED APPOINTMENT BOOKING SYSTEM FOR HOSPITAL OUTPATIENT DEPARTMENTS MANAGEMENT	2025/03/25
2025/02562	A REAL-TIME SOS ALERT SYSTEM DESIGNED FOR INDIVIDUALS IN URBAN AND SUBURBAN AREAS	2025/03/25
2025/02563	A WEB-BASED SYSTEM FOR ANALYZING THE IMPACT OF BANNERS AND HOARDINGS ON PUBLIC AWARENESS, BEHAVIOR AND ENGAGEMENT	2025/03/25
2025/02564	A DYNAMIC EXAM MASTERY SYSTEM FOR TAILORED LEARNING EXPERIENCE	2025/03/25
2025/02565	AN INTELLIGENT SYSTEM FOR TRANSLATING INDIAN SIGN LANGUAGE INTO SPEECH AND TEXT	2025/03/25
2025/02566	AN INTUITIVE AND SEAMLESS SYSTEM FOR AUTOMATION OF GROUP EXPENSE MANAGEMENT	2025/03/25
2025/02567	A MACHINE LEARNING BASED FINANCE MANAGEMENT SYSTEM FOR MIDDLE AND LOWER MIDDLE CLASS FAMILIES	2025/03/25
2025/02568	AN AI-BASED PSYCHOMETRIC EVALUATION SYSTEM FOR PERSONALITY INSIGHTS USING TEXT AND VIDEO DATA	2025/03/25
2025/02569	A REAL-TIME VEHICLE BREAKDOWN ASSISTANCE AND SERVICE MANAGEMENT SYSTEM	2025/03/25
2025/02570	AN AI DRIVEN INTERACTIVE AR/VR SYSTEM FOR IMMERSIVE LEARNING AND CHILD ENGAGEMENT	2025/03/25

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2025/02571	AN AUGMENTED REALITY-BASED SYSTEM FOR DIGITALIZATION OF PRODUCT MANUALS	2025/03/25
2025/02572	A STREAMLINED FOOD SERVICE MANAGEMENT SYSTEM FOR CANTEENS AND SIMILAR ESTABLISHMENTS	2025/03/25
2025/02573	A REAL-TIME MESS MENU MANAGEMENT SYSTEM WITH ENHANCED STUDENT ACCESSIBILITY	2025/03/25
2025/02574	A REALTIME BASED FOOD REDISTRIBUTION SYSTEM FOR EFFICIENT FOOD WASTE MANAGEMENT	2025/03/25
2025/02576	QUALITATIVE ASSESSMENT AND DATA SCORING SYSTEM FOR PREDICTING PROSTATE CANCER IN PSA GRAY ZONE	2025/03/25
2025/02580	WAVE ENERGY APPARATUS	2025/03/25
2025/02586	AI-BASED AUTOMATIC OPTIMIZATION METHOD AND SYSTEM FOR BIG DATA DISTRIBUTED COMPUTING TASKS	2025/03/25
2025/02596	METHOD FOR GENERATING ADVERSARIAL SAMPLES BASED ON DUAL-LAYER GENERATIVE ADVERSARIAL NETWORK	2025/03/26
2025/02597	MICROPLASTIC COLLECTION DEVICE FOR WATER BODIES	2025/03/26
2025/02598	SUPPORT DEVICE FOR PHOTOVOLTAIC MODULE AND PHOTOVOLTAIC SYSTEM	2025/03/26
2025/02599	MANUAL ALIGNMENT CALIBRATION DEVICE AND METHOD FOR COUPLED MOTORS	2025/03/26
2025/02600	DUAL-AXIS ELECTROMAGNETIC COIL-ACCELERATED HOPKINSON BAR EXPERIMENTAL APPARATUS	2025/03/26
2025/02601	PHARMACEUTICAL FORMULA FOR TREATING LEUKEMIA AND UREMIA AND PREPARATION METHOD THEREOF	2025/03/26
2025/02602	EFFICIENT POWER SYSTEM ENERGY TRANSMISSION METHOD BASED ON SUPERCONDUCTING MAGNETS	2025/03/26
2025/02603	DYNAMIC STABILITY CONTROL METHOD OF POWER SYSTEM BASED ON SUPERCONDUCTING MAGNETS	2025/03/26
2025/02607	COATED GLASS CLAMPING DEVICE	2025/03/26
2025/02608	A COMPREHENSIVE SPORTS	2025/03/26

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	MANAGEMENT SYSTEM INTEGRATING INJURY PREVENTION, NUTRITION, SPONSORSHIP, AND MERCHANDISE MODULES	
2025/02615	RAPID HEMOSTATIC DEVICE FOR EMERGENCY CARE	2025/03/26
2025/02629	THERAPEUTIC DEVICE FOR INFLAMMATORY, PAINFUL PATHOLOGY AND A NEURO-MUSCULAR AND POSTURAL REMODULATION	2025/03/26
2025/02644	MULTI-FUNCTIONAL APHRODISIAC CHINESE MEDICINE AND APPLICATION THEREOF	2025/03/27
2025/02645	HIGH-SPEED ROTARY TABLET PRESS WITH NON-STOP POWDER CLEANING FOR PUNCH DIES	2025/03/27
2025/02646	ARTIFICIAL INTELLIGENCE-BASED VETERINARY DIAGNOSIS ASSISTANCE SYSTEM	2025/03/27
2025/02647	GROUND-BASED LOW-ALTITUDE INTELLIGENT OPERATIONS PLATFORM	2025/03/27
2025/02654	PREPARATION METHOD, PRODUCT, AND APPLICATION OF CELL MEMBRANE BIOMIMETIC DRUG DELIVERY SYSTEM TARGETING ATHEROSCLEROTIC LESIONS	2025/03/27
2025/02683	AN APPLICATION METHOD OF FIREPROOF AND THERMAL INSULATION MATERIALS WITH DIFFERENT FIRE RESISTANCE LEVELS ON OCEAN-GOING VESSELS	2025/03/28
2025/02684	METHOD FOR PREPARING POLYTHIOPHENE ELECTROCHROMIC THIN FILM AND APPLICATION THEREOF	2025/03/28
2025/02685	METHOD FOR EARLY WARNING OF COAL MINE WATER HAZARDS CAUSED BY RISING GROUNDWATER LEVELS	2025/03/28
2025/02686	POWER GENERATION SYSTEM AND CONTROL METHOD	2025/03/28
2025/02688	HIGH-FLUX PLANT TISSUE CULTURE BOX	2025/03/28
2025/02689	COMPUTER SECURITY STATUS MONITORING AND PROCESSING DEVICE	2025/03/28
2025/02690	SOIL SAMPLING DEVICE FOR MINE ENVIRONMENTAL TREATMENT	2025/03/28

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2025/02691	ULTRASONIC DIAGNOSIS EXAMINATION BED CONVENIENT TO ADJUST	2025/03/28
2025/02692	SURGICAL AUXILIARY OPERATING DEVICE	2025/03/28
2025/02693	DEVICE FOR MEASURING WATER AND FERTILIZER RETENTION OF SOIL SAMPLE	2025/03/28
2025/02694	SELF-GRAVITY DRY MAGNETIC SEPARATION SHAKING TABLE AND ITS APPLICATION IN MAGNETIC MINERAL SEPARATION	2025/03/28
2025/02695	SOIL CRUST SEPARATION AND ANALYSIS SYSTEM	2025/03/28
2025/02696	FISH SORTING DEVICE APPLIED TO DEEP-SEA AQUACULTURE	2025/03/28
2025/02697	STRUCTURE OF FLOOD DISCHARGE GATE FOR PUMPING STATION	2025/03/28
2025/02705	ROOT CROP PLANTER	2025/03/28
2025/02706	ROOT CROP HARVESTER	2025/03/28
2025/02711	RESPIRATORY SYNCYTIAL VIRUS RECOMBINANT FUSION PROTEIN WITH PRE-FUSION CONFORMATION, PREPARATION METHOD AND USES THEREOF	2025/03/28
2025/02713	RESPIRATORY SYNCYTIAL VIRUS RECOMBINANT FUSION PROTEIN WITH PRE-FUSION CONFORMATION, PREPARATION METHOD AND USES THEREOF	2025/03/28
2025/02736	PROGNOSTIC MODEL FOR PATIENTS WITH METASTATIC BREAST CANCER BASED ON IMMUNE-RELATED GENES, CONSTRUCTION METHOD AND APPLICATIONS THEREOF	2025/03/31
2025/02737	APPLICATION OF ARTEMISIA SEEDS IN THE PREPARATION OF MEDICAMENT FOR TREATING SALIVATION CAUSED BY ORAL SCALDS OR GASTRIC MUCOSAL SCALDS IN PIGS	2025/03/31
2025/02738	CLEANING DEVICE FOR SIMULATED SAND TABLE TEACHING AIDS USED IN ACCOUNTING TEACHING	2025/03/31
2025/02739	PORTABLE MULTI-MODE SMART TEST STRIP (PMSTS) AND SYSTEM THEREOF	2025/03/31
2025/02741	3D PRINTED TUNNEL MODEL FOR TEST OF MULTI-PILOT-TUNNEL EXCAVATION PROCESS OF SUPER-	2025/03/31

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	LONG-SPAN TUNNELS	
2025/02742	WEATHER FORECAST LEARNING SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ALGORITHM	2025/03/31
2025/02744	ADVANCED MATHEMATICAL PLOTTER	2025/03/31
2025/02745	METHOD FOR PREPARING TOTAL SAPONINS OF CROWN-OF-THORNS STARFISH BY MICROWAVE-ULTRASOUND AND APPLICATION THEREOF IN ANTICANCER DRUGS	2025/03/31
2025/02746	MONITORING DEVICE FOR SAFETY PRODUCTION EMERGENCY MANAGEMENT	2025/03/31
2025/02747	IMPEDANCE SPECTROSCOPY TESTING FIXTURE OF THERMAL BARRIER COATINGS	2025/03/31
2025/02753	TRANSPORTATION DEVICE USED TO TRANSPORT MACHINERY WITH CONTINUOUS TRACKS	2025/03/31
2025/02754	PORTABLE DATA LOGGER AND COMMUNICATION SYSTEM	2025/03/31
2025/02755	SEQUENTIAL BALLOON PULSATING PULSATILE PUMP FOR ARTIFICIAL WOMB (AW), SYSTEM AND METHOD	2025/03/28
2025/02756	FOOT MECHANISM WITH CROSS UNIVERSAL JOINT FOR FOOT-TYPE WALKING ROBOT	2025/03/28
2025/02782	APPLICATION OF ALKALI METAL HYDROXIDE, EXTRACTION METHOD AND ION CHROMATOGRAPHY DETECTION METHOD FOR NITRITE NITROGEN AND/OR NITRATE NITROGEN IN SOIL, AND REGENERATION METHOD OF CHROMATOGRAPHIC COLUMN	2025/04/01
2025/02783	METHOD FOR HIGH-EFFICIENCY EXTRACTING LITHIUM FROM CLAY-TYPE LITHIUM ORE	2025/04/01
2025/02784	CONSTRUCTION SUPPORT SYSTEM AND SUPPORT METHOD FOR COAL MINE SHAFT AND DRIFT	2025/04/01
2025/02785	WEAR-RESISTANT CONVEYOR IDLER	2025/04/01
2025/02786	PREPARATION METHOD FOR DOUBLE-LAYER HOLLOW FIBER LOOSE NANOFILTRATION MEMBRANE AND APPLICATION THEREOF	2025/04/01
2025/02787	MULTI-SOURCE DATA FUSION MONITORING METHOD FOR	2025/04/01

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	MINING SUBSIDENCE BASED ON DPIM AND VARIANCE COMPONENT ESTIMATION	
2025/02788	METHOD OF MANUFACTURING A HAT	2025/04/01
2025/02789	UROCANIC ACID OCTYL ESTER COMPOUND AND PREPARATION METHOD AND APPLICATION THEREOF	2025/04/01
2025/02792	CAST-IN-PLACE CONCRETE BUILT-IN POSITIONING INSULATION WALL AND CONSTRUCTION METHOD	2025/04/01
2025/02793	CARBON-SEQUESTERING AND NITROGEN-SUPPLEMENTING FERTILIZER FOR PROMOTING CITRUS PLANT GROWTH AND IMPROVING ACIDIC SOIL AND PREPARATION METHOD THEREOF	2025/04/01
2025/02798	CYBERCRIME AVOIDANCE PIN RECOGNITION MEANS AND METHOD	2025/04/01
2025/04404	METHODS, SYSTEMS AND PROCESS EQUIPMENT FOR OPTIMIZED CONTROL OF THERMAL HYDROLYSIS PROCESSES	2025/05/23
2025/04465	A CORROSION PROTECTIVE WRAPPING	2025/05/26
2025/06053	A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL THEREOF	2025/07/16
2025/06240	SEMAGLUTIDE FOR THE TREATMENT OF NON-ALCOHOLIC STEATOHEPATITIS	2025/07/23
2025/06363	A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL THEREOF	2025/07/29
2025/06368	A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NON-ORIENTED ELECTRICAL STEEL THEREOF	2025/07/29
2025/06369	INTELLIGENT TEMPERATURE-CONTROLLED AND BUBBLE-ELIMINATING PLASMA ELECTRODE SYSTEM AND CONTROL METHOD THEREOF	2025/07/29
2025/06533	APPLICATION OF PEPTIDE MARKER FOR AUTHENTICATING STINGLESS BEE HONEY	2025/08/04
2025/06651	SOAP BAR COMPOSITIONS WITH IMPROVED SKIN BENEFITS	2025/08/07
2025/06704	APPARATUS, SYSTEM, AND	2025/08/06

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	METHOD FOR DETERMINING GEOTECHNICAL PARAMETERS USING PULSED NEUTRONS	
2025/07063	METHOD AND SYSTEM FOR DETECTING SOIL SALT CRUST IN COASTAL AREA	2025/08/25
2025/07589	ANTIBACTERIAL COMPOSITION AND ITS PREPARATION METHOD AND APPLICATION	2025/09/09
2025/07844	PET FOOD WITH COAT HEALTH BENEFITS, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF	2025/09/15
2025/07864	A NON-ORIENTED ELECTRICAL STEEL AND A METHOD OF MANUFACTURING NONORIENTED ELECTRICAL STEEL THEREOF	2025/09/15
2025/08079	USE OF A CLASS OF ORGANIC ACID METAL COMPOUNDS AS ANIMAL FEED ADDITIVES	2025/09/22
2025/08080	PREPARATION METHOD FOR ENVIRONMENT-FRIENDLY NATURAL BAMBOO FIBER-MODIFIED PE COMPOSITE MATERIAL AND PRODUCT, AND USE	2025/09/22
2025/08202	PREPARATION METHOD AND APPLICATION OF PHOTORESPONSIVE MODIFIED POLYVINYL CHLORIDE NANOFIBER	2025/09/26
2025/08502	AIRCRAFT TUGS	2025/10/08
2025/08559	LIGHTWEIGHT AND HIGH-POWER PUMP SOURCE	2025/10/10

DESIGNS

Advertisement List for October 2025

Number of Advertised Designs: 95

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A2023/00904	Container	2023/08/16
A2023/01302	SPOILERS	2023/12/04
A2023/01408	Television Receiver	2023/12/12
A2023/01409	Television Receiver	2023/12/12
A2023/01410	Television Receiver	2023/12/12
A2023/01412	Television Receiver	2023/12/12
A2023/01413	Supporting Arm for a Television	2023/12/12

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	Receiver	
A2023/01414	Supporting Arm for a Television Receiver	2023/12/12
A2023/01415	Supporting Arm for a Television Receiver	2023/12/12
A2023/01416	Supporting Arm for a Television Receiver	2023/12/12
A2023/01417	Supporting Arm for a Television Receiver	2023/12/12
A2023/01418	Supporting Arm for a Television Receiver	2023/12/12
A2023/01437	Mug	2023/12/14
A2024/00378	Watch Case	2024/04/19
A2024/00951	TYRES AND TYRE TREADS	2024/09/26
A2024/00952	TYRES AND TYRE TREADS	2024/09/26
A2025/00009	Capsule for a Bottle	2025/01/02
A2025/00010	AIR FRESHENERS	2025/01/02
A2025/00012	TIPS FOR GROUND ENGAGING MACHINE IMPLEMENTS	2025/01/07
A2025/00013	ADAPTERS FOR GROUND ENGAGING MACHINE IMPLEMENTS	2025/01/07
A2025/00014	TIPS FOR GROUND ENGAGING MACHINE IMPLEMENTS	2025/01/07
A2025/00015	ADAPTERS FOR GROUND ENGAGING MACHINE IMPLEMENTS	2025/01/07
A2025/00030	Door for a laundry apparatus	2025/01/10
A2025/00031	Front Part of a Laundry Apparatus	2025/01/10
A2025/00032	Watch	2025/01/10
A2025/00043	MOBILE PHONES	2025/01/17
A2025/00044	MOBILE PHONES	2025/01/17
A2025/00045	MOBILE PHONES	2025/01/17
A2025/00046	MOBILE PHONES	2025/01/17
A2025/00047	MOBILE PHONES	2025/01/17
A2025/00048	MOBILE PHONES	2025/01/17
A2025/00049	MOBILE PHONES	2025/01/17
A2025/00052	MOBILE PHONES	2025/01/17
A2025/00054	MOBILE PHONES	2025/01/17
A2025/00076	MOBILE PHONES	2025/01/17
A2025/00077	Container and Lid	2025/01/17
A2025/00078	Container	2025/01/17
A2025/00079	Lid	2025/01/17
A2025/00080	Container and Lid	2025/01/17
A2025/00081	Container	2025/01/17
A2025/00082	Lid	2025/01/17
A2025/00083	Container and Lid	2025/01/17
A2025/00084	Container	2025/01/17
A2025/00085	Lid	2025/01/17
A2025/00088	Container	2025/01/20
A2025/00090	BACK-UP RINGS	2025/01/21
A2025/00094	CUSHION SLEEVES	2025/01/22
A2025/00098	Part of a Textile Machine	2025/01/23

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A2025/00099	Part of a Textile Machine	2025/01/23
A2025/00100	Part of a Textile Machine	2025/01/23
A2025/00101	Part of a Textile Machine	2025/01/23
A2025/00102	SURGICAL BUR KIT HOLDER ASSEMBLY	2025/01/23
A2025/00103	LID FOR SURGICAL BUR KIT HOLDER	2025/01/23
A2025/00104	BASE FOR SURGICAL BUR KIT HOLDER	2025/01/23
A2025/00138	LID FOR COOKING PANS	2025/02/06
A2025/00144	A BOTTLE	2025/02/11
A2025/00145	A BOTTLE	2025/02/11
A2025/00211	FRAME FOR BLIND SYSTEM	2025/02/21
A2025/00223	FENCE POST	2025/02/26
A2025/00233	COOKING POT	2025/02/27
A2025/00237	SINK	2025/02/28
A2025/00239	AIR FRESHENERS	2025/02/28
A2025/00240	A CONNECTOR	2025/02/28
A2025/00241	A COMPACT MOBILE TOY	2025/02/28
A2025/00242	A COMPACT MOBILE TOY, AND A CONNECTOR FOR A COMPACT MOBILE TOY	2025/02/28
F2020/01140	CHAMBER	2020/08/21
F2023/00755	Blank for Stackable Box	2023/07/07
F2023/01243	A Hook	2023/11/17
F2024/01147	MEDICAL INSTRUMENT	2024/11/11
F2024/01148	MEDICAL INSTRUMENT	2024/11/11
F2024/01149	MEDICAL INSTRUMENT	2024/11/11
F2024/01150	MEDICAL INSTRUMENT	2024/11/11
F2025/00025	DRAWER SIDE PANELS	2025/01/10
F2025/00026	CABINET SIDE PANELS	2025/01/10
F2025/00027	DRAWER TRACKS	2025/01/10
F2025/00028	DRAWER SIDE PANELS	2025/01/10
F2025/00029	CABINET SIDE PANELS	2025/01/10
F2025/00033	Idler Shaft End	2025/01/13
F2025/00108	HINGED M430 ROOF SHEET CLAMP FOR MOUNTING SOLAR PANELS	2025/01/24
F2025/00130	NEEDLE SHEATHS	2025/02/04
F2025/00189	DRYING BINS	2025/02/20
F2025/00190	DRYING BINS	2025/02/20
F2025/00204	PACKAGING CAPSULES	2025/02/21
F2025/00205	PACKAGING CAPSULES	2025/02/21
F2025/00206	PACKAGING CAPSULES	2025/02/21
F2025/00207	PACKAGING CAPSULES	2025/02/21
F2025/00222	FALL ARREST ANCHORS	2025/02/25
F2025/00246	SOLAR PANEL SUPPORT ASSEMBLY	2025/03/03
F2025/00260	SPORTING GEAR RACK	2025/03/04
F2025/00291	PALLETS AND CARTONS FOR LOADING SHIPPING CONTAINERS	2025/03/11
F2025/00924	A RADIUS ARM	2025/08/05

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F2025/01035	GRIPS	2025/08/25
F2025/01110	REAR RIGHT SPORTS BAR MOUNT	2025/09/04
F2025/01111	FRONT SPORTS BAR MOUNT	2025/09/04
F2025/01112	REAR LEFT SPORTS BAR MOUNT	2025/09/04