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INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

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2025/03589 ~ Provisional ~54:WORLD RUGBY LEAGUE ~71:ABEL HERMANUS JANSEN VAN VUUREN, 47 MAIN REEF MINDALORE, South Africa ~72: ABEL HERMANUS JANSEN VAN VUUREN~

2025/03552 ~ Complete ~54:METHOD AND APPARATUS FOR PASSIVE MIXING OF MULTIPHASE FLOW ~71:SRAVATHI ADVANCE PROCESS TECHNOLOGIES PRIVATE LIMITED, Plot No. 63-B, Ground Floor. Attibele Hobli, Anekal Taluk Bommasandra Industrial Area, Bommasandra Village, Bengaluru,, Karnataka, 560099, India ~72: SAMIR, Anapat;SIVAKUMAR, Sreeramagiri;SOHEL, Chungikar Abbas;SOURI, Sreeramagiri Venkata Shanmukha~ 33:IN ~31:202241056411 ~32:30/09/2022

2025/03554 ~ Complete ~54:METHODS FOR MAKING USER EQUIPMENT AWARE OF DISCONTINUOUS TRANSMISSION OR RECEPTION BY A NETWORK ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: ARAUJO, Lian;JOSILO, Sladana;MALEKI, Sina;NADER, Ali;NIMBALKER, Ajit;REIAL, Andres;SHI, Nianshan~ 33:US ~31:63/410,845 ~32:28/09/2022

2025/03563 ~ Complete ~54:MOBILE ROBOT NAVIGATION AND MAPPING SYSTEM ~71:ANQING NORMAL UNIVERSITY, No. 1318, Jixian North Road, Anqing, Anhui, 246133, People's Republic of China ~72: DONG, Xiaoming~

2025/03571 ~ Complete ~54:METHOD FOR PREDICTING THE PACKET ERROR PROBABILITY OF A RADIO LINK USING DEEP NEURAL NETWORKS ~71:Thales, 4 rue de la Verrerie, MEUDON 92190, FRANCE, France ~72: LE MARTRET, Christophe;LETURC, Xavier~ 33:FR ~31:2211186 ~32:27/10/2022

2025/03580 ~ Complete ~54:IMPLANTS, INSTRUMENTATION, AND SURGICAL METHODS FOR ANKLE ARTHROPLASTY PROCEDURES ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: BERTOLOTTI, Luciano Bernardino;BLACHE, Sven;DACOSTA, Albert;LEE, Daniel J.;LUCAS, Caitlin;MACLEISH, Darby;PAPROSKI, Dylan~ 33:US ~31:63/377,639 ~32:29/09/2022

2025/03558 ~ Complete ~54:CONDITIONAL SKIPPING OF MEASUREMENTS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AHMED, Ayaz;CHIRANJI, Muneender;LAURIDSEN, Mads;SELVAGANAPATHY, Srinivasan;WIGARD, Jeroen;YUAN, Ping~

2025/03562 ~ Complete ~54:MULTI-FUNCTIONAL MERCHANDISE STAND FOR E-COMMERCE LIVESTREAMING ~71:Nantong Vocational University, No. 89 Qingnian Middle Road, Chongchuan District, Nantong, Jiangsu Province, 226007, People's Republic of China ~72: Fuqiang GE;Jinxin GE~

2025/03564 ~ Complete ~54:NON-SILICONE AND NON-FLUORINE RELEASE COATING COMPRISING POLYMER BINDERS AND MICRO BEADS ~71:AVERY DENNISON CORPORATION, 8080 Norton Parkway, United States of America ~72: CHEN, Xuehua~ 33:CN ~31:202211246883.5 ~32:12/10/2022;33:US ~31:63/380,296 ~32:20/10/2022

2025/03566 ~ Complete ~54:METHOD AND SYSTEM OF CALIBRATION OF A SENSOR OR A NETWORK OF SENSORS ~71:UNIVERSITY OF CAPE TOWN, Lovers Walk, Rondebosch, South Africa ~72: MISHRA, Amit Kumar~ 33:GB ~31:2215800.0 ~32:25/10/2022

2025/03567 ~ Complete ~54:BEVERAGE OR FOODSTUFF PREPARATION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY CH-1800, SWITZERLAND, Switzerland ~72: BALASI, Szabolcs;CROISIER, Emmanuel;DONIER, Cécile;FEO, Matteo Yann;GERBAULET, Arnaud;GUILLAUD-BATAILLE, Jean-Christophe;MAGRI, Carlo;MANTINHA GOMES, Ricardo;NOTH, André~ 33:EP ~31:22199334.8 ~32:03/10/2022

2025/03569 ~ Complete ~54:CORNER BLOCK SEGMENT FOR A ROLL OF A COMMINUTION DEVICE ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: HÖRSTER, Nils;JANSSEN, Matthias;LORENZ, Silvio;SCHROERS, Frank;WORTMANN, Daniel~ 33:BE ~31:2022/5888 ~32:28/10/2022;33:DE ~31:10 2022 128 769.6 ~32:28/10/2022

2025/03570 ~ Complete ~54:SELF-HYDROLYZING MALEIMIDES FOR BIOCONJUGATION ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ALAM, Riazul;CORTEZ, Guillermo S.;WANG, Yan~ 33:US ~31:63/381,404 ~32:28/10/2022

2025/03575 ~ Complete ~54:NOVEL PRMT5 INHIBITOR AND USE THEREOF ~71:Shanghai Apeiron Therapeutics Company Limited, Unit C101, 1976 Gaoke Zhong Road, Pilot Free Trade Zone, Pudong New Area, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: GU, Xiaohui;YAO, Bing~ 33:CN ~31:202211173943.5 ~32:26/09/2022;33:CN ~31:202211473887.7 ~32:22/11/2022;33:CN ~31:202310080068.4 ~32:17/01/2023;33:CN ~31:202310402301.6 ~32:14/04/2023;33:CN ~31:202311142241.5 ~32:01/09/2023

2025/03582 ~ Complete ~54:VARIABLE-PITCH CONTROL METHOD AND DEVICE FOR WIND TURBINE GENERATOR SET ~71:BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD., No. 19, Kangding Road, Beijing Economic & Technological Development Zone, Daxing District, Beijing, 100176, People's Republic of China ~72: GUODONG DING;JIE ZHOU;MANG LIU~ 33:CN ~31:202310063820.4 ~32:12/01/2023

2025/03588 ~ Complete ~54:CRYSTALLINE FORMS OF 5-[(2,4-DINITROPHENOXY)METHYL]-1-METHYL-2-NITRO-1H-IMIDAZOLE ~71:RIVUS PHARMACEUTICALS, INC., 706B Forest Street, Charlottesville, Virginia, 22903, United States of America ~72: DONALD HERBERT LAMUNYON;MICAH JEFFREY BODNER;MURALIKRISHNA DUVVURI~ 33:US ~31:63/384,478 ~32:21/11/2022

. - APPLIED ON 2025/04/28 -

2025/03592 ~ Provisional ~54:A HANDHELD VERIFICATION DEVICE FOR DECENTRALISED AGRICULTURAL TASK VALIDATION ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, United Kingdom ~72: Terry~

2025/03593 ~ Provisional ~54:INTERACTIVE NARRATIVE-BASED EDUCATIONAL PLATFORM: LIFE SKILLS THROUGH IMMERSIVE STORYTELLING AND GAMEPLAY ~71:Precious Ramabulana, 279 Delhi street, South Africa ~72: Precious~ 33:ZA ~31:0 ~32:26/04/2025

2025/03590 ~ Provisional ~54:A PROTOCOL-NATIVE FIELD VERIFICATION DEVICE FOR DECENTRALISED AGRICULTURAL TASK VALIDATION ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03591 ~ Provisional ~54:A SOFTWARE AGENT EMBEDDED IN AN AUTONOMOUS DRONE FOR DECENTRALISED TASK VERIFICATION ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03594 ~ Provisional ~54:BIODEGRADABLE HEMP PLASTIC ~71:Michael Brooks, 52 Kruger Road, South Africa ~72: Michael Brooks~

. - APPLIED ON 2025/04/29 -

2025/03595 ~ Provisional ~54:A SYSTEM FOR, AND METHOD OF, INCREASING FINANCIAL SECURITY FOR AGENTS AND STAKEHOLDERS IN REAL ESTATE TRANSACTIONS ~71:CLOETE, Deon, 151 Rockhaven, 78 Augrabies Street, Mooikloof Ridge Estate, Mooikloof Ridge, South Africa ~72: CLOETE, Deon~

2025/03606 ~ Complete ~54:DNA EXTRACTION METHOD OF PLANT LEAVES ~71:Forestry Resources Monitoring Institute of Henan Forestry Administration, No. 81 Zhenghua North Road, Jinshui District, Zhengzhou City, Henan Province, 450003, People's Republic of China;Henan University of Urban Construction, Longxiang

Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: JI Guangsi;LI Leilei;LIU Yaqiong;WU Zhenjiang;XIANG Hui;ZHU Tao~

2025/03616 ~ Complete ~54:COMPUTER DEVICE FOR CLASSIFYING A TEXT ANALYSIS ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127914 ~32:21/09/2024

2025/03624 ~ Complete
~54:ATTENUATED AVIBACTERIUM PARAGALLINARUM STRAIN AND CONSTRUCTION METHOD AND USE THEREOF ~71:Beijing Academy of Agriculture and Forestry Sciences, No.9, Shuguang Huayuan Middle Road, Haidian District, Beijing, 100097, People's Republic of China ~72: Chen MEI;Hongjun WANG;Yan ZHI;Ying LIU;Zhenyi LIU~ 33:CN ~31:202410881990.8 ~32:02/07/2024

2025/03679 ~ Complete ~54:UNDERGROUND MOBILE COOLING ARRANGEMENT AND METHOD OF USING SAME ~71:M-TECH INDUSTRIAL (PTY) LTD., 24 Totius Street, Totiuspark, South Africa ~72: VAN ANTWERPEN, Herman;VAN DER WALT, Andre;VILJOEN, Dawie~ 33:ZA ~31:2024/04004 ~32:23/05/2024

2025/03668 ~ Complete ~54:CONTROL INFORMATION TRANSMISSION TECHNIQUES ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO GAO;KE YAO;XIAOLONG GUO;YANG ZHANG;ZHAOHUA LU~

2025/03669 ~ Complete ~54:COMPRESSION APPARATUSES, SYSTEMS AND METHODS FOR SCREENING MATERIALS ~71:DERRICK CORPORATION, 590 Duke Road, Buffalo, United States of America ~72: GROSS, William H.;JENKINS, Daniel P.;NEWMAN, Christian;PERESAN, Michael;WOJCHIECHOWSKI, Keith~ 33:US ~31:63/419,214 ~32:25/10/2022;33:US ~31:63/464,982 ~32:09/05/2023

2025/03671 ~ Provisional ~54:PATENT OF STRETCHER (MEDICAL EQUIPMENT) ~71:DONALD TLABYANE, 48 ALUTA CRESCENT HOSPITAL VIEW TEMBISA, South Africa ~72: DONALD TLABYANE~

2025/03605 ~ Complete ~54:METHOD FOR PRODUCING PSORALEN THROUGH BIOLOGICAL FERMENTATION ~71:Chongqing Academy of Chinese Materia Medica, No. 34 Nanshan Road, Nan'an District, Chongqing, 400065, People's Republic of China;Chongqing Sericulture Science and Technology Research Institute, No.1 Shangba Road, Dongyang Street, Beibei District, Chongqing, 400700, People's Republic of China ~72: LIU, Yan;LU, Zenghui;LUO, Xiaoling;QIANG, Zhe;XING, Kangkang;ZHANG, Deli~

2025/03612 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING A TEXT CORPUS ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127910 ~32:21/09/2024

2025/03626 ~ Complete ~54:SOAKING AND ROLLING PREPARATION PROCESS FOR MXENE-BASED GEOTEXTILE WAVE-ABSORBING MATERIAL FOR ELECTROMAGNETIC RADIATION PROTECTION ~71:Tianjin Shenwei Flexible Protective Materials Technology Co., Ltd., Room 1101 and 1102, Building 2, Tianjin Science and Technology Plaza, Scientific Research West Road, Nankai District (Tiankai Park), Tianjin, 300192, People's Republic of China ~72: LI Aoxue;LIU Yuanjun;ZHAO Xiaoming~

2025/03635 ~ Complete ~54:A QUADRUPED SAFEGUARDING ROBOT DESIGNED FOR HAZARDOUS ENVIRONMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHOLKE, Puja Chavan;GHODAKE, Kanishka;GHUGE, Dnyaneshwari;GODASE, Vaishnavi;HALBE, Soham~

2025/03637 ~ Complete ~54:A PLANT DISEASE DETECTION AND AUTOMATED FERTILIZER PREPARATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ALKUNTE, Ritesh;BACHHAV, Prasad;BANCHHOR, Chitrakant;GAIKWAD, Vidya S.;LAHORE, Om Sanjay;MEHTA, Pradnya S.;NAVANI, Atharva;PATIL, Amol V.~

2025/03648 ~ Complete ~54:AGARICUS BISPORUS CULTURE MATERIAL PREPARED BY MEANS OF FERMENTING CORN STRAW AND DEER DUNG, AND PREPARATION METHOD THEREFOR ~71:Jilin Agricultural University, No.2888 Xincheng Street, Changchun City, Jilin Province, 130028, People's Republic of China ~72: LI Xiao;LI You;ZHANG Bo~ 33:CN ~31:2023113540844 ~32:19/10/2023

2025/03600 ~ Provisional ~54:DIGITAL PLATFORM FOR DECENTRALIZED TAROT ADVISOR STOREFRONTS AND VIRAL USER ACQUISITION ~71:Sasha Righini, Unit 12 - 110 Second Ave Harfield Village, Cape Town, Western Cape, 7880, South Africa ~72: Sasha Righini~

2025/03649 ~ Complete ~54:DISTRIBUTION IOT LOW-VOLTAGE INTELLIGENT SWITCH ~71:SHANGHAI HONGTAN INTELLIGENT TECHNOLOGY CO., LTD, Room 201-A, Building 2, No. 600 Xinyuan South Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone Pudong New Area, Shanghai, 200120, People's Republic of China ~72: ZHANG, Yanping;ZHAO, Jie;ZHOU, Zhipeng~

2025/03670 ~ Complete ~54:ANTI-CD16A ANTIBODY AND APPLICATION THEREOF ~71:HEFEI TG IMMUNOPHARMA CO., LTD., Room #208, Building 1, 4090 Susong Road, Haiheng Community, Jingkai District, Hefei, People's Republic of China ~72: CAO, Guoshuai;CHENG, Ying;LI, Yangyang;WU, Yuwei~ 33:CN ~31:202211327361.8 ~32:27/10/2022

2025/03619 ~ Complete ~54:PREDICTION METHOD FOR TITANIUM IRON ORE IN THE NORTHERN MARGIN OF QAIDAM BASIN BASED ON GEOLOGICAL BIG DATA AND SYSTEM THEREOF ~71:Qinghai Geological Survey Institute, No. 107 Nanchuan West Road, Xining City, Qinghai Province, People's Republic of China ~72: HAN Jie;LI Jiqing;LU Yongzhuo;WANG Ming;WANG Taishan;YU Fucheng;ZHANG Xiaoyong;ZHANG Xinli~

2025/03629 ~ Complete ~54:NOVEL REFERENCE STANDARD AND IMPROVED METHOD FOR QUANTIFICATION OF SACCHARIDE IN VACCINE ~71:SERUM INSTITUTE OF INDIA PRIVATE LIMITED, 212/2, Off Soli Poonawalla Road, India ~72: DESHPANDE, Gaurav Vinay;GAIROLA, Sunil Jagdishprasad;GOEL, Sunil Kumar;PENDHARKAR, Sumeet Vilas;SHARMA, Pankaj Keshav~ 33:IN ~31:202421034262 ~32:30/04/2024

2025/03638 ~ Complete ~54:AN AUTOMATIC RATION DISTRIBUTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHOLKE, Puja Chavan;DEBRE, Atharva;DESHMANE, Shrinidhi;DESHMUKH, Atharva;KHARE, Adarsh~

2025/03643 ~ Complete ~54:RNA INHIBITOR FOR INHIBITING LPA GENE EXPRESSION AND USE THEREOF ~71:KYLONOVA (XIAMEN) BIOPHARMA CO., LTD., Room 302, No. 120, Xin Yuan Rd.,, Haicang District, People's Republic of China ~72: CUI, Kunyuan;LU, Xueqin~ 33:CN ~31:202211304230.8 ~32:24/10/2022

2025/03646 ~ Complete ~54:COLD ROLLED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Jean-Marc PIPARD;Marc Olivier THENOT;Pierre TARGY~

2025/03661 ~ Complete ~54:TRUNCATED CHIMERIC INSECTICIDAL PROTEINS ~71:EMPRESA BRASILEIRA DE PESQUISA AGROPECUÁRIA - EMBRAPA, Parque Estação Biológica - PqEB s/n, Edifício Sede , Plano

Piloto, Brasília - DF, 70770-901, Brazil ~72: ANDRÉA ALMEIDA CARNEIRO;BEATRIZ DE ALMEIDA BARROS;FERNANDO HERCOS VALICENTE;MEIRE DE CASSIA ALVES;NEWTON PORTILHO CARNEIRO;SIDNEY NETTO PARENTONI;SIMONE MARTINS MENDES;UBIRACI GOMES DE PAULA LANA~ 33:BR ~31:1020220223963 ~32:04/11/2022

2025/03674 ~ Provisional ~54:ECOSPUD: MODULAR HIGH-DENSITY AEROPONIC POTATO CULTIVATION SYSTEM ~71:Gerhardus Jacobus Combrink, 6 KATDORING CRESCENT PROTEA VILLAGE BRACKENFELL, South Africa ~72: GERHARDUS JACOBUS COMBRINK~

2025/03659 ~ Complete ~54:METHOD AND SYSTEM FOR SEPARATING BLACK MASS FROM ELECTRODES OF SPENT LITHIUM ION BATTERIES ~71:AGR Lithium Inc., 2700 Post Oak Blvd, Suite #2100, HOUSTON 77056, TX, USA, United States of America ~72: CHADHA, Nishchay;NAIK, Amol;TYAGI, Vipin~ 33:US ~31:63/420,959 ~32:31/10/2022

2025/03665 ~ Complete ~54:GAS PURGE PLUG AND SYSTEM FOR EASY INSTALLATION OF THE GAS PURGE PLUG IN A METALLURGICAL VESSEL ~71:VESUVIUS GROUP, S.A., rue de Douvrain 17, 7011, Ghlin, Belgium ~72: JEFFREY INSANA;JOHN WALKER;MATTHEW MCKINNEY~ 33:EP ~31:22209663.8 ~32:25/11/2022

2025/03598 ~ Provisional ~54:WASTE MANAGEMENT SYSTEM PATENT ~71:Lindelwa Ntombela, B635, 410027 Zibandlela road, illovo north, South Africa ~72: Lindelwa Ntombela~

2025/03603 ~ Complete ~54:APPLICATION OF CALLICARPA NUDIFLORA EXTRACT IN BREEDING WEANED PIGLETS ~71:China-aid-Congo (B) Agricultural Technology Demonstration Center, China-aid-Congo (B) Agricultural Technology Demonstration Center, Brazzaville, 999059, Congo;National Centre for Crop Disease Control, Ministry of Agriculture, Animal Husbandry and Fisheries, Congo (B), National Centre for Crop Disease Control, Ministry of Agriculture, Animal Husbandry and Fisheries, Congo (B), Brazzaville, 999059, Congo;Tropical Crops Genetic Resources Institute, Chinese Academy of Tropical Agricultural Sciences, No. 4, Xueyuan Road, Longhua District, Haikou City, Hainan Province, 571101, People's Republic of China ~72: BOUNGOU BAKALA Ghislain;CAO, Ting;HU, Chengjun;IPEMBA Euphrème;JI, Fengjie;LESSEBE GAMBOU Dieu Leveut;LI, Hanfeng;LV, Renlong;WU, Hongzhi~ 33:CN ~31:202411548479.2 ~32:01/11/2024

2025/03610 ~ Complete ~54:METHOD FOR SELECTING TEXT ANALYSES ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127898 ~32:21/09/2024

2025/03625 ~ Complete ~54:PREPARATION METHOD OF SPICED WALNUT KERNELS AND PRODUCT THEREOF ~71:SU, Xuancang, Yijun County Electric Power, No. 61 Yiyang North Street, Yijun County, Tongchuan City, Shaanxi Province, 727200, People's Republic of China ~72: SU, Xuancang~

2025/03627 ~ Complete ~54:INTRAVESICAL INSTILLSTION CHEMOTHERAPY DRUG AND APPLICATION FOR BLADDER CANCER ~71:Baotou Medical College, Inner Mongolia University of Science and Technology, No. 31 Jianshe Road, Donghe District, Baotou City, Inner Mongolia Autonomous Region, 014040, People's Republic of China;The First Affiliated Hospital of Wenzhou Medical University, The new campus of the First Affiliated Hospital of Wenzhou Medical University, Shangcai Village, Nanbaixiang, Ouhai District, Wenzhou City, Zhejiang Province, 325015, People's Republic of China ~72: HAN Xiaomin;JU Hongge;MA Qiang;SU Yan;WANG Xingyu;ZHENG Kewen~

2025/03640 ~ Complete ~54:METHOD FOR PREPARING PALIPERIDONE ~71:XINJIANG CAREER TECHNICAL COLLEGE, 62 Beijing West Road, Kuitun City, Ili Kazak Autonomous Prefecture, People's Republic

of China ~72: BAI, Xue;CHENG, Xiaobo;CONG, Houluo;HE, Chaoyue;HE, Yan;LI, Binrui;LI, Xin;LIU, Yu;SUN, Qingguo;SUN, Xun;WANG, Mingquan;XU, Weiyi;YANG, Weiqiang~

2025/03644 ~ Complete ~54:NOVEL PYRROLO[1,2-D][1,2,4]TRIAZINONE DERIVATIVES AS NEGATIVE ALLOSTERIC MODULATORS OF MGLU7 RECEPTORS ~71:NEUROSTERIX PHARMA SÀRL, Chemin des Mines, 9, Switzerland ~72: DERKS, Max, Theodorus, Gerardus, Maria;JANSSEN, Freek, Jan;PAPARIN, Jean-Laurent;ROCHER, Jean-Philippe;RUTJES, Floris, Petrus, Johannes, Theodorus;STACH, Tanja;VAN DER KOLK, Marnix, Ruben~ 33:GB ~31:2216963.5 ~32:14/11/2022

2025/03666 ~ Complete ~54:SMART COMPOSITE CONDUCTORS AND METHODS OF MAKING THE SAME ~71:TS CONDUCTOR CORP., 15272 Newsboy Circle, Huntington Beach, California, 92649, United States of America ~72: JIANZHONG JASON HUANG;QING HE~ 33:US ~31:63/419,088 ~32:25/10/2022

2025/03596 ~ Provisional ~54:PRODUCTION OF STRAIGHT WIRE SECTIONS ~71:COCHRANE STEEL PRODUCTS (PTY) LTD, 125 Fitter Road, Spartan, South Africa ~72: COCHRANE, Richard Bruce~

2025/03601 ~ Provisional ~54:CONNECTING BUSINESS AND CLIENTS VIA THEIR LOCATION AS THEY MOVE ~71:Shivaan bhadur, 23 Plymouth road, South Africa ~72: Shivaan bhadur~

2025/03607 ~ Complete ~54:ADSORBENT FOR REMOVING ARSENATE FROM WASTEWATER, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: DONG Wenchao;HUANG Xuezheng;JIANG Zhongfeng;LI Songfeng;LIANG Feng;TIAN Junfeng;WANG Le;WANG Yong;WU Li;ZHANG Bing;ZHANG Jiaxuan;ZHANG Peixin;ZHAO Yonghui;ZHU Huijie~

2025/03608 ~ Complete ~54:ENHANCED ATTAPULGITE ADSORBENT WITH HIGH ANTIBACTERIAL EFFECT AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GAO Wenhao;HUANG Xuezheng;JIANG Zhongfeng;LI Fei;LI Songfeng;LIANG Feng;LIU Leyi;SONG Fengming;WU Li~

2025/03620 ~ Complete ~54:AN APPLICATION FOR SERUM EXOSOME PIRNA ~71:Qingdao University, 308 Ningxia Road, Shinan District, Qingdao, Shandong Province, 266075, People's Republic of China ~72: Dan HAN;Haijun LU;Hongbo LIU;Liang ZHANG;Nailong PAN;Shan YANG;Shunxian XIA;Wenhua XU;Xiaomin WANG;Zhen SHANG~ 33:CN ~31:2025103861763 ~32:31/03/2025

2025/03623 ~ Complete ~54:DISPOSABLE FLUSHING -SUCTION ORAL CARE SPUTUM SUCTION TUBE ~71:THE AFFILIATED TAIZHOU PEOPLE'S HOSPITAL OF NANJING MEDICAL UNIVERSITY, No. 366, Taihu Road, Pharmaceutical High tech Zone, Taizhou City, Jiangsu Province, 225300, People's Republic of China ~72: CHEN, Lu;HUANG, Li;LI, Jiangying;WANG, Qiuchen;ZHU, Jian~

2025/03632 ~ Complete ~54:IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION ~71:DOLBY LABORATORIES LICENSING CORPORATION, 1275 Market Street, San Francisco, California, 94103, United States of America ~72: FANGJUN PU;PENG YIN;SEAN THOMAS MCCARTHY;TAO CHEN;TAORAN LU;WALTER J HUSAK~ 33:US ~31:62/630,385 ~32:14/02/2018;33:US ~31:62/691,366 ~32:28/06/2018;33:US ~31:62/726,608 ~32:04/09/2018;33:US ~31:62/739,402 ~32:01/10/2018;33:US ~31:62/772,228 ~32:28/11/2018;33:US ~31:62/782,659 ~32:20/12/2018;33:US ~31:62/792,122 ~32:14/01/2019

2025/03650 ~ Complete ~54:DEVICE FOR DOSING AND DISPENSING SOLID ELEMENTS SUCH AS MEDICINE TABLETS ~71:NAVAMEDIC AB, GÖTEBORGSVÄGEN 74, SE-433 63 SÄVEDALEN, SWEDEN, Sweden ~72: ERIKSSON, Rasmus;SPIRA, Jack~ 33:SE ~31:2251250-3 ~32:28/10/2022

2025/03654 ~ Complete ~54:FUSED RING COMPOUND AND PHARMACEUTICAL CONTAINING SAME ~71:Kaken Pharmaceutical Co., Ltd., 28-8, Honkomagome 2-chome, Bunkyo-ku, TOKYO 1138650, JAPAN, Japan ~72: AKAHOSHI, Issei;KATO, Masaya;SUMIKAWA, Yoshitake~ 33:JP ~31:2022-158409 ~32:30/09/2022

2025/03602 ~ Provisional ~54:MULTI-PORT VALVE AND ACTUATOR FOR A MULTI-PORT VALVE ~71:NORMAN RODGER CHESWORTH, 16 Sherwell Avenue, Boskruin, Randburg, 2188, South Africa ~72: NORMAN RODGER CHESWORTH~

2025/03613 ~ Complete ~54:COMPUTER DEVICE FOR PRE-TRAINING, OR TRAINING, OR POST-TRAINING A CLASSIFICATION MODEL ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127911 ~32:21/09/2024

2025/03615 ~ Complete ~54:COMPUTER DEVICE FOR CLASSIFYING A TEXT ANALYSIS ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127913 ~32:21/09/2024

2025/03631 ~ 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

2025/03636 ~ Complete ~54:AN AUTOMATED CEILING FAN CLEANING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHOLKE, Puja Chavan;PATIL, Gaurang;PATIL, Pranav;PATKAR, Varad;PEHERE, Kunal~

2025/03641 ~ Complete ~54:IMAGE PROCESSING METHOD AND SYSTEM FOR REMOTE-SENSING UNMANNED AERIAL VEHICLE FOR INTELLIGENT TRANSPORTATION CONSTRUCTION DATA COLLECTION ~71:BEIHANG UNIVERSITY, 37 Xueyuan Road Haidian District,, Beijing, 100191, People's Republic of China ~72: HAN, Longzhu;HOU, Yi;XIE, Yongqi~ 33:CN ~31:202311287726.3 ~32:07/10/2023

2025/03655 ~ Complete ~54:RECYCLABLE LIGHT BLOCKING FILM WITH PERFORATIONS ~71:Brook & Whittle Limited, 215 John Glenn Drive, AMHERST 14127, NY, USA, United States of America ~72: MORGAN, Mitchell J.;SHARP, Andrew~ 33:US ~31:63/414,972 ~32:11/10/2022

2025/03656 ~ Complete ~54:HEAT-TRANSFER FLUIDS WITH LOW ELECTRICAL CONDUCTIVITY COMPRISING HYDROXYLAMINE OR OXIME FUNCTIONALITY, METHODS FOR THEIR PREPARATION AND USES THEREOF ~71:Arteco N.V., Metropoolstraat 25, SCHOTEN 2900, BELGIUM, Belgium ~72: CLERICK, Sander~ 33:EP ~31:22210309.5 ~32:29/11/2022

2025/03664 ~ Complete ~54:POLYPLOID HYBRID BREEDING ~71:OHALO GENETICS, INC., 9565 Soquel Drive, Suite 101 Aptos, California 95003, United States of America ~72: BENJAMIN THOMAS BERUBE;JASON A PEIFFER;JUDSON ARTHUR WARD;LIEN DIANA BERTIER;MORGAN EDWARD MCCAW;XINGANG WANG;ZACHARY CAMPBELL BOWER~ 33:US ~31:63/423,765 ~32:08/11/2022;33:US ~31:63/423,768 ~32:08/11/2022;33:US ~31:63/461,174 ~32:21/04/2023;33:US ~31:63/497,670 ~32:21/04/2023

2025/03609 ~ Complete ~54:METHOD OF PRE-TRAINING, OR TRAINING, OR POST-TRAINING OF A CLASSIFICATION MODEL ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127892 ~32:21/09/2024

2025/03611 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING A TEXT CORPUS ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127909 ~32:21/09/2024

2025/03614 ~ Complete ~54:COMPUTER DEVICE FOR PRE-TRAINING, OR TRAINING, OR POST-TRAINING A CLUSTERING MODEL ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127912 ~32:21/09/2024

2025/03618 ~ Complete ~54:COMPUTER DEVICE FOR GENERATING A DATABASE QUERY ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127916 ~32:21/09/2024

2025/03628 ~ Complete ~54:UNDERGROUND SPACE EVACUATION WARNING METHOD AND SYSTEM ~71:Ministry of Water Resources, Ministry of Transport, National Energy Bureau, nanjing hydraulic research institute, No.223, Guangzhou Road, Nanjing, Jiangsu Province, 210008, People's Republic of China ~72: LIN Jin;LIU Hongwei;LIU Peng;MA Tao;WANG Yan~

2025/03634 ~ Complete ~54:A REAL-TIME MODEL GAIT TRACKING SIMULATION METHOD BASED ON A SOMATOSENSORY CAPTURE DEVICE ~71:Anhui Vocational and Technical College, No. 2600, Wenzhong Road, Xinzhan District, Hefei City, Anhui Province, 230011, People's Republic of China ~72: HAO Wenjie;LIU Jun;WU Fengfang;WU Jue~

2025/03639 ~ Complete ~54:UNMANNED AERIAL VEHICLE-BASED HYPERSPECTRAL CROP CLASSIFICATION METHOD ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, No. 22 Zhaojun Road, Yuquan District, People's Republic of China;INSTITUTE OF QUALITY SAFETY AND TESTING FOR AGRICULTURAL & ANIMAL HUSBANDRY OF INNER MONGOLIA(CENTER OF SCIENCE AND TECHNOLOGY, TRANSFER AND TRANSFORMATION FOR AGRICULTURAL AND ANIMAL HUSBANDRY OF INNER MONGOLIA), No. 22 Zhaojun Road, Yuquan District, People's Republic of China ~72: BAO, Junwei;CHE, Youwei;DU, Erxiao;GUO, Jia;JI, Shiyu;LIU, Wen;LIU, Yangyang;WANG, Baolin;WU, Shengnan;WULAN, Tuya;YANG, Chao;YU, Weizhuo;ZHAO, Xiaoyu~

2025/03621 ~ Complete ~54:AUTONOMOUS DRIVING ASSISTANCE SYSTEM AND METHOD FOR VEHICLES ~71:Leshan Normal University, No.778, Binhe Road, Shizhong District, Leshan City, Sichuan Province, People's Republic of China ~72: ZHANG Jiuhua~

2025/03642 ~ Complete ~54:PHOSPHORIC ACID ESTERS FOR THE BENEFICIATION OF MAGNETIC MINERALS FROM LOW-GRADE ORES ~71:CLARIANT INTERNATIONAL LTD, Rothausstrasse 61, Switzerland ~72: BICALHO, Leandro Seixas;COSTA, Nathalia;DA SILVA, Wagner Claudio;KRULL, Matthias~ 33:EP ~31:22206825.6 ~32:11/11/2022

2025/03653 ~ Complete ~54:COMPOUNDS WITH ANTI-KRAS MUTANT TUMOR ACTIVITY ~71:Trasveda Ltd., P.O. Box 10281, Suite 24 Grand Pavilion Commercial Centre, 802 West Bay Road, GRAND CAYMAN KY1-1003, CAYMAN ISLANDS, Cayman Islands ~72: DONG, Chunlan;HOU, Fuliang;JIANG, Jun;LIU, Shuai;SHANG, Erchang;SONG, Guanglin;WANG, Longfei;WANG, Ruixiang;ZHANG, Tony Yantao;ZHENG, Aijun;ZHONG, Boyu~ 33:CN ~31:202211208795.6 ~32:30/09/2022;33:CN ~31:202211583282.3 ~32:09/12/2022;33:CN ~31:202310080287.2 ~32:17/01/2023;33:CN ~31:202310258788.5 ~32:16/03/2023;33:CN ~31:202310721348.9 ~32:16/06/2023;33:CN ~31:202311247776.9 ~32:26/09/2023

2025/03658 ~ Complete ~54:COMBINATION THERAPY FOR TREATING CANCER ~71:Scorpion Therapeutics, Inc., Lilly Corporate Center, 893 S. Delaware Street, INDIANAPOLIS 46285, IN, USA, United States of America

~72: ALLTUCKER, Jacob Tyler;BUCKBINDER, Leonard;JACKSON, Erica;LADD, Brendon;ST. JEAN Jr., David;STUART, Darrin;TIEU, Trang Nguyet~ 33:US ~31:63/421,082 ~32:31/10/2022;33:US ~31:63/423,383 ~32:07/11/2022;33:US ~31:63/488,674 ~32:06/03/2023;33:US ~31:63/531,990 ~32:10/08/2023

2025/03660 ~ 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 ~31:63/412,270 ~32:30/09/2022

2025/03663 ~ Complete ~54:SELF-REPLICATING RNA AND USES THEREOF ~71:TRUSTEES OF BOSTON UNIVERSITY, One Silber Way, Boston, Massachusetts, 02215, United States of America ~72: ERIC BRESSLER;JACK RAINIER KIRSCH;JOSHUA EDWARD MCGEE;KEXIN LI;LIDYA YIDNEKACHEW SERTSE;MARK W GRINSTAFF;WILSON WONG~ 33:US ~31:63/426,597 ~32:18/11/2022;33:US ~31:63/460,506 ~32:19/04/2023;33:US ~31:63/538,540 ~32:15/09/2023

2025/03645 ~ Complete ~54:ANIONIC AMINO ACID-BASED SURFACTANTS FOR THE BENEFICIATION OF MAGNETIC MINERALS FROM LOW-GRADE ORES ~71:CLARIANT INTERNATIONAL LTD, Rothausstrasse 61, Switzerland ~72: BICALHO, Leandro Seixas;COSTA, Nathalia;DA SILVA, Wagner Claudio;KRULL, Matthias~ 33:EP ~31:22206826.4 ~32:11/11/2022

2025/03652 ~ Complete ~54:WIRE CUTTING DEVICE FOR ELECTRONIC CIRCUIT BOARD SOLDERING AND WIRE CUTTING METHOD THEREOF ~71:NANJING VOCATIONAL COLLEGE OF INFORMATION TECHNOLOGY, No.99, Wenlan Road, Xianlin University Town, Nanjing, 210023, People's Republic of China ~72: Fan CHEN;Hongyan WANG;Lingli YAO;Zhenfei GU;Zihe CHEN~ 33:CN ~31:202410955941.4 ~32:17/07/2024

2025/03597 ~ Provisional ~54:&SAFE - ADVANCED SECURITY FRAMEWORK FOR PROTECTING HIDDEN DATA AND APPLICATIONS IN DIGITAL ENVIRONMENTS ~71:Johan Hendrik Reynders, 3 Van Der Stel St, South Africa ~72: Johan Hendrik Reynders~

2025/03673 ~ Provisional ~54:HORIZONTAL SPACER TRAY ~71:BUTI ABRAM MOLEFE, 120 BLOCK G, South Africa ~72: BUTI ABRAM MOLEFE~

2025/03672 ~ Provisional ~54:PATENT OF WHEELCHAIR (MEDICAL EQUIPMENT) ~71:DONALD TLABYANE, 48 ALUTA CRESCENT HOSPITAL VIEW TEMBISA, South Africa ~72: DONALD TLABYANE~

2025/03599 ~ Provisional ~54:HYDROXAMATE PREPARATION ~71:AXIS HOUSE GROUP (PTY) LTD, UNIT 9 & 10 THE BOARD WALK, CNR OXFORD AND VICTORIA AVENUE, HOUTBAY, SOUTH AFRICA, South Africa ~72: CHOWDHURY, Ratan, Lal~

2025/03604 ~ Complete ~54:AUXILIARY LIMB EXERCISE DEVICE FOR CRITICAL CARE ~71:THE AFFILIATED TAIZHOU PEOPLE'S HOSPITAL OF NANJING MEDICAL UNIVERSITY, No. 366, Taihu Road, Pharmaceutical High tech Zone, Taizhou City, Jiangsu Province, 225300, People's Republic of China ~72: CHEN, Lu;JIANG, Wenjuan;LI, Jiangying;LUO, Dan;WANG, Qiuchen;WANG, Xiaocui;ZHU, Jian~

2025/03617 ~ Complete ~54:COMPUTER DEVICE FOR FORMING A DATABASE ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127915 ~32:21/09/2024

2025/03622 ~ Complete ~54:PRIMER SET FOR MTHFR GENE POLYMORPHISM DETECTION AND APPLICATIONTHEREOF ~71:HANSHAN NORMAL UNIVERSITY, Science Building, Hanshan Normal University, Qiaodong Xiangqiao District, Chaozhou City, People's Republic of China ~72: CHEN, Lianghui;FANG,

Biting;LIANG, Hongxuan;LIU, Yaqun;YANG, Yu;ZHANG, Zhenxia;ZHENG, Yuzhong~ 33:CN ~31:2025103390233 ~32:20/03/2025

2025/03630 ~ Complete ~54:ELECTRIC DRIVE ASSEMBLY CAPABLE OF EFFICIENTLY REGULATING TEMPERATURE ~71:JINHUA UNIVERSITY OF VOCATIONAL TECHNOLOGY, NO. 888, HAITANG WEST ROAD, XIGUAN STREET, People's Republic of China ~72: FANG, Yimao;LIU, Dongmei;YANG, Hangxu~

2025/03633 ~ Complete ~54:IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION ~71:DOLBY LABORATORIES LICENSING CORPORATION, 1275 Market Street, San Francisco, California, 94103, United States of America ~72: FANGJUN PU;PENG YIN;SEAN THOMAS MCCARTHY;TAO CHEN;TAORAN LU;WALTER J HUSAK~ 33:US ~31:62/630,385 ~32:14/02/2018;33:US ~31:62/691,366 ~32:28/06/2018;33:US ~31:62/726,608 ~32:04/09/2018;33:US ~31:62/739,402 ~32:01/10/2018;33:US ~31:62/772,228 ~32:28/11/2018;33:US ~31:62/782,659 ~32:20/12/2018;33:US ~31:62/792,122 ~32:14/01/2019

2025/03647 ~ Complete ~54:CAN LID ~71:TOP CAP HOLDING GMBH, Untere Sparchen 50, Austria ~72: Gregor Anton PIECH~ 33:DE ~31:10 2022 129 183.9 ~32:04/11/2022

2025/03651 ~ Complete ~54:CD 122 BINDING AGENTS AND METHOD OF USING SAME ~71:ANAPTYSBIO, INC., 10770 Wateridge Circle, Suite 210, United States of America ~72: DAHL, Martin Edward;HAINES, Chris;HARE, Eric;MORSE, Robert;PARMLEY, Stephen~ 33:US ~31:63/423,416 ~32:07/11/2022

2025/03657 ~ Complete ~54:MICROBIOCIDAL TETRAHYDROISOQUINOLINE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BRUNOT, Guillaume;EDMUNDS, Andrew;MAHAJAN, Atul;SCARBOROUGH, Christopher Charles~ 33:IN ~31:202211065741 ~32:16/11/2022;33:EP ~31:23151012.4 ~32:10/01/2023

2025/03662 ~ Complete ~54:TREATMENT OF PEANUT ALLERGY WITH TOLERIZING NANOPARTICLES ~71:COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., 8045 Lamon Avenue, Suite 1202, Skokie, Illinois, 60077, United States of America ~72: ADAM ELHOFY;GRETA WODARCYK;JOHN PUISIS;JOSEPH PODOJIL;MICHAEL BOYNE~ 33:US ~31:63/380,173 ~32:19/10/2022;33:US ~31:63/486,812 ~32:24/02/2023

2025/03667 ~ Complete ~54:CRYSTALLINE FORMS, PHARMACEUTICAL COMPOSITIONS AND METHODS OF USE THEREOF ~71:TANGO THERAPEUTICS, INC., 201 Brookline Ave, Suite 901, Boston, Massachusetts, 02215, United States of America ~72: KEVIN M COTTRELL;KIMBERLY JANE BRIGGS;MAGNUS RONN;SAPNA MAKHIJA GARAD~ 33:US ~31:63/419,225 ~32:25/10/2022;33:US ~31:63/496,105 ~32:14/04/2023

. - APPLIED ON 2025/04/30 -

2025/03677 ~ Provisional ~54:AUTONOMOUS AGRICULTURAL VERIFICATION DEVICES WITH EMBEDDED SIM CONNECTIVITY FOR DECENTRALISED PROOF SUBMISSION ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03682 ~ Complete ~54:MANUFACTURING METHOD OF FLAME-RETARDANT VISCOSE FILAMENT YARN HADA FABRIC ~71:Tibet University, No. 10, Zangda East Road, Chengguan District, Lhasa, Tibet, 850015, People's Republic of China;Xizang Anido Ecological Technology Co., Ltd., No. 7, Row 5, Riyuehu Waterscape Garden Zone 2, Tolun Dechen District, Lhasa, Tibet, 850000, People's Republic of China ~72: HE, Xueliang;LI, Wei;LV, Xuebin;LV, Yong;WANG, Haitao;ZHANG, Hao~

2025/03686 ~ Complete ~54:DISINFECTION TREATMENT DEVICE FOR IMPROVING DISINFECTION EFFECTIVENESS ~71:AFFILIATED HOSPITAL OF HEBEI UNIVERSITY, No. 212 Yuhua East Road, Baoding City, Hebei Province, 071000, People's Republic of China ~72: CHEN Jing;GAN Lu;LI Qianyu;LI Yongle~

2025/03692 ~ Complete ~54:A BLOCKCHAIN-BASED MESSAGING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHMUKH, Jayesh;JADHAV, Madhuri;JAISINGHANI, Amit;KUNEKAR, Pankaj;NIMBALKAR, Aditya~

2025/03701 ~ Complete ~54:COMBINATION OF SUBSTITUTED 2,4 DIAMINO-QUINOLINE COMPOUNDS AND MEK INHIBITORS FOR USE IN THE TREATMENT OF LIVER CANCERS ~71:GENFIT, 885 AVENUE EUGÈNE AVINÉE, PARC EURASANTÉ, 59120 LOOS, FRANCE, France ~72: BESTION, Eloïne;COURCAMBECK, Jérôme;HALFON, Philippe;MENUT, Agnès;MEZOUAR, Soraya~ 33:EP ~31:22306483.3 ~32:04/10/2022

2025/03713 ~ Complete ~54:PROCESS FOR THE PREPARATION OF *N*,*N*'-DIALKYL-*P*-PHENYLENEDIAMINE ~71:LANXESS Deutschland GmbH, Kennedyplatz 1, KÖLN 50569, GERMANY, Germany ~72: BÜHRLE, Miriam;GRAF, Holger;MINDACH, Olaf;STUCKE, Nadja;WIEDEMEIER-JARAD, Melanie~ 33:EP ~31:22205113.8 ~32:02/11/2022

2025/03721 ~ Provisional ~54:HANDHELD SHOELACE REPAIR TOOL WITH INTEGRATED TAPE FEED, CRIMPER, AND CUTTER ~71:Philip Thornley Gardner, 18a St Quinton road, South Africa ~72: Philip Thornley Gardner~

2025/03678 ~ Provisional ~54:YOMA VISION: SMART GLASSES FOR HANDS-FREE DECENTRALISED AGRICULTURAL TASK VALIDATION AND BLOCKCHAIN-BASED PROOF SUBMISSION ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03684 ~ Complete ~54:PRIESTIA SP. JP2-14 AND APPLICATION THEREOF ~71:Inner Mongolia Agricultural University, No. 306 Zhaowuda Road, Saihan District, Hohhot, Inner Mongolia, 010018, People's Republic of China;Inner Mongolia Minzu Preschool Education College, No. 18 Houde Road, Tiexi Vocational Education Park, Dongsheng District, Ordos City, Inner Mongolia, 017000, People's Republic of China ~72: FU, Chongyi;GUO, Yuchen;LI, Zhengnan;LIU, Huiya;LIU, Shanghua;LV, Xiuhua;SUN, Pingping;WANG, Peixian;WU, Ruochen;ZHANG, Jia;ZHANG, Lei;ZHOU, Mo~ 33:CN ~31:202411176508.7 ~32:26/08/2024

2025/03689 ~ Complete ~54:A CRYPTOCURRENCY MINING FARM MONITORING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHOLKE, Puja Chavan;PATHAK, Arya;PATIL, Koushal;PATIL, Manasi;PHULE, Divya~

2025/03691 ~ Complete ~54:A TRANSPORT VEHICLE DEMAND PREDICTION SYSTEM USING CONTEXT AWARE NEURAL NETWORKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAGWAT, Amrut;JADHAV, Kunal;KIRAR, Aditya Pratap Singh;KUNEKAR, Pankaj;SINGH, Ankit~

2025/03705 ~ Complete ~54:PAPER SHEET DISCHARGE ACCUMULATION DEVICE AND REFLUX-TYPE PAPER SHEET PROCESSING DEVICE ~71:JAPAN CASH MACHINE CO., LTD., 2-11-18 NAMBANAKA, NANIWA-KU, OSAKA-SHI, OSAKA 5560011, JAPAN, Japan ~72: FUJIE, Yoshihisa;TOGANO, Keiichi~ 33:JP ~31:2022-162202 ~32:07/10/2022

2025/03708 ~ Complete ~54:PROCESS FOR THE CARBOTHERMIC SMELTING OF A METALLIFEROUS FEEDSTOCK MATERIAL USING A HOT OXIDISING GAS ~71:AFRICAN RAINBOW MINERALS LIMITED, 24

Impala Road, Chislehurston, South Africa ~72: BOUWER, Petrus, Hendrik, Ferreira~ 33:ZA ~31:2024/01696 ~32:28/02/2024

2025/03717 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING ANTI-HUMAN TSLP RECEPTOR ANTIBODIES AND METHODS OF USING THE SAME ~71:Upstream Bio, Inc., 460 Totten Pond Road, Suite 420, WALTHAM 02451, MA, USA, United States of America ~72: GEARING, Patrick R.;GUO, Jeremy;LI, Geng;PETAIPIMOL, Parika;WANG, Bingquan~ 33:IB ~31:2022/130252 ~32:07/11/2022;33:US ~31:63/508,564 ~32:16/06/2023;33:US ~31:63/591,238 ~32:18/10/2023

2025/03696 ~ Complete ~54:AN ETHEREUM BASED DONATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BARU, Harshal;KASHID, Abhishek;KSHIRSAGAR, Prasanna;KULKARNI, Aniket;KUNEKAR, Pankaj;LONDHE, Prathamesh~

2025/03703 ~ Complete ~54:METHOD FOR TREATING THE SURFACE OF GLASS ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany;TOTALENERGIES ONETECH SAS, CHEMIN DU CANAL - BP 22, 69360 SOLAIZE CEDEX, FRANCE, France ~72: ALBERT, Philipp;BREUER, Hans-Joachim;JUST, Eckhard;SHEVRIN, Jacob;STRUPPERT, Thomas;TOWNSEND, Dave~ 33:EP ~31:22200458.2 ~32:10/10/2022

2025/03712 ~ Complete ~54:CONSUMABLE FOR AEROSOLISABLE FORMULATION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BURTON, Andrew Allan;DYER, Sarah;FRASER, Rory;HUGHES, Alice;LENNEY, Alice;MCLACHLAN, George;SOLECHINK, Nickolai~ 33:GB ~31:2217145.8 ~32:16/11/2022

2025/03718 ~ Complete ~54:GENETICALLY ENGINEERED CELLS ~71:Vertex Pharmaceuticals Incorporated, 50 Northern Avenue, BOSTON 02210, MA, USA, United States of America ~72: CAREY, Bryce;CONWAY, Michael;COOKE, Michael;KISSLER, Stephan;RAJ, Suyash~ 33:IB ~31:2022/079017 ~32:01/11/2022;33:US ~31:63/491,032 ~32:17/03/2023;33:US ~31:63/493,880 ~32:03/04/2023;33:US ~31:63/507,793 ~32:13/06/2023

2025/03676 ~ Provisional ~54:MONOCLONAL ANTIBODY AND USE THEREOF IN ANTI-VENOM APPLICATIONS ~71:WITS HEALTH CONSORTIUM (PTY) LTD, 31 Princess of Wales Terrace, Parktown, South Africa ~72: WIBMER, Constantinos Kurt~

2025/03680 ~ Complete ~54:EDGE DETECTION-BASED MULTI-SCALE GRID DETECTION METHOD FOR MARINE VEGETATION COVERAGE ~71:Hainan Academy of Ocean and Fisheries Sciences, No. 12, Baiju Avenue, Meilan District, Haikou City, Hainan Province, 571126, People's Republic of China ~72: CAI, Zefu;CHEN, Shiquan;CHEN, Xiaoyin;LI, Yuanchao;LIN, Shengkang;WANG, Daoru;WU, Zhongjie~

2025/03687 ~ Complete ~54:OPTIMIZED SPECIALIZED ANESTHESIA DEVICE ~71:AFFILIATED HOSPITAL OF HEBEI UNIVERSITY, No. 212 Yuhua East Road, Baoding City, Hebei Province, 071000, People's Republic of China ~72: CHEN Lei;LI Qianyu;SHI Song~

2025/03704 ~ Complete ~54:COMPOSITION AND METHOD FOR TREATING THE SURFACE OF GLASS ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany;TOTALENERGIES ONETECH SAS, CHEMIN DU CANAL - BP 22, 69360 SOLAIZE CEDEX, FRANCE, France ~72: ALBERT, Philipp;BREUER, Hans-Joachim;JUST, Eckhard;SHEVRIN, Jacob;STRUPPERT, Thomas;TOWNSEND, Dave~ 33:EP ~31:22200460.8 ~32:10/10/2022

2025/03709 ~ Complete ~54:HIGH-EFFICIENCY HEAT DISSIPATION PROCESSING DEVICE FOR PERMANENT MAGNET SYNCHRONOUS MOTORS ~71:JIANGSU WEITELI MOTOR CO., LTD., No. 6, Gangyuan Road, Gangyang Town, Hailing District, Taizhou City, Jiangsu Province, People's Republic of China ~72: JI Guibao;LI Qiusheng;SONG Xiancheng;ZHOU Xingqiang~ 33:CN ~31:2024106963270 ~32:31/05/2024

2025/03716 ~ Complete ~54:MANUFACTURE OF HEAT PIPE WICKS UTILIZING IN-SITU ROLLING AND HYDROFORMING DEVICE ~71:Westinghouse Electric Company LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: BLUNT, Rory A.F.;BRUNER, Brandon H.;GROSS, David M.;LAPRESTI, Michael A.;LOJEK III, John;NESTOR, Christopher M.~ 33:US ~31:63/380,329 ~32:20/10/2022

2025/04002 ~ Complete ~54:HOT END METAL OXIDE COATINGS FOR GLASS SUBSTRATES AND CONTAINERS ~71:ARKEMA INC., 900 First Avenue, King of Prussia, United States of America ~72: DESPOTOPOULOU, Marina;PALYS, Leonard, H.;RIVILLON, Sandrine Nathalie;SMITH, Ryan Christopher~ 33:US ~31:63/421,279 ~32:01/11/2022

2025/03688 ~ Complete ~54:NON-MOTOR VEHICLE VIOLATION MONITORING METHOD AND SYSTEM BASED ON DEEP LEARNING ~71:China University of Geosicences Beijing, No.29 Xueyuan Road, Haidian District, Beijing, 100080, People's Republic of China ~72: Haotian FENG~

2025/03693 ~ Complete ~54:A BLOCKCHAIN-BASED NETWORK OPTIMIZATION SYSTEM FOR WORKSTATION NODES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KUNEKAR, Pankaj;MULAY, Shubham;NAVALE, Dnyaneshwari;NAWALE, Akhilesh;SONKUSALE, Vishal;TALNIKAR, Vishwam~

2025/03697 ~ Complete ~54:A MOBILE WATER DISPENSING SYSTEM ~71:Core Premier Water (Pty) Ltd, 21 Lowestoft Street, Paarden Eiland, South Africa ~72: STOKELL, Frank Ernest~

2025/03699 ~ Complete ~54:SYSTEMS AND METHODS FOR PROVIDING MODULAR TELEMETRY AND CONTROL FOR SENSORS AND DEVICES IN AN ELECTRICAL GRID ~71:MICATU INC., IST Center – Building 404, 315 Daniel Zenker Drive, United States of America ~72: KENNEDY, James;OSHETSKI, Michael;PRADHAN, Atul~ 33:US ~31:63/381,458 ~32:28/10/2022

2025/03707 ~ Complete ~54:METHOD FOR DATA COMPRESSION AND ENCRYPTION ~71:OUBRE, Derek, 495 North Columbus Ave., United States of America ~72: OUBRE, Derek~ 33:US ~31:17/978,139 ~32:31/10/2022

2025/03715 ~ Complete ~54:ANTI-GDF 15 ANTIBODY FOR NEOADJUVANT THERAPY OF CANCER ~71:CatalYm GmbH, Am Klopferspitz 19, PLANEGG-MARTINSRIED 82152, GERMANY, Germany ~72: HERMANN, Frank;LEO, Eugen~ 33:EP ~31:22214252.3 ~32:16/12/2022

2025/03720 ~ Complete ~54:CHAGA MUSHROOM-RELATED FORMULATIONS, CHEMICAL COMPOUNDS, COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF ~71:GEROSYNTH LABORATORIES, INC., 8535 230th Street E., United States of America ~72: O'DELL, Alisha S.~ 33:US ~31:63/463,443 ~32:02/05/2023;33:US ~31:63/564,280 ~32:12/03/2024

2025/03695 ~ Complete ~54:AN INTEGRATED REAL-TIME AIR QUALITY MONITORING AND PREDICTION SYSTEM USING MACHINE LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KUNEKAR, Pankaj~

2025/03714 ~ Complete ~54:PROCESS FOR PROCESSING POLYMER-CONTAINING MATERIALS ~71:Plantics Holding B.V., Westervoortsedijk 73 BF, ARNHEM 6827 AV, THE NETHERLANDS, Netherlands ~72: BAKKER, Wridzer Jan Willem;DUIJF, Boris Leo Harrie;KNEPPER, Hans Daniël;NOORDZIJ, Geert Jan~ 33:EP ~31:22200424.4 ~32:07/10/2022

2025/03719 ~ Complete ~54:PROTEINS WITH MINIMAL N-TERMINAL INITIATOR METHIONINE ~71:Unichem Laboratories Ltd, 47, Kandivali Industrial Estate, Kandivali (West), Mumbai - 400067, Maharashtra, India ~72: IYAPPAN, Saravanakumar;SATHE, Dhananjay~ 33:IN ~31:202221068864 ~32:29/11/2022

2025/03897 ~ Provisional ~54:PHOTOKEY ~71:MEYER ADRIAAN, F1 ALLAN PARK RETIREMENT VILLAGE 23 CACTUS STR ALLAN GROVE, South Africa ~72: MEYER ADRIAAN~

2025/03681 ~ Complete ~54:DATA AUTOMATIC ACQUISITION METHOD AND SYSTEM BASED ON STORAGE SWITCHING MATRIX ~71:Institute of Forest Resource Information Techniques,Chinese Academy of Forestry, No.2 Dong Xiaofu, Haidian District, Beijing, 100091, People's Republic of China ~72: DENG Guang;FAN Dongpu;LIU Xuanxin;OUYANG Xuan;WANG Baogang;YU Xinwen~

2025/03683 ~ Complete ~54:SIZE COMPOSITION AND PREPARATION METHOD THEREFOR, AND SIZING METHOD FOR VISCOSE FILAMENT YARN ~71:Tibet University, No. 10, Zangda East Road, Chengguan District, Lhasa, Tibet, 850015, People's Republic of China ~72: LI, Wei;LV, Xuebin;LV, Yong;WANG, Haitao;WU, Yi;YANG, Chen;ZHANG, Hao~

2025/03690 ~ Complete ~54:A DECENTRALIZED TRANSACTION MANAGEMENT SYSTEM FOR SECURE ETHEREUM-BASED TRANSACTIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KSHIRSAGAR, Malhar;KUMAWAT, Chanchal;KUNEKAR, Pankaj;LANDE, Vaishnavi;LOKHANDE, Sushant;MANDHANA, Ram~

2025/03698 ~ Complete ~54:FEEDING DEVICE FOR BEEF CATTLE FARMING ~71:Zhangye Xinshanhu Agriculture and Animal Husbandry Development Co., Ltd., No.2 Pingshanhu Village, Pingshanhu Township, Ganzhou District, Zhangye City, Gansu, 734000, People's Republic of China ~72: Gang WANG;Jianhong SONG;Jianhong SUN;Shoufu MA;Yuan GOU~

2025/03700 ~ Complete ~54:PAPER SHEET DISCHARGE AND COLLECTION DEVICE AND CIRCULATION-TYPE PAPER SHEET PROCESSING DEVICE ~71:JAPAN CASH MACHINE CO., LTD., 2-11-18 NAMBANAKA, NANIWA-KU, OSAKA-SHI, OSAKA 5560011, JAPAN, Japan ~72: FUJIE, Yoshihisa;TOGANO, Keiichi~ 33:JP ~31:2022-162203 ~32:07/10/2022

2025/03706 ~ Complete ~54:CONTROL OF RANDOM ACCESS RESPONSE MONITORING FOR WIRELESS NETWORKS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HAKOLA, Sami-Jukka;KARJALAINEN, Juha, Pekka;KOSKELA, Timo;LADDU, Keeth, Saliya, Jayasinghe~ 33:US ~31:63/378,998 ~32:10/10/2022

2025/03711 ~ Complete ~54:POLYALKYL P-PHENYLENEDIAMINE ANTI-AGING AGENT, AND INTERMEDIATE THEREOF AND PREPARATION METHOD THEREFOR ~71:Sennics Co., Ltd., Room 2304, No. 1200, Pudong Avenue, China (Shanghai) Pilot Free Trade Zone, SHANGHAI 200120, CHINA (P.R.C.), People's Republic of China ~72: GUO, Xiangyun;LIANG, Gan;TANG, Zhimin;XING, Jinguo;ZHANG, Jiaqiang~ 33:CN ~31:202211406983.X ~32:10/11/2022

2025/03675 ~ Provisional ~54:ROAD MAINTENANCE DEVICE AND METHOD ~71:COETZEE, Andries Petrus De Klerk, 61 Wilkens Street, Meiringspark, South Africa ~72: COETZEE, Andries Petrus De Klerk~

2025/03685 ~ Complete ~54:ANESTHESIA INDUCTION INHALATION DEVICE WITH ANTI-LEAKAGE STRUCTURE ~71:AFFILIATED HOSPITAL OF HEBEI UNIVERSITY, No. 212 Yuhua East Road, Baoding City, Hebei Province, 071000, People's Republic of China ~72: CHEN Lei;LI Qianyu;SHI Song~

2025/03694 ~ Complete ~54:A WEARABLE ASSISTIVE DEVICE FOR VISUALLY IMPAIRED INDIVIDUALS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ANTAD, Sonali M;DABADE, Ronak Ramchandra;GAIKWAD, Namrata Rajendra;KURAPATI, Aditya Shrinivas;SAKLANI, Daksh~

2025/03702 ~ Complete ~54:BULK MATERIAL MILL FOR PROCESSING COARSE MATERIAL ~71:GEBR. PFEIFFER SE, BARBAROSSA-STRAßE 50 - 54, 67655 KAISERSLAUTERN, GERMANY, Germany ~72: REICHARDT, York;WOYWADT, Caroline~ 33:EP ~31:22200014.3 ~32:06/10/2022

2025/03710 ~ Complete ~54:AHR AGONISTS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BELL, Michael;CALVIN, Joel;CARSON, Cheryl;CHAUVIGNE-HINES, Lacie;CLARKE, Christian;DORSEY, Frank;GERNERT, Douglas;GREEN, Steven;MCMILLEN, William;NAVARRO, Antonio;RIZZO, John~ 33:US ~31:63/425,442 ~32:15/11/2022

. - APPLIED ON 2025/05/02 -

2025/03736 ~ Complete ~54:SYSTEM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118089 ~32:29/06/2024

2025/03722 ~ Provisional ~54:LARGE-SIZED BRICKS COMPOSED OF POLYESTER FIBERS, CEMENT, AND ALPHA OLEFIN SULFONATE (AOS) ~71:Irvin Sisha Hoza, 27903 Mvubu str, South Africa;Lehlogonolo Daniel Tshoane, 34324 Mongana str, South Africa ~72: Irvin Hoza;Lehlogonolo Daniel Tshoane~

2025/03724 ~ Provisional ~54:HEMP GRAPHITE COMPOSITE ~71:Michael Brooks, 52 Kruger Road, South Africa ~72: Michael Brooks~

2025/03729 ~ Provisional ~54:SMELL-MASKING MODULAR FILTER CAPSULE FOR SMOKING ARTICLES (SMOGVEIL™ SYSTEM) ~71:Ayanda Sikhosana, 46 Kruger street, South Africa ~72: Ayanda Sikhosana~

2025/03741 ~ Complete ~54:METHOD FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118122 ~32:29/06/2024

2025/03760 ~ Complete ~54:METHOD FOR THE SYSTEMATIC SELECTIVE EXTRACTION OF SOLID MINERAL RAW MATERIALS BY MEANS OF DIRECTIONAL DRILLING TECHNOLOGY ~71:FRIESENBICHLER, Franz, c/o Findeco GmbH, Koppstrasse 22/27, 1160 Wien, Austria ~72: FRIESENBICHLER, Franz~ 33:AT ~31:A 50904/2022 ~32:29/11/2022

2025/03723 ~ Provisional ~54:HEMP GRAPHITE ~71:Michael Brooks, 52 Kruger Road, South Africa ~72: Michael Brooks~

2025/03739 ~ Complete ~54:SYSTEM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118154 ~32:29/06/2024

2025/03743 ~ Complete ~54:SYSTEM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118124 ~32:29/06/2024

2025/03754 ~ Complete ~54:AN IOT-BASED NIGHT VISION PATROLLING DEVICE FOR ENHANCED SECURITY SURVEILLANCE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DHARASHIVE, Rajnandini N.;GAIKWAD, Vijay;KADU, Anil;NIMJE, Rachit D.;PALKAR, Sanket;RAJVAIDYA, Arya J.;RANE, Milind~

2025/03728 ~ Provisional ~54:PRESSURE CONTROL VALVE ASSEMBLY ~71:CRAFFORD, Ryno Adolf, 196 Van Riebeeck Avenue, South Africa ~72: GOOSEN, Cornelius Johannes~

2025/03730 ~ Provisional ~54:SYSTEM AND METHOD FOR COOPERATIVE ASSET-BACKED LENDING USING TOKENISED REAL-WORLD ASSETS AND UNIT-BASED GOVERNANCE ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03734 ~ Provisional ~54:DECENTRALISED SYSTEM AND METHOD FOR THE VALIDATION, TOKENISATION, AND GOVERNANCE OF INDIGENOUS KNOWLEDGE USING A MULTI-FORMAT CAPTURE FRAMEWORK ON A DISTRIBUTED LEDGER ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03737 ~ Complete ~54:SYSTEM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118090 ~32:29/06/2024

2025/03745 ~ Complete ~54:MACHINE READABLE MEDIUM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118126 ~32:29/06/2024

2025/03746 ~ Complete ~54:SERPINC1 IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:GENZYME CORPORATION, 50 Binney Street, Cambridge, Massachusetts, 02142, United States of America ~72: AKIN AKINC;ALFICA SEHGAL;BRIAN BETTENCOURT;DONALD FOSTER;IVANKA TOUDJARSKA;KALLANTHOTTATHIL G RAJEEV;KLAUS CHARISSE;MARTIN MAIER;MUTHIAH MANOHARAN;SATYANARAYANA KUCHIMANCHI;STUART MILSTEIN~ 33:US ~31:61/638,952 ~32:26/04/2012;33:US ~31:61/669,249 ~32:09/07/2012;33:US ~31:61/734,573 ~32:07/12/2012;33:US ~31:13/837,129 ~32:15/03/2013

2025/03768 ~ Complete ~54:TARGETING ALLOSTERIC AND ORTHOSTERIC POCKETS OF PHOSPHOINOSITIDE 3-KINASE (PI3K) FOR THE TREATMENT OF DISEASE ~71:Petra Pharma Corporation, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: CHEN, Shuang;DOWLESS, Michele Suzanne;KLIPPEL-GIESE, Anke;MAYNE, Christopher Glenn;PUCA, Loredana;RAMSTETTER, Monica;WANG, Rui~ 33:US ~31:63/382,029 ~32:02/11/2022;33:US ~31:63/382,980 ~32:09/11/2022;33:US ~31:63/501,614 ~32:11/05/2023

2025/03735 ~ Complete ~54:MACHINE READABLE MEDIUM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118116 ~32:29/06/2024

2025/03740 ~ Complete ~54:SYSTEM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118155 ~32:29/06/2024

2025/03742 ~ Complete ~54:DEVICE FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118123 ~32:29/06/2024

2025/03753 ~ Complete ~54:AN IOT-BASED WOMEN SAFETY DEVICE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DONGRE, Ganesh;GAIKWAD, Vijay;MANE, Vijay;RAJPUT, Vaishali;SASWADE, Shruti;SATHE, Kedar;SATTE, Srushti;SHENDE, Riddhi~

2025/03756 ~ Complete ~54:AN ADVANCED AI-DRIVEN CAMPUS PARKING DETECTION, RESERVATION, AND AUTOMATED ACCESS SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KOLEKAR, Vikas;MALI, Aadit Pravin;MALI, Manisha Pravin;MARAL, Vikas Balasaheb;RATHI, Snehal Rahul;SAKHARE, Sachin Rambhau~

2025/03750 ~ Complete ~54:A DIGITAL KNOWLEDGE SHARING SYSTEM FOR WATER-EFFICIENT TECHNIQUES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GHODKE, Rushikesh Nandu;MALI, Manisha Pravin;RATHI, Snehal Rahul;SAKHARE, Sachin;TIWASKAR, Shweta~

2025/03761 ~ Complete ~54:GRIPPING DEVICES AND SYSTEMS ~71:BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC., 2455 South 3600 West, United States of America ~72: BRUBACHER, Adrian;DRENTH, Christopher L.~ 33:US ~31:63/413,822 ~32:06/10/2022

2025/03767 ~ Complete ~54:ANTI-C5 ANTIBODY FUSED TO FACTOR H FOR USE IN THE TREATMENT OF COMPLEMENT-MEDIATED DISEASES ~71:KIRA PHARMACEUTICALS (US) LLC, 245 Main Street, 12th Floor, Cambridge, Massachusetts, 02142, United States of America ~72: JAY MA;QING YU WENG;RICHARD LEE;WENRU SONG~ 33:US ~31:63/421,993 ~32:02/11/2022;33:US ~31:63/486,949 ~32:24/02/2023;33:US ~31:PCT/US2023/063305 ~32:26/02/2023;33:US ~31:63/501,264 ~32:10/05/2023

2025/03731 ~ Provisional ~54:A UV PROTECTION FORMULATION ~71:Spencer, Kerry, 36 Church Street, Fisherhaven, OVERBERG, 7200, WESTERN CAPE, SOUTH AFRICA, South Africa ~72: Spencer, Kerry~

2025/03744 ~ Complete ~54:SYSTEM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118125 ~32:29/06/2024

2025/03747 ~ Complete ~54:A PARENTAL CONTROL SYSTEM FOR CHILD PROTECTION FROM HARMFUL DIGITAL CONTENT AND ENHANCE DIGITAL SAFETY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KHANDEKAR, Saish;KODMELWAR, Manohar;MIRAJKAR, Riddhi;PATHAK, Kishor;PATIL, Sarthak;SAWANT, Ayush;SHINDE, Arya;SUKTE, Chudaman~

2025/03752 ~ Complete ~54:AN ESP MESH NETWORK AND WI-FI RANGE EXTENDER USING NODEMCU ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHOUGULE, Shrey Arjun;GAIKWAD, Vijay;GARGOTE, Soham;JALNEKAR, Rajesh;SIDDIQUI, Faizan;SINGH, Lakshya;SONAR, Krishna;TALELE, Ajay~

2025/03764 ~ Complete ~54:CONTAINER, DISC ELEMENT, AND METHOD FOR MANUFACTURING A METALLIC CONTAINER ~71:Ardagh Metal Packaging Europe GmbH, Grafenauweg 4, ZUG 6300, SWITZERLAND, Switzerland ~72: JÖBGES, Udo~ 33:DE ~31:10 2022 129 190.1 ~32:04/11/2022

2025/03769 ~ Provisional ~54:OXIBLOOM – WEARABLE & PORTABLE OXYGEN CONCENTRATOR WITH RENEWABLE POWER ~71:Boudine Hobson, 179 Breede street, Riverlea, South Africa ~72: Boudine Hobson~

2025/03749 ~ Complete ~54:A SYSTEM FOR WELLNESS MONITORING IN UNDERSERVED COMMUNITIES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Vishal;GAWANDE, Pravin Ganpatrao;KULKARNI, Shailesh Vasudeorao;KUMBHAR, Shlok;MENDHEKAR, Pranjali;PATIL, Milind S.;RAUT, Ketan Janraoji;YALMATE, Ram~

2025/03762 ~ Complete ~54:METHOD FOR POWERING AN ENERGY NETWORK ~71:TotalEnergies OneTech, La Défense 6, 2 Place Jean Millier, COURBEVOIE 92400, FRANCE, France ~72: LAURENT, Maxime~ 33:FR ~31:2210205 ~32:05/10/2022

2025/03751 ~ Complete ~54:A SECURE HOUSEHOLD SERVICES BOOKING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVHAN, Pranali;DANDAM, Varshini;KHAMKAR, Kiran;MARAL, Vikas;MORE, Priyanka;SAKHARE, Sachin;SONAWANE, Achal~

2025/03755 ~ Complete ~54:AN AI-POWERED MACHINE LEARNING AND MEDICAL IMAGE ANALYSIS SYSTEM FOR ADVANCED OPHTHALMIC DIAGNOSIS AND TREATMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGAL, Tanish Pradip;BOGIRI, Nagaraju;DAHIWALE, Harshal Manoj;EKSHINGE, Vaibhav Zunjar;PATIL, Swati;RATHI, Snehal~

2025/03766 ~ Complete ~54:METHODS TO DETECT CSF MTBR-TAU AND USES THEREOF ~71:WASHINGTON UNIVERSITY, One Brookings Drive, St. Louis, Missouri, 63130, United States of America ~72: CHIHIRO SATO;KANTA HORIE;NICOLAS BARTHELEMY;RANDALL BATEMAN~ 33:US ~31:63/425,242 ~32:14/11/2022

2025/03725 ~ Provisional ~54:HEMP GRAPHITE COMPOSITE ~71:Michael Brooks, 52 Kruger Road, South Africa ~72: Michael Brooks~

2025/03733 ~ Provisional ~54:DECENTRALISED SYSTEM AND METHOD FOR CONDUCTING COMMUNITY-LED MEDICAL TRIALS FOR INDIGENOUS KNOWLEDGE USING MULTI-FORMAT CAPTURE AND BLOCKCHAIN VALIDATION ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03748 ~ Complete ~54:AN INTEGRATED GENERATIVE AI SYSTEM FOR TEXT, VIDEO, DATA, AND COMPUTER VISION SOLUTIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAIRAGI, Mayuresh

Rajeshkumar;BUCHADE, Amar;INGLE, Yashwant Sudhakar;KADOO, Parth Sanjay;MAHALLE, Parikshit Narendra;YERKAR, Vaibhav Anil~

2025/03759 ~ Complete ~54:USE OF (-)-EPIGALLOCATECHIN GALLATE COMPOUND ~71:CF PHARMTECH GUANGZHOU LIMITED, Room 1139, Unit 406, No. 1 Yichuang Street, China-Singapore Guangzhou Knowledge City, Huangpu District Guangzhou, People's Republic of China;CF PHARMTECH, INC., No.16, Hucundang Road, Xiangcheng District Suzhou, People's Republic of China;RUIJIN HOSPITAL, SHANGHAI JIAOTONG UNIVERSITY SCHOOL OF MEDICINE, 197 Ruijin 2nd Road Huangpu District, People's Republic of China ~72: CHE, Lin;LI, Xiujuan;LIANG, Bill Wenqing;QU, Jieming;QUAN, Mengxue;XU, Lin;ZHAO, Jingya~ 33:CN ~31:202211485124.4 ~32:24/11/2022

2025/03726 ~ Provisional ~54:A SYSTEM AND METHOD FOR INTEGRATED PEER-TO-PEER ELECTRICITY TRANSFER AND REAL-TIME OVER THE AIR (OTA) TOP-UP MANAGEMENT ~71:Michael Stanfliet, 18 Avon Cresent, South Africa ~72: Michael Stanfliet~

2025/03732 ~ Provisional ~54:MODIFIED LACTOFERRIN, VARIANT OR FRAGMENT AND CONJUGATE AND COMPOSITION FOR PREVENTING OR TREATING A DISEASE ~71:DE NOVO FOODLABS, INC., 2093 Philadelphia Pike #9413, Claymont, United States of America ~72: BESSA, Leah Wilson;GRIEVES, Richard Christoper;SHERRY, Dean Jason;SYMON, Joni~

2025/04098 ~ Provisional ~54:ANTI-DURESS MODE FOR BANKING APPS ~71:WILFRED ITUMELENG KGOLENG, 76 Moldavia Street, South Africa ~72: WILFRED ITUMELENG KGOLENG~

2025/03942 ~ Provisional ~54:ILLUBAG LUGGAGE ILLUMINATION ~71:Bruno Ubisse, 185 Bryan Brook Estate, 220 Witkoppen Road, South Africa ~72: Bruno Ubisse~

2025/03758 ~ Complete ~54:A CUSTOMIZABLE SNEAKER SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ARGADE, Sanmay;DAHAKE, Sujal;KULKARNI, Ratnanabh;PANDIT, Dipti;TAMKHADE, Jayashree;TRIGUNE, Himanshu~

2025/03763 ~ Complete ~54:FUEL AND MANUFACTURE OF THE SAME ~71:REC Reliable Engineering Concepts GmbH, Am Sonnenweg 43, STUTTGART 70619, GERMANY, Germany ~72: KRAHL, Jürgen;TÜRCK, David;TÜRCK, Julian;TÜRCK, Ralf;UTECHT, Jens~ 33:EP ~31:22205278.9 ~32:03/11/2022;33:EP ~31:23192932.4 ~32:23/08/2023

2025/03727 ~ Provisional ~54:SELF INFLATING FLOATATION ASSISTANCE DEVICE ~71:ATLANTIS SPECIALIST TECHNOLOGIES PROPRIETARY LIMITED, Unit 5 and 6, Casadobe Park 1, London Circle, Brackengate Business Park, Brackenfell 7560, SOUTH AFRICA, South Africa ~72: DUMONT, Terence Paul~

2025/03738 ~ Complete ~54:DEVICE FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd, d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118153 ~32:29/06/2024

2025/03757 ~ Complete ~54:AN AI-POWERED REAL-TIME WHATSAPP SPAM DETECTION BOT SYSTEM USING MACHINE LEARNING AND AUTOMATED ALERTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVAN, Sahil;CHILE, Shreyash;CHINCHOLKAR, Somesh;GARUD, Parth;JUNNARKAR, Aparna Atul;PATIL, Swati B.;POL, Rahul S.;RATHI, Snehal R.;WANKHEDE, Disha S.~

2025/03765 ~ Complete ~54:A TRANSPARENT LIQUID CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: SASWATI PUJARI;SHAJAHAN ABDUL KAREEM~ 33:EP ~31:22212173.3 ~32:08/12/2022

. - APPLIED ON 2025/05/05 -

2025/03804 ~ Complete ~54:CARBON-CAPTURE COOLING SYSTEM ~71:TREE ASSOCIATES LTD., King Street House, Upper King Street, Norwich, NR3 1RB, United Kingdom ~72: BERNARD RICHARD KILLINGBECK~ 33:GB ~31:2215831.5 ~32:26/10/2022

2025/03796 ~ Complete ~54:AN AI BASED PERSONALIZED DIET AND WORKOUT MANAGEMENT SYSTEM WITH INTEGRATED CHATBOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEDGAONKAR, Suruchi;FUTANE, Pravin;KODMELWAR, Manohar;KUNJIR, Yash Ravindra;NETKE, Digvijay Sandipan;PATHAK, Kishor;PAWAR, Aditya Umesh;PHAD, Bhagyashri Govind~

2025/03773 ~ Provisional ~54:APPARATUS FOR USE WITH A BARRIER ~71:COCHRANE USA INC, 3551 Lee Hill Dr, Fredericksburg, United States of America ~72: BUCARIZZA, Vlado~

2025/03778 ~ Complete ~54:UPPER LIMB JOINT EXERCISING DEVICE FOR BEDRIDDEN PATIENT ~71:LIYANG PEOPLE'S HOSPITAL, No. 70, Jianshe West Road, Liyang City, People's Republic of China ~72: CHEN, Bo;CHEN, Zhaohua;ZHENG, Danping~

2025/03780 ~ Complete ~54:AN IOT ENABLED TWO-FACTOR AUTHENTICATION (2FA) SYSTEM FOR ENHANCED WEBSITE SECURITY FROM CYBER THREATS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BANDGAR, Sakshi;CHAUDHARI, Archana;CHOUDHARI, Vedant~

2025/03786 ~ Complete ~54:AN IOT BASED SMART COASTER SYSTEM WITH INTELLIGENT TEMPERATURE CONTROL FOR ENHANCING BEVERAGE EXPERIENCE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: POWAR, Payal;SIDANALE, Rijul;SOOD, Shruti;SULTANPURE, Kavita A.;TAMBE, Shubham R.;WASEKAR, Tejas R.~

2025/03789 ~ Complete ~54:AN IMAGING AND MACHINE LEARNING BASED SYSTEM FOR ADVANCED CROP DISEASE DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AHIRE, Utkarsha Ulhas;DESHMUKH, Om Rajendra;JADHAV, Atharv;KODMELWAR, Manohar;MAHADIK, Kalpesh Dinesh;RANE, Aditya;SHEWALE, Chaitali;YELE, Dishant~

2025/03790 ~ Complete ~54:AN AI-DRIVEN ANALYTICS BASED EXPENSE TRACKER SYSTEM FOR STREAMLINING FINANCIAL MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BODKE, Rutuja Dinkar;DOME, Anisha Santosh;FUTANE, Pravin;KODMELWAR, Manohar;PATHAK, Kishor;PATIL, Shrutika Sampatrao;PATIL, Suman Rajaram;WANKHADE, Shalini~

2025/03792 ~ Complete ~54:AN AI DRIVEN MOOD BASED MEAL RECOMMENDATION SYSTEM FOR CAFETERIAS AND RESTAURANTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAT, Saanvi;BOBHATE, Grishma Yadav;GADO, Mithilesh Manoj;KULKARNI, Omkaresh Sakharam;MAHAJAN,

Mithilesh Jitendra;PATIL, Rutuja Rajendra;SABLE, Nilesh P.;SAWANT, Aarya Dattatraya;SHINDE, Gitanjali Rahul;WASATKAR, Namrata Nishant~

2025/03795 ~ Complete ~54:A WEARABLE SAFETY SYSTEM WITH MACHINE LEARNING (ML) INTEGRATION FOR REAL TIME THREAT DETECTION AND ALERT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BOBHATE, Grishma Yadav;DARAK, Aditya;DESHPANDE, Yogesh Dattatray;GHORPADE, Shravani;JADHAV, Yuvraj Ravishankar;KULKARNI, Omkaresh Sakharam;MAHAJAN, Rupali Atul;PATIL, Rutuja Rajendra;SHAHANE, Tanay;SHINDE, Gitanjali Rahul~

2025/03801 ~ Complete ~54:PRODUCT FORMULATION IN BIOLOGICAL MANUFACTURING ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: BARRAL, Rita;COOLBAUGH, Michael;KRISHNAN, Sushmitha~ 33:US ~31:63/414,452 ~32:07/10/2022

2025/03808 ~ Complete ~54:IMPROVEMENTS RELATING TO REACTORS SYSTEMS ~71:BAE SYSTEMS PLC, 6 Carlton Gardens, London, SW1Y 5AD, United Kingdom ~72: JEREMY HENRY OWSTON~ 33:GB ~31:2217176.3 ~32:17/11/2022;33:EP ~31:22275161.2 ~32:16/12/2022

2025/03800 ~ Complete ~54:NOVEL PYRROLO[1,2-D][1,2,4]TRIAZIN-1-ONE DERIVATIVES AS NEGATIVE ALLOSTERIC MODULATORS OF MGLU7 RECEPTORS ~71:NEUROSTERIX PHARMA SÀRL, Chemin des Mines, 9, Switzerland ~72: DERKS, Max, Theodorus, Gerardus, Maria;JANSSEN, Freek, Jan;LACOUR, Antoine, Michel, Lauder;PAPARIN, Jean-Laurent;ROCHER, Jean-Philippe;RUTJES, Floris, Petrus, Johannes, Theodorus;VAN DER KOLK, Marnix, Ruben~ 33:GB ~31:2216962.7 ~32:14/11/2022

2025/03798 ~ Complete ~54:AN AI-DRIVEN CANDIDATE EVALUATION SYSTEM WITH SMART FILTERING AND ENHANCED INSIGHTS FOR STREAMLINING HIRING PROCESS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADHAV, Shubham Dnyandev;BADGUAJAR, Prafulla Sudam;BHANDARI, Mahesh;CHAVAN, Gurunath;FUTANE, Pravin Ramkrishna;KATE, Bhakti Arun;KODMELWAR, Manohar;NAPHADE, Minal Sandip~

2025/03770 ~ Provisional ~54:SMART SIM-BASED PERSONAL BRANDING AND REAL-TIME ENGAGEMENT SYSTEM FOR MOBILE VIRTUAL NETWORK OPERATORS (MVNOS) ~71:Tshegofatso Anthony Papo, 23 mote street atteridgeville Pretoria, South Africa ~72: Tshegofatso Anthony Papo~

2025/03810 ~ Provisional ~54:EVOLUTIONS SOLUTION ~71:ALAN GEMMELL, 115 FAERIE GLEN ESTATE MARGATE KWA-ZULU NATAL, South Africa;BURFORD MARK OFTEBRO, 115 FAERIE GLEN ESTATE MARGATE KWA-ZULU NATAL, South Africa ~72: ALAN GEMMELL;BURFORD MARK OFTEBRO~

2025/03779 ~ Complete ~54:AN AUTOMATED ANOMALY DETECTION AND ADAPTIVE PID CONTROL SYSTEM FOR TEMPERATURE REGULATION IN CHEMICAL REACTOR ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Mayur;IKAR, Mitesh;SABLE, Sunil~

2025/03784 ~ Complete ~54:A SMART AND SECURE RETAIL SHOPPING AUTOMATION SYSTEM FOR THEFT PREVENTION AND INVENTORY MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KAD, Sarish;KAPRE, Ved;KSHIRSAGAR, Urvi;MADNURKAR, Parth;SONDKAR, Shilpa~

2025/03797 ~ Complete ~54:A HOME AUTOMATION SYSTEM WITH CLOUD INTEGRATION, VOICE CONTROL AND BUZZER FEEDBACK ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72:

DEDGAOKAR, Suruchi;DEOGADE, Aman;DESHMUKH, Arpit;FUTANE, Pravin;HAGE, Kunal;JADIYE, Om;KODMELWAR, Manohar;NAIK, Pratik;WANJALE, Kirti~

2025/03802 ~ Complete ~54:ANTIBODY-DRUG CONJUGATES TARGETING UPARAP COMPRISING EXATECAN DERIVATIVES ~71:ADCENDO APS, c/o Symbion Fuglebakken, Nordre Fasanvej 215, Denmark ~72: LYNCH, Carmel;MUMBERG, Dominik;NIELSEN, Christoffer Fagernæs;WANG, Feng;ZHANG, Yu;ZHU, Zhongyuan~ 33:CN ~31:PCT/CN2022/142620 ~32:28/12/2022;33:EP ~31:23199767.7 ~32:26/09/2023

2025/03805 ~ Complete ~54:DETECTING LIVER CANCER USING CELL-FREE DNA FRAGMENTATION ~71:THE JOHNS HOPKINS UNIVERSITY, 3400 North Charles Street, Baltimore, Maryland, 21218, United States of America ~72: AKSHAYA ANNAPRAGADA;DANIEL C BRUHM;ROBERT B SCHARPF;VICTOR VELCULESCU;ZACHARIAH FODA~ 33:US ~31:63/423,003 ~32:06/11/2022

2025/03771 ~ Provisional ~54:CONSUMPTION OF FUEL ~71:REFUEL IOT (PTY) LTD, 3rd Floor Palm Grove, Houghton Estate Office Park, 2 Osborn Rd, Houghton Estate, South Africa ~72: LUNTZ, Ricky~

2025/03776 ~ Complete ~54:HIGH-VOLTAGE SWITCHGEAR MOVING AND STATIONARY CONTACTS ENGAGEMENT DEPTH DETECTION DEVICE ~71:SHANDONG POLYTECHNIC, No. 23000, Jingshi East Road, Jinan, People's Republic of China ~72: CUI, Jing-ping;GENG, Kai;KUANG, Wei~

2025/03782 ~ Complete ~54:A PELTIER TECHNOLOGY BASED BATTERY COOLING AND HEATING SYSTEM FOR ELECTRIC VEHICLES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHATLAWANDE, Shripad;MADAKE, Jyoti;SHILASKAR, Swati;SHINDE, Shobit;SINGAR, Sai;SONAWANE, Abhijit~

2025/03788 ~ Complete ~54:AN INTEGRATED AI SYSTEM FOR MEDICAL REPORT ANALYSIS AND MULTILINGUAL DOCUMENTATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Archana;SANDBHOR, Saurabh;SHELKE, Pranav;THOMBARE, Pratamesh~

2025/03791 ~ Complete ~54:AN AI BASED FINANCIAL EDUCATION AND MANAGEMENT SYSTEM FOR STUDENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGAD, Sudhir Gajanan;BAGUL, Pratik Dilip;DEDGAOKAR, Suruchi;FUTANE, Pravin;HONMANE, Suraj Sandip;KODMELWAR, Manohar;SINGH, Chirag;WANJALE, Kirti~

2025/03793 ~ Complete ~54:A MACHINE LEARNING AND SENSORS BASED SMART REFEREEING AND REAL-TIME STRATEGY ASSISTANCE SYSTEM FOR UNDERWATER HOCKEY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BOBHATE, Grishma Yadav;CHAVHAN, Pranali Gajanan;KULKARNI, Omkaresh Sakharam;MARATHE, Mahesh Dhanraj;MEHTA, Pradnya Samit;MOTA, Riya Bipin;PATIL, Rutuja Rajendra;SHINDE, Gitanjali Rahul;THAKRE, Mangesh Vishwas;WANKHADE, Renuka Sunil~

2025/03799 ~ Complete ~54:THERAPEUTIC TYROSINE KINASE INHIBITORS FOR MULTIPLE SCLEROSIS ~71:PRINCIPIA BIOPHARMA INC., 55 Corporate Drive, Bridgewater, New Jersey, United States of America ~72: DUKOVIC, Deborah;SYED, Sana;TURNER, Timothy J.~ 33:US ~31:63/415,027 ~32:11/10/2022;33:US ~31:63/433,873 ~32:20/12/2022

2025/03806 ~ Complete ~54:ANIMAL STUNNING ENCLOSURE ~71:JARVIS PRODUCTS CORPORATION, 33 Anderson Road, Middletown, Connecticut, 06457, United States of America ~72: ROBERT HAWORTH~ 33:US ~31:63/384,670 ~32:22/11/2022

2025/03772 ~ Provisional ~54:TRACECARDS - REAL-TIME CARD SECURITY & CONTROL ~71:Mogomotsi Boitse, 1027 Kutlwano Street, South Africa ~72: Mogomotsi Boitse~

2025/03777 ~ Complete ~54:ROCK BOLT AND WASHER ~71:MSP MINE SUPPORT PRODUCTS (PTY) LTD, 108 Houtkop Rd, South Africa ~72: NISSEN, Christian Engelstoft~ 33:ZA ~31:2024/06744 ~32:02/09/2024

2025/03781 ~ Complete ~54:AN IOT AND IMAGE PROCESSING BASED REAL-TIME POTHOLE DETECTION AND ALERTS SYSTEM FOR ROAD SAFETY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AWARI, Janhavi;BHADANE, Om;GAVATE, Aditya;MUNDADA, Kapil~

2025/03787 ~ Complete ~54:A UNIVERSAL SERIAL BUS KEY BASED AUTHENTICATION SYSTEM FOR ENSURING THE SECURITY OF SOCIAL MEDIA ACCOUNTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JAGTAP, Stuti;SONDKAR, Shilpa;WATH, Samrudhi~

2025/03803 ~ Complete ~54:METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR SYNCHRONISING DATA BETWEEN MULTIPLE APPLICATIONS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: GEMPERLINE, Benjamin;GREEN, Matthew;KASSAY, Jason;POPE, Benjamin;WOLF, Zachary~ 33:AU ~31:2022903361 ~32:10/11/2022

2025/03809 ~ Provisional ~54:WILLIEE ~71:Mr Thapelo Malaka, 18 15TH STREET AVENUE EXT 7, ATTERIDGEVILLE WEST, South Africa ~72: Mr Thapelo Malaka ~

2025/03785 ~ Complete ~54:A CLASSIFICATION SYSTEM WITH TRIANGULAR PATTERN RECOGNITION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADAK, Shantanu;AGARWAL, Priyasha;AGRAWAL, Nupur;DHABE, Priyadarshan;DONGRE, Shital;MATTOO, Aaryan;UPADHYE, Gopal~

2025/03807 ~ Complete ~54:FUEL ASSEMBLY FOR A REACTOR ~71:BAE SYSTEMS PLC, 6 Carlton Gardens, London, SW1Y 5AD, United Kingdom ~72: JEREMY HENRY OWSTON~ 33:EP ~31:22275145.5 ~32:17/11/2022;33:GB ~31:2217177.1 ~32:17/11/2022

2025/04099 ~ Provisional ~54:MODSURE ~71:Jaryd, 36 Sandalwood Crescent, South Africa ~72: Jaryd Maclean~

2025/03851 ~ Provisional ~54:PUREHEMP ~71:Ayamthanda Madikane, 04, South Africa ~72: Ayamthanda Madikane~

2025/03774 ~ Provisional ~54:INCLUSIVE PARTICIPATION ARCHITECTURE AND SOFTWARE SYSTEM AND METHOD FOR ESG-ALIGNED ECONOMIC ACCELERATION ~71:George Smith, 11 Vorster Place, South Africa ~72: George Smith~

2025/03775 ~ Complete ~54:FLEXIBLE ULTRA-WIDEBAND (UWB) WEARABLE ANTENNA USING POLYTETRAFLUOROETHYLENE (PTFE) SUBSTRATE FOR WIRELESS COMMUNICATION APPLICATIONS ~71:Dr. Mugdha Anand Kango, PES’s Modern College of Engineering, 1186/A, Off J.M. Road, Shivajinagar, Pune, Maharashtra, 411005, India ~72: Dr. Mugdha Anand Kango~

2025/03783 ~ Complete ~54:A DEEP LEARNING BASED COMPREHENSIVE ROAD QUALITY ASSESSMENT SYSTEM FOR ENSURING ROAD SAFETY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DONGRE, Shital;KULKARNI, Neel;LAGDIVE, Shivam;MEHENDALE, Eshan;NIMGAONKAR, Saloni;SADAVARTE, Koushal~

2025/03794 ~ Complete ~54:AN IMAGE RECOGNITION AND GAS DETECTION SENSOR BASED SMART TOMATO SORTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BOBHATE, Grishma Yadav;KULKARNI, Omkaresh Sakharam;KULKARNI, Prerna Ashok;MAHALLE, Parikshit Narendra;PATIL, Rutuja Rajendra;PINGALE, Abhishek Vijay;SAROLKAR, Yash Shailesh;SARWE, Nidhi Krushnakumar;SHINDE, Gitanjali Rahul~

. - APPLIED ON 2025/05/06 -

2025/03813 ~ Provisional ~54:DRILL ROD ~71:LOURENS JOHANNES ROTHMANN, 96 Innes Road, Nuffield, Springs, 1559, South Africa ~72: LOURENS JOHANNES ROTHMANN~

2025/03822 ~ 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

2025/03830 ~ Complete ~54:SHUTTER ASSEMBLY FOR A WINDOW ~71:LOUVER LITE LIMITED, ASHTON ROAD, HYDE CHESHIRE SK 14 4BG, GREAT BRITAIN, United Kingdom ~72: GREENING, Andrew~ 33:GB ~31:2214917.3 ~32:10/10/2022

2025/03834 ~ Complete ~54:TREATMENT OF NEUROLOGICAL DISORDER USING NHR ~71:Ocugen, Inc., 11 Great Valley Parkway, MALVERN 19355, PA, USA, United States of America ~72: UPADHYAY, Arun Kumar~ 33:US ~31:63/423,481 ~32:07/11/2022

2025/03841 ~ Complete ~54:GENETICALLY ENGINEERED CELLS HAVING ANTI-NECTIN4 CHIMERIC ANTIGEN RECEPTORS, AND USES THEREOF ~71:Century Therapeutics, Inc., 25 North 38th Street, 11th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: BORGES, Luis;CARTON, Jill Marinari;HALL, Matthew S.;NASO, Michael Francis;WALLET, Mark;WHEELER, John~ 33:US ~31:63/383,089 ~32:10/11/2022

2025/03828 ~ Complete ~54:LEAK-TESTING MOCK-UP FOR SEAL WELDING OF END-FACE STIFFENER WITH DOUBLE-LAYER THIN-WALLED D-SHAPED CROSS-SECTION AND MANUFACTURING METHOD ~71:XI'AN NUCLEAR EQUIPMENT CO., LTD, No. 5 Weibin Street, Xujiawan, People's Republic of China ~72: LIU, Quanyin;MEN, Wei;RONG, Hua;WU, Xiaoqiang~ 33:CN ~31:202410123902.8 ~32:30/01/2024

2025/03833 ~ Complete ~54:TOPICAL COMPOSITIONS COMPRISING AN ESTETROL COMPONENT AND USE OF SAID COMPOSITIONS FOR WOUND HEALING ~71:Neuralis SA, Rue Saint-Georges 5, LIÈGE 4000, BELGIUM, Belgium ~72: GAIDE CHEVRONNAY, Héloise;GERARD, Céline;HARDMAN, Matthew James;RONSONI ZANCAN, Lali~ 33:EP ~31:22200360.0 ~32:07/10/2022

2025/03898 ~ Provisional ~54:RADIO FREQUENCY ROAD HAZARD DRIVE ~71:Michael Grunyuza, 220 Madiba Street, Live easy, South Africa ~72: Michael Grunyuza~

2025/03814 ~ Provisional ~54:SCOPEMATE+ ~71:Tshepo, 73 Numeral Street, South Africa ~72: Tshepo Mokone~ 33:ZA ~31:ScopeMate2025A ~32:05/05/2025

2025/03824 ~ Complete ~54:MORTISE-AND-TENON THREE-DIMENSIONAL PRINTED CONCRETE FORMWORK AND MANUFACTURING DEVICE ~71:CHINA CONSTRUCTION SIXTH ENGINEERING BUREAU FIFTH CONSTRUCTION CO., LTD, Room 740, 7th Floor, No. 9, Jianshe South Street, Chenghua District,

Chengdu City, Sichuan Province, People's Republic of China ~72: CHEN Ke;LIU Wei;LUO Wei;ZHANG Zhaohuan;ZHU Xiaoliu~ 33:CN ~31:2025104628516 ~32:14/04/2025

2025/03835 ~ Complete ~54:GLUCAGON-LIKE PEPTIDE 1 RECEPTOR AGONISTS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: CHEN, Qi;FIELDS, Todd;GHANEKAR, Pushkar Gajendra;HAMMILL, Jared Thomas;WOERLY, Eric Michael~ 33:US ~31:63/425,751 ~32:16/11/2022

2025/03838 ~ Complete ~54:MODIFIED OLIGONUCLEOTIDES ~71:Pharmorage Pty Limited, Suite 201, 697 Burke Road, Camberwell, 3124, VICTORIA, AUSTRALIA, Australia ~72: GANTIER, Michael;LACZKA, Olivier;SAPKOTA, Sunil;SPEIR, Mary;WENHOLZ, Daniel~ 33:AU ~31:2022902992 ~32:12/10/2022;33:AU ~31:2023901499 ~32:16/05/2023

2025/03844 ~ Complete ~54:PROCESS AND SYSTEM FOR POLE AND CONDUCTOR INSTALLATION FOR CHARGING WHILE MOVING ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: RAJESH, Roopa;STRASHNY, Igor~ 33:US ~31:17/985,024 ~32:10/11/2022

2025/03845 ~ Complete ~54:ELECTRIC DRIVE MACHINE HAVING POWER DISTRIBUTION UNIT CONFIGURED FOR LIMP HOME OPERATION AND METHOD ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BAILEY, Bradley S.;BAUMANN, Jonathan M.;MILLER, Jason L.;MOKIRE, Mahesh K.~ 33:US ~31:63/424,338 ~32:10/11/2022

2025/03821 ~ Complete ~54:A LIFT AND LOCK ARRANGEMENT ~71:DEERE & COMPANY, One John Deere Place, Moline, Illinois, 61265, United States of America ~72: AKSHAY MAHADIK;ANKAN MANDAL;RAJASEKAR SIDDHESHWARAN;ROUSHAN KUMAR~ 33:IN ~31:202421075204 ~32:04/10/2024

2025/03827 ~ Complete ~54:METHOD FOR THE TREATMENT OF PYROLYSIS OILS IN ORDER TO USE SAME IN A STEAM-CRACKING UNIT ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois Préau, France;REPSOL S.A., C/ Mendez Alvaro, Spain ~72: BONNARDOT, Jérôme;DE SOUSA DUARTE, Marisa;DECOTTIGNIES, Dominique;RIBAS SANGUESA, Inigo;SOUCHON, Vincent;STORDEUR, Benedicte;WEISS, Wilfried~ 33:FR ~31:FR2214124 ~32:21/12/2022

2025/03847 ~ Complete ~54:ELECTRICAL ARCHITECTURE FOR BATTERY POWERED MACHINE ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: ANDRIS, Eric M.;BAILEY, Bradley S.;HENDRICKSON, Matthew L.;SELVEY, Dustin C.;STRASHNY, Igor~ 33:US ~31:17/981,849 ~32:07/11/2022

2025/03812 ~ Provisional ~54:CANOPY DRAWER SYSTEM ~71:JULIEN MARCHAL, 344, 25th AVENUE, VILLIERIA, South Africa ~72: JULIEN MARCHAL~

2025/03817 ~ Complete ~54:GENERATOR ELECTROMECHANICAL PROTECTION DEVICE FOR ELECTRICAL ENGINEERING ~71:Fujian Yueshan Energy Technology Co., Ltd., Room 601, No. 1, Shiluogu North Lane, Suxi, Xicheng, Xinluo District, Longyan City, Fujian Province, 364031, 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: DENG Lifeng;DENG Zihan;LEI Zuozhao;LOU Tong;NIU Zhehui;PANG Binbin;PANG Kaige;ZHONG Zhiguang~

2025/03826 ~ Complete ~54:FASTENER CONNECTOR DISASSEMBLY DEVICE AND CONTROL METHOD THEREFOR ~71:CHINA CONSTRUCTION SIXTH ENGINEERING BUREAU FIFTH CONSTRUCTION CO., LTD, Room 740, 7th Floor, No. 9, Jianshe South Street, Chenghua District, Chengdu City, Sichuan Province, People's

Republic of China ~72: CHEN Ke;GUAN Chunlei;LIU Wei;MA Chunlei;ZHANG Zhaohuan~ 33:CN ~31:2024105894076 ~32:13/05/2024

2025/03840 ~ Complete ~54:ASIAN SOYBEAN RUST RESISTANCE GENES ~71:Two Blades Foundation, 1630 Chicago Avenue, Suite 1312, EVANSTON 60201, IL, USA, United States of America ~72: GUPTA, Yogesh Kumar;ILK-MAINTZ, Nadine;ROMERO, Cynara Cassandri Teixeira;VAN ESSE, Hendrikus Pieter~ 33:US ~31:63/383,775 ~32:15/11/2022

2025/03815 ~ Complete ~54:ASSIST DEVICE FOR EYESIGHT TEST ~71:Anhui Medical College, 632 Furong Road, Hefei City, Anhui Province, 230601, People's Republic of China ~72: LIU, Fei;LIU, Jiachen;LUO, Yuanyuan;QIU, Dongrong;SU, Yu;TIAN, Mi~

2025/03816 ~ Complete ~54:AIR CONDITIONER CONDENSATE WATER COLLECTION DEVICE FOR BUILDING WATER SUPPLY AND DRAINAGE ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 21 Bohai Avenue, Caofeidian New City, Tangshan City, Hebei, 063000, People's Republic of China ~72: CHANG, Li;LI, Wenqi;SHAO, Zitong;ZHANG, Duo~ 33:CN ~31:202510410812.1 ~32:02/04/2025

2025/03811 ~ Provisional ~54:DEVICE AND METHOD FOR SURVEYING AN UNDERGROUND HORIZONTAL DRILLING OPERATION ~71:DESA DRILLING AND EQUIPMENT CC, 101 15th Avenue, Anderbolt, South Africa ~72: BOTHA, Christiaan;BOTHA, De Wet;BOTHA, Saks;FOURIE, Johan~

2025/03829 ~ Complete ~54:AUTOMATIC CLASSIFICATION AND RECYCLING SYSTEM FOR ELECTRONIC WASTE BASED ON ARTIFICIAL INTELLIGENCE IDENTIFICATION ~71:Zhejiang Huijin Environmental Protection Technology Co., Ltd, Longbanshan District, Yunfeng Street Industrial Park, Suichang County, Lishui City, Zhejiang Province, People's Republic of China ~72: Cao Haizhou;Cui Shufen;Lin Lefeng;Peng Xuebing;Qi Chuan;Weng Jianwu;Xin Xiaotong;Ye Chao;Zhang Feng;Zhang Zhi;Zhou Fang~ 33:CN ~31:2024114426484 ~32:16/10/2024

2025/03842 ~ Complete ~54:HOT ROLLED STEEL PLATE WITH HIGH WEAR RESISTANCE AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Alexandre GIORGI;Céline KNAFOU;David QUIDORT~ 33:IB ~31:PCT/IB2022/062059 ~32:12/12/2022

2025/03846 ~ Complete ~54:POWER ELECTRONIC SYSTEMS PACKAGED USING COMMON HEAT SINK AND ENCLOSURE ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: GARRABRANT, Michael R.;KETCHAM, Luke A.;KUAI, Yingying;MADHAVANN, Suudharshana;WILLIAMS, Matthew Ernest~ 33:US ~31:17/984,505 ~32:10/11/2022

2025/03819 ~ Complete ~54:METHOD OF PROVIDING ACCESS FOR REDUCED CAPABILITY DEVICES, USER EQUIPMENT, AND BASE STATION THEREOF ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KAIKKONEN, Jorma, Johannes;KOSKINEN, Jussi-Pekka;TURTINEN, Samuli, Heikki~ 33:US ~31:63/021,819 ~32:08/05/2020

2025/03831 ~ Complete ~54:SHUTTER ASSEMBLY ~71:LOUVER LITE LIMITED, ASHTON ROAD, HYDE CHESHIRE SK 14 4BG, GREAT BRITAIN, United Kingdom ~72: GREENING, Andrew~ 33:GB ~31:2214917.3 ~32:10/10/2022

2025/03837 ~ Complete ~54:METHOD AND DEVICE FOR DETECTING ANOMALIES ALONG A RAILWAY TRACK ~71:Sensonic GmbH, Bahnhofstrasse 57a, SCHÄRDING 4780 , AUSTRIA, Austria ~72: DEETLEFS, Richard;ZEILINGER, Rene~ 33:EP ~31:22203763.2 ~32:26/10/2022

2025/03820 ~ Complete ~54:A METERING UNIT ~71:DEERE & COMPANY, One John Deere Place, Moline, Illinois, 61265, United States of America ~72: MAHESH DHARAMKAR;RAJASEKAR SIDDHESHWARAN;SATHISH THIRUMALAI~ 33:IN ~31:202421074956 ~32:04/10/2024

2025/03825 ~ Complete ~54:SELF-ASSEMBLY TYPE DISASSEMBLY AUXILIARY DEVICE FOR BUTT BOLT ~71:CHINA CONSTRUCTION SIXTH ENGINEERING BUREAU FIFTH CONSTRUCTION CO., LTD, Room 740, 7th Floor, No. 9, Jianshe South Street, Chenghua District, Chengdu City, Sichuan Province, People's Republic of China ~72: GUAN Chunlei;LIU Wei;LUO Wei;ZHANG Zhaohuan;ZHU Xiaoliu~ 33:CN ~31:2025103173725 ~32:18/03/2025

2025/03839 ~ Complete ~54:IONIZABLE LIPIDS AND LIPID NANOPARTICLE COMPOSITIONS FOR THE DELIVERY OF NUCLEIC ACIDS ~71:Seawolf Therapeutics, Inc., 9880 Campus Point Drive, Suite 210, SAN DIEGO 92121, CA, USA, United States of America ~72: BURKE, Rob;SAGI, Amit~ 33:US ~31:63/425,969 ~32:16/11/2022;33:US ~31:63/455,243 ~32:28/03/2023

2025/03850 ~ Complete ~54:METHOD FOR TREATING AND/OR PREVENTING EDEMATOUS FIBROSCLEROTIC PANNICULOPATHY ~71:CALIWAY BIOPHARMACEUTICALS CO., LTD., 32F.-9, No. 99, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City, 221, People's Republic of China ~72: YU-FANG LING~ 33:US ~31:63/384,605 ~32:22/11/2022

2025/03896 ~ Provisional ~54:DECENTRALIZED DIGITAL CURRENCY-TO-CASH AND DIGITALCURRENCY-TO-GOODS SETTLTMENT SYSTEM USING MOBILE POINT-OF-SALE TERMINALS WITH UNIFIED FLOAT MANAGEMENT ~71:FRANCOIS PIERRE JOUBERT, 521, 20TH AVENUE, RIETFONTEIN, South Africa ~72: FRANCOIS PIERRE JOUBERT~

2025/03832 ~ Complete ~54:PISTON TYPE GAS POWER WELL ENERGY STORAGE AND POWER GENERATION SYSTEM AND ENERGY STORAGE AND POWER GENERATION METHOD ~71:Chenxi ZHANG, 19-6-601, No. 868 Laomancheng Street, Shayibak District, Urumqi City, People's Republic of China;Chenyu ZHANG, 19-6-601, No. 868 Laomancheng Street, Shayibak District, Urumqi City, People's Republic of China;Luguo ZHANG, 19-6-601, No. 868 Laomancheng Street, Shayibak District, Urumqi City, People's Republic of China ~72: Chenxi ZHANG;Chenyu ZHANG;Luguo ZHANG~

2025/03848 ~ Complete ~54:WAVE ENERGY CONVERTER ~71:GOBY AS, Sjøenvegen 52, 4270, Åkrehamn, Norway ~72: FREDDY KNUTSEN~ 33:EP ~31:22204804.3 ~32:31/10/2022

2025/03818 ~ Complete ~54:DECENTRALIZED IDENTITY AUTHENTICATION SYSTEM BASED ON BLOCKCHAIN AND MULTI-FACTOR BIOMETRIC IDENTIFICATION ~71:Hangzhou Hikvision System Technology Co., Ltd., 19th Floor, Building B, Building 1, No. 555 Qianmo Road, Binjiang District, Hangzhou City, Zhejiang Province, 310051, People's Republic of China;Zhejiang L And H Law Firm, 20th Floor, North Building, Gongyuan Mansion, No. 8 Qiushi Road, Xihu District, Hangzhou City, Zhejiang Province, 310063, People's Republic of China ~72: CHEN, Tingting;ZHANG, Liangqian~

2025/03823 ~ Complete ~54:PROTEINS FOR THE DETECTION OF SCHISTOSOMA INFECTION ~71:MERCK PATENT GMBH, Frankfurter Strasse 250, 64293, Darmstadt, Germany ~72: ALEX LOUKAS;BEATRICE GRECO;CLAUDE OEUVRAY;JAVIER SOTILLO-GALLEGO;MARK PEARSON~ 33:EP ~31:20204189.3 ~32:27/10/2020

2025/03836 ~ Complete ~54:FACTOR XI CATALYTIC DOMAIN-BINDING ANTIBODIES AND METHODS OF USE THEREOF ~71:Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, TARRYTOWN 10591, NY, USA, United States of America ~72: CHALOTHORN, Dan;LAI, KehDih;MORTON, Lori C.~ 33:US ~31:63/423,272 ~32:07/11/2022

2025/03843 ~ Complete ~54:DEPLOYABLE POWER RAIL CONNECTOR FOR ELECTRIC MACHINE AND METHOD ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: STRASHNY, Igor;WINCKLER, Kurt L.~ 33:US ~31:17/984,508 ~32:10/11/2022

2025/03849 ~ Complete ~54:GYRATORY CRUSHER, CONTROL DEVICE THEREOF, AND METHOD OF CONTROLLING GYRATORY CRUSHER ~71:KABUSHIKI KAISHA EARTHTECHNICA, 2-4, Kandajinbo-cho, Chiyoda-ku, Tokyo, 1010051, Japan ~72: JUN KOBAYASHI;KEITA YAMAMOTO;MORIYUKI SAKAMOTO;MOTOAKI ISHIZAWA;NOBUYUKI KAJITA;TAKASHI KIJIMA~ 33:JP ~31:2022-165077 ~32:13/10/2022

. - APPLIED ON 2025/05/07 -

2025/03883 ~ Complete ~54:TRANSGENIC CORN EVENT ZM_CSM63715 AND METHODS FOR DETECTION AND USES THEREOF ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: BAUER, Matthew;BROWN, Sarah;GAETA, Robert Thomas;GOLEY, Michael Edward;GUO, Shirley;HALL, Erin Lyn;KOURANOV, Andrei;LARUE, Clayton Tyler;PENG, Mingsheng;RYMARQUIS, Linda;SPARKS Jr., Oscar Cornelius;YE, Xudong~ 33:US ~31:63/476,272 ~32:20/12/2022

2025/03884 ~ Complete ~54:A CEMENTED CARBIDE BASED COMPOSITE ARTICLE ~71:Sandvik SRP AB, Stationsplan 1, SVEDALA 23381, SWEDEN, Sweden ~72: ESBELANI, Hodin~ 33:EP ~31:22206692.0 ~32:10/11/2022

2025/03891 ~ Complete ~54:NON-CONTRASTIVE UNSUPERVISED LEARNING OF PHYSIOLOGICAL SIGNALS FROM VIDEO ~71:SECURIPORT, LLC, 1900 Reston Metro Plaza, Suite 800, Reston, Virginia, 20190, United States of America;UNIVERSITY OF NOTRE DAME DU LAC, 1400 East Angela Blvd., South Bend, Indiana, 46617, United States of America ~72: ADAM CZAJKA;JEREMY SPETH;JUAN MANUEL SEGURA;NATHAN CARPENTER;NATHAN VANCE;PATRICK FLYNN~ 33:US ~31:63/424,606 ~32:11/11/2022

2025/03899 ~ Provisional ~54:ESIBAYENI AGRITECH ~71:Andile Mbele, 40 Joubert Street Morelig Bethlehem, South Africa ~72: Andile Mbele~

2025/03890 ~ Complete ~54:INTERMITTENT DOSING REGIMEN FOR AZENOSERTIB IN TREATING CANCER ~71:Zeno Management, Inc., 10275 Science Center Drive, Suite 200, SAN DIEGO 92121, CA, USA, United States of America ~72: BLACKWELL, Kimberly;BUNKER, Kevin Duane;DE JONG, Petrus Rudolf;DONATE, Fernando;HUANG, Peter Qinhua;LACKNER, Mark;LI, Jiali;MA, Jianhui;NGAARA-WOODWARD, Caroline;SAMATAR, Ahmed Abdi~ 33:US ~31:63/382,830 ~32:08/11/2022;33:US ~31:63/459,543 ~32:14/04/2023;33:US ~31:63/506,025 ~32:02/06/2023

2025/03865 ~ Complete ~54:ALBINO MUTANT STRAIN WHITE BRAIN FUNGUS OF AURICULARIA POLYTRICHA AND ARTIFICIAL CULTIVATION METHOD THEREFOR ~71:Heilongjiang heizhen biotechnology co., ltd, No.3 Yuan Ye Road, Hailun Town, Hailun City, Suihua City, Heilongjiang Province, 152300, People's Republic of China;Jilin Agricultural University, No.2888, Xincheng Street, Nanguan District, Changchun City, Jilin Province, 130118, People's Republic of China ~72: LI Xiao;YIN Minghe;ZHANG Bo~ 33:CN ~31:2023113635666 ~32:19/10/2023

2025/03869 ~ Complete ~54:CLOSED-LOOP CRYOGENIC SYSTEMS AND PROCESSES FOR TREATING CERVICAL ABNORMALITIES ~71:ANANYA HEALTH INC., 101 Mississippi Street, United States of America ~72: ADDIS, Bruce;BURNETT, Daniel;CHANG, Wei-Hsiang;ESTERKYN, Nathan;LEHMANN, David;PARVATIYAR, Anubhuti;SKIELLER, Christina;YIP, Julie~ 33:US ~31:63/382,686 ~32:07/11/2022

2025/03871 ~ 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;GHAZNAVI YOUVALARI, Ramin;LAINEMA, Jani~ 33:FI ~31:20225928 ~32:13/10/2022

2025/04003 ~ Complete ~54:USE OF GNRH ANTAGONIST IN REGULATION AND CONTROL OF ESTRUS OF MAMMAL ~71:BEIJING VJTBIO CO., LTD., Building 2, No. 9 Courtyard, Yongteng North Road, Yongfeng Base, Haidian District, People's Republic of China ~72: HAN, Guo;LUO, Haoshu;SHI, Lei;ZHANG, Jiawei~ 33:CN ~31:202211376492.5 ~32:04/11/2022

2025/03856 ~ Provisional ~54:HOLLOW BAR TECHNOLOGY ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2025/03886 ~ Complete ~54:SALTS AND SOLID FORMS OF A COMPOUND HAVING APJ RECEPTOR ACTIVITY ~71:Annapurna Bio, Inc., 601 Gateway Blvd, Suite 900, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: CHEN, Libo;JIANG, Xinglong~ 33:IB ~31:2022/131179 ~32:10/11/2022

2025/03894 ~ Complete ~54:ALPHA-V BETA-6(???6) INTEGRIN LIGANDS FOR EXTRAHEPATIC DELIVERY ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: BHAUMIK PANDYA;BRYAN INGOGLIA;JAYAPRAKASH K NAIR;JOSEPH DAVID PANARESE;JUSTIN PIERSON;KARYN SCHMIDT;KEVIN DOOLEY;MASAAKI NAKATA;OLIVER GALLOWAY;SCOTT LENTINI;VASANT R JADHAV;YESSEINIA ANGLERO-RODRIGUEZ~ 33:US ~31:63/432,448 ~32:14/12/2022

2025/03889 ~ Complete ~54:CONSUMABLE FOR AEROSOLISABLE FORMULATION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DYER, Sarah;FRASER, Rory;FRIEDRICH, Ludwig;MCLACHLAN, George~ 33:GB ~31:2217145.8 ~32:16/11/2022

2025/03892 ~ Complete ~54:TRICYCLIC COMPOUNDS ~71:SCHRÖDINGER, INC., 1540 Broadway, 24th Floor, New York, New York, 10036, United States of America ~72: ALEKSEY IGOREVICH GERASYUTO;ANDREW PLACZEK;ANTHONY JOHN CLARK;JENNIFER LYNN KNIGHT;JIASHI WANG;PHANI GHANAKOTA;PIETER HARM BOS~ 33:US ~31:63/425,218 ~32:14/11/2022

2025/03893 ~ Complete ~54:COMPOUNDS, COMPLEXES, AND METHODS FOR THEIR PREPARATION AND OF THEIR USE ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ADRIAN L GILL;ANDREAS BUCKL;ANNE V EDWARDS;CHRISTOPHER SEMKO;ELENA S KOLTUN;G. LESLIE BURNETT;JAMES AGGEN;JENNIFER PITZEN;JOHN E KNOX;MICAH JAMES GLIEDT~ 33:US ~31:63/424,079 ~32:09/11/2022

2025/03895 ~ Complete ~54:PESTICIDAL COMPOSITION CONTAINING A COMPOUND COMPRISING A 1,2,4-TRIAZOL GROUP AND A 4-OXOTHIAZOL GROUP AND ANOTHER PESTICIDE ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: ADAM GASPAR;DANIEL KIRK;DWAIN RULE;GERALD WATSON;NATALIE C GIAMPIETRO;SCOTT O'NEAL~ 33:US ~31:63/382,543 ~32:07/11/2022

2025/03879 ~ Complete ~54:CAUSING A BATTERY OF A MACHINE TO ENTER INTO A CHARGING STATE ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: DENNING, Dustin D.;MILLER, Jason L.;NEE, Brett M.;THADUVAYI, Srikar;WYNKOOP, Christopher L.~ 33:US ~31:18/054,826 ~32:11/11/2022

2025/04004 ~ Complete ~54:LOCKING BLOCKS AND METHODS OF USING SAME ~71:MOXIETEC, LLC, 770 Liberty Street Ext Grove City, United States of America ~72: JORDAN, Donald;MOHEBBI, Abolgazl~ 33:US ~31:63/379,491 ~32:14/10/2022

2025/03872 ~ Complete ~54:AGRICULTURAL TILLAGE IMPLEMENT AND ASSEMBLIES ~71:K S PATERSON NOMINEES PTY LTD, P.O.BOX 43, BUTE, SOUTH AUSTRALIA 5560, AUSTRALIA, Australia ~72: PATERSON, Kentyn, Scot~ 33:AU ~31:2022902971 ~32:10/10/2022

2025/03876 ~ Complete ~54:VEHICLE BAG ~71:Ludwig LINDERMAYER, Marquartsteiner Str. 4, Germany ~72: Ludwig LINDERMAYER~ 33:LU ~31:LU103032 ~32:09/11/2022

2025/03878 ~ Complete ~54:METHOD AND APPARATUS FOR MAINTAINING CONTACT BETWEEN A SLIDABLE CURRENT COLLECTOR AND A CONDUCTOR RAIL ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: MELCHIOR, Luke T.~ 33:US ~31:17/985,673 ~32:11/11/2022

2025/03873 ~ Complete ~54:METHOD OF IMPROVING SKELETAL MUSCLE FUNCTION ~71:ASCENDIS PHARMA GROWTH DISORDERS A/S, TUBORG BOULEVARD 12, 2900 HELLERUP, DENMARK, Denmark ~72: KJELGAARD-HANSEN, Mads, Jens;SPROGØE, Kennett;WINDING, Bent~ 33:EP ~31:22207210.0 ~32:14/11/2022;33:EP ~31:PCT/EP2022/085414 ~32:12/12/2022;33:EP ~31:23162994.0 ~32:20/03/2023;33:EP ~31:23180740.5 ~32:21/06/2023

2025/03877 ~ Complete ~54:METHOD FOR MANUFACTURING DIRECT REDUCED IRON WITH A LOW CARBON CONTENT ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg;FORM ENERGY, INC., 30 Dane St., United States of America ~72: Dmitri BOULANOV;Mahdi FARAHANI;Marcelo ANDRADE~ 33:IB ~31:PCT/IB2022/062380 ~32:16/12/2022

2025/03880 ~ Complete ~54:MODULAR THERMAL MANAGEMENT SYSTEM CONTROL ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: SCHACHE, Bryan K.;TIPTON, Scott A.~ 33:US ~31:18/054,828 ~32:11/11/2022

2025/03882 ~ Complete ~54:BEVERAGE POD SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: CAMIER, Nicolas;KOLLEP, Alexandre;VUAGNIAUX, Didier~ 33:EP ~31:22201512.5 ~32:14/10/2022

2025/03885 ~ Complete ~54:COMPOSITIONS AND METHODS FOR REGULATING MAPT ~71:Voyager Therapeutics, Inc., 75 Hayden Ave., LEXINGTON 02421, MA, USA, United States of America ~72: BAO, Hechen;CARTER, Todd;COLPAN, Cansu;DECKERT, Jochen;HOU, Jinzhao;HULTSCH, Kathrin;JIN, Wen;KNOLL, Elisabeth;LEE, Shiron Jessie;LIU, Wencheng;SAH, Dinah Wen-Yee;SIVASANKARAN, Rajeev Nambiar~ 33:US ~31:63/477,736 ~32:29/12/2022

2025/03887 ~ Complete ~54:CHANNEL INFORMATION FEEDBACK METHOD, APPARATUS, AND STORAGE MEDIUM ~71:ZTE Corporation, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, SHENZHEN 518057, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Yijian;JIAN, Mengnan;SI, Yuan;SUN, Yunqi;WANG, Yunlu;YU, Hongkang;ZHANG, Shujuan~ 33:CN ~31:202211708003.1 ~32:28/12/2022

2025/03888 ~ Complete ~54:USE OF CYCLIN E1 STATUS AS A PREDICTIVE BIOMARKER FOR TREATING CANCER WITH WEE1 INHIBITORS ~71:Zeno Management, Inc., 10275 Science Center Drive, Suite 200, SAN DIEGO 92121, CA, USA, United States of America ~72: BLACKWELL, Kimberly;BUNKER, Kevin Duane;CHUNG, Heekyung;DE JONG, Petrus Rudolf;DONATE, Fernando;ESCOUBET, Laure;HARISMENDY, Olivier;HUANG, Peter Qinhua;KIM, Doris Sujung;LACKNER, Mark;MA, Jianhui~ 33:US ~31:63/382,817 ~32:08/11/2022;33:US ~31:63/485,764 ~32:17/02/2023;33:US ~31:63/459,520 ~32:14/04/2023;33:US ~31:63/504,166 ~32:24/05/2023;33:US ~31:63/506,023 ~32:02/06/2023;33:US ~31:63/588,235 ~32:05/10/2023

2025/03857 ~ Provisional ~54:SYSTEM AND METHOD FOR COOPERATIVE ASSET-BACKED LENDING USING TOKENISED REAL-WORLD ASSETS AND UNIT-BASED GOVERNANCE ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03860 ~ Complete ~54:DEVICE FOR ANALYZING AERODYNAMIC FORCE DISTRIBUTION OF TRANSMISSION TOWERS ~71:Zhejiang University of Science and Technology, No. 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, People's Republic of China ~72: FAN Lei;JIN Hui;LI Feng;LIU Jiangshan;MEI Danyang;SONG Fangyuan;XU Hangjing;ZHOU Renzhi~

2025/03862 ~ Complete ~54:SCIENCE POPULARIZATION MODEL DEVICE FOR DESERTIFICATION PREVENTION AND CONTROL ~71:PASTORAL WATER CONSERVANCY SCIENCE RESEARCH INSTITUTE OF THE MINISTRY OF WATER RESOURCES, NO. 128, UNIVERSITY EAST ROAD, People's Republic of China ~72: CHEN, Yuxin;GAO, Tianming;GUO, Jiuming;HE, Yu;HUANG, Duan;LENG, Yanjie;LI, Chengcheng;LIU, Xinyu;WEI, Lifeng;YAO, Zhenyu;ZHAO, Tianqi;ZHOU, Xu~ 33:CN ~31:2024210534748 ~32:15/05/2024

2025/03874 ~ Complete ~54:TERMINAL, BASE STATION AND COMMUNICATION METHOD ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH STREET SUITE 450, TORRANCE, CA 90504, USA, United States of America ~72: SUZUKI, Hidetoshi;YAMAMOTO, Tetsuya~ 33:JP ~31:2022-180343 ~32:10/11/2022

2025/03853 ~ Provisional ~54:TECHNO SPEC MECHANISM ~71:Shahnawaaz, 101 Cretemore Road, South Africa ~72: Shahnawaaz~

2025/03854 ~ Provisional ~54:A WIND TURBINE ~71:JOHN HENRY CAWOOD, 41 VAN RIEBEECK STREET, South Africa ~72: JOHN HENRY CAWOOD~

2025/03864 ~ Complete ~54:A COOKING DEVICE ~71:PHILLIPS, Charles, Taylor, 6 MOLOPO STREET, STILFONTEIN, SOUTH AFRICA, South Africa ~72: PHILLIPS, Charles, Taylor~ 33:ZA ~31:2023/07762 ~32:08/02/2024

2025/03870 ~ Complete ~54:NOVEL LIQUID ORAL FORMULATIONS OF CANNABIDIOL ~71:LEIUTIS PHARMACEUTICALS LLP, Plot no. 23, TIE 1st Phase, Balanagar, Telangana, India ~72: ARUTLA, Srinivas;KOCHERLAKOTA, Chandrashekhar~ 33:IN ~31:202241058354 ~32:12/10/2022

2025/03852 ~ Provisional ~54:FORCED FLUX JUMP REACTOR CAUSING NON-LINEAR RESPONSE FOR SUPPRESSION OF HARMONICS/SUPRAHARMONICS ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2025/03863 ~ Complete ~54:MEDICINAL COMPOSITION FOR EXTERNAL USE ~71:Minglin Yu, No. 472, Xiaozhu Village, Liji Town, Penglai Village, Yantai, Shandong, People's Republic of China ~72: Minglin Yu~

2025/03866 ~ Complete ~54:METHODS FOR IMPROVING BONE GROWTH BY ADMINISTERING AN IL-4R ANTAGONIST ~71:HAMON, Sara, c/o REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, United States of America;IRVINE, Alan, c/o TRINITY COLLEGE DUBLIN THE UNIVERSITY OF DUBLIN, College Green, Ireland;REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: CYR, Sonya;EHMANN, Peter;FARRELL, Annamaria;HAMON, Sara;IRVINE, Alan~ 33:US ~31:63/384,816 ~32:23/11/2022;33:US ~31:63/480,717 ~32:20/01/2023;33:US ~31:63/498,946 ~32:28/04/2023

2025/03868 ~ Complete ~54:ONCE DAILY ALDOSTERONE SYNTHASE INHIBITOR (R)-(+)-5-(P-CYANOPHENYL)-5,6,7,8-TETRAHYDROIMIDAZO[L,5-A]PYRIDINE ~71:DAMIAN PHARMA AG, HALTLI 6, 6318

WALCHWIL, SWITZERLAND, Switzerland ~72: GERLOCK, Teresa;SCHUMACHER, Christoph;STEELE, Ronald, Edward~ 33:EP ~31:22201751.9 ~32:14/10/2022

2025/03875 ~ Complete ~54:COMPENSATION SYSTEM FOR GAS SPRINGS ~71:CAPPELLER FUTURA S.R.L., VIA DELLE INDUSTRIE, 32, Italy ~72: CAPPELLER, Alessandro~ 33:IT ~31:102022000021759 ~32:21/10/2022

2025/03881 ~ Complete ~54:MODULAR THERMAL MANAGEMENT SYSTEMS ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: DE LUCA, Anthony Loren;MURUGAN, Dhanasekar;RAVURI, Ramoji Rao Sharma;SEIBERT, Anthony Wayne~ 33:US ~31:18/054,807 ~32:11/11/2022

2025/03855 ~ Provisional ~54:A PLATFORM FOR FACILITATING USER ENGAGEMENT ~71:MY TRENDSET (PTY) LTD, 6 Keurboom Crescent, Fourways Gardens, South Africa ~72: VAN ZIJL, Travis~

2025/03858 ~ Provisional ~54:GRACEVOICE - VOICE-ACTIVATED SCRIPTURE READING ASSISTANT ~71:Mbutana Solomon Moriti, 1308 Unit 1, South Africa ~72: Mbutana Solomon Moriti~ 33:ZA ~31:N/A ~32:06/05/2025

2025/03859 ~ Complete ~54:CRRNA FOR DETECTING PENTATRICHOMONAS HOMINIS AND TRITRICHOMONAS FOETUS AND APPLICATION ~71:Jiangxi Agricultural University, No. 1101 Zhimin Avenue, Qingshanhu District, Nanchang City, Jiangxi Province, 330045, People's Republic of China ~72: CHEN, Xiaoqing;JIANG, Xincheng;MA, Yingrui;XIAO, Shuting;XIAO, Tao;YAO, Zhiwen;ZHANG, Tianhong~ 33:CN ~31:202411171609.5 ~32:26/08/2024

2025/03861 ~ Complete ~54:A MULTI-SPORT BALL ~71:BARTIES, Eliah Ashley, 11 Alexander Road, Newton Park, South Africa ~72: BARTIES, Eliah Ashley~

2025/03867 ~ Complete ~54:HYDROPYROLYSIS PROCESS ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: CHOUDHARI, Harshavardhan Jayant;HUIZENGA, Pieter;JOSHI, Rikeshchandra Sharadchandra;VANDER HOOGERSTRAETE, Patrick~ 33:IN ~31:202241070002 ~32:05/12/2022

. - APPLIED ON 2025/05/08 -

2025/03901 ~ Provisional ~54:DISPLAY ARRANGEMENT FOR USE DURING A SPORTS GAME ~71:HERBST, Andries Johannes, c/o Unitronics (Pty) Ltd, 14 Keurboom Avenue, Westridge, Somerset West 7130, Western Cape, SOUTH AFRICA, South Africa;MOOLMAN, Ivan, c/o Unitronics (Pty) Ltd, 14 Keurboom Avenue, Westridge, Somerset West 7130, Western Cape, SOUTH AFRICA, South Africa;THEUNIS, Elcardo Randall, c/o Unitronics (Pty) Ltd, 14 Keurboom Avenue, Westridge, Somerset West 7130, Western Cape, SOUTH AFRICA, South Africa ~72: HERBST, Andries Johannes;MOOLMAN, Ivan;THEUNIS, Elcardo Randall~

2025/03910 ~ Complete ~54:A MACHINE LEARNING AND AUGMENTED REALITY BASED AUTOMATED OPTICAL ALIGNMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHOITE, Sonali Prashant;GAUTAM, Akrati Manoj;KARANJEKAR, Sanika Ulhas;LARDKHAN, Afrah Abdulhaq;MOKASHI, Mandar Krishnarao;PANDYA, Kuhu Deepak~

2025/03916 ~ Complete ~54:WATER-COOLING HEAT DISSIPATION DEVICE FOR COMPUTER ~71:Suqian University, No. 399, Huanghe Road South Station, Suqian City, Jiangsu Province, 223800, People's Republic of China ~72: Sun Haoyu;Zang Shengkun~ 33:CN ~31:2025105430447 ~32:28/04/2025

2025/03927 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS FOR DELIVERY TO THE EYE ~71:ASTELLAS US LLC, 2375 Waterview Drive, United States of America ~72: DAI, Xiao-Ping;GERSHENOW, Eric N.;SBLENDORIO, Glenn;WESTBY, Keith;YAN, Wuming~ 33:US ~31:63/435,168 ~32:23/12/2022

2025/03938 ~ Complete ~54:MINIMUM PROCESS GRID FOR INTER-PREDICTION-RELATED VIDEO CODING PROCESSES ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: HUANG, Han;KARCZEWICZ, Marta;SEREGIN, Vadim;ZHANG, Zhi~ 33:US ~31:63/386,609 ~32:08/12/2022;33:US ~31:18/532,889 ~32:07/12/2023

2025/03904 ~ Complete ~54:AN ARM SUPPORT FOR OPERATING ROOM NURSING ~71:Jie Sun, No. 333 Taihu Road, Gaogang District, Taizhou City, Jiangsu Province, 225300, People's Republic of China ~72: Jie Sun;Jing Liu;Yan Wang~

2025/03905 ~ Complete ~54:DEVICE FOR CONVERTING FUEL OIL INTO OIL-GAS FUEL USING HIGH-TEMPERATURE AIR VENTURI EJECTOR ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China;JING 'AN (HENAN) NEW ENERGY TECHNOLOGY DEVELOPMENT CO., LTD, No. 889, Middle Section of Jianshe Road, Weidong District, Pingdingshan City, Henan Province, 467021, People's Republic of China ~72: CHENG Shunjing;DONG Shanshan;KONG Youfang;LIU Yu;LOU Tong;NIU Zhehui~

2025/03911 ~ Complete ~54:AN IOT BASED ELECTRONIC PAYMENT SYSTEM FOR SECURE AND EFFICIENT FINANCIAL TRANSACTIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAUSKAR, Aneesh Rajesh;CHAUDHARI, Archana;KUMBHAKERN, Piyush Vishwas~

2025/03914 ~ Complete ~54:HIGH-YIELD PLANTING METHOD FOR VIRUS-FREE HEALTHY SEEDLING OF CHEWING CANE ~71:Institute of Nanfan & Seed Industry, Guangdong Academy of Sciences, No. 10, Shiliugang Road, Haizhu District, Guangzhou City, Guangdong Province, People's Republic of China ~72: Chang Hailong;Cheng Yinjie;Liu Zhuang;Wang Qinnan;Wu Jiantao;Xie Jing;Zhang Chuiming;Zhang Wei~

2025/03934 ~ Complete ~54:ELECTRIC APPARATUS FOR A GLASS-MAKING FURNACE ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12, Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: GERVAIS, Joel;MOULIERES, Marc;ZMIRLI, Mehdi~ 33:FR ~31:2211996 ~32:18/11/2022

2025/03939 ~ Complete ~54:HEAT PIPE WICK BONDING THROUGH CRIMPING ~71:Westinghouse Electric Company LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: GROSS, David M.;STANISH, Adana L.~ 33:US ~31:18/049,526 ~32:25/10/2022

2025/04005 ~ Complete ~54:METHODS OF USE OF ANTI-IL-2 ANTIBODIES ~71:AULOS BIOSCIENCE, INC., 700 Larkspur Landing Circle, Suite 108, Larkspur, United States of America ~72: KNICKERBOCKER, Aron Marc;OFRAN, Yanay;VASSELLI, James Robert;WYANT, Timothy~ 33:US ~31:63/383,086 ~32:10/11/2022;33:US ~31:63/503,481 ~32:21/05/2023;33:US ~31:63/503,977 ~32:24/05/2023;33:US ~31:63/589,659 ~32:12/10/2023

2025/03940 ~ Complete ~54:METHODS FOR TREATING DLL3-EXPRESSING CANCER ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: CHEN, Xi;ELLISON, Aaron;GOLDRICK, Amanda;HASHEMI SADRAEI, Nooshin;JU, Chia-Hsin;KISTLER, Mira;MINOCHA, Mukul;PATI, Amrita;SABLE, Beate~ 33:US ~31:63/386,606 ~32:08/12/2022;33:US ~31:63/579,150 ~32:28/08/2023

2025/03915 ~ Complete ~54:METHOD FOR PRODUCING HEALTHY CHEWING CANE SEEDLING ~71:Institute of Nanfan & Seed Industry, Guangdong Academy of Sciences, No. 10, Shiliugang Road, Haizhu District, Guangzhou City, Guangdong Province, People's Republic of China ~72: Chang Hailong;Cheng Yinjie;Liu Zhuang;Wang Qinnan;Wu Jiantao;Xie Jing;Zhang Chuiming;Zhang Wei~

2025/03921 ~ Complete ~54:MULTI-WAVEFORM TRANSMISSION DEVICE FOR TRANSIENT ELECTROMAGNETIC METHOD ~71:HENAN SEVENTH GEOLOGICAL TEAM CO., LTD, No. 35, Qilihe Road South, Zhengdong New District, Zhengzhou City, People's Republic of China ~72: Guangjian YU;Guanhua WANG;Jing LI;Mingming WANG;Qiang LIU;Shaohui ZHU;Tingbin LI;Wenli YU;Xin WU;Zhicheng ZHAO~

2025/03929 ~ Complete ~54:INHIBITORS OF SOLUTE CARRIER FAMILY 6A MEMBER 19 (SLC6A19) AND METHODS OF USE THEREOF ~71:MAZE THERAPEUTICS, INC., 171 Oyster Point Blvd, Suite 300, South San Francisco, California, 94080, United States of America ~72: ADAM NEIL REID;ALEXANDER WAYNE SCHAMMEL;CALEB HENRY KARMEL;CHRIS ZIEBENHAUS;CHRISTOPHER JOSEPH SINZ;CHRISTOS TZITZILONIS;DAVID JOHN MORGANS JR.;JENNIFER PITZEN;JESSICA WAHLERS;KEVIN MELLEM;MAXIMILIANO DE LA HIGUERA MACÍAS;NATHAN FASTMAN;NICOLE COOPER;PATRICK SANG TAE LEE;YUXI LIU~ 33:US ~31:63/415,590 ~32:12/10/2022;33:US ~31:63/456,403 ~32:31/03/2023;33:US ~31:63/532,327 ~32:11/08/2023

2025/03933 ~ Complete ~54:PROCESS FOR THE PREPARATION OF LISDEXAMFETAMINE ~71:Veranova, L.P., 25 Patton Road, DEVENS 01434, MA, USA, United States of America ~72: COUGHLIN, Daniel;GUTMAN, Eugene;MERCADANTE, Michael;WEATHERLY, Cale~ 33:US ~31:63/381,374 ~32:28/10/2022

2025/03907 ~ Complete ~54:PRIMER SET FOR CYP2C19 GENE POLYMORPHISM DETECTION AND AN APPLICATION THEREOF ~71:HANSHAN NORMAL UNIVERSITY, Science Building, Hanshan Normal University, Qiaodong Xiangqiao District, Chaozhou City, People's Republic of China ~72: CHEN, Lianghui;HUANG, Jiayi;LIU, Yaqun;LUO, Yuting;YE, Qiuping;ZHANG, Zhenxia;ZHENG, Yuzhong~

2025/03909 ~ Complete ~54:AN INNOVATIVE MOBILE SAFETY SYSTEM WITH SMARTWATCH INTEGRATION FOR PERSONAL SECURITY AND WELL-BEING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: FUTANE, Pravin;MIRAJKAR, Riddhi;PADEWAR, Arjun Pramod;RAJPUT, Siddhika Sanjaysingh;SALUNKHE, Aditi Vijay;WANDHARE, Paritosh Dilip~

2025/03920 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE (AI) BASED LEAF HEALTH PREDICTION SYSTEM FOR HOME GARDENING AND FARMING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Archana;GAIKWAD, Jitendra;PATIL, Anjali;PATIL, Vaishnavi;POL, Praveen;RANE, Shreyash~

2025/03922 ~ Complete ~54:TRICYCLIC COMPOUNDS AND THEIR USES ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: BORDAS, Vincent;FUREGATI, Markus;HAMON, Jacques;HINRICHS, Juergen Hans-Hermann;HONG, Ziyue;LI, Wei;LIMA, Fabio;LIMAM, Fatma;MOEBITZ, Henrik;NOCITO, Sandro;SCHMIEDEBERG, Niko;SCHOEPFER, Joseph;STRANG, Ross;YANG, Xinkan;YU, Huangchao;ZECRI, Frederic;ZHANG, Sisi;ZHANG, Yong~ 33:CN ~31:PCT/CN2022/124865 ~32:12/10/2022;33:EP ~31:22208192.9 ~32:17/11/2022;33:US ~31:63/494,033 ~32:04/04/2023;33:CN ~31:PCT/CN2023/108913 ~32:24/07/2023

2025/03924 ~ Complete ~54:METHOD FOR SEPARATING VANADIUM AND CHROMIUM IN VANADIUM-CHROMIUM SOLUTION ~71:CHENGDU ADVANCED METAL MATERIALS INDUSTRY TECHNOLOGY RESEARCH INSTITUTE CO., LTD., Room 102, 1st Floor, Chengdu International Railway Port Integrated, Free

Trade Zone, No. 1533 Xiangdao Avenue, Qingbaijiang District, People's Republic of China ~72: LI, Wenjing;LIU, Bo;WANG, Chao;YAO, Jie~ 33:CN ~31:202311343868.7 ~32:17/10/2023

2025/03932 ~ Complete ~54:ELECTRIC GLASS-MAKING FURNACE ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12, Place de l'Iris, COUR 92400, FRANCE, France ~72: DE DIANOUS, Philippe;GERVAIS, Joel;LISMONDE, Michel;MAUGENDRE, Stéphane;SANTAMARIA, Romain~ 33:FR ~31:2211995 ~32:18/11/2022

2025/03935 ~ Complete ~54:ANTI-CD25 ANTIBODY AND ANTI-CD25 ANTIBODY-DRUG CONJUGATE ~71:Daiichi Sankyo Company, Limited, 3-5-1, Nihonbashi Honcho, Chuo-ku, TOKYO 1038426, JAPAN, Japan ~72: DOKE, Yukiko;ISUMI, Yoshitaka;MATSUMOTO, Ryota;SAWANO, Kota~ 33:JP ~31:2023-053446 ~32:29/03/2023;33:JP ~31:2023-096690 ~32:13/06/2023;33:JP ~31:2023-145696 ~32:08/09/2023

2025/03912 ~ Complete ~54:A SMART GLOVE FOR PARALYSIS PATIENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Archana;SUGHANDHE, Sanjyot;WAGH, Prathamesh;ZABAK, Komal~

2025/03918 ~ Complete ~54:SYSTEM FOR INTEGRATED FINANCIAL AND LEGAL RISK MANAGEMENT USING NEURO-SYMBOLIC AI AND BLOCKCHAIN-BASED COMPLIANCE INFRASTRUCTURE ~71:Dr. Anthonisamy Ananth, RC South Street, Kottapalayam (PO), Thuraiyur (TK), Trichy (DT), Tamil Nadu, India;Dr. Gengatharan Ramesh, 693, Savurveli Street, Andimadam Post, Ariyalur (Dt),Tamil Nadu, India;Dr. Mariappan Raja, Associate Professor of Commerce (CDOE). Department of Commerce and Financial Studies, Bharathidasan University, Tiruchirappalli, India;Dr. Murugesan Selvam, International Research Fellow. SEGi University, Malaysia, Senior Professor and Head (Retired), Department of Commerce and Financial Studies, Bharathidasan University, Tiruchirappalli, India;Dr. R. Rajesh Ramkumar, Assistant Professor , Department of Business Administration, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, India;Prof Dr Geetha Subramaniam, Faculty of Education, Languages Psychology and Music, SEGi University, Kota Damansara, Malaysia ~72: Dr. Anthonisamy Ananth;Dr. Gengatharan Ramesh;Dr. Mariappan Raja;Dr. Murugesan Selvam;Dr. R. Rajesh Ramkumar;Prof Dr Geetha Subramaniam~

2025/03926 ~ Complete ~54:PROCESS FOR THE OXIDATIVE PRE-MELTING AND SMELTING OF A METALLIFEROUS FEEDSTOCK MATERIAL-CONTAINING AGGLOMERATE ~71:AFRICAN RAINBOW MINERALS LIMITED, 24 Impala Road, Chislehurston, South Africa ~72: BOUWER, Petrus Hendrik Ferreira;SWEETEN, Nicole Jane;VISSER, Marius;ZIETSMAN, Johannes Hendrik~

2025/03931 ~ Complete ~54:OLIGOMERIZATION CATALYST SYSTEM DEACTIVATION AND RELATED ETHYLENE OLIGOMERIZATION PROCESSES ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, P.O. Box 4910, The Woodlands, Texas 77387-4910, United States of America ~72: BROOKE L SMALL~ 33:US ~31:18/054,934 ~32:14/11/2022

2025/03936 ~ Complete ~54:COMPOUND SERVING AS DDR1 KINASE INHIBITOR, AND MEDICINE ~71:Nippon Shinyaku Co., Ltd., 14, Kisshoin Nishinosho Monguchicho, Minami-ku, KYOTO-SHI 6018550, KYOTO, JAPAN, Japan ~72: ASADA, Junshi;HASHIMOTO, Kosuke;HONDA, Yohei;KOSUGI, Keiji;SUGANOMATA, Mei;TSUZUKI, Yota~ 33:JP ~31:2022-185827 ~32:21/11/2022

2025/03903 ~ Complete ~54:A SAWING DEVICE FOR ASSEMBLING A VARIABLE DIAMETER SCREW TYPE MAIN AXIS ~71:Shenyang Institute Of Engineering, No. 18 Puchang Road, Shenbei New District, Shenyang City, Liaoning Province, 110136, People's Republic of China;Shenyang Jianzhu University, No. 25 Hunnan Middle Road, Hunnan District, Shenyang City, Liaoning Province, 110168, People's Republic of China ~72: Gao Qiang;Rao Yinqin;Wang Lin;Wu Yuhou;Zhao Dehong~

2025/03906 ~ Complete ~54:WIRELESS DETONATOR ASSEMBLY ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, South Africa ~72: TBA~

2025/03919 ~ Complete ~54:AN INTELLIGENT MEDICAL BOOTH SYSTEM WITH TELEMEDICINE AND ON-SITE MEDICAL CAPABILITIES FOR RURAL AND UNDER-SERVED AREAS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BARVE, Tasmay;CHAUDHARI, Archana;SHELKE, Dheeraj;UPGANLAWAR, Ved;VAIDYA, Ram~

2025/03928 ~ Complete ~54:TREATMENTS FOR AMYOTROPHIC LATERAL SCLEROSIS USING DAZUCORILANT ~71:CORCEPT THERAPEUTICS INCORPORATED, 101 Redwood Shores Parkway, United States of America ~72: CUSTODIO, Joseph;GUYER, William;HUNT, Hazel;MANN, Grace;TUDOR, Iulia Cristina~ 33:US ~31:63/420,409 ~32:28/10/2022;33:US ~31:63/427,305 ~32:22/11/2022;33:US ~31:63/453,989 ~32:22/03/2023;33:US ~31:63/525,044 ~32:05/07/2023

2025/03941 ~ Complete ~54:STARCH-BASED TILE ADHESIVE ~71:COÖPERATIE KONINKLIJKE AVEBE U.A., Prins Hendrikplein 20, Netherlands ~72: DIJK-VAN DELDEN, Anna Maria;HOFMAN - DE DREU, Anne Margriet;WELKER, Remko Christiaan~ 33:EP ~31:22207021.1 ~32:11/11/2022

2025/03900 ~ Provisional ~54:MULTI-POD HOOKAH ATTACHMENT WITH MODULAR FRAGRANCE-DISPENSING CAPSULES ~71:POC Professional Services, 46 Kruger street, South Africa ~72: Ayanda Sikhosana~

2025/03902 ~ Provisional ~54:EXIT.GO PARKING PAYMENT ~71:Lindani Mkhize, 27 Lorraine Avenue Umbilo, South Africa ~72: Lindani Mkhize~

2025/03908 ~ Complete ~54:A REAL-TIME SIGN LANGUAGE RECOGNITION SYSTEM USING LSTM AND MEDIAPIPE FOR GESTURE DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DUDHYAL, Sanskar Anand;JADHAV, Varsha Damodhar;MAHALLE, Parikshit~

2025/03913 ~ Complete ~54:A MACHINE LEARNING BASED FAKE SOCIAL MEDIA PROFILE DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEDGAONKAR, Suruchi;MIRAJKAR, Riddhi;SHELKE, Ajinkya Vitthal;SHETE, Rudra Gaurishankar;SHIMPI, Abhinav Nandkishor;YELEKAR, Vansh Pravin~

2025/03917 ~ Complete ~54:APPARATUS FOR QUANTITATIVE ASSESSMENT OF BACTERIAL BIOFILM FORMATION ON BIOMEDICAL SURFACES ~71:ABIDA KHAN, Center For Health Research, Northern Border University, Arar 73213, Saudi Arabia;HAYAT ALI ALZAHRANI, Department of Medical Laboratory Technology, College of Medical Applied Sciences, Northern Border University, Arar 91431, Saudi Arabia;MATHIAS DZOBO, School of Health Systems and Public Health, University of Pretoria, Pretoria, South Africa;MD AFROZ BAKHT, Department of Chemistry, College Science and Humanities, Prince Sattam Bin Abdulaziz University, Al-Kharj, P.O. Box- 83, Al-Kharj 11942, Saudi Arabia;MOHAMMED ALJUWAYD, Department of Medical Laboratory Technology, College of Medical Applied Sciences, Northern Border University, Arar 91431, Saudi Arabia;MOHD IMRAN, Center For Health Research, Northern Border University, Arar 73213, Saudi Arabia;SYED MOHAMMED BASHEERUDDIN ASDAQ, Department of Pharmacy Practice, College of Pharmacy, AlMaarefa University, Dariyah, 13713, Riyadh, Saudi Arabia;TAFADZWA DZINAMARIRA, School of Health Systems and Public Health, University of Pretoria, Pretoria, South Africa ~72: ABIDA KHAN;HAYAT ALI ALZAHRANI;MATHIAS DZOBO;MD AFROZ BAKHT;MOHAMMED ALJUWAYD;MOHD IMRAN;SYED MOHAMMED BASHEERUDDIN ASDAQ;TAFADZWA DZINAMARIRA~

2025/03923 ~ Complete ~54:COLD ROLLED AND HEAT-TREATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Céline MUSIK;Véronique HEBERT~

2025/03925 ~ Complete ~54:LOW-FREQUENCY MECHANICAL VIBRATION FREQUENCY CHARACTERIZATION METHOD FOR LARGE-SCALE ROTATING MINERAL SEPARATION APPARATUS ~71:BGRIMM TECHNOLOGY GROUP, No.1, Wenxing Street, Xiwai Xicheng District,, Beijing, 100032, People's Republic of China;CHINA 15TH METALLURGICAL CONSTRUCLION GROUP CO., LTD., No.700, Yanhu Road, Xisaishan District, Huangshi, Hubei, 435000, People's Republic of China;NORTHEASTERN UNIVERSITY, No.11, Lane 3, Wenhua Road, Heping District, Shenyang, Liaoning, 110819, People's Republic of China ~72: DUAN, Yun;JIN, Junchao;LIU, Jianbo;LIU, Yang;LU, Dong;SUN, Guiai;WANG, Haijun;XIE, Lianku;XING, Zhihua;XU, Xiaochuan;ZHAO, Xulin;ZHU, Binglong;ZHU, Kunlei;ZHU, Zhenguo~ 33:CN ~31:202410355014.9 ~32:27/03/2024

2025/03930 ~ Complete ~54:PIPERIDINE DERIVATIVES AS METTL3 INHIBITORS ~71:EPICS THERAPEUTICS, rue Adrienne Bolland 47, 6041 Gosselies, Belgium ~72: CATHERINE SORLET;FRANÇOIS LENOIR;GRAEME FRASER;GUILLAUME DUTHEUIL;JULIEN KORAC;KILLIAN OUKOLOFF~ 33:EP ~31:23152595.7 ~32:20/01/2023;33:US ~31:63/480,733 ~32:20/01/2023;33:US ~31:63/511,959 ~32:05/07/2023

2025/03937 ~ Complete ~54:A SYSTEM FOR TOOL EDGE MONITORING ~71:S.P.M. Instrument AB, Box 504, STRÄNGNÄS 645 25, SWEDEN, Sweden ~72: SUNDSTRÖM, Tim~ 33:SE ~31:2251178-6 ~32:09/10/2022

. - APPLIED ON 2025/05/09 -

2025/03946 ~ Complete ~54:FATTY ACID DISTILLATION TOWER WITH SEALING STRUCTURE ~71:JiangXi RunDa New Materials Co., Ltd., GaoXin Chemical Industrial Park, Hukou County, Jiujiang City, Jiangxi Province, 332599, People's Republic of China ~72: WU Zhonggan~

2025/03951 ~ Complete ~54:A CARBON EMISSION OPTIMIZATION METHOD FOR BUILDING CONSTRUCTION BASED ON BIM DATA ~71:China Railway First Group Co., Ltd., No.1, Yanta North Road, Beilin District, Xi'an City, Shaanxi Province, 710054, People's Republic of China;China Railway First Group Construction Installation Engineering Co., Ltd., No. 132 Taiyi Road, Beilin District, Xi'an City, Shaanxi Province, 710054, People's Republic of China;Kunming Metallurgy College, No. 388, Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650033, People's Republic of China ~72: Baijing Yan;Binnan Yang;Guang Li;Liwei Liang;Pan Zhang;Shouben Wang;Wei Gao;Wei Liu;Wenchun Li;Xiaowei Liu;Xiong Gao;Yan Li;Yansheng Wu;Yansong Zhao;Yinxi Zhou;Zhong Yang~ 33:CN ~31:202411626909.8 ~32:14/11/2024

2025/03953 ~ Complete ~54:SUBBLOCK CODING INFERENCE IN 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: JONATHAN GAN;YUE YU~ 33:US ~31:63/363,804 ~32:28/04/2022;33:US ~31:63/364,713 ~32:13/05/2022

2025/03962 ~ Complete ~54:METHOD AND APPARATUS FOR COLD SPRAY REPARATION OF REACTIVE METAL SURFACES ~71:HATCH LTD., 2800 Speakman Drive, Mississauga, Ontario, L5K 2R7, Canada ~72: MURRAY PEARSON;RICHARD CHROMIK;SIMA AHMAD ALIDOKHT~ 33:US ~31:63/424,657 ~32:11/11/2022

2025/04006 ~ Complete ~54:LOGISTICS ORDER DISPATCHING METHOD AND SYSTEM BASED ON TRANSPORTATION CAPACITY CALCULATION ~71:JI'AN COLLEGE, NO.133 JI'AN SOUTH AVENUE, CENTRAL URBAN AREA, JI'AN CITY,, People's Republic of China ~72: CHEN, Yang;DONG, Xinxin;HAN,

Le;HE, Bobo;HUANG, Wenqun;KANG, Ting;LIU, Liling;SHANG, Xianchun;WAN, Zhiyu;XIAO, Shifei~ 33:CN ~31:2024105932576 ~32:13/05/2024

2025/03970 ~ Complete ~54:TRANSFER INTEGRATED DEVICE WITH CHANGEABLE GOODS DEPTH BASED ON LOGISTICS SUPPLY CHAIN ~71:ZHEJIANG NORMAL UNIVERSITY, NO. 688, YINGBIN AVENUE, People's Republic of China ~72: QIN, Linghua;ZHAO, Pei~ 33:CN ~31:2025104470057 ~32:09/04/2025

2025/03950 ~ Complete ~54:ADJUSTABLE-PITCH CUCURBIT FLUTE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China;Pingdingshan University, South Section, Weilai Road, Urban-Rural Integration Demonstration Area, Pingdingshan City, Henan Province, People's Republic of China ~72: GUO Yixian;LI Xi;LIU Peipei;TAN Yuan;ZHU Chenrui~

2025/03954 ~ Complete ~54:IONIZABLE LIPIDS ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, Belgium ~72: DE COEN, Ruben;DE KOKER, Stefaan;DUMBRE, Shrinivas;KASMI, Sabah~ 33:EP ~31:22202996.9 ~32:21/10/2022

2025/03958 ~ Complete ~54:MULTIFUNCTIONAL SOFTENER VALVE ~71:Zhengzhou Kangrun Fluid Equipment Co., Ltd., Room 101, No. 45-5 Zhongde Industrial Park, Xuedian Town, Xinzheng City, Zhengzhou,, Henan, 451162, People's Republic of China ~72: Kefeng ZHANG~ 33:CN ~31:202211611750.3 ~32:15/12/2022;33:CN ~31:202223362008.1 ~32:15/12/2022

2025/03960 ~ Complete ~54:METHODS OF TREATMENT ~71:ARENA PHARMACEUTICALS INC., 66 Hudson Boulevard East, New York, New York, 10007-2192, United States of America ~72: CHADWICK J OREVILLO;NUGGEHALLY SRINIVAS;RANDALL KAYE~ 33:US ~31:63/429,755 ~32:02/12/2022;33:US ~31:63/589,283 ~32:10/10/2023

2025/03965 ~ Complete ~54:EXCITER ~71:WEIR MINERALS AUSTRALIA LIMITED, 1 Marden Street, Australia ~72: WALKER, Carl~ 33:GB ~31:2217654.9 ~32:25/11/2022

2025/03943 ~ Provisional ~54:A MAGNET ~71:Carol-Ann Meltzer, 101 Carisbrook street, South Africa ~72: Carol-Ann Meltzer~

2025/03957 ~ Complete ~54:LAMINATE, IN PARTICULAR FOR PRODUCING PACKAGING, USE OF THE LAMINATE FOR PRODUCING A PACKAGING, PACKAGING PRODUCED FROM THE LAMINATE, AND METHOD FOR PRODUCING THE LAMINATE ~71:HUHTAMAKI FLEXIBLE PACKAGING GERMANY GMBH & CO. KG, Heinrich-Nicolaus-Str. 6, Germany ~72: Ashwini Kumar SINGH;Eddy DAELMANS;Marco HILTY;Wojciech SKALBANI~ 33:DE ~31:10 2022 131 875.3 ~32:01/12/2022

2025/03963 ~ Complete ~54:TOOL FOR CATALYST COATING APPARATUS, AND CATALYST COATING APPARATUS ~71:Cataler Corporation, 7800, Chihama, KAKEGAWA-SHI 4371492, SHIZUOKA, JAPAN, Japan ~72: KUWAHARA, Takashi;MORITA, Ryoma;OHARA, Etsuko~ 33:JP ~31:2022-198669 ~32:13/12/2022

2025/03966 ~ Complete ~54:NOVEL THERAPEUTIC MOLECULE ~71:PILLAI UNIVERSAL LLC, 963 Topsy Lane, 306-351, Carson City, Nevada, 92590, United States of America ~72: M.G., Dinesh;PILLAI, Baskaran~ 33:IN ~31:202241058962 ~32:15/10/2022

2025/03944 ~ Provisional ~54:A SEAL MEMBER AND A SEAL MECHANISM ~71:BATTLEMAX (PTY) LTD, 592 Barolong St, Mooiplaats 355-Jr,, South Africa ~72: TBA~

2025/03948 ~ Complete ~54:A METHOD FOR ANALYZING NEAR-INFRARED BRAIN FUNCTIONAL IMAGING DATA ~71:Lishui Second People's Hospital, No. 69 North Huancheng Road, Liandu District, Lishui City, Zhejiang Province, People's Republic of China ~72: Kunqiang YU;Lixiu WU;Minya ZHOU;Ri XU~

2025/03955 ~ Complete ~54:ANTISENSE OLIGOMERS FOR TREATMENT OF NON-SENSE MEDIATED RNA DECAY BASED CONDITIONS AND DISEASES ~71:STOKE THERAPEUTICS, INC., 45 Wiggins Avenue, United States of America ~72: AZNAREZ, Isabel;KACH, Jacob;RAMACHANDRAN, Pavitra;SAIZ, Ana Corrionero~ 33:US ~31:63/381,640 ~32:31/10/2022

2025/03961 ~ Complete ~54:BRANCHED FATTY ACYL ISETHIONATES ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ADRIAN JOHN JERVIS;AGUSTINA GENTILE;JENNA CHRISTINE DOUTHIT;JOSE GUILLERMO ROSA;PAUL DAMIEN PRICE;SELVANATHAN ARUMUGAM;TEANOOSH MOADDEL;THOMAS ALAN KWAN;VALENTINA ABET~ 33:EP ~31:22214256.4 ~32:16/12/2022

2025/03945 ~ Provisional ~54:AMBUCARE ~71:LUTHANDO DYONAS, 11 Silwer-Eike Avenue, Heuweloord, Centurion, South Africa, South Africa ~72: LUTHANDO DYONAS~

2025/03949 ~ Complete ~54:AN OPTIMIZED LZW DATA COMPRESSION ALGORITHM FOR WIRELESS SENSOR NETWORKS ~71:Zhejiang University of Science and Technology, No. 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: Chuitao Sun;Chunxiang Yu;Jian Zhou;Shihui Ni;Yijie Wang;Zhenyu Zhang;Zibo Jin~

2025/03964 ~ Complete ~54:SUBSTITUTED N-PHENYLURACILS AND SALTS THEREOF, AND USE THEREOF AS HERBICIDAL ACTIVE SUBSTANCES ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: BOLLENBACH-WAHL, Birgit;FRACKENPOHL, Jens;GATZWEILER, Elmar;HELMKE, Hendrik;JAKOBI, Harald~ 33:EP ~31:22200546.4 ~32:10/10/2022

2025/03947 ~ Complete ~54:FUEL ATOMIZATION DEVICE BASED ON HIGH-FREQUENCY ULTRASONIC OSCILLATION TECHNOLOGY ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China;JING 'AN (HENAN) NEW ENERGY TECHNOLOGY DEVELOPMENT CO., LTD, No. 889, Middle Section of Jianshe Road, Weidong District, Pingdingshan City, Henan Province, 467021, People's Republic of China ~72: CHENG Shunjing;DONG Shanshan;KONG Youfang;LIU Yu;LOU Tong;NIU Zhehui~

2025/03952 ~ Complete ~54:SECURITY ARRANGEMENT FOR FINANCIAL TECHNOLOGY PLATFORMS ~71:DR Q BOTHA INC, 17 Benurban Street, South Africa ~72: Quentin Martin BOTHA~ 33:ZA ~31:2024/07352 ~32:27/09/2024

2025/03956 ~ Complete ~54:LAMINATE, IN PARTICULAR FOR PRODUCING PACKAGING, USE OF THE LAMINATE FOR PRODUCING A PACKAGING, PACKAGING PRODUCED FROM THE LAMINATE, AND METHOD FOR PRODUCING THE LAMINATE ~71:HUHTAMAKI FLEXIBLE PACKAGING GERMANY GMBH & CO. KG, Heinrich-Nicolaus-Str. 6, Germany ~72: Ashwini Kumar SINGH;Eddy DAELMANS;Marco HILTY;Wojciech SKALBANI~ 33:DE ~31:10 2022 131 875.3 ~32:01/12/2022

2025/03959 ~ Complete ~54:DETECTION METHOD FOR THE QUALITY OF EDIBLE FUNGI BASED ON SPECTRAL CHARACTERISTICS ~71:Shandong Academy of Agricultural Sciences, No. 23788, Gongye North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Fengjuan Jia;Furong Hou;Jian Zhang;Junyan Shi;Shasha Song;Wenjia Cui;Wenliang Wang;Yansheng Wang;Zhiqing Gong~ 33:CN ~31:202411011354.6 ~32:26/07/2024

2025/03967 ~ Complete ~54:ANCHOR DEPLOYMENT AND RETRIEVAL SYSTEM FOR CATAMARANS ~71:CURCIO, Mario, Feldhohe 54, 6280, Hochdorf, Switzerland ~72: CURCIO, Mario~ 33:EP ~31:22020534.8 ~32:06/11/2022

2025/03971 ~ Complete ~54:METHOD FOR IMPROVING SOIL WITH CONTINUOUS CROPPING OBSTACLES IN JUTE PLANTING ~71:XINYANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 20 MINQUAN SOUTH STREET, People's Republic of China;ZHEJIANG RESEARCH INSTITUTE OF LANDSCAPE PLANTS AND FLOWERS, NO. 508, WANGCUN VILLAGE, People's Republic of China ~72: AN, Xia;CHEN, Yingxia;CHENG, Jie;DING, Li;DING, Yingxin;DU, Guanghui;LI, Mei;LING, Jingwei;LIU, Yao;LV, Yuhu;NIE, Liangpeng;SHI, Pengfei;WEI, Yimiao;ZHANG, Lin;ZHANG, Lixia;ZHONG, Sizhi~

. - APPLIED ON 2025/05/12 -

2025/03998 ~ Complete ~54:A MULTI-UTILITY ROVER WITH ELECTROMAGNETIC LANDMINE DETECTION AND SURVEILLANCE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ABHANG, Tejas;ADHANE, Rudraksh;BHARATE, Abhijeet;KOLHE, Abhijeet;MATHUR, Aashi;PATHAK, Adarsh~

2025/04000 ~ Complete ~54:A METHOD FOR MAILLARD REACTION-BASED MODIFICATION OF WHEY PROTEIN ~71:ZHANGYE WATER SAVING AGRICULTURAL EXPERIMENTAL STATION, GANSU ACADEMY OF AGRICULTURAL SCIENCES, 9 Kilometers South Suburb, Zhangye City, People's Republic of China ~72: CAI, Ziwen;CHAI, Xuejun;HE, Wenjing;JU, Xueyang;LI, Xing;PENG, Haihong;ZHAO, Shuoyang;ZHAO, Zepu~ 33:CN ~31:2025104128445 ~32:02/04/2025

2025/04025 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTION OR TREATMENT OF DRUG-RELATED PEPTIC ULCER COMPRISING ZASTAPRAZAN OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF ~71:JEIL PHARMACEUTICAL CO., LTD., 343 Sapyeong-daero, Seocho-gu, Republic of Korea;ONCONIC THERAPEUTICS INC., 11F., 12 Teheran-ro 26-gil, Gangnam-gu, Republic of Korea ~72: CHA, Hyun Ju;HAN, Sang Woo;KIM, John~ 33:KR ~31:10-2022-0163540 ~32:29/11/2022;33:KR ~31:10-2023-0169708 ~32:29/11/2023

2025/03977 ~ Complete ~54:AN AI ARCHITECTURE BASED PERSONALIZED CLOTHES RECOMMENDATION SYSTEM ON E-COMMERCE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BOGIRI, Nagaraju;GAIKWAD, Vidya Shrimant;KANAKI, Atharva Prashant;KARNIK, Madhuri Prashant;LIMBIKAI, Tejas;MAHAJAN, Pranav Vinayak;MALVE, Mohit;MARAL, Vikas;MISHRA, Vaishali;PAGRIYA, Om Mayur;WANKHEDE, Disha Sushant~

2025/03985 ~ Complete ~54:AN AR/VR POWERED REAL-TIME COACHING SYSTEM FOR LIVE REHEARSALS WITH PERFORMANCE ANALYTICS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BEDAGE, Rutuja R.;MARAL, Vikas;MISHRA, Vaishali;NARSUGADE, Priya P.;PANDIT, Dipti;PHADATARE, Gayatri M.;WANKHEDE, Disha Sushant~

2025/03990 ~ Complete ~54:A WIRELESS STETHOSCOPE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADHYAPAK, Varad;BHATTACHARYA, Aditya;GROVER, Aditya;JAIN, Aditya;KARAD, Aditya;MAHAJAN, Aditya;RAJPUT, Vaishali S.~

2025/03995 ~ Complete ~54:A BLOCKCHAIN BASED SYSTEM FOR COUNTERFEIT PRODUCT IDENTIFICATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER

INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHIKTE, Abhay S.;CHIMBALKAR, Anvay M.;CHINTAWAR, Pratham P.;CHINTAWAR, Rajeshwar V.;CHITNIS, Varad S.;CHITUPE, Madhura D.;DESHPANDE, Arati V.~

2025/04009 ~ Complete ~54:ANTI-FELTING DEVICE, DYEING VESSEL, AND DYEING METHOD FOR DYEING CASHMERE YARNS IN SAMPLE DYEING MACHINE ~71:INNER MONGOLIA KING DEER CASHMERE CO.,LTD, South Dongheqiao, Bayantala Street, Donghe District, Baotou, 014040, People's Republic of China ~72: Bin Yang;Hui Ding;Jiancheng Qiao;Jianli Guo;Shouming Zhang;Xinquan Wang~ 33:CN ~31:2024111331891 ~32:19/08/2024

2025/04015 ~ Complete ~54:CREDIT CARD HOLDER HAVING ADJUSTABLE BIAS FRICTION ELEMENT ~71:R.J. van Geer Beheer B.V., Haagweg 163, RIJSWIJK 2281 AJ, THE NETHERLANDS, Netherlands ~72: VAN GEER, René Johan~ 33:NL ~31:2033434 ~32:31/10/2022

2025/03979 ~ Complete ~54:AN INTELLIGENT TRANSPORTATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMILKANTHWAR, Parth P.;JAIN, Praneel R.;JAJU, Parikshit H.;PARMAR, Reet V.;PARSEWAR, Pranav V.;RAJPUT, Vaishali S.;SUPEKAR, Parth N.~

2025/03981 ~ Complete ~54:A MACHINE LEARNING-BASED SYSTEM FOR REAL-TIME EMERGENCY VEHICLE DETECTION AND TRAFFIC SIGNAL CONTROL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Rupali S.;PAGARE, Lokesh;PAGRUT, Kaivalya;PAHADE, Labhesh;PAHARE, Suyash;PAIGUDE, Prathamesh;PAKHARE, Sanika~

2025/03986 ~ Complete ~54:A NAVIGATION ASSISTING DEVICE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Rupali;JADHAV, Onkar;OSWAL, Rakshit;PADALWAR, Shiv Kumar;PADHYE, Suchita;PADOLE, Ajinkya;PAGAR, Raj~

2025/03994 ~ Complete ~54:AN ACCIDENT ALERT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KHAN, MD Waqass;MEHARE, Yashashree;MEHENDALE, Yash;MEHTA, Deep;MEHTA, Harsh;MESHRAM, Akshan;MORE, Kiran~

2025/04008 ~ Complete ~54:HETEROCYCLIC COMPOUNDS CAPABLE OF ACTIVATING STING ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: CAROTTA, Sebastian;DAHMANN, Georg;GODBOUT, Cédrickx;HANDSCHUH, Sandra Ruth;NAR, Herbert;OOST, Thorsten;REISER, Ulrich;TREU, Matthias~ 33:EU ~31:22203743.4 ~32:26/10/2022

2025/04024 ~ Complete ~54:METHOD FOR CARRYING OUT A CHEMICAL REACTION AND REACTOR ARRANGEMENT ~71: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: HAUNERT, Andrea;HOFSTÄTTER, Martin;JENNE, Eric;KOCHENDOERFER, Kiara Aenne;SHUSTOV, Andrey;STEVENSON, Scott A.;WARD, Andrew M.;ZELLHUBER, Mathieu~ 33:EP ~31:22020489.5 ~32:12/10/2022

2025/04027 ~ Complete ~54:SYSTEMS, METHODS AND COMPUTER-READABLE MEDIA FOR CATEGORISING INFORMATION FROM A VISUAL REPRESENTATION OF DATA ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: OBRIGHT, Bryan~ 33:AU ~31:2022903492 ~32:18/11/2022

2025/03969 ~ Provisional ~54:EVENT MANAGEMENT PLATFORM ~71:SPACETEL BENIN (MTN), Airport Zone, Benin ~72: ANANOU, Assaf Joresse;HOUNKANRIN, Ezechiel José Mondoupkè;SONOU, Dotou Fidly Paulin~

2025/03972 ~ Complete ~54:ANTI-NGF ANTIBODIES AND USES THEREOF ~71:INVETX, INC., One Boston Place, 201 Washington Street, Suite 3930, United States of America ~72: BRONDYK, William;SEVIGNY, Leila;WILLIS, Jordan~ 33:US ~31:63/282,590 ~32:23/11/2021;33:US ~31:63/383,173 ~32:10/11/2022

2025/03988 ~ Complete ~54:A WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLES WITH BATTERY REGULATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHALLAWAR, Parth R.;DESHMUKH, Parth R.;PARVE, Sayali G.;PATEL, Jaykumar R.;PATEL, Riddhi J.;TOMAR, Pratham~

2025/03992 ~ Complete ~54:A CONTACT TRACING SYSTEM TO MONITOR AND MITIGATE RISK OF EXPOSURE TO CONTAGIOUS ILLNESSES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ATKARI, Darshan R.;AUTI, Sakshi R.;DANDAVATE, Prajkta P.;DUTTA, Atharva A.;JOSHI, Atharva P.;KULKARNI, Atharva A.;RAUT, Atharva A.~

2025/03993 ~ Complete ~54:A GESTURE-BASED COMMUNICATION GLOVE FOR TRANSLATING SIGN LANGUAGE INTO TEXT AND SPEECH ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DAPKE, Om;DESHPANDE, Rupali;DHAMGUNDE, Omkar;GARG, Om Kumar;GUPTA, Ojal;KANNAWAR, Onkar;NOGJA, Srushti~

2025/03999 ~ Complete ~54:A SLOPE ANCHOR MONITORING AND EARLY WARNING SYSTEM BASED ON LABVIEW ~71:DALIAN UNIVERSITY, No. 10, Xuefu Street, People's Republic of China ~72: SUN, Weiyi;WANG, Qiang;ZHAO, Jie~

2025/03976 ~ Complete ~54:METHOD AND SYSTEM FOR MONITORING GROWTH STATUS AND PREDICTING YIELD OF UPLAND RICE BASED ON UNMANNED AERIAL VEHICLE (UAV) MULTISPECTRAL IMAGES ~71:Anhui Science and Technology University, No. 9, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: CHENG Bin;SHAO Qingqin;XI Qiuya;YANG Ning;ZHEN Fengxian~

2025/03980 ~ Complete ~54:AN AUTOMATIC IOT BASED PARKING LOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AGIWAL, Yash;AGRAWAL, Vivek;KAVISHWAR, Adwait;MOMIN, Adnaan;NAGDIVE, Aditya;RAJPUT, Vaishali;RATHI, Advay~

2025/03983 ~ Complete ~54:GC-MS-GUIDED BIOACTIVE SECONDARY METABOLITES FROM ENDOPHYTIC FUSARIUM SOLANI OF TINOSPORA CORDIFOLIA FOR ANTIMICROBIAL AND THERAPEUTIC APPLICATIONS ~71:Dr. Fazilath Uzma, Department of Microbiology, Biotechnology and Food Technology, Bangalore University, Jnanabharathi Campus, Bangalore - 560056 Karnataka, India;Prof. Srinivas Chowdappa, Department of Microbiology, Biotechnology and Food Technology, Bangalore University, Jnanabharathi Campus, Bangalore - 560056 Karnataka, India ~72: Dr. Fazilath Uzma;Prof. Srinivas Chowdappa~

2025/04010 ~ Complete ~54:BLOOD BAG FOR COLLECTING AND RE-USING BLOOD LOST DURING OPERATIONS ~71:Ardian HALILI, Winkelriedstrasse 47, Switzerland ~72: Ardian HALILI~ 33:CH ~31:CH001209/2022 ~32:13/10/2022

2025/04013 ~ Complete ~54:METHODS OF REDUCING PHYSICAL DEPENDENCE TO NEUROPSYCHIATRIC TREATMENTS ~71:Sumitomo Pharma America, Inc., 84 Waterford Drive, MARLBOROUGH 01752, MA, USA, United States of America ~72: CHENG, Hailong;DWORAK, Heather;SYNAN, Colleen~ 33:US ~31:63/379,364 ~32:13/10/2022

2025/04023 ~ Complete ~54:APPARATUS FOR PROCESSING RECYCLED PLASTIC MATERIAL FOR GRANULE FORMING, AND ASSOCIATED METHOD ~71:GAMMA MECCANICA S.P.A., Via Sacco e Vanzetti, 13, 42021 Bibbiano, Frazione Ghiardo, Italy ~72: PAOLO BOVIS~ 33:IT ~31:102022000024528 ~32:29/11/2022

2025/04029 ~ Provisional ~54:ELECTRONIC TRAFFIC DISC ~71:nasiphi mdleleni, 1 station road ,unit 609 Parkhill place, South Africa;valentine chidembo, 1 station road ,unit 609 Parkhill place, South Africa ~72: Nasiphi Mdleleni;Valentine Chidembo~

2025/03982 ~ Complete ~54:A STREAMLINED PARKING MANAGEMENT SYSTEMS TO OPTIMISE PARKING SPACES FOR USERS AND CARETAKERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ARGULWAR, Mayuresh Vishwanath;BHOITE, Sonali Prashant;BOOTWALA, Ebrahim Aliasgar;KATHURIA, Kartik Pratap;MALI, Aadit Pravin;MOKASHI, Mandar Krishnarao~

2025/03989 ~ Complete ~54:BOARD-TO-BOARD CONNECTION TERMINAL, ELECTRONIC DEVICE ~71:Zhejiang HRV Electric Co., Ltd, No. 26, Longtan Road, Cangqian Street, Yuhang District, Hangzhou City, Zhejiang Province, 311121, People's Republic of China ~72: CHENG Yuanyuan;JIN Zhou;LI Jinchang;LU Gang;YANG Sen;ZHANG Jinghong~ 33:CN ~31:2025206068073 ~32:01/04/2025

2025/03997 ~ Complete ~54:INTEGRATED PACKAGING APPARATUS FOR POWER SEMICONDUCTOR DEVICES AND POWER ELECTRONIC EQUIPMENT ~71:Zhejiang HRV Electric Co., Ltd, No. 26, Longtan Road, Cangqian Street, Yuhang District, Hangzhou City, Zhejiang Province, 311121, People's Republic of China ~72: CHENG Yuanyuan;JIN Zhou;LI Jinchang;LU Gang;YANG Sen;ZHANG Jinghong~ 33:CN ~31:2025206073279 ~32:01/04/2025

2025/04001 ~ Complete ~54:METHOD FOR STRENGTHENING SLAG CEMENT-BASED RECYCLED MORTAR ~71:ZHEJIANG UNIVERSITY OF SCIENCE TECHNOLOGY, No. 318 Liuhe Road, Hangzhou City, People's Republic of China ~72: CHEN, Liang;CHENG, Renjie;JIANG,Yuhang;TONG, Yunyun;WANG, Fengzhi;WANG, Qiannan;ZENG, Wei~ 33:CN ~31:202411753088.4 ~32:02/12/2024

2025/04018 ~ Complete ~54:INHIBITORS OF RIPK2 AND MEDICAL USES THEREOF ~71:Odyssey Therapeutics, Inc., 51 Sleeper St., Suite 800, BOSTON 02210, MA, USA, United States of America ~72: AVERSA, Robert;KOELMEL, Dominik K.;PAN, Shifeng;TAYLOR, Clarke;VANHUIS, Chad;WLODARSKA, Marta~ 33:US ~31:63/427,317 ~32:22/11/2022;33:US ~31:63/443,760 ~32:07/02/2023;33:US ~31:63/468,591 ~32:24/05/2023;33:US ~31:63/544,884 ~32:19/10/2023

2025/04007 ~ Complete ~54:SULFOXIMINE COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR, AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME ~71:CHONG KUN DANG PHARMACEUTICAL CORP., 8, Chungjeong-ro, Seodaemun-Gu, Republic of Korea ~72: LEE, Chang Sik;OH, Jung Taek;SONG, Hyeseung~ 33:KR ~31:10-2022-0132710 ~32:14/10/2022

2025/04012 ~ Complete ~54:A MODULAR DISPENSING SYSTEM, AN INTERCHANGEABLE METERING CASSETTE, A DISPENSING CASSETTE, ALL FOR USE IN AN AGRICULTURAL DISPENSING UNIT ~71:BOON AG LIMITED, 37 Tramway Road,, New Zealand ~72: GILLIES, Andrew Murray~ 33:AU ~31:2022903258 ~32:02/11/2022;33:AU ~31:2023900302 ~32:08/02/2023

2025/04016 ~ Complete ~54:MACROCYCLIC KRAS INHIBITORS AND METHODS OF USE ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: AMEGADZIE, Albert;BAUER, Adriano;BOOKER, Shon;CHEN, Ning;EMMETIERE, Fabien;JACKSON, Jeffrey;LANMAN, Brian Alan;LI (Deceased), Kexue;LI, Xiaofen;LI, Yunxiao;LIU, Qingyian;MEDINA, Jose M.;MOHR, Christopher;NAVARATNE, Primali Vasundera;PETTUS, Liping H.;RAHIMOFF, Rene;SIEGMUND, Aaron C.;SMALIGO, Andrew;STELLWAGEN, John Charles;TERCENIO, Quentin;WIGMAN, Benjamin;WU, Zhichen;WURZ, Ryan Paul;YAMANO, Michael;ZHAO, Wei~ 33:US ~31:63/383,674 ~32:14/11/2022;33:US ~31:63/497,978 ~32:24/04/2023;33:US ~31:63/582,751 ~32:14/09/2023

2025/04019 ~ Complete ~54:MATERIAL SHREDDER WITH GRINDING DEVICE, SHREDDING UNIT AND MAINTENANCE METHOD ~71:WISSING, Johannes, Bunings Weide 38, STADTLOHN 48703 , GERMANY, Germany ~72: WISSING, Johannes~ 33:DE ~31:10 2022 127 958.8 ~32:21/10/2022

2025/04026 ~ Complete ~54:COMPOSITION FOR REMOVING HELICOBACTER PYLORI COMPRISING ZASTAPRAZAN OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF ~71:JEIL PHARMACEUTICAL CO., LTD., 343 Sapyeong-daero, Seocho-gu, Republic of Korea;ONCONIC THERAPEUTICS INC., 11F., 12 Teheran-ro 26-gil, Gangnam-gu, Republic of Korea ~72: CHA, Hyun Ju;HAN, Sang Woo;KIM, John~ 33:KR ~31:10-2022-0163540 ~32:29/11/2022;33:KR ~31:10-2023-0169709 ~32:29/11/2023

2025/04028 ~ Provisional ~54:GASIFIER AND CATALYST ~71:Hermanus Christoffel Petrus Human, 10a Clifford Road Chancliff, South Africa ~72: Hermanus Christoffel Petrus Human;Jan Petrus Human~

2025/03973 ~ Complete ~54:LEAF COLLECTION DEVICE ~71:Tarim University, 1487 East Tarim Dadao, Alar City, Xinjiang Uygur Autonomous Region, 843300, People's Republic of China ~72: CHEN Peiyu;LIU Yang;MA Jiale;NIU Hao;ZHANG Yongcheng~

2025/03975 ~ Complete ~54:REINFORCED POLYMER CONNECTOR PLATE AND RELATED METHOD OF MANUFACTURE ~71:NIEUWENHUYS, Kathleen, ERF 802, 28 Jay Street, RANT-EN-DAL, Krugersdorp 1751, Gauteng, SOUTH AFRICA, South Africa;STEENBERG, Willem Frederick, 3 Grosvenor Road, Bryanston Ext 8, JOHANNESBURG 2191, Gauteng, SOUTH AFRICA, South Africa ~72: NIEUWENHUYS, Kathleen;STEENBERG, Willem Frederick~ 33:ZA ~31:2024/03595 ~32:10/05/2024

2025/03978 ~ Complete ~54:AN INTELLIGENT PREDICTIVE MAINTENANCE SYSTEM FOR ENHANCING LONGEVITY IN ROBOTICS AND AUTOMOTIVE SYSTEMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BOBHATE, Grishma Yadav;CHAVHAN, Pranali Gajanan;DESHPANDE, Yogesh;KRISHNA, Sachith;KULKARNI, Omkaresh Sakharam;MAHALLE, Parikshit N.;MESHRAM, Revat;PATIL, Rutuja Rajendra;SAPNAR, Samiksha;SHINDE, Gitanajali Rahul~

2025/03984 ~ Complete ~54:A WEB-BASED PARKING SLOT LOCATOR SYSTEM FOR URBAN AREAS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GANDHE, Mithilesh;MISAL, Soham;MISHAL, Shivam;MITTAL, Mayank;MOGAL, Shubham;MOHINKAR, Vishruti;MORE, Kiran~

2025/03987 ~ Complete ~54:AN ENERGY METER MONITORING SYSTEM USING IOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGAD, Archit J.;BAGADE, Pranav P.;BAGAL, Ritesh B.;BAGDE, Arhant A.;BAGUL, Jineshwari A.;BAHETI, Venugopal S.;DANDAVATE, Prajkta P.~

2025/03991 ~ Complete ~54:AN INNOVATIVE SYSTEM FOR WATER CONSERVATION AND GARDEN IRRIGATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA

NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: MORE, Kiran;MOREY, Uttkarsh;MOTADE, Pruthviraj;MOTEWAR, Sanket;MUCHANDI, Atharv;MUKKAWAR, Ketan;NIKALJE, Mrunal~

2025/03996 ~ Complete ~54:AN AUGMENTED AND VIRTUAL REALITY SYSTEM FOR DIGITAL SANCTUARIES TO CREATE ENVIRONMENTAL AWARENESS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAMBHIRE, Gajanan;KELKAR, Nikhil;KUMAR, Nikhil;MAJETI, Nayana;NAWGARE, Jairaj;NIKAM, Vedant;SHARMA, Neharika~

2025/04011 ~ Complete ~54:DECREASED RETENTION OF MINIPROTEINS IN KIDNEY ~71:AKTIS ONCOLOGY, INC., 17 Drydock Avenue, Suite 17-401, United States of America ~72: BLACKWELL, III, William C.;DOLIGALSKI, Michael Lawrence;FELDMAN, Paul L.;GOBER, Isaiah Nathaniel;GOODMAN, Brian;KIL, Hyun Joo;KOSCIUK, Tatsiana;KOVACS, Jeff;SRIVASTAVA, Ved;WAY, James M.~ 33:US ~31:63/425,263 ~32:14/11/2022

2025/04020 ~ Complete ~54:ATMOSPHERIC WATER GENERATOR ~71:University of Northumbria at Newcastle, Sutherland Building, College Street, NEWCASTLE UPON TYNE NE1 8ST, TYNE AND WEAR, UNITED KINGDOM, United Kingdom ~72: SHAHZAD, Muhammad Wakil;XU, Ben Bin~ 33:GB ~31:2217130.0 ~32:16/11/2022

2025/03968 ~ Provisional ~54:ECOSPUD YIELDSENSE – INTEGRATED LOAD CELL-BASED MASS TRACKING AND YIELD FORECASTING SYSTEM FOR MODULAR AEROPONIC & HYDROPONIC FARMING UNITS ~71:Gerhardus Jacobus Combrink, 6 Katdoring Crescent Brackenfell, South Africa ~72: Gerhardus Jacobus Combrink~

2025/03974 ~ Complete ~54:METHOD FOR FLOTATION SEPARATION OF COPPER-MOLYBDENUM ORE ~71:Central South University, No. 932 Lushan South Road, Yuelu District, Changsha City, Hunan Province, People's Republic of China ~72: JIANG Feng;TANG Honghu~ 33:CN ~31:202411029595.3 ~32:30/07/2024

2025/04014 ~ Complete ~54:MRNA DRUG THAT IS LESS EXPRESSED IN LIVER AFTER BEING DELIVERED TO BODY AND PREPARATION METHOD THEREFOR ~71:Beijing Neocurna Biotechnology Corporation, C301, 3rd Floor, Building 1, No. 29 Life Park Road, Changping District, BEIJING 102200, CHINA (P.R.C.), People's Republic of China;Neocura Bio-Medical Technology Co., Ltd, 402, Building B50, Liuxian Avenue, Zhongchuang Industrial Park, Taoyuan Street, Nanshan District, SHENZHEN 518000, GUANGDONG, CHINA (P.R.C.), People's Republic of China;Shenzhen Neocurna Biotechnology Corporation, B1201, Building 1, Phase II, Yinxing Zhijie, Xinlan Community Tourism Road, Guanlan Street, Longhua District, SHENZHEN 518110, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: PAN, Youdong;QIAN, Lu;WAN, Ji;WANG, Yi;XUE, Yijue;ZHAO, Zhao;ZHU, Ren~ 33:CN ~31:202211329780.5 ~32:27/10/2022

2025/04017 ~ Complete ~54:STAT3 TARGETING OLIGONUCLEOTIDES AND USES THEREOF ~71:Novo Nordisk A/S, Novo Alle 1, BAGSVÆRD 2880, DENMARK, Denmark ~72: ABRAMS, Marc;DUDEK, Henryk T.;GANESH, Shanthi;KRISHNAN, Harini Sivagurunatha~ 33:US ~31:63/425,861 ~32:16/11/2022

2025/04021 ~ Complete ~54:WATER INLET SYSTEM IN A TOILET CISTERN ~71:SIAMP CEDAP, 4, Quai Antoine 1er, Monaco ~72: MARNAS, Stéphane;PLAS, Olivier~ 33:FR ~31:22/11497 ~32:04/11/2022

2025/04022 ~ Complete ~54:CATALYTIC OXIDATION REACTORS FOR THE REMOVAL OF LOW-LEVEL METHANE IN AIR ~71:MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Ave., Cambridge, Massachusetts, 02139, United States of America ~72: ANASTASIOS JOHN HART;ASEGUN HENRY;DESIREE PLATA;MEHDI PISHAHANG;QINGZI ZHU;REBECCA BRENNEIS~ 33:US ~31:63/415,821 ~32:13/10/2022

. - APPLIED ON 2025/05/13 -

2025/04030 ~ Provisional ~54:ARTIFICIAL INTELLIGENT ROBOT VOICE COMMAND DRONE CELL PHONE HOLDER WITH AUTOMATIC TRACKING FOLLOWS THE USER BY FACE TRACKING USING FACE TRACKING AND 4D LIDAR SENSOR. ~71:Ahmed Waseef Saib, Ahmed Waseef Saib, South Africa ~72: Ahmed Waseef Saib~

2025/04037 ~ Complete ~54:AUTOMATIC INSPECTION TOOLING FOR FACTORY PRESSURE TESTING OF EXPANSION JOINT ~71:No. 719 Research Institute of China State Shipbuilding Corporation Limited, No. 19, Yangqiaohu Avenue, Canglong Island Development Zone, Jiangxia District, Wuhan City, Hubei Province 430205, People's Republic of China;Wuhan Haiwang Technologies Co., Ltd., No.450 Zhongshan Road, Wuchang District, Wuhan City, Hubei Province, 430064, People's Republic of China ~72: BAI Qiang;CHEN Zheng;JIANG Shiliang;LEI Jiayuan;WANG Shuai;ZHAO Bo~ 33:CN ~31:202410825605.8 ~32:25/06/2024

2025/04067 ~ Complete ~54:MULTI-LAYERED BIODEGRADABLE POLYMER NANOCOMPOSITE-BASED FILM ~71:COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, MEIRING NAUDE ROAD BRUMMERIA, South Africa ~72: BANDYOPADHYAY, Jayita;BOTLHOKO, Orebotse Joseph;LEKALAKALA, Rakgoshi;MEKOA, Raphaahle;SIHNA RAY, Suprakas~ 33:ZA ~31:2022/11707 ~32:27/10/2022

2025/04057 ~ Complete ~54:ROTATING SLEEVE, ROCK DRILLING MACHINE AND METHOD ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HÄMÄLÄINEN, Mikko;KELA, Timo;KIILI, Jari;KIISTALA, Kai;LÄÄKKÖLÄ, Esa;PEURALA, Jussi;RANTALA, Esa~ 33:EP ~31:22213130.2 ~32:13/12/2022

2025/04060 ~ Complete ~54:NOVEL RESISTANCE GENES ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: CURLEY JR., Thomas Joseph;FARMER, Andrew David;LIU, Qingli;QIN, Yinping Lucy;TAN, Xiaoping~ 33:US ~31:63/383,609 ~32:14/11/2022;33:US ~31:63/426,524 ~32:18/11/2022;33:US ~31:63/509,586 ~32:22/06/2023

2025/04063 ~ Complete ~54:CRYSTAL FORM OF CYANO-SUBSTITUTED POLYPEPTIDE COMPOUND AND PREPARATION METHOD THEREFOR ~71:FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD., 2F, Comprehensive Office Building, Building 1-7, Fuyuan Industrial Zone Zherong County Ningde, Fujian 355300, People's Republic of China ~72: HAIYING HE;JIANCHEN ZHANG;PENG LI;SHUHUI CHEN;YAXUN YANG~ 33:CN ~31:202211263972.0 ~32:14/10/2022

2025/04069 ~ Complete ~54:DRUG CONJUGATE COMPOUNDS FOR STIMULATING THE ANTITUMOR IMMUNE RESPONSE ~71:THERATECHNOLOGIES INC., 2015 rue Peel, Bureau 1100, Canada;TRANSFERT PLUS, SOCIÉTÉ EN COMMANDITE, 1405 boul. du Parc-Technologique, Canada ~72: ANNABI, Borhane;BÉLIVEAU, Richard;CHARFI, Cyndia;CURRIE, Jean-Christophe;DEMEULE, Michel;MARSOLAIS, Christian~ 33:US ~31:63/383,561 ~32:14/11/2022

2025/04034 ~ Provisional ~54:A SYSTEM AND METHOD FOR EXPANDING LEGAL EXPENSES INSURANCE (LEI) PENETRATION THROUGH INTEGRATION INTO CREDIT AGREEMENTS AND STRUCTURING OF PREMIUMS, WHEREIN SUCH INTEGRATION INCIDENTALLY PROTECTS CONSUMER FINANCIAL STABILITY AND CREDIT PROVIDER INTERESTS AGAINST DEFAULT RISK. ~71:TSHEPISO MOFOKENG, 09 Chert Avenue, South Africa ~72: TSHEPISO MOFOKENG~

2025/04050 ~ Complete ~54:DEVICE FOR PREVENTING PULP SPILLS OR LEAKS FROM THE INSIDE OF MILLS, WITH A SHOCK ABSORBER ~71:ENDO ARRIAGADA, Alvaro Enrique, Latadia 7366,, Las Condes Santiago, Chile, Chile ~72: ENDO ARRIAGADA, Alvaro Enrique~ 33:CL ~31:3318-2022 ~32:24/11/2022

2025/04039 ~ Complete ~54:AN INSTANT MAIZE MEAL PORRIDGE PRODUCT AND PROCESS ~71:MS ENTERPRISES (PTY) LTD, PORTION 4 OF THE FARM KRANSPAN, 131 IT, South Africa ~72: DU PLESSIS, ADELE;DU PLESSIS, JAN LION CACHET~

2025/04055 ~ Complete ~54:APPARATUS AND METHOD FOR TRACKING HAND-HELD SURGICAL TOOLS ~71:VERDURE IMAGING, INC., 4560 Pershing Ave. Suite A, Stockton, United States of America ~72: SCHLENGER, Christopher;UNGI, Tamas~

2025/04064 ~ Complete ~54:POLYHALITE GRANULES ~71:ANGLO AMERICAN WOODSMITH LIMITED, 17 Charterhouse Street, London, EC1N 6RA, United Kingdom ~72: JONATHAN RICHARD WALTON BROWN;RAFAELLA DA FONSECA RODRIGUES;TIMOTHY DAVID LEWIS~ 33:GB ~31:2216878.5 ~32:11/11/2022

2025/04035 ~ Complete ~54:RECONSTRUCTED TOPSOIL FOR ECOLOGICAL RESTORATION OF METAL MINES AND PREPARATION METHOD THEREOF ~71:China University of Geosciences ,Beijing, 29 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: BAI Hang;CHEN Ruixiao;GAO Lin;MEI Zhenran;SHI Mengchao;TIAN Rui;WANG Zheng;YU Hao;ZHAO Zhongqiu;ZHENG Jiaxin~

2025/04058 ~ Complete ~54:HIGH VOLTAGE BATTERY ARCHITECTURE ~71:Archer Aviation Inc., 190 W. Tasman Drive, SAN JOSE 95134, CA, USA, United States of America ~72: BOWER, Geoffrey;CARLEIAL, Pedro Roberto Paterson;CLARABUT, Alex;FRIHAUF, Paul;JAIN, Devesh;JOHNSTAL, Ross;NG, Robert Alan;OSTROW, Alexander Stephen;POOPALARAJAH, Sai~ 33:US ~31:63/383,660 ~32:14/11/2022

2025/04071 ~ Provisional ~54:MODULAR REARVIEW CAMERA SYSTEM FOR UTILITY VEHICLES ~71:Brendan Stringer, 7 Springdale road, South Africa ~72: Brendan Stringer~

2025/04041 ~ Complete ~54:INTEGRATED PROCESSING DEVICE FOR ULTRASONIC MILLING AND ULTRASONIC ROLLING ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Qingyao Tan;Xiao Yu~

2025/04031 ~ Provisional ~54:MODULAR FRAGRANCE, FILTRATION AND SMART-CONTROL PLATFORM FOR SMOKING AND VAPOR DEVICES ~71:Ayanda Sikhosana, 46 Kruger street, South Africa;POC Professional Services, 46 Kruger street, South Africa ~72: Ayanda Sikhosana~

2025/04054 ~ Complete ~54:PRODUCTS AND METHODS FOR IMPROVING PLANT GROWTH FEATURES ~71:APHEA.BIO NV, Technologiepark-Zwijnaarde 21, Belgium ~72: GHODSALAVI, Behnoush;GRUNERT, Oliver;HAMONTS, Kelly;VANDENABEELE, Steven;VERCAUTEREN, Isabel;VIAENE, Tom~ 33:EP ~31:22216275.2 ~32:23/12/2022

2025/04059 ~ Complete ~54:COMPOSITE MATERIAL ~71:Sandvik Mining and Construction Tools AB, Valsverksstråket 14, SANDVIKEN 81134, SWEDEN, Sweden ~72: BORGH, Ida;DE FLON, John;GRENMYR, Gustav;GYLLENFLYKT, Tobias;MCKEACHNIE, Clint;MÅRTENSSON, Malin;SUNDSTRÖM, Johan~ 33:US ~31:63/432,177 ~32:13/12/2022;33:EP ~31:23154270.5 ~32:31/01/2023

2025/04051 ~ Complete ~54:DITCHING AND FERTILIZER-APPLYING MACHINE FOR ORCHARD AND DITCHING AND FERTILIZER-APPLYING CONTROL METHOD THEREFOR ~71:INTELLIGENT EQUIPMENT RESEARCH CENTER, BEIJING ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES, Room 1107, Block A, Nongke Bldg, 11 Shuguanghuayuan Middle Road, Haidian District, Beijing, 100097, People's Republic of China ~72: GU, Chenchen;LI, Si;WANG, Jingwei;YANG, Shuo;ZHAI, Changyuan;ZHAO, Xueguan;ZOU, Wei~ 33:CN ~31:202410155232.8 ~32:04/02/2024

2025/04033 ~ Provisional ~54:SHARE AND RIPPER ~71:ROVIC INTERNATIONAL (PTY) LTD, Saxenburg Road, South Africa ~72: BARNARDO, Riekert Leonard;DU PLESSIS, Marthinus Johannes~

2025/04044 ~ Complete ~54:SYSTEM AND METHOD FOR STABILIZING THE OPERATION OF FACILITIES USING HYDROGEN PRODUCED BY LOW CARBON SOURCES ~71:Kellogg Brown & Root LLC, 601 Jefferson Street, HOUSTON 77002, TX, USA, United States of America ~72: BALIGA, Satish Bantwal;FENG, Zhentao;PACHPANDE, Sunil Nivrutti;YAMALIDOU, Ekaterini~ 33:US ~31:63/647,500 ~32:14/05/2024

2025/04046 ~ Complete ~54:TRANSACTION CARD WITH PARTIAL GLASS LAYER ~71:COMPOSECURE, LLC, 500 Memorial Drive, Somerset, New Jersey, 08873, United States of America ~72: ADAM LOWE;KRISTIN POTOCKI~ 33:US ~31:63/107,698 ~32:30/10/2020

2025/04053 ~ Complete ~54:NEUROPEPTIDE Y1 RECEPTOR (NPY1R) TARGETED THERAPEUTICS AND USES THEREOF ~71:RADIONETICS ONCOLOGY, INC., 3033 Science Park Road, Suite 240, United States of America ~72: LIU, Junjie;XIONG, Yifeng;ZHAO, Jian;ZHU, Yunfei~ 33:US ~31:63/384,873 ~32:23/11/2022;33:US ~31:63/588,412 ~32:06/10/2023

2025/04062 ~ Complete ~54:NOVEL FORMULATION SYSTEMS OF TRIKETONE HERBICIDE ~71:Adama Agan Ltd., P.O. Box 262, Northern Industrial Zone, ASHDOD 7710201, ISRAEL, Israel ~72: ABRAMOV, Victoria;NIRENBERG, Yana;ZISERMAN, Lior~ 33:US ~31:63/424,965 ~32:14/11/2022

2025/04032 ~ Provisional ~54:FROTH FLOTATION CELL LAUNDER ~71:PrepQuip IP (Pty) Ltd, 20 Belgrade Avenue, Spartan Ext 2, South Africa ~72: TERBLANCHE, Andre Nardus~

2025/04042 ~ Complete ~54:DRIED NOODLES PREPARATION CONTAINER ~71:ONE FAMILY INVESTMENT (PTY) LTD, 1 Osbourne Lane, Gilloolys View, South Africa ~72: LIAN, Jilong;LIAN, Jimin;LIU, Yuanfei~ 33:CN ~31:CN 113337195 A ~32:07/08/2024

2025/04047 ~ Complete ~54:METHOD AND SYSTEM FOR GENERATING A DYNAMIC CARD VERIFICATION VALUE FOR PROCESSING A TRANSACTION ~71:COMPOSECURE, LLC, 500 Memorial Drive, Somerset, New Jersey, 08873, United States of America ~72: ADAM LOWE;TODD NUZUM~ 33:US ~31:63/115,888 ~32:19/11/2020

2025/04068 ~ Complete ~54:FC VARIANTS AND PREPARATION THEREOF ~71:ZYDUS LIFESCIENCES LIMITED, Zydus Corporate Park, Scheme No. 63, Survey No. 536, Khoraj (Gandhinagar), Nr. Vaishnodevi Circle Ahmedabad, India ~72: BANDYOPADHYAY, Sanjay;HALDER, Sujata;HANDA, Satish;KALITA, Pd;KASERA, Ramkrashan;MENDIRATTA, Sanjeev Kumar;PANDYA, Hardik;PARIKH, Aashini;PATEL, Chirag;PATEL, Heena;PATEL, Sanjay;SHAH, Anushree;SHARMA, Vibhuti;SINGH, Arun;SINGH, Avanishkumar;SONI, Swagat;ZALA, Nayan~ 33:IN ~31:202221072898 ~32:16/12/2022;33:IN ~31:202221074504 ~32:22/12/2022

2025/04038 ~ Complete ~54:AI-DRIVEN DATA INTEGRATION SYSTEM FOR REAL-TIME CLOUD COMPUTING ENVIRONMENTS ~71:Anil Lokesh Gadi, 9866, Brackenfield Ln, Frisco, Texas, 75035, United States of America;Avinash Pamisetty, 23276, Southdown manor Terr, Unit 104, Ashburn, Virginia, 20148, United States of America;Dwaraka Nath Kummari, 3254, Halcyon Ct, Ellicott City, Maryland, 21043, United States of America;Goutham Kumar Sheelam, 30762, Hillsdale Hts, Murrieta, California, 92563, United States of America;Harish Kumar Sriram, 4740, Watkins pointe lane, Cumming, Georgia, 30040, United States of America;Pallav Kumar Kaulwar, 14169, Chestnut Glen ln, Frisco, Texas, 75035, United States of America;Raviteja Meda, 9553, N Bexley Drive, Strongsville, Ohio, 44136, United States of America;Shabrinath Motamary, 3821, Jan Camille ct, celina, Texas, 75009, United States of America;Srinivas Kalyan Yellanki, 2356, Giona Pl, Round Rock, Texas, 78665, United States of America;Srinivasa Rao Challa, 2416, Bravo Pass, Leander, Texas, 78641, United States of America ~72: Anil Lokesh Gadi;Avinash Pamisetty;Dwaraka Nath

Kummari;Goutham Kumar Sheelam;Harish Kumar Sriram;Pallav Kumar Kaulwar;Raviteja Meda;Shabrinath Motamary;Srinivas Kalyan Yellanki;Srinivasa Rao Challa~

2025/04043 ~ Complete ~54:CEFTIOFUR SODIUM DEGRADING BACTERIUM AND APPLICATION THEREOF ~71:Shihezi University, No. 221, Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832003, People's Republic of China ~72: Caihong Zhao;Hongsu He;Hui Zhang;Jing Zhao;Mengyang Yan;Tuan Guan;Xia Zhou;Xingmei Deng;Zhen Wang;Zhihua Sun~ 33:CN ~31:202410930516.X ~32:11/07/2024

2025/04049 ~ Complete ~54:NOVEL ANTI-TPBG ANTIBODY AND ANTIBODY-DRUG-CONJUGATES BASED THEREON, THERAPEUTIC METHODS AND USES THEREOF ~71:TUBULIS GMBH, Am Klopferspitz 19a, Germany ~72: CYPRYS, Philipp;GERLACH, Marcus;HELMA-SMETS, Jonas;HERTERICH, Sarah;KASPER, Marc-André;MAI, Isabelle;SCHMITT, Saskia;SCHUMACHER, Dominik;VOGL, Annette~ 33:EP ~31:22202240.2 ~32:18/10/2022;33:EP ~31:23172971.6 ~32:11/05/2023

2025/04056 ~ Complete ~54:COMPOSITION COMPRISING AQUEOUS PLANT EXTRACT AND/OR ESSENTIAL OIL AND CAFFEINE AND APPLICATION THEREOF FOR IMPROVING COGNITIVE AND MOOD FUNCTIONS ~71:The Coca-Cola Company, One Coca-Cola Plaza, NW, ATLANTA 30313, GA, USA, United States of America ~72: MICHALUK, Scott;REN, Haiyu;SHI, Yu;WANG, Bin~ 33:US ~31:63/379,565 ~32:14/10/2022

2025/04061 ~ Complete ~54:NOVEL RESISTANCE GENES ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: CHUNG, Euihwan;FARMER, Andrew David;HIPSKIND, John Daniel;LIU, Qingli;QIN, Yinping Lucy;TAN, Xiaoping~ 33:US ~31:63/383,609 ~32:14/11/2022;33:US ~31:63/426,524 ~32:18/11/2022;33:US ~31:63/509,586 ~32:22/06/2023

2025/04036 ~ Complete ~54:A METHOD, DEVICE, MEDIUM AND PRODUCT FOR CALCULATING THE VOLUME OF IRREGULAR PARTICLES ~71:Beihang University, No.37 Xueyuan Road, Haidian District, Beijing, People's Republic of China ~72: Bu Xueqin;Jin Haichuan;Lin Guiping;Liu Zonghui;Yu Jia~ 33:CN ~31:2024105915373 ~32:14/05/2024

2025/04045 ~ Complete ~54:MAGNETICALLY CONTROLLED ALGAL MICROROBOT FOR CELL-TARGETED DELIVERY, PREPARATION METHOD AND APPLICATION ~71:Ocean University of China, No. 238, Songling Road, Laoshan District, Qingdao City, Shandong Province, 266100, People's Republic of China;Peking University Third Hospital (Peking University Third Clinical Medical College), No.49, Huayuan North Road, Haidian District, Beijing, 100083, People's Republic of China ~72: HUANG, Hanjin;JIA, Lanlan;LI, Feng;LI, Junyang;SU, Guangfei;TIAN, Hua;WANG, Cheng;WANG, Shuaida;WEN, Qi;ZHENG, Liushuai~ 33:CN ~31:CN202410634246.8 ~32:22/05/2024

2025/04065 ~ Complete ~54:HYDRATABLE CONCENTRATE COMPOSITION HAVING SURFACTANT AND LOW OR NO 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 ~31:22216062.4 ~32:22/12/2022

2025/04070 ~ Complete ~54:HAPLOID INDUCING SORGHUM PLANT ~71:ADVANTA HOLDINGS B.V., Claudius Prinsenlaan 144A, Block A 4818 CP, Netherlands ~72: BONDINO, Hernan Gabriel;MONTIEL, Maria de la Paz Arrieta;PARDO, Pedro Alejandro~ 33:US ~31:63/417,078 ~32:18/10/2022

2025/04040 ~ Complete ~54:COUPLING HAVING ROTATION LIMITED SEGMENTS ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: BOWMAN, Matthew A.;NUNNALLY, Thomas~ 33:US ~31:63/110,433 ~32:06/11/2020

2025/04048 ~ Complete ~54:3D-EMBOSSED KNITTED FABRIC AND KNITTING METHOD ~71:INNER MONGOLIA KING DEER CASHMERE CO.,LTD, South Dongheqiao, Bayantala Street, Donghe District, Baotou, 014040, People's Republic of China ~72: Hongmei XIAO;Hongsheng DONG;Hui DING;Jiancheng QIAO;Shouming ZHANG;Xinquan WANG~ 33:CN ~31:2024108686361 ~32:01/07/2024

2025/04052 ~ Complete ~54:PRESSURIZED FLUID FLOW SYSTEM FOR PERCUSSIVE MECHANISMS ~71:RAISE'D RIGHT DRILLING SOLUTIONS LTD., 203 Simon Lake Dr., Canada ~72: AROS, Jaime Andres~ 33:US ~31:17/992,011 ~32:22/11/2022

2025/04066 ~ Complete ~54:MODULATORS OF TNF-A ACTIVITY ~71:FORWARD THERAPEUTICS, INC., P.O. Box 31599, Palm Beach Gardens, United States of America ~72: DE SAVI, Chris;KANOUNI, Toufike~ 33:US ~31:63/384,919 ~32:23/11/2022;33:US ~31:63/518,062 ~32:07/08/2023

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2025/04094 ~ Complete ~54:UNCOUPLED CHARGE POSITIONING APPARATUS, AND BLAST HOLE ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 68 Wenchang Road, 121 Street, Kunming, Yunnan, 650000, People's Republic of China;PANGANG GROUP MINING CO., LTD., Guaziping, East District, Panzhihua, Sichuan, 617063, People's Republic of China ~72: CHENGZHI CHEN;JIYE XU;LIANGBING ZHANG;XIANGSHENG XIA;YI LI;YONGHUI HUANG;ZHIYU ZHANG~ 33:CN ~31:202311049493.3 ~32:18/08/2023

2025/04091 ~ Complete ~54:CANINE PD-L1 ANTIBODY, ANTIGEN BINDING FRAGMENTS THEREOF, AND METHODS OF USE THEREOF ~71:Purdue Research Foundation, 101 Foundry Drive, Suite 2500, WEST LAFAYETTE 47906, IN, USA, United States of America ~72: DHAWAN, Deepika;KIRKHAM, Perry;KNAPP, Deborah;LIM, Seung-Oe~ 33:US ~31:63/383,909 ~32:15/11/2022

2025/04093 ~ Complete ~54:LAMINATE FOR VEHICLE LICENSE PLATE ~71:NIPPON CARBIDE INDUSTRIES (HANGZHOU) CO., LTD., No 99 Hongda Road, Qiaonan Block, Xiaoshan Economic & Technology Development Zone, Hangzhou, Zhejiang311231, People's Republic of China ~72: JIHUI JIANG;YUETANG XIAO~ 33:CN ~31:202410240315.7 ~32:01/03/2024

2025/04077 ~ Complete ~54:PNEUMATIC LIQUID SEASONING ADDING SYSTEM FOR INTELLIGENT COOKING MACHINE ~71:Lingnan Normal University, No.29 Cunjin Road, chikan District, Zhanjiang City, Guangdong Province, People's Republic of China ~72: Li Yelong;Yang Juan;Zhang Guiyuan;Zhou Weijing~

2025/04080 ~ Complete ~54:OLIGOMERIC ORGANOSILANES, PREPARATION THEREOF AND USE THEREOF IN RUBBER MIXTURES ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: DANIELI, Florian;HASSE, Andre;JÜRGENS, Hannes;KÖPFER, Alexander;PAULUS, Katharina, Marie~ 33:EP ~31:22203242.7 ~32:24/10/2022

2025/04083 ~ Complete ~54:METHOD AND DEVICE FOR PROCESSING POLYMER MATERIALS ~71:EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H., Freindorf, Unterfeldstrasse 3, Austria ~72: Klaus FEICHTINGER;Roland HUBER~ 33:AT ~31:A50930/2022 ~32:07/12/2022

2025/04088 ~ Complete ~54:COFFEE GRINDING MACHINE WITH SYSTEM FOR SIMPLIFIED OPENING AND CLOSING OF THE GRINDING CHAMBER ~71:La Marzocco S.r.l., Via La Torre, 14/H, SCARPERIA E SAN PIERO 50038, ITALY, Italy ~72: BECCASTRINI, Marco;GATTI, Riccardo;MARCHI, Riccardo~ 33:IT ~31:102022000022866 ~32:07/11/2022

2025/04092 ~ Complete ~54:HIGH-SPEED TRAIN VALVE ASSEMBLY ~71:ZHEJIANG LANGUANG PRECISION MECHATRONICS CO., LTD, No.399 Xinyuan Road, Fengqiao Town, Nanhu District, Jiaxing, Zhejiang, 314008, People's Republic of China ~72: JIAN WU;JIANRONG CAO;JINHUA ZHU;MENGHUI ZHOU~ 33:CN ~31:202420391877.7 ~32:29/02/2024

2025/04096 ~ Complete ~54:PEPTIDE HAVING ACTIVITIES TO PROMOTE HAIR GROWTH AND AMELIORATE DAMAGED HAIR, AND USE THEREOF ~71:CAREGEN CO., LTD., 46-38, LS-ro 91beon-gil, Dongan-gu, Anyang-si, Republic of Korea ~72: CHUNG, Yong Ji;KIM, Eun Mi~ 33:KR ~31:10-2022-0155815 ~32:18/11/2022

2025/04081 ~ Complete ~54:POSITIONING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ASHRAF, Muhammad, Ikram;KESHAVAMURTHY, Prajwal;LIU, Yong;MICHALOPOULOS, Diomidis;SAHIN, Taylan;SÄILY, Mikko~

2025/04090 ~ Complete ~54:COMPACTABLE ORAL FORMULATIONS OF IBUTAMOREN ~71:Lumos Pharma, Inc., 2503 South Loop Drive, Suite 5100, AMES 50010, IA, USA, United States of America ~72: MCKEW, John C.;PARIKH, Alpa B.~ 33:US ~31:63/422,329 ~32:03/11/2022

2025/04073 ~ Provisional ~54:A NOVEL SLAG VALORISATION AND MODIFICATION PROCESS ~71:METIX (PROPRIETARY) LIMITED, 204 Rivonia Road, Morningside, South Africa ~72: KALENGA, Moise;KLEYNHANS, Ernst Lodewyk Johannes;LOUW, Stephan Christiaan;TERBLANCHE, Gerhardus Scholtz~

2025/04075 ~ Complete ~54:CORROSION RISK ASSESSMENT METHOD FOR TIDAL FLAT-SHALLOW SEA GATHERING AND TRANSPORTATION PIPELINE ~71:China University of Petroleum (East China), No. 66, Changjiang West Road, Huangdao District, Qingdao City, Shandong Province, 266580, People's Republic of China;Shengli Oilfield Special Equipment Inspection Center, No. 480, West 2nd Road, Dongying District, Dongying City, Shandong Province, 257000, People's Republic of China ~72: CUI, Gan;JIANG, Shibin;LIU, Jianguo;WANG, Shuaihua;WANG, Wenbin;XING, Xiao;YANG, Chao;YU, Xin~ 33:CN ~31:202510302223.1 ~32:14/03/2025

2025/04078 ~ Complete ~54:SAFETY DEVICE AND METHOD FOR DETECTING AN EMERGENCY SITUATION OF A PERSON ~71:ADAPTIVE REGELSYSTEME GESELLSCHAFT M.B.H., OBERNDORFERSTRAßE 35 /EINGANG C, 5020 SALZBURG, AUSTRIA, Austria ~72: ALTENBUCHNER, Michael;ORTNER, Andreas~ 33:AT ~31:A50816/2022 ~32:21/10/2022

2025/04084 ~ Complete ~54:POLYMER BLENDS COMPRISING RECYCLED POLYMERS WITH ENHANCED PROPERTIES ~71:LUMMUS NOVOLEN TECHNOLOGY, GMBH, Gottlieb-Daimler-Str.8, Germany ~72: JÖRRES, Volker Heinrich;RÄNTZSCH, Volker Andreas~ 33:EP ~31:22216447.7 ~32:23/12/2022;33:EP ~31:22216571.4 ~32:23/12/2022

2025/04086 ~ Complete ~54:TALC POWDER, AGENT FOR IMPROVING PROPERTIES OF RESIN, AND RESIN COMPOSITION ~71:Hayashi Kasei Co., Ltd., 2-1-31, Temma, Kita-ku, OSAKA-SHI 5300043, OSAKA, JAPAN, Japan ~72: IKEDA , Takao;NAGATA , Kazuya~ 33:JP ~31:2022-182399 ~32:15/11/2022

2025/04089 ~ Complete ~54:COMPOSITIONS AND PROCESSES FOR REMOVING HEAVY METALS FROM PHOSPHORIC ACID CONTAINING STREAMS ~71:Cytec Industries Inc., 2564 US Highway 1, LAWRENCE 08648, NJ, USA, United States of America ~72: BALLENTINE, Franklyn;CALBICK, Joseph;HIREMATH, Ravi Rajshekar;MOSER, Michael;TOKMIC, Kenan;ZHANG, Lei~ 33:US ~31:63/426,260 ~32:17/11/2022

2025/04072 ~ Provisional ~54:INDUCTIVE SENSING WITH METAL OVERLAYS ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: RADEMEYER, Daniël Barend;WOLMARANS, Wikus~

2025/04074 ~ Provisional ~54:DECARBONISATION OF THE CLINKERING PROCESS ~71:UNIVERSITY OF JOHANNESBURG, Cnr. Kingsway and University Roads Auckland Park, Johannesburg, 2006, South Africa ~72: LANGELIHLE NSIKAYEZWE DLAMINI;LWAZI CHARLES MAHLALELA;SIPHUMELELE MZOLO~

2025/04079 ~ Complete ~54:POSITIONING DEVICE ~71:I.T.S. GMBH, AUTAL 28, 8301 LASSNITZHÖHE, AUSTRIA, Austria ~72: BÜHREN, Volker;PRAGER, Ronald~

2025/04082 ~ Complete ~54:COMPOSITIONS OF CATIONIC POLYACRYLAMIDES, CATIONIC POLYMER-SUFACTANT AGGREGATES AND GLYCEROL BASED SURFACTANTS AND METHODS FOR THEIR USE IN FLOCCULATION ~71:CARBONET NANOTECHNOLOGIES INC., 301-980 GEORGE ST., VANCOUVER, BRITISH COLUMBIA V6A 0H9, CANADA, United States of America ~72: ALIPOORMAZANDARANI, Niloofar;CARLSON, Michael;HAZIN, Khatera;MARTIN, Jessica;PERRY, Mitchell~ 33:US ~31:63/417,989 ~32:20/10/2022

2025/04095 ~ Complete ~54:METHODS OF TREATING OBESITY WITH AN MC4R AGONIST ~71:RHYTHM PHARMACEUTICALS, INC., 222 Berkeley Street, 12th Floor, Boston, Massachusetts, 02116, United States of America ~72: BHAVIK P SHAH;DAVID PELL MEEKER;PATRICK WILLEM KLEYN~ 33:US ~31:63/426,612 ~32:18/11/2022;33:US ~31:63/426,642 ~32:18/11/2022;33:US ~31:63/426,647 ~32:18/11/2022

2025/04085 ~ Complete ~54:APPARATUS AND METHOD FOR DEPLOYING A GEOLOGICAL SENSOR PROBE INTO A BORE HOLE ~71:AQUIRIAN TECHNOLOGY PTY LTD, Level 5, 190 St Georges Terrace, Perth, Australia ~72: PATCHING, Gregory;WRIGHT, Jonathan~ 33:AU ~31:2022903379 ~32:10/11/2022

2025/04087 ~ Complete ~54:VECTOR DIFFERENCE CANDIDATE LIST CONSTRUCTION ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: HUANG, Han;KARCZEWICZ, Marta;NIKITIN, Pavel;SEREGIN, Vadim;ZHANG, Zhi~ 33:US ~31:63/478,323 ~32:03/01/2023;33:US ~31:63/480,280 ~32:17/01/2023;33:US ~31:18/540,046 ~32:14/12/2023

2025/04076 ~ Complete ~54:SYSTEM OF PLASTIC CONDUITS, JUNCTION BOXES AND FITTINGS FOR ELECTRICAL INSTALLATIONS WITH HYDROPHOBIC PROPERTIES ~71:EMM. KOUVIDIS SA, VIO.PA. Tylissos, Greece ~72: KOUVIDIS, Konstantinos~ 33:GR ~31:20250100308 ~32:25/04/2025

2025/04097 ~ Provisional ~54:PEACEGUARD SECURE DIGITAL PLATFORM ~71:MATOME LAWRENCE NKWANA, 8923 RED DAISY STREET CAPITAL VIEW LIFESTYLE, South Africa ~72: MATOME LAWRENCE NKWANA~

. - APPLIED ON 2025/05/15 -

2025/04107 ~ Complete ~54:VERTICAL-CAVITY SURFACE-EMITTING LASER AND METHOD THEREFOR ~71:Huazhong University of Science and Technology, No.1037 Luoyu Road, Hongshan District, Wuhan, Hubei, 430074, People's Republic of China;Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, No.1, Fenghuang Road, Wutong Lake New District, Ezhou, Hubei, 436044, People's Republic of China ~72: CHEN Changqing;DAI Jiangnan;PENG Yang;WU Feng;ZHAO Yongming;ZHENG Gang~ 33:CN ~31:202510147220.5 ~32:11/02/2025

2025/04113 ~ Complete ~54:VIBRATION SIGNAL ACQUISITION SYSTEM FOR COKE PUSHING DEVICE ~71:JINZHONG UNIVERSITY, NO. 199, WENHUA STREET, People's Republic of China ~72: CAI, Wenan;LIU, Gang;XIANG, Jin;XIE, Jihong~

2025/04136 ~ Complete ~54:CONTINUOUS REACTORS OF FORMATE-BICARBONATE CYCLE FOR HYDROGEN STORAGE AND RELEASE ~71:HYDRO X LTD, The Hebrew University, High-Tech Park, 2/11, Rakach Street, Israel ~72: ELFASSY, Eitan;GIVANT, Ariel;GOLAN, Eviatar;GONEN, Shmuel;NESHER, Guy;TZABARI, Daniel;ZIV, Asa~ 33:US ~31:63/426,461 ~32:18/11/2022;33:US ~31:63/498,128 ~32:25/04/2023

2025/04144 ~ Complete ~54:ANTIBODY COMBINATION SPECIFICALLY BINDING TO TRAIL OR FASL, AND BISPECIFIC ANTIBODY ~71:Beijing Solobio Genetechnology Co., Ltd., Room 401, Building 5, NO.36, Jinghai Er Road, Beijing Economic-Technological Development Area, BEIJING 100176, CHINA (P.R.C.), People's Republic of China ~72: LI, Ping;LI, Zhong;WANG, Guangfei~ 33:IB ~31:2022/126336 ~32:20/10/2022

2025/04152 ~ Complete ~54:BAG SUPPORT ~71:ALMAR PACKAGING (PTY) LTD, 50 St. Andrews Drive, DURBAN NORTH, Durban 4051, Kwa-Zulu Natal, SOUTH AFRICA, South Africa ~72: EEK, Johannes;EVERTS, Martijn;STEWART, Joshua~ 33:ZA ~31:2022/11514 ~32:21/10/2022

2025/04103 ~ Complete ~54:A DIGESTION METHOD FOR HIGH-IRON MONOHYDRATE BAUXITE ~71:South China University of Technology, 382 Waihuan Road East, Guangzhou Higher Education Mega Centre, Guangzhou, 510006, People's Republic of China ~72: Huang Xingzhong;Li Xiaoqin;Lin Zhang;Liu Weizhen;Yan Congqi~ 33:CN ~31:2025104729983 ~32:16/04/2025

2025/04105 ~ Complete ~54:LIGHT-EMITTING STRUCTURE, ELECTRONIC APPARATUS, AND METHOD FOR PREPARING LIGHT-EMITTING STRUCTURE ~71:Huazhong University of Science and Technology, No.1037 Luoyu Road, Hongshan District, Wuhan, Hubei, 430074, People's Republic of China;Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, No.1, Fenghuang Road, Wutong Lake New District, Ezhou, Hubei, 436044, People's Republic of China ~72: DAI Jiangnan;LUO Lin;PENG Yang;ZHENG Gang~ 33:CN ~31:202510240906.9 ~32:03/03/2025;33:CN ~31:202510257195.6 ~32:05/03/2025

2025/04130 ~ Complete ~54:HYDROTHERMAL REFINING PROCESS ~71:APPLIED RESEARCH ASSOCIATES, INC., 4300 San Mateo Blvd., N.E., Suite A-220, United States of America ~72: BECKEMEYER, Curt;COPPOLA, Edward;GOODWIN, Jocelyn;NANA, Sanjay;RED, Charles~ 33:US ~31:63/445,402 ~32:14/02/2023

2025/04131 ~ Complete ~54:METHOD FOR TREATING LATERITIC NICKEL ORE ACID LEACHING RESIDUE, AND ACTIVATED MATERIAL ~71:CHINA ENFI ENGINEERING CO., LTD., 12 Fuxing Avenue, Haidian District, People's Republic of China;CHINA ENFI ENGINEERING CORPORATION, 12 Fuxing Avenue, Haidian District, People's Republic of China ~72: CHEN, Kuiyuan;CHEN, Xi;CHEN, Xuegang;DAI, Wenbin;PEI, Zhongye;QI, Yongfeng;WANG, Shuxiao~ 33:CN ~31:202311717499.3 ~32:14/12/2023

2025/04111 ~ Complete ~54:METHOD FOR CULTIVATING CITRUS VIRUS-FREE SEEDLINGS IN ROOT-LIMITING CONTAINERS ~71:CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE, NO. 11 DAQIAO ROAD, People's Republic of China ~72: CUI, Changjiang;HUANG, Xiu;KE, Fuzhi;NIE, Zhenpeng;SUN, Lifang;WANG, Luoyun;YANG, Yi~

2025/04117 ~ Complete ~54:A MACHINE LEARNING BASED SYSTEM FOR EARLY DETECTION OF DENGUE OUTBREAKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA

NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PIDADI, Mrunmayi;PIMPALKAR, Palak;PIMPARKAR, Sanskruti;PIMPARWAR, Aditya;PIMPLE, Dipankar;PISAL, Yashraj;TELSANG, Supriya~

2025/04121 ~ Complete ~54:A COST-EFFECTIVE MPPT TRACKING CIRCUIT FOR SOLAR PV SYSTEMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: MAHAJAN, Chandrashekhar;MAHAPATRA, Sagnik;PANDITA, Rohit;PATIL, Mandar;PATIL, Manthan;PATIL, Nikhil;SINGH, Jagdeep~

2025/04125 ~ Complete ~54:AN AUTOMATED FRUIT RIPENESS DETECTION AND HARVESTING TIME ESTIMATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KARANDE, Raj V.;KUMAR, Harsh N.;RAJE, Samarjeet P.;RAJGURU, Abhijeet B.;RAJPUROHIT, Nitesh S.;RAJPUT, Nikita R.;SINGH, Rajroushan A.;TELSANG, Supriya S.~

2025/04134 ~ Complete ~54:DOSAGE REGIME OF ILOPERIDONE FOR TREATING BIPOLAR I DISORDER AND SCHIZOPHRENIA ~71:VANDA PHARMACEUTICALS INC., 2200 Pennsylvania Ave. NW, Suite 300E, United States of America ~72: BIRZNIEKS, Gunther;POLYMEROPOULOS, Mihael~ 33:US ~31:63/476,161 ~32:19/12/2022;33:US ~31:63/470,574 ~32:02/06/2023

2025/04101 ~ Complete ~54:UNMANNED AERIAL VEHICLE CHARGING CABINET CAPABLE OF ALLOWING UNMANNED AERIAL VEHICLES TO TAKE OFF AND LAND QUICKLY ~71:MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD, ROOM 9-07-08, BUILDING 1, HENGFENG BUILDING, SHUANGXI WEST ROAD, People's Republic of China;XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, NO. 3388, YINGBIN AVENUE, People's Republic of China ~72: BEI, Yichen;DUAN, Zhizhuang;HUANG, Ruiyang;HUANG, Yuyun;XIE, Cong;ZHU, Jun~

2025/04106 ~ Complete ~54:SEMICONDUCTOR LASER AND METHOD THEREFOR ~71:Huazhong University of Science and Technology, No.1037 Luoyu Road, Hongshan District, Wuhan, Hubei, 430074, People's Republic of China;Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, No.1, Fenghuang Road, Wutong Lake New District, Ezhou, Hubei, 436044, People's Republic of China ~72: CHEN Changqing;DAI Jiangnan;LIANG Zhengang;PENG Yang;WU Feng;ZHENG Gang~ 33:CN ~31:202510135451.4 ~32:07/02/2025

2025/04110 ~ Complete ~54:PORTABLE BOOK HOLDER WITH RETRACTABLE VOLUME ~71:Zixu ZHAO, Holy Trinity Catholic Secondary School, 2420, Sixth Line Oakville, ON L6H 5Z8, Canada ~72: Zixu ZHAO~ 33:CN ~31:2024221527983 ~32:03/09/2024

2025/04114 ~ Complete ~54:FENNEL OIL LOADED POLYMERIC BEAD FORMULATION FOR INSECTICIDAL ACTIVITY AND PROCESS OF PREPERATION THEREOF ~71:COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Anusandhan Bhawan, 2 Rafi Marg, India ~72: ADE, Megha;SAHOO, Debasish;SINGH, Vandana;YADAV, Narayan Prasad~ 33:IN ~31:202411038351 ~32:15/05/2024

2025/04116 ~ Complete ~54:A FACIAL EMOTION DETECTION SYSTEM UTILIZING A CONVOLUTIONAL NEURAL NETWORK (CNN) ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PATIL, Riya;PATIL, Rohan;PATIL, Sanjeevani;PATIL, Shraddha;PATIL, Shreya;PATIL, Swaraj;TELSANG, Supriya~

2025/04122 ~ Complete ~54:A HEART DISEASE PREDICTION SYSTEM USING MACHINE LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PATWAL, Pradyot;POKALE, Tanvi;POPADE, Om;POSUGADE, Anagha;SHIRODE, Prachi;TELSANG, Supriya~

2025/04126 ~ Complete ~54:A SYSTEM FOR PLANT DISEASE DETECTION USING MACHINE LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: MAHAJAN, Chandrashekhar;PATEL, Tilak;PATIL, Aashna;PATIL, Aditya Dinkar;PATIL, Aditya Sandip;PATIL, Adwait;PATIL, Ashay~

2025/04135 ~ Complete ~54:ANTIBODIES AND ANTIBODY DERIVATIVES AGAINST EQUINE IL-5 ~71:WIRTSCHAFTSGENOSSENSCHAFT DEUTSCHER TIERÄRZTE EG, Siemensstraße 14, Germany ~72: HUST, Michael;LADEL, Simone;LANGREDER, Nora;ROSSBACH, Kristine;SCHÄCKERMANN, Dorina~ 33:EP ~31:22202013.3 ~32:17/10/2022

2025/04137 ~ Complete ~54:FRAGMENTED-ASSEMBLY-TYPE VARIABLE CROSS-SECTION BOX GIRDER STRUCTURE AND CONSTRUCTION METHOD ~71:Road & Bridge International Co., Ltd., 8F, CRBC Mansion, Tower A, East Gate Plaza, 9 Dongzhong St., Dongcheng District, BEIJING 100027, CHINA (P.R.C.), People's Republic of China ~72: LIU, Danna;LU, Guannan;SHAO, Wenze;XIAN, Zhenghong;XIAO, Xiangrong~ 33:CN ~31:202211297038.0 ~32:21/10/2022

2025/04142 ~ Complete ~54:DRILLHOLE NUCLEAR REACTOR ~71:Deep Fission, Inc., 2831 Garber Street, BERKELEY 94705, CA, USA, United States of America ~72: MULLER, Elizabeth;MULLER, Richard A.~ 33:US ~31:63/421,444 ~32:01/11/2022;33:US ~31:63/479,220 ~32:10/01/2023

2025/04147 ~ Complete ~54:PROCESS FOR SYNTHESISING HYDROCARBONS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: BENCE, Roger Kenneth;CLAXTON, Henry Arthur;COE, Andrew James;COOK, Amelia Lorna Solveig;NIJEMEISLAND, Michiel;TICEHURST, Paul Robert~ 33:GB ~31:2300515.0 ~32:13/01/2023

2025/04151 ~ Complete ~54:A LINER ARRANGEMENT FOR A CENTRIFUGAL PUMP FOR PROCESSING SLURRIES ~71:METSO SWEDEN AB, Pulpetgatan 20, 215 37, Malmö, Sweden ~72: AKI TUOMISALO~ 33:SE ~31:2350064-8 ~32:25/01/2023

2025/04100 ~ Complete ~54:PACKAGING TRAY FOR CAPS INTENDED TO SEAL BOTTLES FOR PHARMACEUTICAL USE ~71:A. RAYMOND ET CIE, 113 COURS BERRIAT, 38000 GRENOBLE, FRANCE, France ~72: GUERIN, Thierry;HAMADENE, Sofien~ 33:FR ~31:FR2405389 ~32:27/05/2024

2025/04119 ~ Complete ~54:A SYSTEM FOR DETECTING AI-GENERATED SPEECH ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PAWAR, Darshan;PAWAR, Harish;PAWAR, Krushna;PAWAR, Prachi;PAWAR, Pratik;TELSANG, Supriya~

2025/04124 ~ Complete ~54:A MACHINE LEARNING BASED CLOUDBURST PREDICTION SYSTEM FOR NATURAL DISASTERS MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DUBEWAR, Rahi;PUJARI, Sumit;PUJARI, Vaibhav;PUNGALE, Aryan;SAWALE, Prutha;SHENDRE, Rahul;TELSANG, Supriya~

2025/04129 ~ Complete ~54:CARDBOARD CONTAINER FOR SELLING CAPSULES OF DETERGENT AND SIMILAR ~71:PERSAN, S.A., Pino Albar 2, Spain;SMURFIT KAPPA ESPAÑA, S.A., Avenida De Camarmilla S/N, Alcala De Henares, Spain ~72: ROLDÁN LEPE, Ricardo;RUBIANO BURGUILLOS, David~ 33:ES ~31:U202231702 ~32:18/10/2022

2025/04132 ~ Complete ~54:FORGING METHOD FOR LOWER ANVIL BLOCK FORGING OF HYDRAULIC PILE HAMMER ~71:CHINA FIRST HEAVY INDUSTRIES, No. 9 Changqian Road, Fular ji Qiqihar, Heilongjiang,

161042, People's Republic of China ~72: LI, Xingbo;LIU, Jingjie;LIU, Kaiquan;XU, Sihai;ZHOU, Yan~ 33:CN ~31:202311105278.0 ~32:30/08/2023

2025/04138 ~ Complete ~54:2,4,6-TRISUBSTITUTED 1,3,5-TRIAZINES AS MODULATORS OF CX $_3$CR1 ~71:AstraZeneca AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: BAUER, Martin;BERGSTROM, Fredrik;BRINK, Mikael;JANET, Jon Paul;NILSSON, Karolina;PLESNIAK, Mateusz Piotr;ÖLWEGÅRD-HALVARSSON, Maria~ 33:US ~31:63/417,472 ~32:19/10/2022

2025/04141 ~ Complete ~54:BAIT VACCINES ~71:Zoetis Services LLC, 10 Sylvan Way, PARSIPPANY 07054, NJ, USA, United States of America ~72: DE LA FUENTE GARCIA, Jose de Jesus;PERAL, David Relimpio;SCHMIDT, Christian Gortazar~ 33:US ~31:63/426,386 ~32:18/11/2022

2025/04108 ~ Complete ~54:DEEP ULTRAVIOLET PHOTONIC CRYSTAL SURFACE-EMITTING LASER ~71:Huazhong University of Science and Technology, No.1037 Luoyu Road, Hongshan District, Wuhan, Hubei, 430074, People's Republic of China;Huazhong University of Science and Technology Ezhou Industrial Technology Research Institute, No.1, Fenghuang Road, Wutong Lake New District, Ezhou, Hubei, 436044, People's Republic of China ~72: CHEN Changqing;DAI Jiangnan;GAO Zhiwei;LIANG Zhengang;PENG Yang;WEI Yufan;ZHAO Yongming;ZHENG Gang~ 33:CN ~31:202510123953.5 ~32:26/01/2025

2025/04104 ~ Complete ~54:ADJUSTABLE FIXTURE FOR ELECTROMAGNETICALLY DRIVEN HOPKINSON BAR ~71:HENAN POLYTECHNIC UNIVERSITY, No.2001, Century Avenue, High-tech Zone, Jiaozuo City, Henan Province, 454003, People's Republic of China ~72: GONG Jian;KONG Minjie;LIU Jiajia;QIU Wei;WANG Shuren;WANG Wen;XIA Yuhao~

2025/04109 ~ Complete ~54:IMPROVED BREAST ULTRASOUND IMAGE DETECTION SYSTEM BASED ON YOLOV8 ~71:Zhejiang University of Science and Technology, No. 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang, 310023, People's Republic of China ~72: DAI, Qiaoling;HE, Jing;HE, Qiyang;XU, Xiaohan;YUN, Bensheng;ZENG, Jie~

2025/04112 ~ Complete ~54:METHOD FOR CULTIVATING CITRUS VIRUS-FREE ROOTSTOCK SEEDLINGS IN NUTRIENT POTS ~71:CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE, NO. 11 DAQIAO ROAD, People's Republic of China ~72: CUI, Changjiang;HUANG, Xiu;KE, Fuzhi;NIE, Zhenpeng;SUN, Lifang;WANG, Luoyun;YANG, Yi~

2025/04118 ~ Complete ~54:A SYSTEM FOR RECOMMENDING VISUAL ENTERTAINMENT BASED ON REAL-TIME EMOTION DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PHADKE, Aditya A.;PHADKE, Arnav U.;PHADKE, Tushar M.;PHAND, Manasi S.;PHUTANE, Vedant K.;PICHARE, Prathavita G.;TELSANG, Supriya S.~

2025/04123 ~ Complete ~54:A MACHINE LEARNING-BASED CALORIE BURN PREDICTION AND WORKOUT RECOMMENDATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PATIL, Vedika A.;PATIL, Vrushali T.;PATLE, Manthan D.;PATNI, Laher L.;PATWARDHAN, Atharva M.;PAWALE, Kshitija S.;TELSANG, Supriya~

2025/04133 ~ Complete ~54:APPARATUS FOR PASSIVE MIXING OF MULTIPHASE FLOW THROUGH SPLITTING ~71:SRAVATHI ADVANCE PROCESS TECHNOLOGIES PRIVATE LIMITED, Plot No. 63-B, Ground Floor. Attibele Hobli, Anekal Taluk Bommasandra Industrial Area, Bommasandra Village Bengaluru,, Karnataka, 560099, People's Republic of China ~72: SAMIR, Anapat;SIVAKUMAR, Sreeramagiri;SOHEL, Chungikar Abbas;SOURI, Sreeramagiri Venkata Shanmukha~ 33:IN ~31:202241060634 ~32:23/10/2022

2025/04148 ~ Complete ~54:CLEANING COMPOSITION ~71:KAO CORPORATION, S.A.U., Puig dels Tudons, 10, 08210 Barberà del Vallès, Barcelona, Spain ~72: BERNAT PI BOLEDA;CARMEN PEY GUTIÉRREZ;MIREIA COLLADO HERVÁS~ 33:EP ~31:22382990.4 ~32:17/10/2022

2025/04150 ~ Complete ~54:A FOAMABLE HARD SURFACE CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MAHESHWARA SHIVA NAIK;RAMASUBRAMANIAM RAJAGOPAL;UMA MADHAVAN~ 33:EP ~31:22214577.3 ~32:19/12/2022

2025/04102 ~ Complete ~54:CHARGE DISPENSER SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: CASTONGUAY, Martin;CHARBONNEAU, Samuel;CHIN, Kea Voa;LEVESQUE, Patrick;MOHAMMED, Sadiq;RACETTE, Patrick;SELVEY, Dustin Craig~ 33:US ~31:18/737,677 ~32:07/06/2024

2025/04120 ~ Complete ~54:A GESTURE-CONTROLLED MEDIA PLAYER SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PAWAR, Swapnil;PAWAR, Vaishnavi;PAWAR, Vedant;PENDHARKAR, Jeyeshtha;PENDOR, Harshal;PETARE, Dhanashree S.;TELSANG, Supriya~

2025/04115 ~ Complete ~54:A SYSTEM FOR PREDICTING GROUNDWATER LEVELS USING MACHINE LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: PAWAR, Aaradhya S.;PAWAR, Aditi D.;PAWAR, Aditya D.;PAWAR, Angha N.;PAWAR, Asmita A.;PAWAR, Chinmay D.;TELSANG, Supriya S.~

2025/04127 ~ Complete ~54:A SMART STORAGE DEVICE FOR JINGGANG POMELOS ~71:JI'AN COLLEGE, No. 133, Ji'an South Avenue, Jizhou District, Ji'an City, People's Republic of China ~72: XIAO, Xixiang~

2025/04128 ~ Complete ~54:CONVEYOR IDLER MONITORING SYSTEMS, METHODS, AND APPARATUS ~71:SUPERIOR INDUSTRIES, INC., 315 E Highway 28, Morris, United States of America ~72: BIBANCOS, Danilo;MARTINELLI, Eduardo;SANTINON, Ramon~ 33:US ~31:63/380,890 ~32:25/10/2022

2025/04140 ~ Complete ~54:ASSEMBLY PIER COLUMN PREFABRICATED BY POST-REINFORCEMENT METHOD ~71:Road & Bridge International Co., Ltd., 8F, CRBC Mansion, Tower A, East Gate Plaza, 9 Dongzhong St., Dongcheng District, BEIJING 100027, CHINA (P.R.C.), People's Republic of China ~72: GE, Jiping;LIU, Danna;LU, Guannan;TIAN, Hanzhou;WANG, Tao;WU, Man;XIAN, Zhenghong;XIAO, Xiangrong~ 33:CN ~31:202222795773.6 ~32:21/10/2022

2025/04149 ~ Complete ~54:MIXTURES OF SUCCINATE DEHYDROGENASE INHIBITORS AND PICOLINAMIDES ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: HENRY K NGUGI;PATRICK FAVIER;SYLVAIN PIERRE~ 33:US ~31:63/426,582 ~32:18/11/2022

2025/04139 ~ Complete ~54:PREFABRICATED THIN-WALLED HOLLOW PIER CONSTRUCTION METHOD BASED ON STEEL BAR POST-INSTALLATION ~71:Road & Bridge International Co., Ltd., 8F, CRBC Mansion, Tower A, East Gate Plaza, 9 Dongzhong St., Dongcheng District, BEIJING 100027, CHINA (P.R.C.), People's Republic of China ~72: GAO, Hao;GE, Jiping;LIU, Danna;LU, Guannan;SHAO, Wenze;TIAN, Hanzhou;XIAO, Xiangrong;YANG, Weiwei~ 33:CN ~31:202211297039.5 ~32:21/10/2022

2025/04143 ~ Complete ~54:FINING MOLTEN MATERIAL USING REDUCED PRESSURE ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: VEMPATI, Udaya;WANG, Zhongming~ 33:US ~31:17/990,027 ~32:18/11/2022

2025/04145 ~ Complete ~54:COMBINATIONS OF A SERD FOR THE TREATMENT OF CANCER ~71:AstraZeneca AB, SÖDERTÄLJE 151 85, SWEDEN, Sweden ~72: BARRY, Simon Thomas;DE SOUZA CARNEVALLI, Larissa~ 33:US ~31:63/379,835 ~32:17/10/2022;33:US ~31:63/487,744 ~32:01/03/2023

2025/04146 ~ Complete ~54:RECYCLING COMPONENTS OF SUPPORTED PALLADIUM AND PLATINUM CATALYSTS ~71:Johnson Matthey Public Limited Company, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: REID, Hazel Mary;SPELLER, Stephen;TURNER JONES, Michael;TURTON, Mark David;WITTON, Rebecca Louise~ 33:GB ~31:2300598.6 ~32:16/01/2023

. - APPLIED ON 2025/05/16 -

2025/04154 ~ Provisional ~54:PUG KNIFE ASSEMBLY ~71:BRICK MANAGEMENT AND MANUFACTURING SUPPLIES (PTY) LTD, 14 Kya Sand Road, Kya Sand, South Africa ~72: DUNN, Ronald~

2025/04160 ~ Complete ~54:TRADITIONAL CHINESE MEDICINAL SPRAY FOR TREATING SKIN DISEASES ~71:Jie Lv, 302, 3rd Floor, Unit 2, Town Government Family Building, Hailong Town, Meihekou City, Tonghua City, Jilin Province, People's Republic of China ~72: Changchun Li;Haochen Li;Jie Lv;Jinliang Li;Jinxin Li;Xiayi Li;Yang Yang~ 33:CN ~31:2025101953101 ~32:21/02/2025

2025/04162 ~ Complete ~54:NOVEL INTESTINAL OBSTRUCTION CATHETER ~71:HOU Liying, 279 Zhouzhu Road, Pudong New Area, Shanghai, People's Republic of China;SHANGHAI UNIVERSITY OF MEDICINE & HEALTH SCIENCES, 279 Zhouzhu Road, Pudong New Area, Shanghai, People's Republic of China ~72: HOU Liying;KE Yufei;SHI Tianqi~

2025/04163 ~ Complete ~54:ANTI-EXTRAVASATION INFUSION DEVICE WITH SEALING FUNCTION ~71:AFFILIATED HOSPITAL OF ZUNYI MEDICAL UNIVERSITY, No. 149, Dalian Road, Huichuan District, Zunyi City, Guizhou Province, People's Republic of China ~72: Jie Li;Qili Cao;Xiang Li;Xiaoli Yuan;Ye Cui;Yuanli Jiang~ 33:CN ~31:2025104367520 ~32:09/04/2025

2025/04166 ~ Complete ~54:HUMAN-MACHINE INTERACTION SYSTEM BASED ON AI LARGE MODEL ~71:ZHENGZHOU UNIVERSITY OF AERONAUTICS, NO.2 DAXUE MIDDLE ROAD, ZHENGZHOU CITY, People's Republic of China ~72: HAO, Yidong;HE, Jiayue;HE, Linlin;MA, Rongchen;WANG, Sheng;XU, Yangming~

2025/04171 ~ Complete ~54:A SYSTEM FOR EVALUATING EDGE DETECTION ALGORITHMS FOR OBJECT CLASSIFICATION IN CONVOLUTIONAL NEURAL NETWORKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHATT, Vansh;JOSHI, Anita;MALI, Vedika;PATIL, Vedant;THORAT, Ved;VANIYA, Pallav;VEER, Abhishek~

2025/04177 ~ Complete ~54:MUTATED PROTOPORPHYRINOGEN IX OXIDASE (PPX) GENES ~71:CIBUS EUROPE B.V., Goessestraatweg 19, 4421 AD, Kapelle, Netherlands;CIBUS US LLC, 6455 Nancy Ridge Drive Suite 100, San Diego, California, 92121, United States of America ~72: AURA DE SCHOPKE;CHRISTIAN SCHOPKE;GREGORY F W GOCAL;JAMES PEARCE;KEITH A WALKER;PETER R BEETHAM;SARAH DUMM~ 33:US ~31:61/370, 436 ~32:03/08/2010

2025/04178 ~ Complete ~54:A WALKING AID ~71:RAIBLE, Kurt Roland, Farm Greenhithe, PTN 468 JQ, Buffelshoek, MOOINOOI 0325, North West Province, SOUTH AFRICA, South Africa ~72: RAIBLE, Kurt Roland~

2025/04182 ~ Complete ~54:A MACHINE LEARNING-BASED CREDIT CARD FRAUD DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR,

BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GUNJAL, Yash;KULKARNI, Yash;SONWANE, Vishnu R.;YENPURE, Siddhant;YEOLE, Rohit;ZANJE, Siddika~

2025/04218 ~ Provisional ~54:INTERCHANGABLE PATCHES ~71:Loulene, 85 swartklip clearview estate north, South Africa ~72: Loulene~

2025/04161 ~ Complete ~54:METHOD AND SYSTEM FOR PREDICTING PASSENGER DEMAND AT RAIL TRANSIT HUBS BASED ON DATA ANALYSIS ~71:JIAXING NANYANG POLYTECHNIC INSTITUTE, 999 Dade Road, Jiaxing City, Zhejiang Province, 314033, People's Republic of China ~72: LI Qingyu;XIE Chuanzhi~ 33:CN ~31:2025105065123 ~32:22/04/2025

2025/04176 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING AN ANGIOTENSINOGEN-(AGT-) ASSOCIATED DISORDER ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: DONALD FOSTER;JAE KIM;SAGAR AGARWAL;STEPHEN ALBERT HUANG~ 33:US ~31:62/934,695 ~32:13/11/2019;33:US ~31:63/017,854 ~32:30/04/2020

2025/04179 ~ Complete ~54:INTELLIGENT WIND FARM EQUIPMENT MANAGEMENT SYSTEM AND MANAGEMENT METHOD ~71:INNER MONGOLIA LONGYUAN MENGDONG NEW ENERGY CO., LTD, NO. 13 XING'AN STREET, SONGSHAN DISTRICT, CHIFENG CITY, People's Republic of China ~72: BAI, Wenhao;CHEN, Fangqiu;HU, Jiaqi;WANG, Junping;WANG, Yanli;XU, Mingxing~

2025/04184 ~ Complete ~54:AN AUTOMATED SPIT DETECTION AND ALERT SYSTEM USING OBJECT DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: NANDESHWAR, Vikas;SHENDE, Vishwatej;SHENDRE, Rishi;SHENGOLKAR, Lokesh;SHETE, Anish;SHINDE, Arya;SHINDE, Darshan~

2025/04192 ~ Complete ~54:A VITAMIN DEFICIENCY DETECTION SYSTEM USING IMAGE PROCESSING AND MACHINE LEARNING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar;SOLANKE, Samiksha;SOLANKI, Purvi;SOLUNKE, Aditya;SOMAN, Ishan;SOMANI, Nimish~

2025/04201 ~ Complete ~54:MULTILAYER METALLIZED PAPER-BASED PACKAGING MATERIAL ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BHATTACHARYA, Abhijit;JUKARAINEN, Jenni Irina~ 33:EP ~31:22203403.5 ~32:24/10/2022

2025/04206 ~ Complete ~54:NOVEL ANTIBODY DRUG CONJUGATES WITH NOVEL NAPI2B ANTIBODIES, THERAPEUTIC METHODS AND USES THEREOF ~71:TUBULIS GMBH, Am Klopferspitz 19a, Germany ~72: CYPRYS, Philipp;GERLACH, Marcus;HELMA-SMETS, Jonas;HERTERICH, Sarah;KASPER, Marc-André;MAI, Isabelle;SCHMITT, Saskia;SCHUMACHER, Dominik;VOGL, Annette~ 33:EP ~31:22202154.5 ~32:18/10/2022;33:EP ~31:23172910.4 ~32:11/05/2023

2025/04210 ~ Complete ~54:METHOD FOR RECYCLING USED OR WASTE PERMANENT MAGNETS ~71:CAREMAG, Tour Part Dieu, 129 Rue Servient, France ~72: BENGIO, David~ 33:FR ~31:2213230 ~32:13/12/2022

2025/04159 ~ Complete ~54:POWER GENERATION DEVICE UTILIZING GRAVITY INERTIA ~71:Jinlong Zhang, No.1, Shipo, Niudian Village, Niudian Town, Xinmi, Henan, People's Republic of China ~72: Jinlong Zhang~

2025/04168 ~ Complete ~54:A DECENTRALIZED VOTING SYSTEM USING BLOCKCHAIN ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR,

BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAJAD, Tanmay;JADHAV, Tanishkka;PANDITA, Rahul;SINGH, Tanmay;SRIVASTAVA, Tanmay;TAWALE, Sujal;WAIKER, Rahul~

2025/04174 ~ Complete ~54:ANTI GAP TELESCOPIC DEVICE FOR RAIL TRANSIT ~71:HUAINAN NORMAL UNIVERSITy, DONGSHAN WEST ROAD, TIANJIA'AN DISTRICT, HUAINAN CITY, People's Republic of China ~72: LI, Shujuan;LI, Zhirong;SONG, Yuhan;WANG, Shiwei;ZHU, Xiaoyue;ZHU, Zhixiang~

2025/04155 ~ Provisional ~54:MEDICAMENT KIT FOR THE TREATMENT OF COMMON AILMENTS IN INFANTS AGED 0 TO 12 MONTHS ~71:BAVITA VALAB-SHAH, 26 FORE STREET READING COUNTRY ESTATE, South Africa;CHANEL DU PLOOY-HITGE, 16 SAPPHIRE DRIVE, MIDSTREAM MEADOWS, South Africa ~72: BAVITA VALAB-SHAH;CHANEL DU PLOOY-HITGE~

2025/04156 ~ Complete ~54:A DRY SUSPENDING AGENT OF BACILLUS VELEZENSIS AND ITS PREPARATION METHOD ~71:China National Tobacco Corporation Guangdong Company, 128 Linhe East Road, Tianhe District,, Guangzhou, Guangdong, 510610, People's Republic of China;Guangdong Tobacco Meizhou Co., LTD, Liming Road, Meijiang District, Meizhou, Guangdong, 514021, People's Republic of China;Huizhou Yinnong Technology Co., LTD, Chiao Section, Ma'an Town, Huizhou, Guangdong, 516006, People's Republic of China;Plant Protection Research Institute,Guangdong Academy of Agricultural Sciences, No.7 Jinying Road, Tianhe District, Guangzhou, Guangdong, 510640, People's Republic of China;South China University of Technology, No. 381 Wushan Road, Tianhe District, Guangzhou, Guangdong, 510640, People's Republic of China ~72: CHEN Zepeng;LI Wencai;LIAO Lianan;LIN Birun;LIN Zhengming;LIU Pingping;MO Junrui;PU Xiaoming;QIAN Yixi;SHEN Huifang;SUN Dayuan;TAN Kui;TIAN Juntong;WANG Xiaohui;YANG Faheng;YANG Qiyun;ZHANG Jingxin~

2025/04158 ~ Complete ~54:AUTOMATIC MONITORING RAIN GARDEN SYSTEM AND ITS CONSTRUCTION AND EXPERIMENTAL METHODS ~71:Jiangsu Ocean University, No. 59 Cangwu Road, Haizhou District, Lianyungang, Jiangsu Province, 222005, People's Republic of China ~72: Ankang LIU;Lijie KUANG;Lin CHEN;Qing XU;Shuang LYU;Wenjin ZHU;Xinyue TANG;Zhangjie LU~ 33:CN ~31:2024111511926 ~32:21/08/2024

2025/04164 ~ Complete ~54:A METHOD FOR INHIBITING WATER EVAPORATION AND AN APPLICATION OF AN ANTI-EVAPORATION AGENT ~71:CHENGDU HANOVA BIOSCIENCES CO., LTD, Chengdu Tianfu International Bio-town, High-Tech Zone (No. 19, Huigu West 1st Road, Shuangliu District),, People's Republic of China ~72: Jiayu LIU;Quan SHI;Tingzhuo CHEN~ 33:CN ~31:202510450020.7 ~32:10/04/2025

2025/04173 ~ Complete ~54:MICRO - DISTANCE RECOGNITION MANIPULATOR FOR MANUFACTURING ROBOTS ~71:SHANDONG INSTITUTE OF PETROLEUM AND CHEMICAL TECHNOLOGy, NO.500, NORTH SECOND ROAD, DONGYING CITY, People's Republic of China ~72: LIU, Jiaming;LIU, Lihong;LIU, Shanzeng;LIU, Xiaojun;ZHANG, Zhujun~

2025/04181 ~ Complete ~54:AN INSTANT TEXT COMPREHENSION AND SPEECH INTERFACE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar Gajanan;MALODE, Sumedh;SHINDE, Sudhakar;SRIVASTAVA, Ayush Sunil;SULTANE, Nikhil;SUPE, Jagruti;THAKUR, Sujal~

2025/04187 ~ Complete ~54:A SYSTEM FOR ACCIDENT PREVENTION ON GHAT ROADS USING IMAGE PROCESSING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar;KATOLE, Sneha;MANJARE, Siddhesh;PHATANGARE, Sneha;SINGH, Tanishka;TAMBE, Siddhesh;YERAWAR, Siddhi~

2025/04188 ~ Complete ~54:A HEALTHCARE APPOINTMENT AND RECORD MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ANAND, Arnav;ANAND, Ridham;BENDE, Shrikar;GUPTA, Akshat;JAMBHULKAR, Shreyash V.;MUTHA, Shreyash;WANJALE, Pooja~

2025/04190 ~ Complete ~54:A METHOD FOR AUTOMATED DETECTION OF DIABETIC RETINOPATHY USING DEEP LEARNING TECHNIQUES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar;MUNDHADA, Suraj;SURWASE, Hariom;SURYAWANSHI, Avishkar;SURYAWANSHI, Ketakee;SUTAR, Aryan~

2025/04194 ~ Complete ~54:A FARMER MANAGEMENT SYSTEM USING INTEGRATED CHATBOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAWARTHI, Amruta;KHULLAR, Lav;KUTE, Anuja;LAGAD, Digvijay;LAKHOTIYA, Tanisha;LAWALE, Ketan;LAWANDE, Chaitanya~

2025/04195 ~ Complete ~54:A HEALTH RECORD MANAGEMENT USING BLOCKCHAIN ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar G.;KARANJKAR, Soham M.;KUMBHAR, Snehal;PARDESHI, Soham;PAWAR, Soham;SOLANKE, Rahul;SOLANKE, Rutuja~

2025/04197 ~ Complete ~54:A BRAIN TUMOR DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAVALKAR, Suyash;SUTAR, Ruturaj;SUTAR, Supriya;SWAMI, Kanchan;SWAMI, Samarth;WAIKAR, Rahul. A.;YERAWAR, Swara~

2025/04202 ~ Complete ~54:PREFORM OF A PLASTIC CONTAINER AND CORRESPONDING INJECTION MOLD ~71:S.I.P.A. Societa' Industrializzazione Progettazione e Automazione S.P.A., Via Caduti del Lavoro, 3, 31029, VITTORIO VENETO, ITALY, Italy ~72: BRUSADIN, Marco;PIZZINAT, Tiziano;ZOPPAS, Matteo~ 33:IT ~31:102022000021594 ~32:19/10/2022

2025/04213 ~ Complete ~54:AN INDOOR LOCALIZATION SOLUTION FOR WIRELESS COMMUNICATION NETWORKS ~71:WIREPAS OY, Visiokatu 4, Tampere, 33720, Finland ~72: TIAGO TROCCOLI~ 33:FI ~31:20225992 ~32:04/11/2022

2025/04217 ~ Provisional ~54:HALOTAG – A WEARABLE CHILD SAFETY DEVICE ~71:Sharnedene Neethling, 7 Shamrock, South Africa ~72: Sharnedene Neethling~

2025/04153 ~ Provisional ~54:MODULAR HIGH-VOLTAGE ELECTROMAGNETIC POWER CELL ~71:Lusapo Austin Ngcwabe, 9 Oak Avenue, South Africa ~72: Lusapo Austin Ngcwabe~ 33:ZA ~31:1 ~32:15/05/2025

2025/04157 ~ Complete ~54:AN AMPHIPHILIC XYLAN POLYMER, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF IN PESTICIDE ~71:Guangdong Branch of China National Tobacco Corporation, 128 Linhe East Road, Tianhe District, Guangzhou, Guangdong, 510610, People's Republic of China;Guangdong Tobacco Meizhou Co., LTD, Liming Road, Meijiang District, Meizhou, Guangdong, 514021, People's Republic of China;Guangzhou Yingchuang Technology Co., Ltd., 506, Floor 5, Building 16, No. 22, Lixinshi Road, Zengcheng District, Guangzhou, Guangdong, 511340, People's Republic of China;Plant Protection Research Institute,Guangdong Academy of Agricultural Sciences, No.7 Jinying Road, Tianhe District, Guangzhou, Guangdong, 510640, People's Republic of China;South China University of Technology, No. 381 Wushan Road, Tianhe District, Guangzhou, Guangdong, 510640, People's Republic of China ~72: CHEN Zhenlu;DU Guitao;LIN

Birun;LIN Zhengming;LIU Pingping;PU Xiaoming;SHEN Huifang;SUN Dayuan;TIAN Juntong;WANG Xiaohui;YANG Qiyun;ZHANG Jingxin;ZHAO Chenghai~

2025/04169 ~ Complete ~54:AN AI-BASED SIGN LANGUAGE TO TEXT AND TEXT TO SIGN INTERPRETER SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DANGE, Shantanu;DOMBALE, Anita;GUJRATHI, Sharan;SHAHA, Omkar;SHELAR, Anjali;SHIKALGAR, Adil~

2025/04183 ~ Complete ~54:A BLUETOOTH CONTROLLED RIVER CLEANING ROVER SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: SONWANE, Vishnu R.;WANWE, Shreya V.;WARADE, Soniya P.;WARALE, Krupal V.;WASNIK, Siddhant S.;WATHURKAR, Vineet V.~

2025/04185 ~ Complete ~54:A DATA ANALYZER TOOL SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: SONWANE, Vishnu;WAGHMODE, Prerna;WAKCHAURE, Ishwari;WAKLE, Prajwal;WALIKAR, Amey;WAMAN, Radha;WANKHEDE, Dhanashri~

2025/04189 ~ Complete ~54:A COMPREHENSIVE WILDLIFE PROTECTION SYSTEM USING YOLO ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAM, Shlok;CHULLIYAN, Shreyas;NYAYAPATHI, Shreekar;RAI, Shrey;SHIVSHETTE, Anjali;SONAWANE, Shreya;WANJALE, Pooja~

2025/04165 ~ Complete ~54:A NOVEL WHEY PROTEIN ISOLATE-INULIN (WPI-IN) COMPLEX WITH ANTIOXIDANT CAPACITY AND IMMUNOMODULATORY ACTIVITY ~71:LANZHOU UNIVERSITY, No. 222 South Tianshui Road, Lanzhou, People's Republic of China;ZHANGYE WATER SAVING AGRICULTURAL EXPERIMENTAL STATION, GANSU ACADEMY OF AGRICULTURAL SCIENCES, 9 Kilometers South Suburb, Zhangye City, People's Republic of China ~72: CHAI, Xuejun;DING, Liangliang;JU, Qi;JU, Xueyang;LI, Xing;LIU, Diru;PEI, Liangqi;ZHAO, Weilin~ 33:CN ~31:2025104127955 ~32:02/04/2025

2025/04167 ~ Complete ~54:VIBRATING FLUIDIZED BED DRYING DEVICE ~71:HUAIYIN INSTITUTE OF TECHNOLOGY, NO.1, EAST MEICHENG ROAD, QINGJIANGPU DISTRICT, HUAI'AN, People's Republic of China;NANJING FORESTRY UNIVERSITY, NO.1, EAST MEIGAO ROAD, QINGJIANGPU DISTRICT, HUAI'AN, People's Republic of China ~72: HONG, Kun;JIANG, Heng;KONG, Yazhou;LI, Deqi;LI, Yanjiao;SUN, Hao;WANG, Jinquan~

2025/04170 ~ Complete ~54:A SYSTEM FOR MANAGING TOWING SERVICES ONLINE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JHA, Swastik;KANOJE, Swayam;PATIL, Swaraj;TAJNE, Ketan;TAKALE, Abhjeet;TALE, Mangesh;WAIKAR, Rahul~

2025/04172 ~ Complete ~54:A HY-TECH SHOPPING CART SYSTEM USING OBJECT DETECTION AND HUMAN FOLLOWING TECHNOLOGY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: THAKUR, Isha;THAKUR, Raj;THAKUR, Shatananda;THORVE, Prashant;THOTE, Anshul;THUSE, Tanishq~

2025/04175 ~ Complete ~54:BIOMARKERS FOR MYCOBACTERIUM TUBERCULOSIS DETECTION ~71:KUNAMANDLA HEALTH SOLUTIONS (PTY) LTD, 60 Westmeath Avenue, Bonela, Durban, KwaZulu Natal, 4091, South Africa ~72: MICHELLE MAHARAJ~ 33:ZA ~31:2024/03824 ~32:17/05/2024

2025/04186 ~ Complete ~54:AN IOT BASED SMART LOCK SYSTEM FOR ENHANCED SECURITY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAWARTHI, Amruta;KOLI, Swapnil;KOSHATWAR, Prasad;KOTHARI, Pranit;KSHIRSAGAR, Dattatray;KSHIRSAGAR, Manas;KSHIRSAGAR, Tanishka~

2025/04196 ~ Complete ~54:A TRAFFIC MANAGEMENT SYSTEM WITH MACHINE LEARNING-BASED SIGNAL OPTIMIZATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGUL, Manas M.;MALVE, Taneesha V.;RAJURKAR, Shantanu P.;RAKSHIT, Bhawana D.;RAMTEKE, Shwet B.;RANADIVE, Ishan P.;RANE, Chinmay D.;TELSANG, Supriya S.~

2025/04198 ~ Complete ~54:CATALYST BASED ON A ZEOLITE AND AN ALPO STRUCTURE AND HAVING A HIGH MACROPOROUS VOLUME ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois Préau, France;TOTALENERGIES ONETECH, La Defense 6, 2 Place Jean Millier, France ~72: BAZER BACHI, Delphine;COUPARD, Vincent;DUPLAN, Guillaume;EUZEN, Patrick;MAURY, Sylvie;MINOUX, Delphine;RAFIK-CLEMENT, Souad~ 33:FR ~31:FR2214298 ~32:22/12/2022

2025/04199 ~ Complete ~54:ANTI-N3PGLU AMYLOID BETA ANTIBODIES, DOSES, AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: DABORA, Matan C.;GUEORGUIEVA, Ivelina I.;JIN, Yan;KILEY, Christina Marie;MINTUN, Mark Arthur;SKOVRONSKY, Daniel~ 33:US ~31:63/384,224 ~32:17/11/2022;33:US ~31:63/490,544 ~32:16/03/2023

2025/04200 ~ Complete ~54:SIMPLE AND SCALABLE ASSEMBLY OF BATTERY CELLS USING PRINTED CIRCUIT BOARDS ~71:John Cockerill Defense SA, Rue Alfred Deponthière, 44, LONCIN 4431, BELGIUM, Belgium ~72: JAVAUX, Maxime;TITS, Ronny~ 33:EP ~31:22208379.2 ~32:18/11/2022

2025/04203 ~ Complete ~54:ANTI-BASAL CELL ADHESION MOLECULE ANTIBODY-DRUG CONJUGATE ~71:Debiopharm Research & Manufacturing S.A., Rue du Levant 146, MARTIGNY 1920, SWITZERLAND, Switzerland;Genome & Company, Inc., 7, 8F, 50, Changnyong-daero 256beon-gil, Yeongtong-gu, SUWON-SI 16229, GYEONGGI-DO, REPUBLIC OF KOREA, Republic of Korea ~72: BELLOCQ, Nathalie;CHA, Mi Young;HA, Youngeun;JEON, Bunam;KIM, Hyun Uk;KIM, Yun Yeon;LEVY, Frederic;MARX, Léo;PANTIN, Mathilde;PARK, Kitae;YU, Hyunkyung~ 33:KR ~31:10-2022-0155122 ~32:18/11/2022

2025/04207 ~ Complete ~54:METHOD FOR DETERMINING, USING AN OPTRONIC SYSTEM, POSITIONS AND ORIENTATIONS IN A SCENE, AND ASSOCIATED OPTRONIC SYSTEM AND VEHICLE ~71:THALES, 4 Rue de la Verrerie, France ~72: BECHE, Arnaud;CALLET, François;DEVAUX, Jean-Clément;JEROT, Pascal;LE MEUR, Alain;SIMON, Alain~ 33:FR ~31:FR2212082 ~32:21/11/2022

2025/04211 ~ Complete ~54:BISPECIFIC ANTIBODY FOR GLYPICAN-3 AND USE THEREOF ~71:SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD., Building 1, No. 576 Li Bing Road, No. 56 Faraday Road, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: CHEN, Shihao;JIANG, Jiahua;LIU, Xiaofen;LUO, Xiao;SHI, Yingying~ 33:CN ~31:202211366621.2 ~32:01/11/2022;33:CN ~31:202311361967.8 ~32:19/10/2023

2025/04212 ~ Complete ~54:SEMANTIC SEGMENTATION METHOD, DEVICE AND SYSTEM AND EXCAVATOR ~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: JIAN LIU;JIAN ZHANG;WENJIE SHI~ 33:CN ~31:202410220047.2 ~32:27/02/2024

2025/04214 ~ Complete ~54:ADDRESS GENERATION SYSTEM FOR A WIRELESS COMMUNICATION NETWORK ~71:WIREPAS OY, Visiokatu 4, Tampere, 33720, Finland ~72: GWENDAL RAOUL;VILLE KASEVA~ 33:FI ~31:20225999 ~32:04/11/2022

2025/04216 ~ Complete ~54:PRINTED CIRCUIT BOARD INCLUDING FIXING PART AND ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BONGCHAN KIM;HWAJOONG JUNG;JAEHYOUNG PARK;JIYEON JO;KWANGSEOK BYON;TAEHWAN KIM~ 33:KR ~31:10-2022-0133209 ~32:17/10/2022;33:KR ~31:10-2022-0148015 ~32:08/11/2022

2025/04180 ~ Complete ~54:INTELLIGENT PRODUCTION OPERATION MANAGEMENT SYSTEM AND METHOD FOR WIND FARM ~71:INNER MONGOLIA LONGYUAN MENGDONG NEW ENERGY CO., LTD, NO. 13 XING'AN STREET, SONGSHAN DISTRICT, CHIFENG CITY, People's Republic of China ~72: HU, Jiaqi;LI, Penghuan;YU, Chongyang;ZHANG, Rui;ZHANG, Zhili~

2025/04204 ~ Complete ~54:NOVEL ANTI-NAPI2B ANTIBODIES AND ANTIBODY-DRUG-CONJUGATES BASED THEREON, THERAPEUTIC METHODS AND USES THEREOF ~71:TUBULIS GMBH, Am Klopferspitz 19a, Germany ~72: CYPRYS, Philipp;GERLACH, Marcus;HELMA-SMETS, Jonas;HERTERICH, Sarah;KASPER, Marc-André;MAI, Isabelle;SCHMITT, Saskia;SCHUMACHER, Dominik;VOGL, Annette~ 33:EP ~31:22202150.3 ~32:18/10/2022

2025/04209 ~ Complete ~54:ANTI-DRIP DEVICE FOR A BEVERAGE DISPENSING ASSEMBLY ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: PAAUWE, Arie Maarten;ZEEGERS, Petronella Joanna~ 33:EP ~31:22208572.2 ~32:21/11/2022

2025/04191 ~ Complete ~54:A MACHINE LEARNING BASED HEART DISEASE DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar Gajanan;MAYKAR, Soyam;MUNNALURI, Sri Sai Preethi;SONNE, Kunal;SONTAKKE, Swaraj;SONWANE, Ganesh;SOWALE, Arnav~

2025/04193 ~ Complete ~54:A CHARACTER RECOGNITION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar;SOMWANSHI, Urvesh;SONADKAR, Abhishek;SONAWANE, Rupesh;SONDAWALE, Rounak;SONDE, Anushka;SONI, Abhishek~

2025/04205 ~ Complete ~54:INTELLIGENT CULTURAL RELIC SHELF HAVING PROTECTION FUNCTIONALITY ~71:Jiangxi Yuanjin Science & Technology Group Co., Ltd., Chengbei Economic and Technological Development Zone,, Zhangshu, Yichun, Jiangxi 331208, People's Republic of China ~72: FU RUNHUA~ 33:CN ~31:2023101851486 ~32:01/03/2023

2025/04208 ~ Complete ~54:DRUG-CONTAINING DEVICES, SUPRACHOROIDAL SPACE IMPLANTS, AND ADAPTERS FOR INJECTION ~71:BEIJING SIGHTNOVO MEDICAL TECHNOLOGY CO., LTD, Suite 228, Unit A, Building 2, Global Health Innovation Center, No. 1 Yongtaizhuang North Road, People's Republic of China ~72: LI, Chuan;SUN, Yueguang;XIA, Chaoran;ZHAO, Chan~

2025/04215 ~ Complete ~54:ANTI-PAPP-A ANTIBODIES AND METHODS OF USE THEREOF ~71:ABBVIE INC., 1 North Waukegan Road, North Chicago, Illinois, 60064, United States of America;CALICO LIFE SCIENCES LLC, 1170 Veterans Blvd, South San Francisco, California, 94080, United States of America ~72: ADAM FREUND;JEFFREY R BARKER;YULIYA KUTSKOVA~ 33:US ~31:63/383,875 ~32:15/11/2022

. - APPLIED ON 2025/05/19 -

2025/04234 ~ Complete ~54:ENERGY SAVING CONTROL METHOD FOR BUILDING HEATING, VENTILATION, AND AIR CONDITIONING ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Mengmeng Xu;Wenguo Chen~

2025/04240 ~ Complete ~54:AN IOT-ENABLED WASTE FIRE DETECTION AND POLLUTION MAPPING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DEO, Janhvi;GAUTAM, Jay;JATKAR, Mithil;JAWALE, Sarvesh;JIRGALE, Vikram;PAUNIKAR, Jay;SAWANT, Sachin S.~

2025/04243 ~ Complete ~54:AN INTEGRATED AGRICULTURAL MANAGEMENT AND MARKETPLACE SYSTEM FOR FARMERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DAGADE, Radhika;DAHATONDE, Vaibhav;DANE, Rohit;DANGAT, Sanskar;DEORE, Prem;DGAMA, Nevan;KHEDEKAR, Lokesh~

2025/04251 ~ Complete ~54:LANDFILL COVER LAYER CONSTRUCTED FROM CONSTRUCTION WASTE AND APLLICATION THEREOF ~71:SHANTOU POLYTECHNIC, Donghu, District, Shantou City, People's Republic of China ~72: CHEN,Yan;GE, Zijie;LIU, Hanqing;XIE, Jiamin;ZHUANG, Yan~

2025/04253 ~ Complete ~54:METHOD AND SYSTEM FOR TESTING SOLAR PHOTOVOLTAIC MODULE ~71:INNER MONGOLIA UNIVERSITY OF TECHNOLOGY, No.49 Aimin Road (North), Xincheng District, Huhhot City, People's Republic of China ~72: LIU, Yuhang~ 33:CN ~31:202510301983.0 ~32:14/03/2025

2025/04260 ~ Complete ~54:SYNTHETIC ANTIBODY AGONISTS OF ERYTHROPOIETIN RECEPTOR ~71:EPOK THERAPEUTICS INC., 2400-333 BAY STREET, TORONTO, ONTARIO M5H 2T6, CANADA, Canada ~72: ADAMS, Jarrett;CARDARELLI, Rodilia;SIDHU, Sachdev;YANG, Ning~ 33:US ~31:63/383,584 ~32:14/11/2022;33:IT ~31:102022000023499 ~32:15/11/2022

2025/04264 ~ Complete ~54:CONDITIONING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ALEXANDER MARC LAURIN HELL;JANA GUELZOW;RAQUEL GUTIERREZ-ABAD;SINEAD ELIZABETH HITCHEN;WILLIAM JAMES NEWLAND~ 33:EP ~31:22214461.0 ~32:19/12/2022

2025/04228 ~ Complete ~54:CONFIGURATION METHOD OF WATER PURIFICATION PLANTS ASSISTED WITH IMMOBILIZED CHLORELLA VULGARIS ~71:Chongqing Institute of Medicinal Plant Cultivation, Sanquan Residents' Committee, Sanquan Town, Nanchuan District, Chongqing, 408435, People's Republic of China ~72: FENG, Li;FU, Yan;GUO, Yu;HAN, Liang;LEI, Meiyan;LIAO, Weiling;TANG, Xingqun;WU, Jin;XIAO, Bo;ZHAO, Xiaohong~

2025/04233 ~ Complete ~54:POWER CABINET FOR ELECTROMECHANICAL EQUIPMENT IN ELECTROMECHANICAL AND ELECTRICAL ENGINEERING ~71:Fujian Yueshan Energy Technology Co., Ltd., Room 601, No. 1, Shiluogu North Lane, Suxi, Xicheng, Xinluo District, Longyan City, Fujian Province, 364031, 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: DENG Lifeng;DENG Zihan;DONG Shanshan;KONG Youfang;LEI Zuozhao;LOU Tong;NIU Zhehui;PANG Binbin;PANG Kaige;ZHONG Zhiguang~

2025/04236 ~ Complete ~54:MATERIAL TRANSPORT APPARATUS FOR INTELLIGENT MANUFACTURING ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Jiali Kong;Minghui Zheng;Shengtao Li~

2025/04245 ~ Complete ~54:A BLOCKCHAIN BASED SYSTEM FOR CROWDFUNDING-INVESTMENT ECOSYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: HIWRALE, Aditya;HOL, Sanket;HOLKAR, Amit;HUMBE, Rohan;HUMBE, Vedant V.;KHUBCHANDANI, Jyoti;KOTWAL, Imran A.~

2025/04255 ~ Complete ~54:BOVINE WHOLE-GENOME SNP CHIP AND USE THEREOF ~71:Beijing Jingwa Agricultural Science & Technology Innovation Center, No. 1, Yuda Street, Yukou Town, Pinggu District, Beijing 101206, People's Republic of China;China Agricultural University, No. 2, Yuanmingyuan West Road, Haidian District, Beijing 100193, People's Republic of China ~72: GAO, Jiarui;LI, Youzhi;LIU, Guoshi;LIU, Xuening;LIU, Yunjie;LU, Yongqiang;MA, Wenkui;PIAO, Xiangshu;SUN, Zhigang;WANG, Bingyuan;WANG, Tiankun;WU, Hao;YAN, Laiqing;YAO, Songyang;ZHANG, Lu;ZHOU, Jun~ 33:CN ~31:202311630671.1 ~32:30/11/2023

2025/04259 ~ Complete ~54:A COMPUTER-IMPLEMENTED PROCESS FOR PROCESSING AN EXTRACTION PLAN AND ASSOCIATED HARDWARE AND SYSTEMS ~71:DEEPGREEN ENGINEERING PTE. LTD, International Plaza 10, Anson Road, Singapore ~72: BUCKLEY, Toby;CLARKE, Michael;JONES, Andrew;MACHIN, Jonathan Bruce;O'SULLIVAN, Anthony~

2025/04227 ~ Complete ~54:MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION IN NURSING COURSES ~71:XINYU UNIVERSITY, NO. 2666 SUNSHINE AVENUE, HIGH TECH ZONE, XINYU CITY, People's Republic of China ~72: LI, Qi;WU, Suting~

2025/04246 ~ Complete ~54:A HELMET AND NUMBER PLATE DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGAL, Nisha;BAGUL, Deven;BAMANE, Shraddha;BARDE, Anup;BARHATE, Diya;BARHATE, Minal;BARLINGAY, Anvita~

2025/04248 ~ Complete ~54:A WATER RECYCLING SYSTEM FOR HANDWASHING APPLICATIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KADAM, Pushkar;KADU, Anish;KADU, Sumiran;KAKAD, Sahil;KAKADE, Raj;KALASKAR, Prathmesh;SAWANT, Sachin S.~

2025/04254 ~ Complete ~54:METHODS OF IMPROVING CO2 TRAPPING AND MINERALIZATION VIA WATER-ALTERNATING-GAS CYCLING INJECTIONS IN SUBSURFACE ROCK RESERVOIRS ~71:THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, 412 Low Memorial Library, 535 West 116th Street, United States of America ~72: GOLDBERG, David, S.;NELSON, Claire, A.~ 33:US ~31:63/431,521 ~32:09/12/2022;33:US ~31:63/608,339 ~32:11/12/2023

2025/04261 ~ Complete ~54:AN IMPROVED BIOPESTICIDE ~71:ECOSPRAY LIMITED, Unit 16 Park Farm Business Centre, Fornham St Genevieve, Bury St Edmunds, IP28 6TS, United Kingdom ~72: AWAIS ANWAR;MURREE RICHARD GROOM~ 33:GB ~31:2215494.2 ~32:20/10/2022

2025/04269 ~ Complete ~54:GEARBOX AND AUTOMOBILE ~71:Chery Automobile Co., Ltd., No. 8, Changchun Road, Economy & Technology Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: DONG, Qixin;GAN, Shenglin;HAN, Yanyan;YE, Yuanlong;ZHOU, Zhiguang~ 33:CN ~31:202311251533.2 ~32:26/09/2023

2025/04221 ~ Provisional ~54:ELECTRICAL CONDUCTORS AND METHODS OF DOPING ~71:ZERO RESISTANCE (PTY) LTD, 17 Midas Avenue, Olympus, Pretoria, South Africa ~72: CLOETE, Andrè Christiaan;MYBURGH, Willem Tobias;PRINS, Johan Frans~

2025/04223 ~ Provisional ~54:GSM BASED DIGITAL E-COMMERCE PLATFORM ~71:Pieter Kruger, 30 Daniel Malan, South Africa ~72: Pieter Cornules Kruger~

2025/04237 ~ Complete ~54:MIST INHALER DEVICES ~71:SHAHEEN INNOVATIONS HOLDING LIMITED, Unit 2, Level 7, Al Sila Tower, Abu Dhabi Global Market Square, Al Maryah Island, Abu Dhabi, United Arab Emirates ~72: CLEMENT LAMOUREUX;IMAD LAHOUD;JEFF MACHOVEC;MOHAMMED ALSHAIBA SALEH GHANNAM ALMAZROUEI;SAJID BHATTI~ 33:IB ~31:PCT/IB2019/060808 ~32:15/12/2019;33:IB ~31:PCT/IB2019/060810 ~32:15/12/2019;33:IB ~31:PCT/IB2019/060811 ~32:15/12/2019;33:IB ~31:PCT/IB2019/060812 ~32:15/12/2019;33:EP ~31:20168231.7 ~32:06/04/2020;33:EP ~31:20168245.7 ~32:06/04/2020;33:EP ~31:20168938.7 ~32:09/04/2020

2025/04241 ~ Complete ~54:A WEB-BASED SYSTEM FOR BUYING AND SELLING UNUSED MEDICINES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: NANDESHWAR, Vikas;SHELKE, Rohan;SHELKE, Shreya;SHELKE, Siddhant;SHELKE, Vedant;SHENDE, Manas;SHENDE, Parag~

2025/04257 ~ Complete ~54:NOVEL SUBSTITUTED PYRAZINE-CARBOXAMIDE DERIVATIVES ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: DAHMANN, Georg;DU HOFFMANN, Johann Faustus;GERLACH, Kai;GIOVANNINI, Riccardo;HOHN, Christoph;JUST, Stefan;LEHMANN, Thorsten;PEKCEC, Anton;PETERS, Stefan;PFAU, Roland;SCHLICHTIGER, Julia;SOMMER, Heiko;SPECKER, Christian;WIEDENMAYER, Dieter~ 33:EP ~31:22204281.4 ~32:28/10/2022

2025/04268 ~ Complete ~54:DEDICATED HYBRID TRANSMISSION OIL BAFFLE, DEDICATED HYBRID TRANSMISSION, AND VEHICLE ~71:Chery Automobile Co., Ltd., No. 8, Changchun Road, Economy & Technology Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: LI, Yanan;SHU, Meizhen;YU, Song;ZU, Fei~ 33:IB ~31:202322575247.3 ~32:21/09/2023

2025/04229 ~ Complete ~54:A PLAIN CONCRETE PILE FOUNDATION SUPPORT CAST-IN-PLACE BEAM AND ITS CONSTRUCTION METHOD ~71:China Railway Seventh Engineering Bureau Group Guangzhou Engineering CO., LTD., No. 841-850, Building H6, No. 801-820, Building H7, No. 39, Ruihe Road, Huangpu District, Guangzhou City, Guangdong Province, 510535, People's Republic of China;China Railway Seventh Group CO., LTD., No, 1225, Hanghai East Road, Guancheng Hui District, Zhengzhou City, Henan Province, 450016, People's Republic of China ~72: Hepeng Li;Junlong Zu;Kechao Wei;Lu Jia;Miaodi Zhang;Qiang Wang;Wenhao Feng;Wentao Zhi;Xiaolong Peng;Xu Wu;Yuanjian Li;Zhanao Shi;Zhanhu Fu;Zhiyang Zhang~ 33:CN ~31:202510404072.0 ~32:01/04/2025

2025/04242 ~ Complete ~54:A GESTURE-BASED COMMUNICATION GLOVE FOR HEALTHCARE SETTINGS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KALBHAIRAV, Chaitanya A.;KALE, Arya A.;KALE, Ishan K.;KALE, Ninad S.;KALSHETTI, Aishwarya R.;KAMBLE, Ayushi M.;SAWANT, Sachin S.~

2025/04265 ~ Complete ~54:TRANSLUCENT OR TRANSPARENT ISOTROPIC LIQUID WASH COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ASHMIU OMARR MAADAKIN KOROMA;KIMBERLY DAY;TIRUCHERAI VARAHAN VASUDEVAN~ 33:EP ~31:22216808.0 ~32:27/12/2022

2025/04270 ~ Complete ~54:NOVEL ANTI-SENESCENCE COMPOUNDS ~71:VITEXIA APS, Fruebjergvej 3, Denmark ~72: WEIDNER, Morten~ 33:EP ~31:22208070.7 ~32:17/11/2022

2025/04274 ~ Provisional ~54:SYSTEM AND METHOD FOR CONTEXT-AWARE AUTOMATED RISK SCORING BASED ON AGGREGATED PUBLIC, REGULATORY, AND ASSOCIATIVE DATA USING INTELLIGENT

CONTEXT FILTERS ~71:Mark Germishuys, Oxford Office Park, Bauhinia St, Brakfontein 399-Jr,, South Africa ~72: Dennis Mark Germishuys~

2025/04220 ~ Provisional ~54:APPARATUS AND METHOD FOR DEUTERIUM-DEUTERIUM NUCLEAR FUSION BY PLASMA EXTRACTION THROUGH DIAMOND ~71:ZERO RESISTANCE (PTY) LTD, 17 Midas Avenue, Olympus, Pretoria, South Africa ~72: CLOETE, Andrè Christiaan;MYBURGH, Willem Tobias;PRINS, Johan Frans~

2025/04222 ~ Provisional ~54:A CLOSURE FOR A CONTAINER ~71:Aqua Monkey (Pty) Ltd., 53 Van Zyl Smit Street, Oberholzer, Carletonville 2499, North West Province, SOUTH AFRICA, South Africa ~72: ATHANASIADIS, Ioannis~

2025/04232 ~ Complete ~54:ADJUSTABLE GRIPPING DEVICE FOR ROBOT ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Jiali Kong;Minghui Zheng;Shengtao Li~

2025/04247 ~ Complete ~54:AN AI-DRIVEN ADAPTIVE LEARNING SYSTEM FOR ENHANCED STUDENT ENGAGEMENT AND PROGRESSION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANDARI, Mahesh;KODMELWAR, Manohar;PATIL, Om;SHINDE, Sahil;SUKTE, Chudaman;WANKHADE, Himanshu;WANKHADE, Shalini~

2025/04219 ~ Provisional ~54:ELECTRONIC VEHICLE LICENSE DISPLAY SYSTEM ~71:Gideon Joubert, 2115 Cura Avenue, South Africa ~72: Gideon Joubert~

2025/04224 ~ Provisional ~54:"HYBRID INTERNET SYSTEM FOR MULTI-MODAL DEPLOYMENT (SKYFIBER)" ~71:Letlhogonolo Mokoena, 11970 Palesa Street, Mabopane, South Africa ~72: Letlhogonolo Mokoena~

2025/04239 ~ Complete ~54:A SMART BEEHIVE MONITORING SYSTEM USING IOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DONGRE, Dr. Ganesh;GAIKWAD, Dr. Vijay;GHADEKAR, Premamand;KASURDE, Soham;NIMALE, Soham;RANE, Dr. Milind;SHAHARI, Sagar;SURDAS, Soham;TAYDE, Shubham~

2025/04244 ~ Complete ~54:AN ALGORITHM BASED REAL-TIME POTHOLE DETECTION SYSTEM FOR ROAD SAFETY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Rupali;KARNE, Kaustubh;KASETWAR, Ameya;KASTURE, Atharav;KASTURI, Saanvi;KASURDE, Srushti;MEHTA, Kartik;SAWANT, Sachin S.~

2025/04250 ~ Complete ~54:IMMOBILIZED ENZYME, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:HEFEI UNIVERSITY OF TECHNOLOGY, 195 Tunxi Road, Baohe District, Hefei City, People's Republic of China ~72: TAN, Zhe;WANG, Huan;WANG, Huiqing;YUAN, Jiali~

2025/04262 ~ Complete ~54:METHODS OF IDENTIFYING, DIFFERENTIATING BETWEEN, AND/OR SORTING CELLS ~71:UNIVERSITY OF TASMANIA, Churchill Avenue, Sandy Bay, Tasmania, 7005, Australia ~72: LAURA MAEVE PARSLEY~ 33:AU ~31:2022903552 ~32:23/11/2022

2025/04225 ~ Complete ~54:POLYMORPHISM DETECTION KIT AND DETECTION METHOD FOR SHEEP BMPR-1B GENE A746G ~71:NORTHEAST AGRICULTURAL UNIVERSITY, NO.600 CHANGJIANG ROAD, People's Republic of China;XINJIANG ACADEMY OF AGRICULTURAL AND RECLAMATION SCIENCE, NO.

221 WUYI ROAD, People's Republic of China ~72: CHEN, Yan;CHENG, Ruiqi;WANG, Zhipeng;YANG, Hua;YANG, Yonglin;YU, Qian;ZHANG, Wenzhe;ZHOU, Huaqian~

2025/04230 ~ Complete ~54:COMPOSITE MATERIAL PROCESSING APPARATUS AND METHOD ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Xiao Lyu;Yanchun Zhai;Zhigang Wei~

2025/04238 ~ Complete ~54:A COMPREHENSIVE DELIVERY SYSTEM FOR MEDICINES AND HEALTHCARE DEVICES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DOMBLE, Ayush;DONGARE, Aryan;DONGARE, Sudharshana;DOSHI, Harsh;DUBEWAR, Soumya;DUGAD, Pranit;MAHAJAN, Chandrashekhar~

2025/04249 ~ Complete ~54:SMART AUDIO DESCRIPTION GLASSES WITH OBJECT RECOGNITION AND OCR ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY`, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: NANDESHWAR, Vikas J.;PATIL, Shashank S.;SHEELWANT, Harshad S.;SHEIKH, Abdul S.;SHEJUL, Akash B.;SHELAR, Nishit S.;SHELKE, Bhavesh R.~

2025/04256 ~ Complete ~54:EASILY MOVABLE COMPACT SHELVING ~71:Jiangxi Yuanjin Science & Technology Group Co., Ltd., Chengbei Economic and Technological Development Zone,, Zhangshu, Jiangxi, 331208, People's Republic of China ~72: XU XIAOMAO~ 33:CN ~31:2023100716877 ~32:07/02/2023

2025/04263 ~ Complete ~54:HETEROCYCLIC COMPOUND AND USE THEREOF ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-Chome Chuo-ku Osaka-shi, Osaka, 541-0045, Japan ~72: ASATO KINA;FLORIAN PÜNNER;FUMIE YAMAGUCHI;HIROYUKI KAKEI;KAZUAKI TAKAMI;KEIKO KAKEGAWA;KENJIRO SATO;MAKOTO KAMATA;MASAKI SETO;MASATAKA MURAKAMI;MATTHEW THOMAS REYNOLDS;MINORU NAKAMURA;MITSUNORI KONO;NAO MORISHITA;OSAMU KUBO;SACHIE TAKASHIMA;SHINJI NAKAMURA;TADASHI HIDAKA;TAKAFUMI YUKAWA;TAKAHIKO TANIGUCHI;TAKU KAMEI;TAKUTO KOJIMA;TOMOHIRO OHASHI;TORU YAMASHITA;YUSUKE SASAKI;YUYA OGURO;ZENICHI IKEDA~ 33:US ~31:63/385,598 ~32:30/11/2022

2025/04271 ~ Complete ~54:DEVICE FOR INSPECTING A NUCLEAR REACTOR VESSEL ~71:INTERCONTROLE, 54-56 Rue D'Arcueil, France ~72: ARTILLAN, Eric;GARZINO, Geoffrey~ 33:FR ~31:FR2212418 ~32:28/11/2022

2025/04226 ~ Complete ~54:A COMPUTER-IMPLEMENTED METHOD AND A SYSTEM FOR PREDICTING USER THROUGHPUT IN A TELECOMMUNICATIONS NETWORK ~71:VODAFONE GROUP SERVICES LIMITED, Vodafone House, The Connection, United Kingdom ~72: GABER, Aymen;MOHAMED-WAHEED, Mohamed~ 33:GB ~31:2407619.2 ~32:29/05/2024

2025/04231 ~ Complete ~54:ZERO-DISCHARGE EQUIPMENT FOR FULL-SCALE TREATMENT OF CIRCULATING WATER VIA MICRO-ELECTROLYSIS IN A CIRCULATING WATER POOL ~71:Shanghai Qiangyuan Water Treatment Technology Co., Ltd, Room J2061, Floor 1, No. 185, Moyu Road, Anting Town, Jiading District, Shanghai, People's Republic of China ~72: Shizhao XIE~ 33:CN ~31:202410724561.X ~32:05/06/2024

2025/04235 ~ Complete ~54:WAREHOUSE ASSISTING RACK FOR INTELLIGENT MANUFACTURING ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Jiali Kong;Minghui Zheng;Shengtao Li~

2025/04252 ~ Complete ~54:SPLIT EMBEDED SLEEVE FOR SHIELD TUNNEL SEGMENT ~71:CHINA RAILWAY NO.5 ENGINEERING GROUP CO., LTD., No. 23 Zaoshan Road, Yunyan District, Guiyang City, People's Republic of China;HUAQIAO UNIVERSITY, No. 668 Jimei Avenue, Jimei District, Xiamen City, People's Republic of China;HUNAN CITY UNIVERSITY, No. 518 Yingbin East Road, Yiyang City, People's Republic of China;HUNAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.2 Shimatou, Yuhu District, Xiangtan City, People's Republic of China ~72: LI, Yongyi;LUO, Wuzhuang;OU, Ke;SHI, Kun;XU, Zan;YAN, Zhenwei;YU, Jin;ZHANG, Chao;ZHOU, Hao;ZHU, Dongping~

2025/04258 ~ Complete ~54:HETEROCYCLIC COMPOUNDS CAPABLE OF ACTIVATING STING ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: CAROTTA, Sebastian;DAHMANN, Georg;GODBOUT, Cédrickx;GRAHAM, Keith Andrew Newton;HANDSCHUH, Sandra Ruth;MISSEL, Timo;NAR, Herbert;OOST, Thorsten;REISER, Ulrich;SCHMIDT, Esther;TREU, Matthias~ 33:EP ~31:22203737.6 ~32:26/10/2022

2025/04266 ~ Complete ~54:PROCESSES FOR CELL EXPANSION ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: KRAUS, Marine;MARQUES DE LIMA, Maria;MASHINCHIAN, Omid;WIJAYA, Andy Wiranata~ 33:EP ~31:22203766.5 ~32:26/10/2022;33:EP ~31:22203772.3 ~32:26/10/2022

2025/04267 ~ Complete ~54:2-AMINO-N-(4-AMINO-3,4-DIOXO-1-(2-OXOPYRROLIDIN-3-YL)BUTAN-2-YL)BENZAMIDE DERIVATIVES AS PROTEASE INHIBITORS FOR TREATING OR PREVENTING CORONAVIRUS INFECTION ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: ACTON III, John J.;DE LERA RUIZ, Manuel;GUPTA, Mayuri;KELLY III, Michael J.;KLINGLER, Franca-Maria;LAYTON, Mark Eric;MCCAULEY, John A.;MORRIELLO, Gregori J.;NAWRAT, Christopher Charles;PARISH, Craig A.;ROECKER, Anthony J.;SHURTLEFF, Valerie W.;SU, Jing;TRUONG, Quang T.~ 33:US ~31:63/427,330 ~32:22/11/2022;33:US ~31:63/485,677 ~32:17/02/2023

2025/04275 ~ Provisional ~54:SYSTEM AND METHOD FOR CREATING AND MAINTAINING A COMPLIANCE DIGITAL TWIN FOR AUDIT AND REGULATORY MONITORING ~71:Dennis Mark Germishuys, Oxford Office Park, Bauhinia St, Brakfontein 399-Jr,, South Africa ~72: Dennis Mark Germishuys~

2025/04272 ~ Provisional ~54:VIRTUOUS DRIVESAFE SYSTEM ~71:Gillian Daniels, 15 Okkie Van Sensie, South Africa ~72: Gillian Daniels~ 33:ZA ~31:N/A ~32:18/05/2025

2025/04273 ~ Provisional ~54:R.A.M ROLLER ~71:ADRIAAN MEYER, F1 ALLAN PARK RETIREMENT VILLAGE 23 CACTUS STR ALLAN GROVE, South Africa ~72: ADRIAAN MEYER~

. - APPLIED ON 2025/05/20 -

2025/04276 ~ Provisional ~54:A MINE PROP WITH AN INDICATOR ~71:M PROPS (PROPRIETARY) LIMITED, 5 Fourways Manor, 2 Lear Place, Fourways, JOHANNESBURG 2191, Gauteng Province, SOUTH AFRICA, South Africa ~72: GRANT, Johannes Marthinus;STRONG, Michael Charles~

2025/04291 ~ Complete ~54:METHODS AND SYSTEMS FOR FREE-FLOATING NAUTICAL STATIONKEEPING ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRADLEY BEEKSMA;GRZEGORZ FILIP~ 33:US ~31:63/425,027 ~32:14/11/2022;33:US ~31:18/388,746 ~32:10/11/2023

2025/04283 ~ Complete ~54:A LASER-BASED METHOD AND DEVICE FOR DETECTING THE ELLIPTICITY OF SHIELD TUNNEL ~71:CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO., LTD., No. 32, Zhonghuan West Road, Airport Economic Zone, People's Republic of China;THE 2ND

ENGINEERING CO., LTD. OF CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP, No. 70 Donghai Road, Yantian District, Shenzhen City, People's Republic of China ~72: AN Weihui;DING Zhiheng;FANG Weitai;JIN Jianmin;LI Junlin;WU Yafei;XIAO Feizhi;ZHANG Shenglong;ZHOU Guannan~ 33:CN ~31:202411871641.4 ~32:18/12/2024

2025/04287 ~ Complete ~54:SCHMIDT TELESCOPE WITH IMPROVED PERFORMANCE, ASSOCIATED DETECTING DEVICES AND METHOD ~71:Safran Reosc, Avenue de la Tour Maury, SAINT-PIERRE-DU-PERRAY 91280, FRANCE, France ~72: GEYL, Roland~ 33:FR ~31:2211130 ~32:26/10/2022

2025/04290 ~ Complete ~54:METHOD FOR TRAINING A MACHINE LEARNING MODEL ~71:SENSONIC GMBH, Bahnhofstrasse 57a, Austria ~72: DEETLEFS, Richard Michael~ 33:EP ~31:22215585.5 ~32:21/12/2022

2025/04293 ~ Complete ~54:METHOD AND APPARATUS FOR COMMUNICATION NODE USED FOR WIRELESS COMMUNICATION ~71:APOGEE NETWORKS, LLC, 1999 Bryan Street, Suite 900, Dallas, Texas, 75201, United States of America ~72: QIAOLING YU;XIAOBO ZHANG~ 33:CN ~31:202211286930.9 ~32:20/10/2022

2025/04297 ~ Complete ~54:ANTIGEN-BINDING MOLECULES THAT BIND TO AAV PARTICLES AND USES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591-6707, United States of America ~72: ANDREW J MURPHY;CHRISTOS KYRATSOUS;SVEN MOLLER-TANK;TRI NGUYEN;YANG SHEN~ 33:US ~31:63/387,876 ~32:16/12/2022;33:US ~31:63/494,203 ~32:04/04/2023;33:US ~31:63/520,508 ~32:18/08/2023;33:US ~31:63/578,925 ~32:25/08/2023

2025/04280 ~ Complete ~54:A CUTTER ASSEMBLY FOR A MINERAL PROCESSING SEPARATOR ~71:PAULCO (PROPRIETARY) LIMITED, Portion 50, Farm Kromrivier JQ347, RUSTENBURG 0300, North West Province, SOUTH AFRICA, South Africa ~72: KRUGER, Paul~ 33:ZA ~31:2024/05031 ~32:27/06/2024

2025/04286 ~ 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: Alix ASSELIN;Bruno MICHEL;Elvan EKIZ;Emmanuel JOUBERT;Lisa LASTRA;Lode VANDENBOSSCHE;Martin LIEBEHERR;Wahib SAIKALY;Xavier BANO~

2025/04295 ~ Complete ~54:PROCESS FOR THE SYNTHESIS OF SUBSTITUTED TETRAHYDROFURAN MODULATORS OF SODIUM CHANNELS ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: ALES MEDEK;ANDREW MCTIERNAN;BERENICE L LEWANDOWSKI;BRUNO ARTUR SOUSA;CHRISTOPHER JOHN DAVIS;CRISTIAN HARRISON;DAVID E STEPHENS;ENRICO EMER;KEVIN J GAGNON;MANINDER PANESAR;MICHAEL EDWARD O'DONNELL;MIREIA SIDERA PORTELA;PALOMA GALLO BENITO;SHUJAUDDIN M CHANGI;SIMON ADAM O'NEIL;SIMON ROBERT EVERITT;STEPHEN EDWARD SHANAHAN;THARANGA K WIJETHUNGA~ 33:US ~31:63/430,568 ~32:06/12/2022

2025/04281 ~ Complete ~54:RESIDENTIAL ENERGY-SAVING SYSTEM WITH RAINWATER HARVESTING AND UTILIZATION FOR RURAL AREAS, AND CONTROL METHOD THEREOF ~71:TIANJIN COLLEGE, UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING, No. 1, Zhujiang North Ring East Road, Jingjin New Town, Baodi District, People's Republic of China ~72: GU, Xiaoshu;GUO, Jia;LI, Min;SHAO, Li;SHI, Xiaojuan;SUN, Jiaqiu;XU, Zhaohe~

2025/04285 ~ Complete ~54:EXPLOSIVE ADDITIVE ~71:PROACTIVE GROUND SOLUTIONS PTY LTD, 37 Competition Way, Australia ~72: MARTIN, Drew Anthony~ 33:AU ~31:2022903399 ~32:11/11/2022

2025/04289 ~ Complete ~54:ANTI-CD137 ANTIBODIES AND METHODS OF USE ~71:BeiGene Switzerland GmbH, Aeschengraben 27, BASEL 4051, SWITZERLAND, Switzerland ~72: JI, Ruyue;LI, Jie;LI, Zhuo;QU, Liang;SUN, Jian;XUE, Liu;YUAN, Xi~ 33:IB ~31:2022/133147 ~32:21/11/2022;33:IB ~31:2022/133148 ~32:21/11/2022;33:IB ~31:2023/126252 ~32:24/10/2023

2025/04278 ~ Complete ~54:A SUPPORT ASSEMBLY ~71:NELL, Johannes, 471 QUEENS CRESCENT, LYNNWOOD, PRETORIA, 0081, South Africa ~72: NELL, Johannes~ 33:ZA ~31:2024/01487 ~32:20/02/2024

2025/04292 ~ Complete ~54:METHOD AND APPARATUS USED IN WIRELESS COMMUNICATION ~71:APOGEE NETWORKS, LLC, 1999 Bryan Street, Suite 900, Dallas, Texas, 75201, United States of America ~72: JINFANG ZHANG;XIAOBO ZHANG~ 33:CN ~31:202211286972.2 ~32:20/10/2022

2025/04284 ~ Complete ~54:AMPHIBIOUS VEHICLE OR TERRAIN-COMPATIBLE BOAT STABLE IN WAVES, SELF-CHARGING AND WITH REDUCED DRAG ~71:STARTCHIK, Sergei, rue des Paquis 36, Switzerland ~72: STARTCHICK, Sergei~

2025/04299 ~ Provisional ~54:ROTATING COUNTERTOP BAG STAND WITH INTEGRATED ADVERTISING DISPLAY ~71:Morne Brand, 12 Protea Villas, South Africa;Morne Brand, 12 Protea Villas, South Africa ~72: Morne Brand~

2025/04279 ~ Complete ~54:SALINE WATER ION SELECTIVE DESALINATION DEVICE ~71:Tianjin Academy of Agricultural Sciences, No. 268 Baidi Road, Nankai District, Tianjin, 300192, People's Republic of China;Tianjin Yapai Lvfei Biotechnology Development Co., Ltd., 1000 meters east of Hulianzhuang Village, Daqiuzhuang Town, Jinghai District, Tianjin, 301606, People's Republic of China ~72: Di WU;Hui XIAO;Xianbiao GAO;Yan SHI;Yuchen DONG~

2025/04298 ~ Provisional ~54:SCAN TO TIP ~71:DEVMATRX (PTY) LTD, 228 SPRINGBOK STREET, WIERDA PARK,, South Africa ~72: MICHAEL SOLOMON DAVID~

2025/04277 ~ Provisional ~54:SOLID-STATE GRAPHITE THERMAL STORAGE KETTLE ~71:Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Hempel~

2025/04296 ~ Complete ~54:SEVUPARIN FOR THE TREATMENT OF CHRONIC KIDNEY DISEASE ~71:MODUS THERAPEUTICS AB, Olof Palmes gata 29 IV 11122, Stockholm, Sweden ~72: JOHN ÖHD;MAURA POLI~ 33:GB ~31:2219368.4 ~32:21/12/2022

2025/04282 ~ Complete ~54:TEMPORARY REINFORCEMENT DEVICE FOR BRICK MASONRY COLUMN OF HISTORICAL BUILDING ~71:CHINA CONSTRUCTION THIRD ENGINEERING BUREAU (SHENZHEN) CO.,LTD, 5301 Tower A, Hongrongyuan North Station Center, North Station Community, Minzhi Street, Longhua District, People's Republic of China ~72: CHEN, Deyang;DENG, Yuangang;HE, Lingbo;LI, Jiwei;MEI, Haohua;WANG, Zhe;XIONG Haowen;ZHAN, Yi~ 33:CN ~31:202421661759X ~32:15/07/2024

2025/04288 ~ Complete ~54:ANTIBODIES THAT BIND TO C1S AND USES THEREOF ~71:Dianthus Therapeutics Opco, Inc., 7 Times Square, FL 43, Suite 4303, NEW YORK 10036, NY, USA, United States of America ~72: BEDIAN, Vahe;OMER, Charles A.~ 33:US ~31:63/384,537 ~32:21/11/2022;33:US ~31:63/485,765 ~32:17/02/2023;33:US ~31:63/501,807 ~32:12/05/2023;33:US ~31:63/590,980 ~32:17/10/2023

2025/04294 ~ Complete ~54:HEAT EXCHANGER ~71:BAE SYSTEMS PLC, 6 Carlton Gardens, London, SW1Y 5AD, United Kingdom ~72: JEREMY HENRY OWSTON~ 33:GB ~31:2217998.0 ~32:30/11/2022

2025/04307 ~ Provisional ~54:BUOY AND BUOY ASSEMBLY ~71:COCHRANE USA INC, 3551 Lee Hill Dr, Fredericksburg, United States of America ~72: COCHRANE, Alexander Richard~

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2025/04328 ~ Complete ~54:PATH SWITCH BETWEEN RELAYS AND SECURITY PROCEDURES ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: MAVUREDDI DHANASEKARAN, Ranganathan;P NAIR, Suresh;PING, Jing~

2025/04332 ~ Complete ~54:HIGH EFFICIENCY WASHING OF PLASTIC BOTTLES USING ULTRASONIC ENERGY ~71:The Coca-Cola Company, One Coca-Cola Plaza, NW, ATLANTA 30313, GA, USA, United States of America ~72: GOVINDARAJAN, Venkat;YALCIN, Baris~ 33:US ~31:63/387,995 ~32:19/12/2022

2025/04330 ~ Complete ~54:METHODS OF TREATMENT WITH TRADIPITANT ~71:VANDA PHARMACEUTICALS INC., 2200 Pennsylvania Ave. NW, Suite 300E, United States of America ~72: BIRZNIEKS, Gunther;POLYMEROPOULOS, Mihael;POLYMEROPOULOS, Vasilios;SMIESZEK, Sandra~ 33:US ~31:63/476,502 ~32:21/12/2022;33:US ~31:63/476,561 ~32:21/12/2022

2025/04336 ~ Complete ~54:A PROCESS FOR MAKING A MAGNESIUM LINEAR ALKYL BENZENE SULPHONATE ANIONIC DETERSIVE SURFACTANT FLAKE ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: BESIRIK, Olgun;STAMPER, Jason Allen;TANTAWY, Hossam Hassan~ 33:US ~31:63/430,378 ~32:06/12/2022

2025/04300 ~ Provisional ~54:SUBLIMINAL SOLDIER SYSTEM ~71:James Andrew Thomson, c/o 15 Stewart Drive, Baysville, South Africa ~72: James Andrew Thomson~

2025/04327 ~ Complete ~54:POSITIONING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: CHA, Hyun-Su;KEATING, Ryan;TAO, Tao~

2025/04315 ~ Complete ~54:METHOD FOR DETECTING NITRATE NITROGEN IN SOIL ~71:EXPERIMENTAL CENTER OF TROPICAL FORESTRY CHINESE ACADEMY OF FORESTRY, 201 Keyuan Road, Pingxiang City, Guangxi Zhuang Autonomous Region, 532600, People's Republic of China ~72: LI Chaoying;LI Hua;LI Zhongguo;ZHENG Lu~

2025/04310 ~ Complete ~54:A MICROBIAL AGENT FOR TREATING HEAVY METALS IN SOIL AND ITS APPLICATIONS ~71:BGRIMM Technology Group, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Beijing, People's Republic of China;Solid Waste and Chemicals Management Center, MEE, No.1 Yuhuinanlu, Chaoyang District, Beijing, People's Republic of China ~72: Gong Xuegang;Huang Jiaxin;Li Hao;Lin Xingjie;Miao Yu;Pan Hanlin;Sun Wei;Wang Fang;Wang Jia;Wang Qiong;Wang Yujing;Wu Liangliang;Wu Xinyu;Yang Xiaosong;Yang Yueqing;Zhang Hua~ 33:CN ~31:2025103878567 ~32:31/03/2025

2025/04316 ~ Complete ~54:A COMPOSITE MICROBIAL FERTILIZER AND ITS PREPARATION METHOD AND APPLICATION ~71:Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji’an City, Jiangxi Province, 343009, People's Republic of China;Soil and Fertilizer & Resource and Environment Research Institute, Jiangxi Academy of Agricultural Sciences, No. 1738 Liantang North Avenue, Liantang Town, Nanchang City, Jiangxi Province, 330200, People's Republic of China ~72: HE Yuan;HONG Zhuping;LIU Renlu;QIU Caifei;ZHU Tianfeng;ZOU Shengda~

2025/04322 ~ Complete ~54:SIGNALLING OF AN IDENTIFIER TO INDICATE AT LEAST 5 UPLINK DMRS PORTS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden

~72: GAO, Shiwei;JACOBSSON, Sven;NILSSON, Andreas;ZHANG, Jianwei~ 33:US ~31:63/422,592 ~32:04/11/2022

2025/04337 ~ Complete ~54:A PROCESS FOR MAKING A MAGNESIUM LINEAR ALKYL BENZENE SULPHONATE ANIONIC DETERSIVE SURFACTANT FLAKE ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: BESIRIK, Olgun;STAMPER, Jason Allen;TANTAWY, Hossam Hassan~ 33:US ~31:63/430,378 ~32:06/12/2022

2025/04302 ~ Provisional ~54:AN ANCHORING ARRANGEMENT ~71:BOTHA, Raymond, Mark, 8 PANORAMA HOF, CONVENT STREET, GREENHILLS, RANDFONTEIN, 1759, SOUTH AFRICA, South Africa ~72: BOTHA, Raymond, Mark;MARSHALL, Elton;MARSHALL, Garth~

2025/04303 ~ Provisional ~54:ROCK BOLT WITH UNIDIRECTIONAL MECHANISM ~71:BOTHA, Raymond, Mark, 8 PANORAMA HOF, CONVENT STREET, GREENHILLS, RANDFONTEIN, 1759, SOUTH AFRICA, South Africa ~72: BOTHA, Raymond, Mark;MARSHALL, Elton;MARSHALL, Garth~

2025/04304 ~ Provisional ~54:CAPACITIVE SENSING KEYBOARD SWITCHES AND JOYSTICKS ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;DE JONGH, Chris Hendrik;LOCHNER, Jacobus Nicolaas;RADEMEYER, Daniël Barend;VILJOEN, Jean~

2025/04306 ~ Provisional ~54:SYSTEM AND METHOD FOR CONTEXTUAL AI-DRIVEN EMOTIONAL ASSISTANT EMBEDDED IN A MOBILE DEVICE ~71:LumoLife SA Proprietary Limited, 209 Anderson Avenue, South Africa ~72: Lloyd Christopher Smith~ 33:ZA ~31:0000 ~32:20/05/2025

2025/04320 ~ Complete ~54:NOVEL DIOXANE DERIVATIVES ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: DAHMANN, Georg;DU HOFFMANN, Johann Faustus;GERLACH, Kai;GIOVANNINI, Riccardo;HOHN, Christoph;JUST, Stefan;LEHMANN, Thorsten;PEKCEC, Anton;PFAU, Roland;SCHLICHTIGER, Julia;SOMMER, Heiko;SPECKER, Christian~ 33:EP ~31:22204281.4 ~32:28/10/2022

2025/04323 ~ Complete ~54:EXCISION OF RECOMBINANT DNA FROM THE GENOME OF PLANT CELLS ~71:BASF AGRICULTURAL SOLUTIONS US LLC, 2 T.W. ALEXANDER DRIVE, 27713 RESEARCH TRIANGLE PARK, NORTH CAROLINA, USA, United States of America ~72: D'HALLUIN, Katelijn;KONG, Jixiang~ 33:EP ~31:22203914.1 ~32:26/10/2022

2025/04326 ~ Complete ~54:PARAMETRIC SPATIAL AUDIO ENCODING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LAITINEN, Mikko-Ville;VASILACHE, Adriana~ 33:GB ~31:2217928.7 ~32:29/11/2022

2025/04335 ~ Complete ~54:LENTIVIRAL PARTICLES DISPLAYING FUSION MOLECULES AND USES THEREOF ~71:Umoja BioPharma, Inc., 1150 Eastlake Avenue E., Suite 400, SEATTLE 98109, WA, USA, United States of America ~72: LARSON, Ryan;LEUNG, Wai-Hang;MITTELSTEADT, Kristen;NICOLAI, Christopher;PARK, Lisa Yun;QIN, Jim;RYU, Byoung;TANG, Weiliang~ 33:US ~31:63/422,678 ~32:04/11/2022;33:US ~31:63/422,920 ~32:04/11/2022;33:US ~31:63/487,784 ~32:01/03/2023;33:US ~31:63/466,471 ~32:15/05/2023;33:US ~31:63/579,188 ~32:28/08/2023

2025/04418 ~ Provisional ~54:STARCH EXTRACTION AND BIODEGRADABLE PACKAGING FILM DERIVED FROM CASSAVA STEMS ~71:Linda Koko Basinyize, 4504 Avenue du Dépôt, Gombe, Democratic Republic of the Congo ~72: Linda Koko Basinyize~

2025/04309 ~ Complete ~54:GREEN AND ENVIRONMENTALLY FRIENDLY PHOTOVOLTAIC BUILDING ~71:Anhui Water Conservancy Technical College, No. 18 Dongmenhe Road, Hefei City, Anhui Province, 231603, People's Republic of China ~72: CAO Kangle;DING Lulu;FANG Huanhuan;SHI Guangnan;YANG Hao;ZHENG Wei;ZHU Baosheng;ZHU Bingqing~

2025/04324 ~ Complete ~54:DEVICES, METHODS AND APPARATUSES OF COHERENT JOINT TRANSMISSION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HAKOLA, Sami-Jukka;KARJALAINEN, Juha, Pekka;KOSKELA, Timo;TOSATO, Filippo~ 33:GB ~31:2216440.4 ~32:04/11/2022

2025/04341 ~ Complete ~54:ABSORBENT INCONTINENCE ARTICLE IN THE FORM OF BRIEFS ~71:PAUL HARTMANN AG, Paul-Hartmann-Str. 12, Germany ~72: BUCH, Tamara;CIFRIC, Nedzad;EILERS, Jörg;KAUTZSCH, Florian~ 33:DE ~31:10 2022 134 647.1 ~32:22/12/2022

2025/04345 ~ Complete ~54:PURIFIED BIOMASS BASED COMPOSITIONS COMPRISING ETHYLENE GLYCOL AND USE THEREOF TO PRODUCE A POLYESTER ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: CHRISTIAN MÅRUP OSMUNDSEN;ESBEN TAARNING;LARS SAABY PEDERSEN;MATTHIAS JOSEF BEIER~ 33:EP ~31:22216011.1 ~32:22/12/2022

2025/04313 ~ Complete ~54:DRILLING MACHINE ~71:PETRUS HENDRIK ROODT, Plot 67, Michael Road, Oaktree, Krugersdorp, Gauteng, 1739, South Africa;ROBERT CHARLES GRADIDGE, 12 Kleim Street, Carletonville, 2499, South Africa ~72: PETRUS HENDRIK ROODT~ 33:ZA ~31:2024/03911 ~32:21/05/2024

2025/04334 ~ Complete ~54:APPARATUS FOR RECOVERY OF BASE METALS FROM GRID METALLICS ~71:VerdeEn Chemicals Inc., 500 108th Ave. NE, Suite 1100, BELLEVUE 98004, WA, USA, United States of America ~72: CHADHA, Nishchay;NAIK, Amol;TYAGI, Vipin~ 33:US ~31:17/975,412 ~32:27/10/2022

2025/04343 ~ Complete ~54:PACKING STATION FOR FRUIT AND VEGETABLE PRODUCTS ~71:UNITEC S.P.A., Via Provinciale Cotignola, 20/9, 48022, Lugo, Italy ~72: LUCA BENEDETTI~ 33:IT ~31:102022000024066 ~32:23/11/2022

2025/04339 ~ Complete ~54:IMAGE COLLECTION APPARATUS, CONTROL METHOD FOR IMAGE COLLECTION APPARATUS, AND VEHICLE ~71:Chery Automobile Co., Ltd., No. 8, Changchun Road, Economy & Technology Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China;Wuhu Automobile Advanced Technology Institute, No. 21 Fengminghu Road, Wuhu Economic and Technological Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: CHANG, Linlin;HE, Keqin;HUANG, Yong;REN, Heng~ 33:CN ~31:202310469916.0 ~32:27/04/2023

2025/04308 ~ Complete ~54:EXPLORATION METHOD FOR STRATIFORM CHROMITE IN PLATEAU SECTION ~71:China University of Geosciences (Wuhan), 388 Lumo Road, Hongshan District, Wuhan City, Hubei Province, 430000, People's Republic of China;The First Geological Exploration Institute of Qinghai Province, No. 232 Ping'an Avenue, Ping'an District, Haidong City, Qinghai Province, 810600, People's Republic of China ~72: CHEN, Sulong;JIANG, Shaoyong;LI, Peigeng;LI, Peng;LI, Shaonan;LI, Yulian;LI, Yulu;LIU, Xiufeng;QI, Dong;REN, Wenqi;WANG, Bin;WANG, Lei;WANG, Wei;XIE, Hailin;XU, Hanbin;YUAN, Feng~

2025/04314 ~ Complete ~54:RECESSED HOOK ASSEMBLY ~71:MINI FAMILY TRUST IT 57/2007, 34 Sea Hare Circle, Atlantic Beach Estate, South Africa ~72: HAGAN, Michael Leonard~

2025/04321 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AS STING ANTAGONISTS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BRAMBILLA, Marta;DAHMANN,

Georg;GROSS, Patrick;HANDSCHUH, Sandra Ruth;HOFFMANN, Matthias;LI, Jun;MAYER, Camilla;NAR, Herbert;OOST, Thorsten~ 33:US ~31:63/381,349 ~32:28/10/2022;33:EP ~31:22210157.8 ~32:29/11/2022

2025/04325 ~ Complete ~54:METHODS AND DEVICES FOR DISCONTINUOUS TRANSMISSION OR DISCONTINUOUS RECEPTION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KOSKELA, Jarkko, Tuomo;TURTINEN, Samuli, Heikki;WU, Chunli~

2025/04347 ~ Complete ~54:HYDRAULIC DRILLING MACHINE ~71:SULZER (SOUTH AFRICA) HOLDINGS (PTY) LTD, 9 GERHARDUS ROAD, ELANDSFONTEIN, GERMISTON, South Africa ~72: ACKERMANN, Marius Imaniel~ 33:ZA ~31:2022/12779 ~32:24/11/2022

2025/04319 ~ Complete ~54:HETEROCYCLIC COMPOUNDS CAPABLE OF ACTIVATING STING ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: CAROTTA, Sebastian;DAHMANN, Georg;GODBOUT, Cédrickx;GRAHAM, Keith Andrew Newton;HANDSCHUH, Sandra Ruth;NAR, Herbert;OOST, Thorsten;REISER, Ulrich;SCHMIDT, Esther;TREU, Matthias~ 33:EP ~31:22203741.8 ~32:26/10/2022

2025/04329 ~ Complete ~54:METHOD, APPARATUS AND COMPUTER PROGRAM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AMIRI, Abolfazl;LI, Zexian;MOREJÓN GARCÍA, Carlos Santiago;PEDERSEN, Klaus, Ingemann;YANAKIEV, Boyan~

2025/04338 ~ Complete ~54:END FLAP ENGAGEMENT ASSEMBLY FOR ERECTING CARTONS AND RELATED SYSTEMS AND METHODS ~71:Graphic Packaging International, LLC, Law Department - 9th Floor, 1500 Riveredge Parkway, Suite 100, ATLANTA 30328, GA, USA, United States of America ~72: EVANS, Nicholas;LUCY, Kyle~ 33:US ~31:63/431,469 ~32:09/12/2022

2025/04346 ~ Complete ~54:FERMENTED MATERIAL COMPRISING STALK PARTICLES OF MONOCOTYLEDONOUS FLOWERING PLANTS, AND ITS PRODUCTION METHOD ~71:CORMO AG, Route de la Petite-Glâne 26, 1566, St-Aubin, Switzerland ~72: JONAS LECHOT;MATTHIAS THALER;STEFAN GRASS~

2025/04333 ~ Complete ~54:POLYPEPTIDE HAVING LYSOZYME ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME ~71:Novozymes A/S, Krogshoejvej 36, BAGSVAERD 2880, DENMARK, Denmark ~72: LENHARD, Rolf Thomas;SKOV, Lars Kobberoee;STISSING, Anne Veller Friis~ 33:EP ~31:22212309.3 ~32:08/12/2022

2025/04331 ~ Complete ~54:GLASSMAKING FURNACE REINFORCEMENT ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12, Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: BERNIER, Didier;CHRETIEN, Emmanuel;DELAHALLE, Gérard;SOISSON, Didier~ 33:FR ~31:2304023 ~32:21/04/2023

2025/04340 ~ Complete ~54:ROAD SURFACE INFORMATION RECOGNITION METHOD AND APPARATUS FOR AUTOMOBILE, AND VEHICLE AND STORAGE MEDIUM ~71:Chery Automobile Co., Ltd., No. 8, Changchun Road, Economy & Technology Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: QI, Linxing;SUN, Lifei;WU, Yifeng~ 33:CN ~31:202310573560.5 ~32:17/05/2023

2025/04344 ~ Complete ~54:METHOD OF PRODUCING A POLYESTER ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: CHRISTIAN MÅRUP OSMUNDSEN;ESBEN TAARNING;LARS SAABY PEDERSEN;MATTHIAS JOSEF BEIER~ 33:EP ~31:22216013.7 ~32:22/12/2022

2025/04311 ~ Complete ~54:INTELLIGENT PROTECTIVE CLOTHING UNDRESSING ROOM ~71:Maternal and Child Health Hospital of Guangxi Zhuang Autonomous Region, No. 59, Xiangzhu Road, Xingning Dist., Nanning, Guangxi, People's Republic of China ~72: Ming Huang;Ying Chen~

2025/04318 ~ Complete ~54:PRIMER SET, DETECTION KIT, AND IDENTIFICATION METHOD FOR DETERMINING SPECIES ORIGIN OF DOE-PRODUCT ~71:CHINA JILIANG UNIVERSITY, 258 Xueyuan Street, Qiantang District, Hangzhou City, People's Republic of China;TAIZHOU INSTITUTE FOR FOOD AND DRUG CONTROL, Taizhou Institute for Food and Drug Control, 14th Floor, Taizhou Public Health Center, No. 4123, Zhongxin Avenue, Jiaojiang District, Taizhou City, People's Republic of China ~72: GUAN, Feng;HONG, Liang;PAN, Yingqiu;XIA, Huili;YANG, Siyu~

2025/04342 ~ Complete ~54:PHARMACEUTICALLY ACCEPTABLE SALT OF NITROGEN-CONTAINING HETEROCYCLIC COMPOUND, CRYSTAL FORM THEREOF, AND PREPARATION METHOD THEREFOR ~71:JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., No. 7 Kunlunshan Road, Economic and Technological Development Zone, People's Republic of China;SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., No. 279 Wenjing Road, Minhang District, People's Republic of China ~72: DU, Zhenxing;SHANG, Tingting;SHAO, Cheng;YANG, Junran;YOU, Lingfeng~ 33:CN ~31:202211471375.7 ~32:23/11/2022

2025/04301 ~ Provisional ~54:ULTRASENSITIVE ELECTROCHEMICAL BIOSENSOR FOR GIBBERELLIC ACID DETECTION ~71:LifeSADX Holdings Ltd, Level 2, Tribeca Central, Mauritius ~72: Zvikomborero Takunda Gwanzura~

2025/04305 ~ Provisional ~54:THERMAL REGENERATIVE HYDRAULIC POWER CYCLE ~71:CIRRUS REHOS RENEWABLE POWER AND WATER (PTY) LTD, Suite 103, Wrenrose Court, 64 St Andrew Street, Birdhaven, South Africa ~72: ENSLIN, Johan Adam;KHAWULA, Tobile Nokuphiwa Yollanda~

2025/04312 ~ Complete ~54:FOOTWEAR ~71:ROELOF JOHANNES VAN HEERDEN, 156 Springbok Street, Wierdapark, Centurion, Gauteng, 0157, South Africa ~72: ROELOF JOHANNES VAN HEERDEN~

2025/04317 ~ Complete ~54:COMPOSITE PEPTIDE SOLID BEVERAGE AND PREPARATION METHOD THEREFORE ~71:CHEN, Shiliang, No. 25, Lane 51, Lijin Road, Pudong New Area, People's Republic of China;DANDONG SWEET AND BEAUTIFUL BREEDING TECHNOLOGY CO. , LTD, Group 2, Linjiatai Village, Tongyuanbao Town, Fengcheng City, Dandong, People's Republic of China;LIAONING LIAOFENG BIOTECHNOLOGY CO. , LTD, Group 2, Linjiatai Village, Tongyuanbao Town, Fengcheng City, Dandong, People's Republic of China ~72: CHEN Shiliang;HUANG, Yunpeng;SU, Wanting;WANG Linhao;ZHANG Honghai~

2025/04348 ~ Provisional ~54:BATTERY ~71:Hermanus Christoffel Petrus Human, 10a Clifford Road Chancliff, South Africa ~72: Hermanus Christoffel Petrus Human;Jan Petrus Human~

. - APPLIED ON 2025/05/22 -

2025/04359 ~ Complete ~54:METHOD FOR SOIL ACID MODIFICATION, CARBON SEQUESTRATION AND FERTILIZATION OF SOUTHERN PADDY FIELDS ~71:JIANGXI AGRICULTURAL UNIVERSITY, NANCHANG ECONOMIC DEVELOPMENT ZONE, People's Republic of China ~72: CAI, Zejiang;CHENG, Yongbao;DING, Yiqian;HE, Xiaolin;HONG, Sanqing;HUANG, Ruonan;LI, Moqi;LIANG, Feng;LIAO, Jianwu;QIN, Zhangjie;SHEN, Guoan~

2025/04365 ~ Complete ~54:GLYCOENGINEERED FC VARIANT POLYPEPTIDES WITH ENHANCED EFFECTOR FUNCTION ~71:ABLYNX N.V., Technologiepark 21, Belgium ~72: JAWORSKI, Julie A.;KATHURIA, Sagar V.;PARK, Sunghae;ZHOU, Qun~ 33:US ~31:63/419,188 ~32:25/10/2022

2025/04360 ~ Complete ~54:FLEXIBLE VENTILATION SEAL AND METHOD OF MANUFACTURING SAME ~71:BOUWER, Barend Jacobus Petrus, Sandalwood Park 35, 549 Farm Road, Die Wilgers, South Africa;STOKES, Paul, Stand 517, Midstream Estate, South Africa ~72: STOKES, Paul~ 33:ZA ~31:2024/04636 ~32:14/06/2024

2025/04375 ~ Complete ~54:SULFOXIMINES AS INHIBITORS OF NAV1.8 ~71:Grünenthal GmbH, Zieglerstraße 6, AACHEN 52078, GERMANY, Germany ~72: DIALER, Clemens;KRÜGER, Sebastian;MARIGO, Mauro;MÜLBAIER, Marcel;PATEL, Vipulkumar~ 33:EP ~31:22213333.2 ~32:14/12/2022;33:EP ~31:23190960.7 ~32:10/08/2023

2025/04378 ~ Complete ~54:SAFE COCKING HANDLE ~71:FN Herstal S.A., Voie de Liège 33, HERSTAL 4040, BELGIUM, Belgium ~72: BERENGUIER, David;FRANSSEN, Pascal;LOOSVELDT, Sylvie~ 33:EP ~31:22210103.2 ~32:29/11/2022

2025/04380 ~ Complete ~54:VEHICLE CONTROL METHOD AND APPARATUS, VEHICLE, AND STORAGE MEDIUM ~71:Chery Automobile Co., Ltd., No. 8, Changchun Road, Economy & Technology Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: FENG, Liwei;HAO, Wei;LI, Shan;MENG, Rui~ 33:CN ~31:202310436558.3 ~32:19/04/2023

2025/04353 ~ Provisional ~54:PSILOCYBIN ENCAPSULATION AND STABILIZATION USING MYCELIUM BETA-GLUCAN DERIVATIVES ~71:Sawubona Mycelium, 1/152 London Lane, South Africa ~72: Neo Semousu Moloi~

2025/04356 ~ Complete ~54:A BUILDING ENVIRONMENT AND ENERGY COUPLING INTELLIGENT CONTROL SYSTEM AND METHOD BASED ON DIGITAL TWIN ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Lili Gao~

2025/04357 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR RELIEVING ARTHRALGIA CAUSED BY BRUCELLA AND PREPARATION METHOD OF TRADITIONAL CHINESE MEDICINE COMPOSITION ~71:Inner Mongolia Minzu University, No. 536 West Huolinhe Street, Keerqin District, Tongliao City, Inner Mongolia Autonomous Region, People's Republic of China ~72: BAI li;LIU Mingyuan;WANG Hui;WANG Xingya;WU Yangtao;ZHAI Jingbo~ 33:CN ~31:2024107412877 ~32:07/06/2024

2025/04350 ~ Provisional ~54:A SUPPORT DEVICE ~71:Lionalign (Pty) Ltd, 71 Rochdale Road, Springfield Park, Durban 4051, SOUTH AFRICA, South Africa ~72: SINGH, Lyle Bivash~

2025/04361 ~ Complete ~54:SOFT TISSUE RETENTION DEVICE, INSTRUMENTATION AND RELATED METHODS ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: ALLARD, Randy;BLACKLIDGE, Douglas K.;MILLER, Shane~ 33:US ~31:62/666,918 ~32:04/05/2018;33:US ~31:62/794,565 ~32:19/01/2019

2025/04364 ~ Complete ~54:DISPENSER HEATING FOR COLD TEMPERATURES ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BENGTSON, Travis S.;CASTONGUAY, Martin;LACAS, Yannick;PAXSON, Andrew W.;VITALE, John~ 33:US ~31:63/657,560 ~32:07/06/2024;33:US ~31:19/208,145 ~32:14/05/2025

2025/04369 ~ Complete ~54:SMART ELBOW PROTECTOR AND USING METHOD THEREOF ~71:ANHUI POLYTECHNIC UNIVERSITY, Beijing Middle Road, Jiujiang District, Wuhu City, People's Republic of China ~72: LU Chuanmei;WANG Zhujun;XING Yingmei~

2025/04377 ~ Complete ~54:INGREDIENT FOR IMPROVING SHELF LIFE ~71:Fermentationexperts A/S, Vorbassevej 12, BÆKKE 6622, DENMARK, Denmark ~72: LEGARTH, Jens Høffner~ 33:DK ~31:PA202201077 ~32:26/11/2022

2025/04382 ~ Complete ~54:NOVEL INSECT INHIBITORY PROTEINS ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: HALL, Erin L.;HOWE, Arlene R.;O'BRIEN, Brent A.;ROBERTS, James K.;STUBBINS, Francesca L.;WALDHEUSER, Stephanie C.~ 33:US ~31:63/386,432 ~32:07/12/2022

2025/04371 ~ Complete ~54:METHOD FOR PREDICTING RESPONSE TO A CANCER TREATMENT ~71:FUNDACIÓ PRIVADA INSTITUT D'INVESTIGACIÓ ONCOLÒGICA DE VALL HEBRON, Natzaret, 115-117, E-08035, Barcelona, Spain;INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS, Passeig Lluís Companys, 23, E-08010, Barcelona, Spain;PEPTOMYC, S.L., Centre Cellex Natzaret, 115-117 E-08035 Barcelona, Spain ~72: LAURA SOUCEK;MARIE-EVE BEAULIEU;SÍLVIA CASACUBERTA SERRA~ 33:EP ~31:22383031.6 ~32:25/10/2022

2025/04372 ~ Complete ~54:COMBINATION THERAPY FOR THE TREATMENT OF CANCER ~71:FUNDACIÓ PRIVADA INSTITUT D'INVESTIGACIÓ ONCOLÒGICA DE VALL HEBRON, Natzaret, 115-117, E-08035, Barcelona, Spain;INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS, Passeig Lluís Companys, 23, E-08010, Barcelona, Spain;PEPTOMYC, S.L., Centre Cellex Natzaret, 115-117 E-08035 Barcelona, Spain ~72: DANIEL MASSÓ-VALLÉS;FABIO GIUNTINI;LAURA SOUCEK~ 33:EP ~31:22383028.2 ~32:25/10/2022

2025/04383 ~ Complete ~54:ADIPOCYTE MATURATION ~71:Meatable B.V., Emmy Noetherweg 2, LEIDEN 2333 BK, THE NETHERLANDS, Netherlands ~72: OUT, Ruud;PALACIOS ORTEGA, Sara;QUINNEY, Kyle Bill~ 33:EP ~31:22203081.9 ~32:21/10/2022

2025/04352 ~ Provisional ~54:AI-DRIVEN MULTI-TECHNOLOGY POINT OF SALE SYSTEM AND METHOD ~71:SHONGA TECHNOLOGIES (PTY) LTD, RAY NKONYENI PORT SHEPSTONE GAMALAKHE-A, South Africa ~72: SHONGA, MPENDULO NELSON~

2025/04363 ~ Complete ~54:ANIMAL FEED COMPOSITION ~71:VONNIE PROJECTS (PTY) LTD., Erf 55D Bloempoort, Along R25 Road, Groblersdal, 0470, South Africa ~72: VONNIE BALOYI~ 33:ZA ~31:2024/04003 ~32:22/05/2024

2025/04366 ~ Complete ~54:CELL-FREE PROTEIN SYNTHESIS SYSTEMS, REACTION MIXTURES FOR SAME, AND METHODS FOR PREPARING PROTEINS ~71:SANOFI PASTEUR LIMITED, 1755 Steeles Avenue, West Toronto, Canada ~72: KRITHARIS, Athanasios Evangelos;SAMANTA, Michaela;TAMER, Ibrahim Melih;YADAV, Vikramaditya Ganapati~ 33:EP ~31:22203404.3 ~32:24/10/2022

2025/04374 ~ Complete ~54:SPIROCYCLIC DIHYDROPYRANOPYRIMIDINE KRAS INHIBITORS ~71:TREELINE BIOSCIENCES, INC., 500 Arsenal Street Watertown, Massachusetts, 02472, United States of America ~72: ALEXANDER E SEIM;ANDY TSAI;FLORENTINA TOFOLEANU;JAMES PAUL LAJINESS;JENS-MARTIN HEROLD;KEVIN D HESP;LUDOVIC JACKY GILBERT DECULTOT;SHAWN CABRAL;VINCENT MASCITTI~ 33:US ~31:63/426,950 ~32:21/11/2022;33:US ~31:63/456,235 ~32:31/03/2023;33:US ~31:63/515,290 ~32:24/07/2023;33:US ~31:63/533,346 ~32:17/08/2023;33:US ~31:63/535,006 ~32:28/08/2023;33:US ~31:63/542,188 ~32:03/10/2023;33:US ~31:63/545,531 ~32:24/10/2023

2025/04381 ~ Complete ~54:MOUNTING BRACKET ASSEMBLY, INCLINED COOLING MODULE ASSEMBLY AND VEHICLE ~71:Chery Automobile Co., Ltd., No.8, Changchun Road, Economy & Technology Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: CHI, Ronghai;GU, Zhuoqing;LI, Pengyao;LI, Zhaojin;WANG, Feifei~ 33:CN ~31:202310239464.7 ~32:08/03/2023

2025/04358 ~ Complete ~54:UNMANNED AERIAL VEHICLE AIRSPACE COLLABORATIVE SCHEDULING SYSTEM ~71:Wenzhou Polytechnic, No. 81, Jiangjiaqiao, Chashan Higher Education Park, Wenzhou City, Zhejiang Province, People's Republic of China ~72: ZHANG Hao~

2025/04354 ~ Provisional ~54:PHOTOPROTECTIVE COMPOSITIONS AND SPF-BOOSTING COMPOUNDS DERIVED FROM EXTRACTS OF FERMENTED FUNGI MYCELIUM AND METHODS FOR PRODUCTION THEREOF ~71:Sawubona Mycelium, 1/152 London Lane, South Africa ~72: Neo Semousu Moloi~

2025/04355 ~ Complete ~54:WATER-SAVING PROCESSING TECHNOLOGY FOR COW HIDE WET-BLUE LEATHER ~71:Zhongniu Group Co., Ltd., No. 666, Intersection of Changchun Road and Minjiang Road, Pudong Street, Zhecheng County, Shangqiu City, Henan Province, 476200, People's Republic of China ~72: FAN, Changhua;FAN, Enyuan;LI, Shiwei;QIANG, Taotao;XIA, Haofan~

2025/04370 ~ Complete ~54:SMART KNEE PROTECTOR AND USING METHOD THEREOF ~71:ANHUI POLYTECHNIC UNIVERSITY, Beijing Middle Road, Jiujiang District, Wuhu City, People's Republic of China ~72: TAO Yubo;WANG Zhujun;XING Yingmei~

2025/04373 ~ Complete ~54:CHEMICAL INHIBITORS FOR HIGH TEMPERATURE AND REACTIVE GROUND ~71:DYNO NOBEL ASIA PACIFIC PTY LIMITED, Level 8 28 Freshwater Place, Southbank, Victoria, 3006, Australia;THE UNIVERSITY OF SYDNEY, The University of Sydney, Sydney, New South Wales, 2006, Australia ~72: ALEXANDER DJERDJEV;BEN DE VRIES;BRENDAN GRIGGS;BRIAN HAWKETT;EMMA MCPHAIL;HANNAH FELLOWS;JEFF GORE;PRAMITH PRIYANANDA;SKYE MOORE~ 33:AU ~31:2022903767 ~32:09/12/2022

2025/04376 ~ Complete ~54:COMPOUNDS AND THEIR USE FOR TREATMENT OF HEMOGLOBINOPATHIES ~71:Bristol-Myers Squibb Company, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: CASHION, Daniel K.;CUMMINS, Thomas J.;EDWARDS, Jacob T.;HANSEN, Joshua;JOHNSON, Scott Arne;LOPEZ-GIRONA, Antonia;NAGY, Mark A.;OBERG, Kevin M.;POWERS, Hannah L.;TAMO, Giorgio~ 33:US ~31:63/422,847 ~32:04/11/2022

2025/04351 ~ Provisional ~54:BENEFIT MANAGEMENT SYSTEM AND METHOD ~71:DU PREEZ, Annéle, 796 Petrick Avenue, Faerie Glen, South Africa ~72: DU PREEZ, Annéle~

2025/04379 ~ Complete ~54:VEHICLE EARLY WARNING METHOD AND APPARATUS, DEVICE, STORAGE MEDIUM, AND PRODUCT ~71:Chery Automobile Co., Ltd., No. 8, Changchun Road, Economy & Technology Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China;Wuhu Automobile Advanced Technology Institute, No. 21 Fengminghu Road, Wuhu Economic and Technological Development Zone, WUHU 241006, ANHUI, CHINA (P.R.C.), People's Republic of China ~72: CAI, Wenqing;HUANG, Yong;LI, Tao;LIU, Yunhui;WU, Fusheng~ 33:CN ~31:202310651331.0 ~32:01/06/2023

2025/04384 ~ Complete ~54:MODULAR BATTERY OF AN ELECTRIC VEHICLE ~71:DRIVE ELECTRO SA, Avenue du Theatre 1, 1005, Lausanne, Switzerland ~72: IVANOV, Sergey~

2025/04349 ~ Provisional ~54:THERMO ELECTR-MECHANICAL TRANSDUCER ~71:William Henry John Field, 87 Fordyce Road, South Africa ~72: William Henry John Field~ 33:ZA ~31:F03G7/00 ~32:21/05/2025

2025/04367 ~ Complete ~54:POWER GRID MULTI-LEVEL EVALUATION METHOD AND SYSTEM BASED ON POWER GRID DEVICE TRACEABILITY RECORD ITEM ~71:JINLING INSTITUTE OF TECHNOLOGY, No.99 Hongjing Avenue, Jiangning District, Nanjing, 211169, People's Republic of China;NANJING VOCATIONAL COLLEGE OF INFORMATION TECHNOLOGY, No.99, Wenlan Road, Xianlin University Town, Nanjing, 210023, People's Republic of China;TAIYUAN POWER SUPPLY COMPANY OF STATE GRID SHANXI ELECTRIC

POWER COMPANY, No.71 Fudong Street, Xinghualing District, Taiyuan, 030001, People's Republic of China;TIANJIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.1038 Dagu South Road Hexi District, Tianjin, 300457, People's Republic of China ~72: Baohong FENG;Ben WANG;Dawei WANG;Fan CHEN;Gang SUN;Jiming YU;Wei YAO;Yiying ZHANG;Zhenfei GU~ 33:CN ~31:202411199948.4 ~32:29/08/2024

2025/04362 ~ Complete ~54:ENGINEERED ROBUST HIGH TM-PHYTASE CLADE POLYPEPTIDES AND FRAGMENTS THEREOF ~71:INTERNATIONAL N&H DENMARK APS, Langebrogade 1, DK-1411 Copenhagen K, Denmark ~72: HYE-SOOK KIM;IGOR NIKOLAEV;JAHNAVI CHANDRA PRASAD;JENS FRISBAEK SØRENSEN;LILIA MARIA BABE;RIE MEJLDAL;ROBIN ANTON SORG;SINA PRICELIUS;SVEND HAANING;TRINE CHRISTENSEN~ 33:US ~31:62/769,713 ~32:20/11/2018;33:US ~31:62/851,122 ~32:22/05/2019;33:US ~31:62/887,714 ~32:16/08/2019

2025/04368 ~ Complete ~54:APPARATUS FOR CUTTING FOOD PRODUCTS, APPARATUS FOR PROCESSING FOOD PRODUCTS, AND A FASTENING MECHANISM ~71:NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, Geniner Str. 249, Germany ~72: KREPINSKY, Gunnar~ 33:EP ~31:22209139.9 ~32:23/11/2022

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2025/04393 ~ Complete ~54:A PAPER CUTTER SUITABLE FOR A PAPERMAKING PRODUCTION LINE ~71:PUYANG LONGFENG PAPER CO., LTD., No. 81, South of the road, 350 meters east of the intersection of Shengli Road and Purui Road, Hualong District, Puyang City, Henan Province, 457000, People's Republic of China ~72: Dongwang Feng;Gangbiao Liu;Guoqing Feng;Hengzheng Su;Jiahui Li;Jianlun Yu;Jicheng He;Lei Zhang;Liping Sun;Longfei Han;Pengfei Li;Shengjun Li;Wei Du;Wei Wang;Xia Zhou;Xianhua Li;Yanhe Wei;Yuwen Ji;Zhangyi Lv;Zhantao Zhu~

2025/04401 ~ Complete ~54:PYRIMIDINES FOR DEGRADING BRUTON'S TYROSINE KINASE ~71:AbbVie Inc., 1 North Waukegan Road, Ap34-2, NORTH CHICAGO 60064, IL, USA, United States of America ~72: ADAMS, Ashley M.;BIAN, Zhiguo;BIANNIC, Berenger;BURKE, Jason P.;JIA, Zhaozhong J.;JIANG, Xingyu;KATCHER, Matthew H.;MALI, Venkat Reddy;MARIN, Violeta L.;MORTEZAEI, Shahab;NOEY, Elizabeth L.;OKANO, Akinori;PAYETTE, Joshua N.;RIVKIN, Alexey A.;SCHOLZ, Spencer O.;WOLLER, Kevin R.;ZABLOCKI, Jeffery A.;ZHAO, Xianrui~ 33:US ~31:63/322,505 ~32:22/03/2022

2025/04413 ~ Complete ~54:WATER-SOLUBLE UNIT DOSE ARTICLE COMPRISING A FIBROUS NON-WOVEN SHEET AND A SURFACTANT SYSTEM ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: BESIRIK, Olgun;TANTAWY, Hossam Hassan~ 33:EP ~31:22211788.9 ~32:06/12/2022

2025/04416 ~ Complete ~54:TREATMENT OF MTRES1 RELATED DISEASES AND DISORDERS ~71:EMPIRICO INC., 4660 La Jolla Village Drive, Suite 100, United States of America ~72: BRANDT, Emma;BRUSE, Shannon;BUSKE, Paul;BUSS, Eric;CAJES, Brian;GOTTESMAN, Omri;JAKUBOSKY, David;LEWIS, David;MCINNES, Gregory;ROZEMA, David;VEKICH, John;WAKEFIELD, Darren H.~ 33:US ~31:63/429,763 ~32:02/12/2022;33:US ~31:63/432,854 ~32:15/12/2022;33:US ~31:63/582,781 ~32:14/09/2023;33:US ~31:63/540,624 ~32:26/09/2023

2025/04387 ~ Provisional ~54:SYSTEM AND METHOD FOR CONVERTING PREPAID AIRTIME INTO ELECTRICITY TOKENS USING GSM HARDWARE ~71:Mohau Abaate Eliam Maphosa, 20 Jacona street, South Africa ~72: Mohau Abaate Eliam Maphosa~ 33:ZA ~31:Maek.AM1 ~32:17/05/2025

2025/04396 ~ Complete ~54:UNIVERSAL MOUNTING BRACKET ~71:VAN ROOYEN, Gert Thomas, No. 12 Mimosapark, Buffelfontein Road, South Africa ~72: VAN ROOYEN, Gert Thomas~ 33:ZA ~31:2024/01627 ~32:26/02/2024

2025/04405 ~ Complete ~54:5GNR AIR INTERFACE PROTOCOL STACK DATA PLANE ACCELERATION METHOD ~71:Haipeng Sun, 6th Floor, No. 51 Xueyuan Road, Haidian District,, Beijing, People's Republic of China ~72: Haipeng Sun~

2025/04409 ~ Complete ~54:COMPLETE MEASUREMENT AND PROCESSING SYSTEM FOR REACTOR CORE INSTRUMENT ~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: BI, Guangwen;BU, Jiangtao;FEI, Jingran;GONG, Biying;JIN, Bo;KUANG, Hongbo;LIN, Zhiyong;MAO, Fei;XIE, Jingjing;XUE, Hongyuan;YANG, Bo;ZHANG, Jianpeng;ZHONG, Hua~ 33:CN ~31:202211490445.3 ~32:25/11/2022

2025/04397 ~ Complete ~54:NOVEL ANTI-SKID ESCAPE WHEEL DEVICE ~71:Xinyu University, No. 2666, Yangguang Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Chaoyi Li;Chenyu Zhong;Jianyang Liu;Jinbo Li;Xiao Chen;Xiaoxin Zhang;Zhimin Yan~

2025/04392 ~ Complete ~54:VR GLASSES AUXILIARY DESIGN EXPERIENCE DEVICE ~71:Wenzhou Polytechnic, No. 81, Jiangjiaqiao, Chashan Higher Education Park, Wenzhou City, Zhejiang Province, People's Republic of China ~72: DAI Zhaojue~

2025/04411 ~ Complete ~54:COMPOSITIONS COMPRISING ANTIBODY CLEAVING ENZYMES AND METHOD OF USING THE SAME ~71:Duke University, 2812 Erwin Road, Suite 406, DURHAM 27705, NC, USA, United States of America ~72: ASOKAN, Aravind;ELMORE, Zachary;HULL, Joshua;SMITH, Timothy~ 33:US ~31:63/421,996 ~32:22/11/2022;33:US ~31:63/492,985 ~32:29/03/2023;33:US ~31:63/502,920 ~32:17/05/2023

2025/04394 ~ Complete ~54:A WASTEWATER TREATMENT DEVICE SUITABLE FOR THE PAPERMAKING PROCESS ~71:PUYANG LONGFENG PAPER CO., LTD., No. 81, South of the road, 350 meters east of the intersection of Shengli Road and Purui Road, Hualong District, Puyang City, Henan Province, 457000, People's Republic of China ~72: Dongwang Feng;Gangbiao Liu;Hengzheng Su;Jiahui Li;Jiangping Sun;Jianlun Yu;Jicheng He;Shanfeng Xie;Shengjun Li;Wei Du;Wei Wang;Xia Zhou;Xianhua Li;Yanhe Wei;Zhangyi Lv;Zhantao Zhu~

2025/04398 ~ Complete ~54:SELF-POWERED ENERGY-SAVING PIPELINE SWITCH DEVICE ~71:Hebei Renyu Water Saving Equipment Co. Ltd., Daliulei Village, Xindian Town, Ren County, Xingtai City, Hebei Province, People's Republic of China ~72: Bo Wang;Jianfeng Wang;You Wang~

2025/04399 ~ Complete ~54:LOW TEMPERATURE AND HIGH DENSITY SINTERED ALUMINUM OXIDE CERAMIC COMPOSITION AND APPLICATION ~71:YONGZHOU MINGRUI CERAMIC TECHNOLOGY CO., LTD., Southeast Corner of the Intersection of Changliu Road and Wangzhou Road, Qiyang High-tech Industrial Development Zone, Yongzhou, Hunan, 426100, People's Republic of China ~72: CHENGXI DENG;YINGUANG LIU~

2025/04403 ~ Complete ~54:PLATFORM FOR DETECTING GHOST FREQUENCY NOISE OF GEAR PAIR ~71:CHONGQING UNIVERSITY OF TECHNOLOGY, No. 69 Hongguang Avenue, Banan District, People's Republic of China ~72: Dong GUO~ 33:CN ~31:202411728683.2 ~32:28/11/2024

2025/04406 ~ Complete ~54:BROCCOLI PLANT THAT PRODUCES SMALL FLOWER BUDS WITH UNIFORM SIZE AND HIGH YIELD, AND METHOD FOR PRODUCING PROCESSED PRODUCT THEREOF ~71:SAKATA

SEED CORPORATION, 2-7-1, Nakamachidai, Tsuzuki-ku Yokohama-shi, Kanagawa, 2240041, Japan ~72: TOMOAKI FUNABIKI~ 33:JP ~31:2022-171660 ~32:26/10/2022

2025/04414 ~ Complete ~54:FINGER HOLDER FOR A POULTRY DEFEATHERING MACHINE ~71:Plumatech, ZA du Raussan, PLAINTEL 22940 , FRANCE, France ~72: LE MEAUX, Franck~ 33:FR ~31:2212295 ~32:24/11/2022

2025/04391 ~ Complete ~54:PNEUMATIC ANCHOR DRILLING MACHINE FOR COAL MINE ROADWAY SUPPORT ~71:Anhui University of Science and Technology, No. 168 Taifeng Street, Huainan City, Anhui Province, 232001, People's Republic of China;China Coal Xinji Energy CO., LTD., Minhui Street, Tianjia'an District, Huainan City, Anhui Province, 232001, People's Republic of China ~72: JIAO Jinbao;LI Xue;LIU Yujian;MA Shoulong;WANG Haibo;WANG Mengxiang;WANG Xiaoping~

2025/04402 ~ Complete ~54:LONG-SERVICE-LIFE BEARING STRUCTURE ~71:HENGXIANG TECHNOLOGY INC., LTD, No. 9, East road, North industrial base park, Toacheng district, People's Republic of China ~72: GUO, Xiaoce;JING, Xiaoyan;KANG, Tengyao;LI, Rongrong;LIU, Baoquan;LIU, Qi;MA, Meiqin;SONG, Chunxiao;WANG, Kunkun;ZHAO, Guangyao~

2025/04404 ~ Complete ~54:METHODS, SYSTEMS AND PROCESS EQUIPMENT FOR OPTIMIZED CONTROL OF THERMAL HYDROLYSIS PROCESSES ~71:CAMBI TECHNOLOGY AS, Postboks 78, Norway ~72: BOTAN, Alexandru;HOLTE, Hans Rasmus;LILLEBØ, Andreas Helland~ 33:EP ~31:22209446.8 ~32:24/11/2022

2025/04408 ~ Complete ~54:PROCESS FOR THE PREPARATION OF A GADOLINIUM CONTRAST AGENT ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: BALZER, Sandra;BOEDDINGHAUS, Nicole;EBHARDT, Lasse;GRUBE, Stefan;HOG, Daniel;JACOBS, Tia;KUNELLIS, Jan-Christian;LONGERICH, Markus;PLATZEK, Johannes;SCHIRMER, Heiko;TERWILLIGER, Daniel William;ULFERTS-HÄNEL, Anita~ 33:EP ~31:22203296.3 ~32:24/10/2022

2025/04410 ~ Complete ~54:USE FOR DELAYING GREENING AND/OR FORMATION OF SOLANINE IN POTATOES ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: KUBICKI, Michael;SCHIRRING, Albert;UWLAND, Sander Henk Jan;WIJSMULLER, Jolanda Maud~ 33:EP ~31:22203827.5 ~32:26/10/2022

2025/04412 ~ Complete ~54:TRICYCLIC COMPOUNDS FOR THE TREATMENT OF CANCER ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: CHEN, Jianguo;GUO, Lei;LIU, Haixia;SHEN, Hong;XI, Junwei;ZHANG, Weixing;ZHAO, Dan;ZHU, Wei~ 33:IB ~31:2023/075911 ~32:14/02/2023;33:IB ~31:2023/115515 ~32:29/08/2023;33:IB ~31:2024/074420 ~32:29/01/2024

2025/04417 ~ Complete ~54:METHODS OF USE FOR MUSCODOR ALBUS STRAIN PRODUCING VOLATILE ORGANIC COMPOUNDS ~71:PRO FARM GROUP, INC., 1540 Drew Avenue, Davis, California, 95618, United States of America ~72: HENRY, Elizabeth;PIERCE, Brittany~ 33:US ~31:63/429,513 ~32:01/12/2022

2025/04385 ~ Provisional ~54:ENDODONTIC IRRIGATION DEVICE ~71:MARTIN VORSTER, 15 Cinsaut Street, Nooitgedacht Estate, Stellenbosch, 7600, South Africa ~72: MARTIN VORSTER~

2025/04386 ~ Provisional ~54:LACEFIX FULL – HANDHELD SHOELACE AGLET REPAIR DEVICE AND MODULAR APPLICATION SYSTEM ~71:Philip Thornley Gardner, 18a St Quinton road, South Africa ~72: Philip Thornley Gardner~

2025/04390 ~ Complete ~54:ANTIMICROBIAL PEPTIDE COMPOSITION AND APPLICATION THEREOF ~71:Institute of Vegetables, Hainan Academy of Agricultural Sciences, No. 9 Liufang Road, Haikou City, Hainan

Province, 571199, People's Republic of China ~72: CHEN, Yisong;PANG, Qiangqiang;SHI, Guobin;SUN, Xiaodong;ZHOU, Man~

2025/04400 ~ Complete ~54:DIAGNOSTIC ASSAY SYSTEM WITH REPLACEABLE PROCESSING MODULES AND REMOTE MONITORING ~71:CEPHEID, 904 Caribbean Dr. E., Sunnyvale, California, 94089, United States of America ~72: BRIAN BLIVEN;GREGORY MOTE;RONALD CHANG;STEVEN MONTGOMERY~ 33:US ~31:63/107,934 ~32:30/10/2020

2025/04415 ~ Complete ~54:SPORTS HELMET ~71:QUINLAN, Stephen John, No 5 Eyton Terrace, 28 Eyton Road, South Africa ~72: QUINLAN, Stephen John~ 33:ZA ~31:2022/11711 ~32:27/10/2022

2025/04388 ~ Complete ~54:MULTIDIMENSIONAL VECTOR MODEL-BASED PREDICTION AND INTERVENTION METHOD FOR AIR POLLUTANT-INDUCED DISEASE TRENDS ~71:THE THIRD PEOPLE`S HOSPITAL OF CHENGDU, No. 82 Qinglong Street, Qingyang District, Chengdu City, Sichuan Province, 610031, People's Republic of China ~72: LI, Jiao;LIU, Li;LIU, Li;LIU, Yifeng;SUN, Xiaobin;SUN, Zhongxin;WEI, Wen;XI, Weidong;ZHOU, Ling~

2025/04389 ~ Complete ~54:METHOD FOR PREDICTING THE HEIGHT OF WATER-CONDUCTING FRACTURE ZONE IN COAL MINE ROOF BASED ON SOA-KELM AND SYSTEM THEREOF ~71:East China University Of Technology, No. 56, Xuefu Road, Fuzhou City, Jiangxi Province, 344199, People's Republic of China;Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232046, People's Republic of China ~72: BI Yaoshan;DOU Litong;DOU Zhongsi;HUANG Kaifeng;KANG Yi;LI Dong;LI Fenghui;LI Zewei;LIU Yaxing;QUAN Quan;SHAN Ziqiang;ZHANG Xing~ 33:CN ~31:2025105255240 ~32:24/04/2025

2025/04395 ~ Complete ~54:THERAPEUTIC COMPOUNDS FOR HIV VIRUS INFECTION ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, United States of America ~72: FARAND, JULIE;GRAUPE, MICHAEL;GUNEY, TEZCAN;KATO, DARRYL;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 ~32:03/12/2021;33:US ~31:63/356,889 ~32:29/06/2022

2025/04407 ~ Complete ~54:ISOTROPIC LIQUID WASH COMPOSITION WITH ESTERIFIED NONIONIC THICKENER ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ASHMIU OMARR MAADAKIN KOROMA;KIMBERLY DAY;TIRUCHERAI VARAHAN VASUDEVAN~ 33:EP ~31:22216807.2 ~32:27/12/2022

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

Application Number	Assignor	Assignee
2007/03628	CUPRON, INC.	CUPRON PERFORMANCE ADDITIVES, INC.
2007/07775	CUPRON, INC.	CUPRON PERFORMANCE ADDITIVES, INC.
2022/12357	HEFEI UNIVERSITY OF TECHNOLOGY	ANLUDA TECHNOLOGY (WUXI) CO., LTD
2023/08029	DICERNA PHARMACEUTICALS, INC,	NOVO NORDISCK A/S
2009/04664	RADIO SURVEILLANCE CORPORATION (PTY) LTD	RADIO SURVEILLANCE CORPORATION (PTY) LTD
2025/01231	RADIO SURVEILLANCE CORPORATION (PTY) LTD	RADIO SURVEILLANCE CORPORATION (PTY) LTD
2007/08983	RADIO SURVEILLANCE	RADIO SURVEILLANCE CORPORATION (PTY)

Application Number	Assignor	Assignee
	CORPORATION (PTY) LTD	LTD
2007/08880	RADIO SURVEILLANCE CORPORATION (PTY) LTD	RADIO SURVEILLANCE CORPORATION (PTY) LTD
2006/00333	RADIO SURVEILLANCE CORPORATION (PTY) LTD	RADIO SURVEILLANCE CORPORATION (PTY) LTD
2023/00166	ARABELLE TECHNOLOGIES	ARABELLE SOLUTIONS FRANCE
2014/00202	ARABELLE TECHNOLOGIES	ARABELLE SOLUTIONS FRANCE
2014/06232	ARABELLE TECHNOLOGIES	ARABELLE SOLUTIONS FRANCE
2016/04257	KAZIA THERAPEUTICS LIMITED	VIVESTO AB (PUBL)
2010/07050	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2010/07050	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2021/07372	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2021/08262	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2024/00900	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2018/06700	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2015/00020	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2015/00020	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2017/01076	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2012/05225	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2012/05225	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2018/03505	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2013/06418	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2013/06418	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2018/03365	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2014/03786	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2014/03786	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2020/02752	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2023/04658	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2016/05279	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2016/05279	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2016/05277	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2016/05277	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2018/02039	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2018/02039	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.

Application Number	Assignor	Assignee
2013/07869	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2013/07869	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2021/03673	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2015/02415	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2015/02415	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2012/03114	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2012/03114	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2012/01878	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2012/01878	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2012/05268	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2012/05268	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2013/01856	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2013/01856	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2016/00271	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2016/00271	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2017/04923	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2017/04923	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2016/08116	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2016/08116	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2009/05921	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2009/05921	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2017/06164	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2017/06164	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2023/07868	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2012/03285	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2012/03285	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2016/03544	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2016/03544	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2016/03542	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2016/03542	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2024/02201	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2009/03801	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2009/03801	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.

Application Number	Assignor	Assignee
2023/07869	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2023/09165	BOART LONGYEAR COMPANY	BOART LONGYEAR MANUFACTURING AND DISTRIBUTION INC.
2020/06684	GLYCOTOPE GMBH and DAIICHI SANKYO CO., LTD.	DAIICHI SANKYO CO., LTD.
2018/01750	ORGANOVO, INC.	ELI LILLY AND COMPANY
2021/01678	ORGANOVO, INC.	ELI LILLY AND COMPANY
2012/03608	DOLBY INTERNATIONAL AB FRAUNHOFFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	NAVIGATE LLC
2010/09163	VOICEAGE CORPORATION FRAUNHOFFER-GESELLSHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	NAVIGATE LLC
2024/03313	SANOFI	SANOFI PASTEUR INC.
2024/00657	HELM AG	HELM PHARMACEUTICALS GMBH
2019/07397	BETULIUM OY	OY KESKUSLABORATORIO – CENTRALLABORATORIUM AB
2024/09842	BEIXIN JIABAOLI COATINGS (GUANGDONG) CO., LTD	GUANGDONG CARPOLY SCIENCE AND TECHNOLOGY MATERIAL CO., LTD.
2024/09095	BEIXIN JIABAOLI COATINGS (GUANGDONG) CO., LTD	GUANGDONG CARPOLY SCIENCE AND TECHNOLOGY MATERIAL CO., LTD.
2009/06872	SUNCHEM B.V.	HARTREE PARTNERS (UK) LIMITED
2021/04520	HAIDONG HUANG, XIAOYI ZHOU and HANQIANG CHEN	SHANGHAI RENYOUSHENG GENE TECHNOLOGY CO., LTD.
2021/10170	PROCESS METRIX, LLC	VESUVIUS PROCESS METRIX, SAS
2014/03518	PROCESS METRIX, LLC	VESUVIUS PROCESS METRIX, SAS
2024/07922	FIRST MODE IPP LIMITED	CUMMINS INC.
2021/04667	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LIMITED	CUMMINS INC.
2023/04346	ABS GLOBAL, INC.	PIG IMPROVEMENT COMPANY UK LIMITED
2012/00166	GLYCOTOPE GMBH	DAIICHI SANKYO CO., LTD.
2007/07457	JINDEX (PTY) LTD	METSO SWEDEN AB
2024/02801	OCIN PRODUCTS, S.L	HICKLEY, NICOLAAS HENDRIK
2024/04227	SANOFI	SANOFI PASTEUR INC.
2018/01672	JINDEX (PTY) LTD	METSO SWEDEN AB
2024/03596	GEORG CARL BEYERS	TECHNOLOGIES (PTY) LTD.
2024/09092	GUIZHOU UNIVERSITY OF ENGINEERING SCIENCE and KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY
2024/09090	GUIZHOU UNIVERSITY OF ENGINEERING SCIENCE and KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY	KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY
2021/05476	DYCLAR GMBH	IGOR MALYKHIN MORO
2025/02236	RUTENBERG, GRANT MARCUS	CELLBURST (PTY) LTD

Application Number	Assignor	Assignee
2025/02233	RUTENBERG, GRANT MARCUS	CELLBURST (PTY) LTD
2025/02142	RUTENBERG, GRANT MARCUS	CELLBURST (PTY) LTD
2025/02318	RUTENBERG, GRANT MARCUS	CELLBURST (PTY) LTD
2023/11483	LEAF EXPRESSION SYSTEMS LIMITED	KBIO HOLDINGS LIMITED
2023/04451	SHENYANG UNIVERSITY OF TECHNOLOGY	SHENYANG MINGHUI MECHANICAL AND ELECTRICAL EQUIPMENT CO., LTD.
2025/03339	CHENGDU VOCATIONAL & TECHNICAL COLLEGE OF INDUSTRY	SICHUAN PROVINCIAL HIGHWAY PLANNING, SURVEY, DESIGN AND RESEARCH INSTITUTE CO., LTD and CHENGDU VOCATIONAL & TECHNICAL COLLEGE OF INDUSTRY
2021/07592	BIONTECH R&D (AUSTRIA) GMBH	BIONTECH SE
2011/07042	GEO-MOLE LIMITED	MARK BRICE
2022/10954	METSO OUTOTEC FINLAND OY	METSO OUTOTEC METALS OY
2022/10470	METSO OUTOTEC FINLAND OY	METSO OUTOTEC METALS OY
2024/08862	CODA BIOTHERAPEUTICS, INC.	CODA (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC
2024/08862	CODA (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC	TRAMES BIO, INC.
2024/09164	DUALITY BIOLOGICS (SUZHOU) CO., LTD.	DUALITY BIOLOGICS (SHANGHAI) CO., LTD.
2009/06118	SCOTT ELROD	PARAH, LLC
2022/00784	BEIJING WISDOMAB BIOTECHNOLOGY CO., LTD. and GENRIX (SHANGHAI) BIOPHARMACEUTICAL CO., LTD.	CHONGQING GENRIX BIOPHARMACEUTICAL CO., LTD.
2022/00905	ABL BIO INC.	YUHAN CORPORATION

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2020/01789	OMNIA DELLA TOFFOLA S.P.A.	OMNIA TECHNOLOGIES S.P.A.
2020/00407	OMNIA DELLA TOFFOLA S.P.A.	OMNIA TECHNOLOGIES S.P.A.
2011/07012	ARCA TECHNOLOGIES S.R.L.	SESAMI TECHNOLOGIES S.R.L.
2024/08576	GRAVITY POWER LLC	GRAVITY POWER INC.
2024/08577	GRAVITY POWER LLC	GRAVITY POWER LLC
2023/10577	GRAVITY POWER LLC	GRAVITY POWER LLC
2018/08453	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2016/03261	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2016/02172	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2018/06272	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2020/07044	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2018/02981	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2015/04364	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2017/04625	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2016/08770	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2017/03266	METSO OUTOTEC FINLAND OY	METSO FINLAND OY

Application Number	In the name of	New name
2022/10954	METSO OUTOTEC METALS OY	METSO METALS OY
2022/10470	METSO OUTOTEC METALS OY	METSO METALS OY
2018/05404	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2020/03880	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2022/09389	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2020/05780	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2022/11646	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
Q2010/09299	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2013/05430	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2014/01605	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2014/05150	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2014/06275	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2014/06342	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2016/03166	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2017/06981	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2018/01251	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2009/06911	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2009/08675	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2012/05707	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2014/02446	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2016/04212	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2018/00871	METSO OUTOTEC USA INC.	METSO USA INC.
2018/00920	METSO OUTOTEC USA INC.	METSO USA INC.
2018/00921	METSO OUTOTEC USA INC.	METSO USA INC.
2019/06556	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2021/07424	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2018/02312	JIANGSU ATOM BIOSCIENCE AND PHARMACEUTICAL CO., LTD.	ATOM THERAPEUTICS CO., LTD
2017/08255	AURIGENE DISCOVERY TECHNOLOGIES LIMITED	AURIGENE ONCOLOGY LIMITED
2024/09808	WEIR PUMP AND VALVE SOLUTIONS, INC.	WEIR MINERALS U.S. INC.
2018/06501	BALDWIN NHLANHLA DAKILE	NONHLANHLA DENISE DAKILE
2024/07602	406 BOVINE, INC.	TRUETRACE BIOMETRICS, INC.

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

Application Number	Licensor	Licensee
2016/03814	MINIMAL INVASIVE TECHNOLOGIES (PTY) LTD	SASPINE (PTY) LTD
2018/03107	SNUG SOLUTIONS LTD	TALON MANUFACTURING LIMITED

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2023/10959	WITHDRAWN	24/04/2025
2023/10988	WITHDRAWN	26/02/2025
2023/01692	WITHDRAWN	22/05/2025
2021/04283	WITHDRAWN	22/05/2025

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 **ABIC BIOLOGICAL LABORATORIES LTD** whose address for service is **DM KISCH INC, PRETORIA** has applied to the registrar for the restoration of Patent No **2017/02543** entitled **REDUCED FOAMING VACCINE COMPOSITIONS** dated **09/10/2015**, which lapsed on **09/10/2020** 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 **GRAHAM DAVID POWELL** whose address for service is **GRAHAM DAVID POWELL, POLOKWANE** has applied to the registrar for the restoration of Patent No **2009/06080** entitled **STANDPIPE CLOSURE ARRAGEMENT** dated **02/09/2009**, which lapsed on **02/09/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **0903608 B.C. LTD.** whose address for service is **RADEMEYER ATTORNEYS, RANDBURG** has applied to the registrar for the restoration of Patent No **2016/03706** entitled **COMPOSITIONS, DEVICES AND METHODS FOR CONTROL OF PESTS USING VAPOR ACTIVITY** dated **18/11/2014**, which lapsed on **18/11/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

THE PATENTS ACT, No. 57 OF 1978

VOLUNTARY SURRENDER OF A PATENT UNDER SECTION 64 (1), REGULATION 67 OF THE ACT

No records available

APPLICATION FOR CORRECTION IN TERMS OF SECTION 50

THE PATENTS ACT, 1978

APPLICATION FOR CORRECTION IN TERMS OF SECTION 50.

Applicant: ADAGENE INC. HARBOUR PLACE, 103 SOUTH CHURCH STREET, P.O. BOX 2582, GRAND CAYMAN, KY1-1103, CAYMAN ISLANDS 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: **2020/01114** a filing date of **21 February 2020** Entitled: **DYNAMIC HUMAN HEAVY CHAIN ANTIBOD LIBRARIES.**

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.

APPLICATION TO AMEND THE SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: MICROBIO PTY LTD 8 Bellfield Place Westlake, QLD 4074. Request permission to amend the specification of letters of letter patent no: **2019/08301** of **12/12/2019** for **BIOMARKERS AND USES THEREOF.**

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: MM METALS USA, LLC 4000 Chemical Road, Suite 401, Plymouth Meeting Pennsylvania 19462. Request permission to amend the specification of letters no: **2021/10259** of **10/12/2021** for **METHOD AND SYSTEM FOR PRODUCING LOW CARBON FERROCHROME FROM CHROMITE ORE AND LOW CARBON FERROCHROME PRODUCED THEREBY**.

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: FILTEREASY, LLC 2100 Lake Dam Road # 37398, Raleigh, NC 27627. Request permission to amend the specification of letters no: **2020/05389** of **28/08/2020** for **VARIABLE AIR FILTER ASSEMBLIES**.

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: TATA STEEL LIMITED Jamshedpur Jharkhand 831001., SREECHEM RESIN LIMITED Village - Jhagarpur, P.O. - Rajgangpur Sundargarh, Orissa 77001. Request permission to amend the specification of letters patent no: **2021/06867** of **17/09/2021** for **COMPOUNDS, COMPOSITIONS AND METHODS FOR UTILIZATION OF NON-COKING COAL**.

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: CHANNEL TECHNOLOGIES FZE Jebel Ali Free Zone, Office number FZJOA1813 Dubai. Request permission to amend the specification of letters patent no: **2020/05070** of **17/08/2020** for **TYPE CLASSIFICATION-BASED PROVISIONING OF NETWORK USAGE ADVANCES IN A MOBILE NETWORK**.

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: TAIRX, INC. 6F-1, No. 66, San-Chung Rd., Nankang Business Park 11502 Taipei City Taiwan (R.O.C). Request permission to amend the specification of letters patent no: **2024/01325** of **13/02/2024** for **FORMULATIONS WITH ENHANCED SN-38 SOLUBILITY AND ORAL ABSORPTION**

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: SMITH & NEPHEW PLC Building 5, Croxley Park, Hatters Lane, Watford, Hertfordshire WD18 8YE. Request permission to amend the specification of letters patent no: **2019/01594** of **14/03/2019** for **PROTECTION OF ELECTRONICS IN NEGATIVE PRESSURE WOUND THERAPY SYSTEMS**.

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: GANSHOF VAN DER MEERSCH, Nicolas Chemin de la Louye 15 1134 Vufflens-le-Chateau., RAISSI, Kaddour 100, rue de Menilmontant 75020 Paris. Request permission to amend the specification of letters patent no: **2024/04914** of **21/06/2024** for **A DEVICE FOR DELIVERING AN ORBITAL FLUID JET**.

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: Swiss Tower Mills Minerals AG Haselstrasse 1, BADEN 5401, SWITZERLAND METSO OUTOTEC FINLAND OY Lokomonkatu 3 33900 Tampere. Request permission to amend the specification of letters patent no: **2018/00828** of **08/02/2018** for **IMPROVEMENTS IN GRINDING MILLS.**

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: INTERVENTION FOR LIFE, LLC 4007 LAMBERT COVE, BIRMINGHAM, AL 25 242, USA. Request permission to amend the specification of letters patent no: **2021/06424 of 02/09/2021** for **ARTICULATED RADIATION SHIELDING SYSTEM**.

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: MINIMAL INVASIVE TECHNOLOGIES (PTY) LTD 1378B Breyer Avenue Waverley 0186 PRETORIA. Request permission to amend the specification of letters patent no: **2016/03814** of **03/06/2016** for **PEDICLE MOUNTABLE RETRACTOR SYSTEM**.

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: FRAMATOME 1 place Jean Millier, Tour Areva 92400 COURBEVOIE. Request permission to amend the specification of letters patent no: **2022/05349** of **13/05/2022** for **REACTOR FOR HYDROLYSIS OF URANIUM HEXAFLUORIDE**.

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: STELLENBOSCH UNIVERSITY Admin B, Victoria Street, 7600 Stellenbosch, Western Cape Province. Request permission to amend the specification of letters no: **2018/07635** of **13/11/2018** for **HOST BIOMARKERS FOR IMMUNODIAGNOSIS AND MONITORING OF TUBERCULOSIS DISEASE**.

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: TATA STEEL LIMITED Jamshedpur Jharkhand 831001., SREECHEM RESIN LIMITED Village - Jhagarpur, P.O. - Rajgangpur Sundargarh, Orissa 770017. Request permission to amend the specification of letters no: **2021/06867** of **17/09/2021** for **COMPOUNDS, COMPOSITIONS AND METHODS FOR UTILIZATION OF NON-COKING COAL**.

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.

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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.

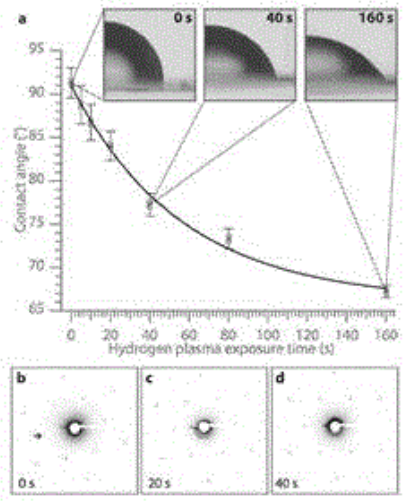
THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

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: 2016/00919. 22: 2016/02/10. 43: 2025/03/24
51: C01B; H01J
71: UNITED KINGDOM RESEARCH AND INNOVATION
72: RUSSO, CHRISTOPHER J, PASSMORE, LORI A
33: GB 31: 1318463.5 32: 2013-10-18
33: US 31: 61/865,359 32: 2013-08-13
54: GRAPHENE MODIFICATION
00: -
The invention relates to a support for receiving a biological sample, the support comprising at least one support member, and comprising graphene attached to said at least one support member, wherein said graphene is partially hydrogenated graphene. The invention also relates to use of a partially hydrogenated graphene surface to support a biological molecule for electron microscopy. The invention also relates to a method for making a partially hydrogenated graphene, the method comprising applying a hydrogen ion or hydrogen atom to the surface of graphene, hwerein said hydrogen ion or hydrogen atom is applied at an energy in the range 1 to 21 eV. The invention also relates to a sensor comprising a surface capable of adsorbing a biological molecule thereto, wherein said surface comprises partially hydrogenated graphene. The invention also relates to a method for cleaning a graphene surface, comprising contacting said graphene surface with a hydrogen plasma or a helium plasma or a neon plasma for a time sufficient to remove surface impurities.

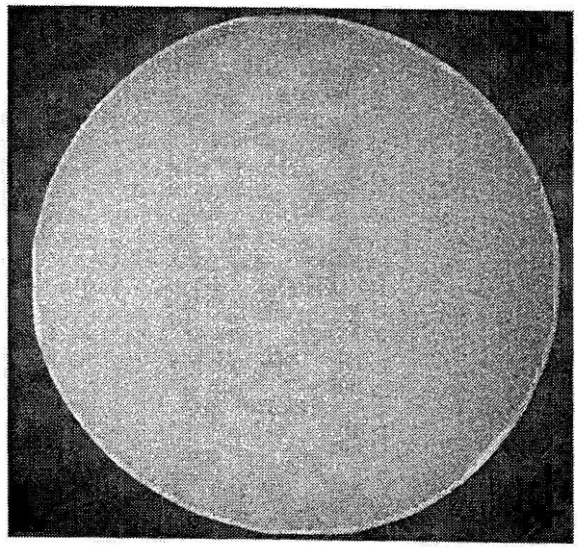


21: 2016/02248. 22: 2016/04/05. 43: 2025/03/03
51: C08K; C09C
71: PPG Industries Ohio, Inc.
72: MARTIN, Justin Jonathan, OKEL, Tim Allen, VOTRUBA-DRZAL, Peter Lawrence, KOLLAH, Raphael, WILT, Truman, EDELMAN, Clint Steven
33: US 31: 61/887,713 32: 2013-10-07
54: TREATED FILLERS, COMPOSITIONS CONTAINING SAME, AND ARTICLES PREPARED THEREFROM
00: -
The present invention includes a process for producing treated filler that includes (a) treating a slurry that includes untreated filler where the untreated filler has not been previously dried, with a treating composition that includes a treating agent, thereby forming a treated filler slurry, and (b) drying the treated filler slurry to produce treated filler. The treating agent can include at least one of an anhydride, a cyclic imide, and a derivative thereof. The present invention also is directed to treated filler prepared by the process, as well as rubber compounding compositions and tires including the treated filler.

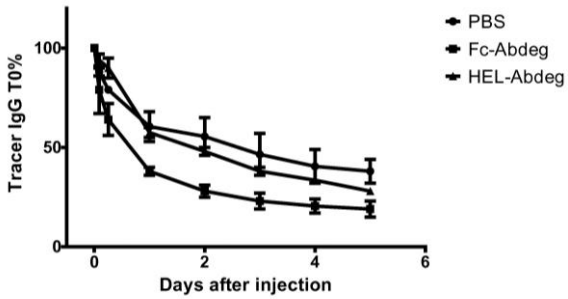
21: 2016/02253. 22: 2016/04/05. 43: 2025/03/03
51: A01N
71: Marizyme, Inc.
72: SURYAN, Mahendra
33: US 31: 61/963,093 32: 2013-11-22
54: SOLUTONS FOR INCREASING THE STABILITY AND SHELF LIFE OF AN ORGAN AND TISSUE PRESERVATION SOLUTION
00: -
Organ and tissue preservation solutions having improved stability are disclosed. The solutions are comprised of two separate solutions. The first solution, Solution A, is comprised of a balanced salt solution that is stable in solution at a pH of 7.0 or above. A second solution, Solution B, is comprised of an aqueous solution containing L-glutathione and/or cysteinylglycine, a sugar such as D-glucose, L-Arginine, a reducing agent such as ascorbic acid and water at a pH of below 7.0, preferably from about 3.0 to 5.0. The two Solutions are then mixed together at the point of use and the pH adjusted to about 7.3 resulting in the organ and tissue preservation solution having improved stability. Preferably, solution A has a pH of about 7.6 and solution B has a pH of about 5.0. The present invention is also comprised of kits 20 that contain the two Solutions in two separate containers 22, 24. In an alternate embodiment, the sugar can be in Solution A.

21: 2016/02256. 22: 2016/04/05. 43: 2025/03/03
51: C08K; C09C
71: PPG Industries Ohio, Inc.
72: OKEL, Tim Allen, VOTRUBA-DRZAL, Peter Lawrence, MARTIN, Justin Jonathan, KOLLAH, Raphael, WILT, Truman, REARICK, Brian, EDELMAN, Clint Steven, ANDERSON, Linda K., WANG, Feng, OLSON, Kurt
33: US 31: 61/887,713 32: 2013-10-07
54: TREATED FILLERS, COMPOSITIONS CONTAINING SAME, AND ARTICLES PREPARED THEREFROM
00: -
The present invention includes a process for producing treated filler that includes (a) treating a slurry that includes untreated filler where the untreated filler has not been previously dried, with a treating composition that includes a treating agent, thereby forming a treated filler slurry, and (b) drying the treated filler slurry to produce treated filler. The treating agent can include a polymer having (i) at least one first group that interacts with the untreated filler and (ii) at least one second group that interacts with a rubber matrix into which the treated filler is incorporated. The present invention also is directed to treated filler prepared by the process, as well as rubber compounding compositions and tires including the treated filler.

21: 2016/03033. 22: 2016/05/06. 43: 2025/02/28
51: C21D; C22C; C22F
71: ATI Properties LLC
72: FORBES JONES, Robin M., MINISANDRAM, Ramesh S.
33: US 31: 14/077,699 32: 2013-11-12
54: METHODS FOR PROCESSING METAL ALLOYS
00: -
A method of processing a metal alloy includes heating to a temperature in a working temperature range from a recrystallization temperature of the metal alloy to a temperature less than an incipient melting temperature of the metal alloy, and working the alloy. At least a surface region is heated to a temperature in the working temperature range. The surface region is maintained within the working temperature range for a period of time to recrystallize the surface region of the metal alloy, and the alloy is cooled so as to minimize grain growth. In embodiments including superaustenitic and austenitic stainless steel alloys, process temperatures and times are selected to avoid precipitation of deleterious intermetallic sigma-phase. A hot worked superaustenitic stainless steel alloy having equiaxed grains throughout the alloy is also disclosed.



21: 2016/04464. 22: 2016/06/30. 43: 2025/02/28
51: A61K; C07K
71: The Board of Regents of the University of Texas System, argenx BV
72: ULRICHTS, Peter, BLANCHETOT, Christophe, DREIER, Torsten, DE HAARD, Johannes, WARD OBER, E. Sally, ONGENAE, Nicolas G.H.
33: US 31: 61/920,547 32: 2013-12-24
54: FCRN ANTAGONISTS AND METHODS OF USE
00: -
Provided are novel FcRn antagonist compositions comprising a variant Fc region that binds specifically to FcRn with increased affinity and reduced pH dependence relative to the native Fc region. Also provided are FcRn antagonists with enhanced CD 16 binding affinity. Also provided are methods of treating antibody-mediated disorders (e.g. autoimmune diseases) using the these FcRn antagonist compositions, nucleic acids encoding the FcRn antagonist compositions, recombinant expression vectors and host cells for making the FcRn antagonist compositions, and pharmaceutical compositions comprising the FcRn antagonist compositions.



21: 2016/04829. 22: 2016/07/13. 43: 2025/03/03
51: C21D; C22C
71: Thyssenkrupp Steel Europe AG
72: KERN, Andreas, SCHAFFNIT, Elena, TSCHERSICH, Hans-Joachim
33: EP(DE) 31: 14154354.6 32: 2014-02-07
54: HIGH-STRENGTH FLAT STEEL PRODUCT HAVING A BAINITIC-MARTENSITIC MICROSTRUCTURE AND METHOD FOR PRODUCING SUCH A FLAT STEEL PRODUCT
00: -
A flat steel product according to the invention, which not only has optimum mechanical properties, such as a high strength combined with good toughness, but also has good suitability for welding, has, in the hot-rolled state, a ferrite-free microstructure consisting to an extent of = 95% by volume of martensite and bainite, with a martensite proportion of = 5% by volume and in total = 5% by volume residual austenite and also production-related unavoidable microstructure constituents. In addition to Fe and unavoidable impurities, the flat steel product according to the invention additionally comprises (in % by weight) 0.08 - 0.10% C, 0.015 - 0.50% Si, 1.20 - 2.00% Mn, 0.020 - 0.040% Al, 0.30 - 1.00% Cr, 0.20 - 0.30% Mo, 0.020 - 0.030% Nb, 0.0015 - 0.0025% B, up to 0.025% P, up to 0.010% S, up to 0.006% N, in particular 0.001 - 0.006% N. The impurities include up to 0.12% Cu, up to 0.090% Ni, up to 0.0030% Ti, up to 0.009% V, up to 0.0090% Co, up to 0.004% Sb and up to 0.0009% W. The invention additionally provides a method which makes it possible to produce a flat steel product according to the invention reliably and with reduced complexity.

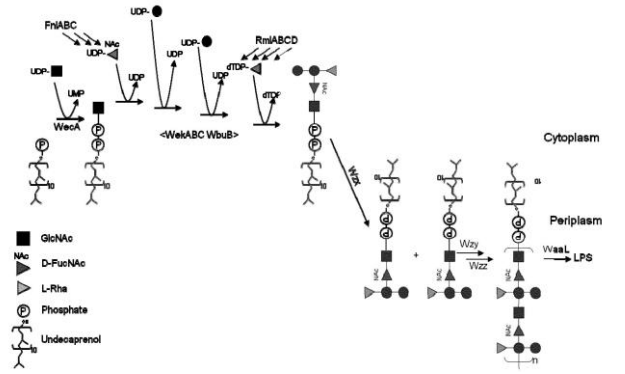
21: 2016/05819. 22: 2016/08/22. 43: 2025/03/03
51: C21D; C22C
71: ThyssenKrupp Steel Europe AG, thyssenkrupp AG

72: GAGANOV, Alexander, GERVERS, Wolfgang, KERN, Andreas, KOLEK, Gabriel, SCHAFFNIT, Elena, TSCHERSICH, Hans-Joachim
33: EP(DE) 31: 14161606.0 32: 2014-03-25
54: METHOD FOR PRODUCING A HIGH-STRENGTH FLAT STEEL PRODUCT
00: -

To produce a flat steel product having a yield strength of ≥ 700 MPa and a microstructure which is bainitic to an extent of ≥ 70% by volume, the following working steps are carried out according to the invention: a) melting of a steel melt consisting of (in % by weight) C: 0.05-0.08%, Si: 0.015-0.500%, Mn: 1.60-2.00%, P: ≤ 0.025%, S: ≤ 0.010%, Al: 0.020-0.050%, N: ≤ 0.006%, Cr: ≤ 0.40%, Nb: 0.060-0.070%, B: 0.0005-0.0025%, Ti: 0.090- 0.130% and unavoidable impurities, remainder Fe; b) casting of the melt to form a slab; c) reheating of the slab to 1200-1300°C; d) rough rolling of the slab at 950-1250°C and with an overall pass reduction of ≤ 50%; e) hot finish-rolling of the rough-rolled slab with a hot-rolling end temperature of 800-880°C; f) cooling of the hot finish-rolled flat steel product within ≤ 10 s after the hot finish-rolling to 50-620°C at a cooling rate of ≤ 40 K/s; g) coiling of the hot finish-rolled flat steel product.

21: 2016/05858. 22: 2016/08/23. 43: 2025/02/28
51: A61K; C07K
71: GlaxoSmithKline Biologicals SA
72: KOWARIK, Michael T., WETTER, Michael L., KEMMLER, Stefan J., HÄUPTLE, Micha A., GAMBILLARA, Veronica, MALLY, Manuela
33: US 31: 61/943,710 32: 2014-02-24
54: NOVEL POLYSACCHARIDE AND USES THEREOF
00: -

Provided herein is a novel *E. coli* O polysaccharide, O25B. Also provided herein are prokaryotic host cells comprising enzymes (e.g., glycosyltransferases) used in O25B production. The host cells provided herein produce 025B bioconjugates, wherein said bioconjugates comprise O25B linked to a carrier protein. Further provided herein are compositions, e.g., pharmaceutical compositions, comprising O25B and/or bioconjugates comprising O25B. Such compositions can be used as vaccines against infection with ExPEC, and may further comprise one or more additional bioconjugates.



21: 2016/05860. 22: 2016/08/23. 43: 2025/03/03
51: A61K; A61L; A61P; A61Q
71: IOTECH International, Inc.
72: KOLSKY, Rodger Elliot, MOSKOWITZ, Herbert, KESSLER, Jack
33: US 31: 61/972,626 32: 2014-03-31
54: STABLE COMPOSITIONS OF UNCOMPLEXED IODINE AND METHODS OF USE
00: -

The present invention is directed to a composition in solution (often, an aqueous solution) which comprises a combination of molecular iodine (I_2) and an acceptable source of iodate (IO_3), and an acid (inorganic or organic), wherein iodide and iodate are present in the composition at a molar ratio of about 0.1 to about 25, the concentration of uncomplexed molecular iodine is a disinfectant, biocidal and/or antimicrobial (depending upon the end use of the composition) effective amount the concentration of acid in the composition is effective to provide a buffering pH in the composition ranging from about 1.5 to about 6.5. Compositions according to the present invention are storage stable for unexpectedly long periods of time (up to about 5 years), and find use as disinfecting solutions, as germicides and/or biocides (e.g. antiviral, antibacterial, antifungal, antispore etc.) for various surfaces and solutions including living and inanimate surfaces and are particularly useful because of their low cost, their reduced use of iodine, their activity (because of the high concentration of free molecular iodine in solution), their reduced environmental impact, their long term storage stability and their reduced toxicity. They also have particular utility in treating food surfaces to retard spoilage, increase useful shelf-life and minimize the human and economic cost of food waste. The compositions inactivate viruses, bacteria (both gram negative and positive), spores and fungi. Compositions according to the present invention may be used and stored in a variety of materials, given the substantial absence of corrosion (non-corrosive) these compositions display. Dental compositions (e.g. preprocedure rinses and other compositions) and methods related thereto are also disclosed.

21: 2016/06385. 22: 2016/09/15. 43: 2025/03/03
51: C07D
71: Viamet Pharmaceuticals (NC), Inc.
72: HOEKSTRA, William J., KNUEPPEL, Daniel, RENGA, Jim, WHITEKER, Greg, SULLENBERGER, Michael T.
33: US 31: 61/955,661 32: 2014-03-19
54: 2-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-1-(5-SUBSTITUTED-PYRIDIN-2-YL)-3-(1H-TETRAZOL-1-YL)PROPAN-2-OLS AND PROCESES FOR THEIR PREPARATION
00: -

Provided herein are 2-(2,4-difluorophenyl)-1,1-difluoro-1-(5-substituted-pyridin-2- yl)-3-(1H-tetrazol-1-yl)propan-2-ols and processes for their preparation.

21: 2016/07137. 22: 2016/10/17. 43: 2025/03/03
51: A01K
71: Medithau
72: TARBOURIECH, Florent, THIBAUT, Jean-Jacques
33: FR 31: 1453555 32: 2014-04-18
54: IMPROVED OYSTER FARMING METHOD
00: -

The invention relates to an oyster farming method comprising at least one cultivation step (200) wherein periods of immersion are alternated with periods of mechanical dewatering of the oysters, the mechanical dewatering periods lasting between 3 hours and 48 hours, and an immersion period between two periods of mechanical dewatering lasting between 3 hours and seven days.

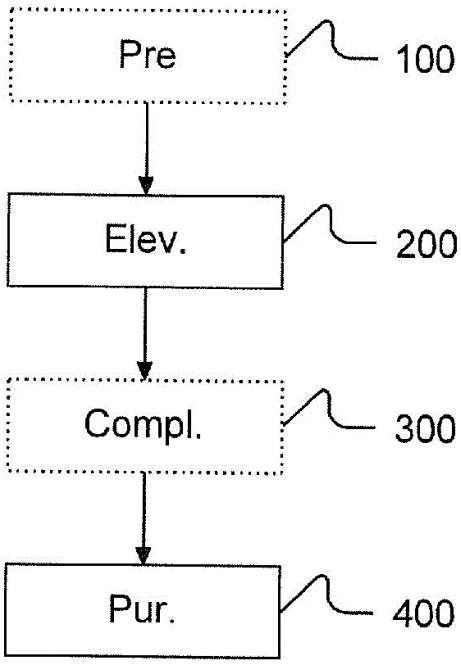
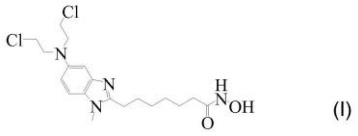


Fig.1

100 Pre
200 Cult.
300 Compl.
400 Pur.

21: 2016/07488. 22: 2016/10/31. 43: 2025/03/03
51: A61K; A61P
71: EURO-CELTIQUE S.A.
72: MEHRLING, Thomas, FESTUCCIA, Claudio
33: GB 31: 1409471.8 32: 2014-05-28
54: COMPOUNDS FOR TREATING BRAIN CANCER
00: -
There is provided a compound of formula I or a pharmacologically acceptable salt thereof: for use in the treatment of a brain cancer selected from a MGMT positive astrocytic brain tumour, a metastatic brain cancer and primary CNS lymphoma and a method of treating said brain cancers in a patient in need thereof comprising administering to the patient said compound of formula I or a pharmacologically acceptable salt thereof.



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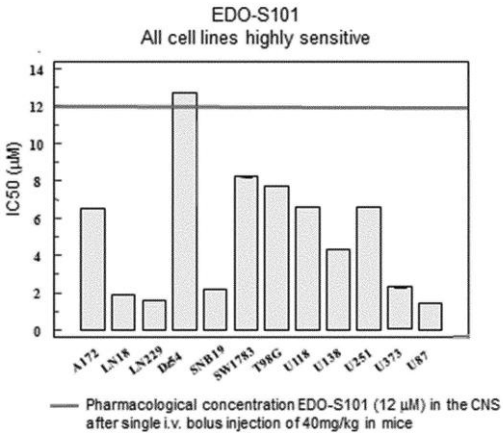
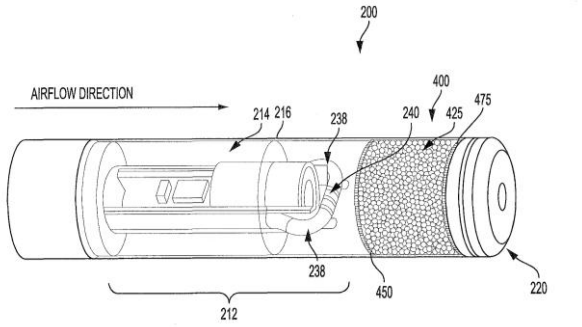
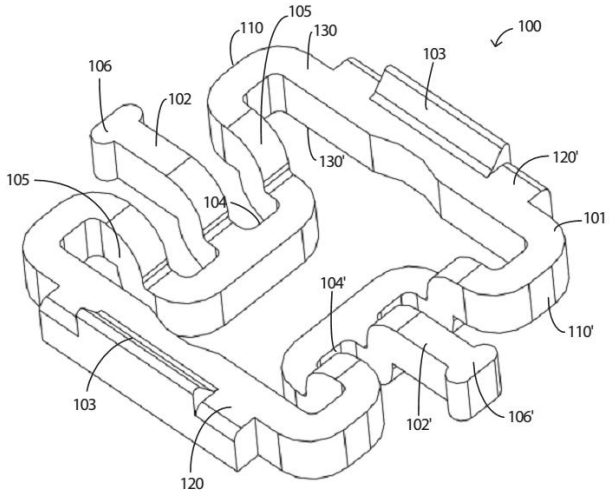


21: 2016/08522. 22: 2016/12/09. 43: 2025/04/23
51: A24F
71: RAI STRATEGIC HOLDINGS, INC.
72: SEARS, Stephen Benson, TALUSKIE, Karen V., DAVIS, Michael F., ADEME, Balager, DUGGINS, Donna Walker, GERARDI, Anthony Richard
33: US 31: 14/282,768 32: 2014-05-20
54: ELECTRICALLY-POWERED AEROSOL DELIVERY SYSTEM
00: -
An aerosol delivery system (100) comprising a control body portion (300) including a first elongate tubular member (304) having a power source (316) disposed therein, and a cartridge body portion (200) including a second tubular member (216) having opposed first and second ends, wherein one of the first and second ends is removably engaged with one end (302) of the control body portion (300), and wherein the cartridge body portion (200) further comprises a first aerosol generation arrangement (212) disposed within the second tubular member (216) and configured to operably engage the power source upon engagement between the control body portion (300) and the cartridge body portion (200). A second aerosol generation arrangement (400) is disposed between the first aerosol generation arrangement (212) and a mouth-engaging end (220) of the aerosol delivery system, the second aerosol generation arrangement (400) being either removably engaged with the cartridge body portion

(200) or housed within the second tubular member of the cartridge body portion. An associated method is also provided.



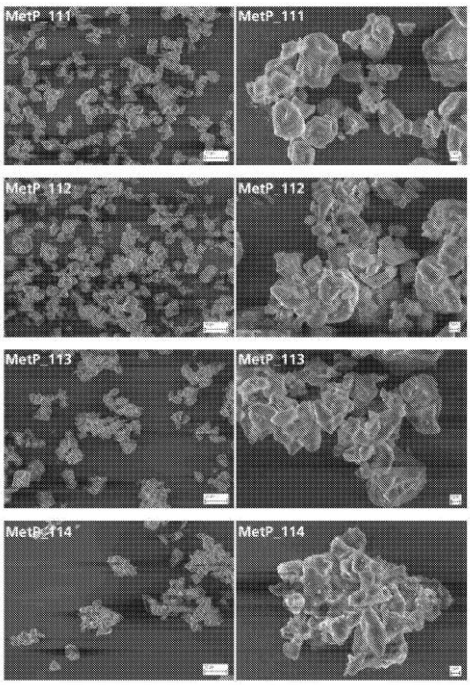
21: 2018/04002. 22: 2018/06/15. 43: 2025/04/07
51: H01H
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: ZHANG, Peter, SHANG, Denny
33: CN 31: 201710453583.7 32: 2017-06-15
54: DRIVING MEMBER FOR PUSH-BUTTON SWITCH AND PUSH-BUTTON SWITCH
00: -
An embodiment of the present invention relates to a driving member (100) for a push-button switch, comprising: a body (101) configured to be adaptable to drive said push-button switch to act; and an elastic reset portion extending from said body (101), said elastic reset portion having elasticity. The driving member (100) according to the present invention integrates a spring member with the driving member. The spring member is for resetting the driving member. The number of parts of the push-button switch is thereby reduced and the assembly becomes simpler. The driving member (100) occupies a small height space, which facilitates making the push-button switch thinner.



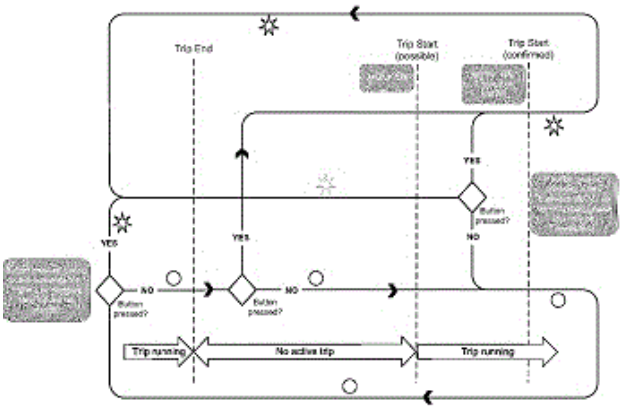
21: 2018/06684. 22: 2018/10/08. 43: 2025/03/13
51: A61K; A61P
71: Loxo Oncology, Inc.
72: COX, Michael, NANDA, Nisha, REYNOLDS, Mark, SMITH, Steven A.
33: US 31: 62/318,041 32: 2016-04-04
54: METHODS OF TREATING PEDIATRIC CANCERS
00: -
A method of treating a pediatric cancer in a subject in need thereof. The method includes administering to the subject a therapeutically effective amount of (S)-N-(5-((R)-2-(2,5-difluorophenyl)pyrrolidin-1-yl)-pyrazolo[1,5-a]pyrimidin-3-yl)-3-hydroxypyrrolidine-1-carboxamide, or a pharmaceutically acceptable salt thereof, or a combination thereof.

21: 2018/07446. 22: 2018/11/06. 43: 2025/04/07
51: A61K
71: AUSTINPX, LLC
72: MILLER, Dave A., ELLENBERGER, Daniel J., SCHILLING, Sandra U.
33: US 31: 62/333,482 32: 2016-05-09
33: US 31: 62/334,576 32: 2016-05-11
54: IMPROVED DRUG FORMULATIONS
00: -
The disclosure provides for improved pharmaceutical compositions containing an active pharmaceutical ingredient and a non-polymeric lubricant and methods of manufacturing the same. In particular, the compositions are prepared using thermal processing or solvent sprying and provide improved properties as well as more efficient methods of manufacture

21: 2018/08551. 22: 2018/12/19. 43: 2025/04/07
51: A61K
71: M ET P PHARMA AG
72: MATTERN, Claudia
33: US 31: 62/345,369 32: 2016-06-03
54: NASAL PHARMACEUTICAL COMPOSITIONS WITH A POROUS EXCIPIENT
00: -
Described herein are nasal pharmaceutical compositions comprising a porous excipient and an active agent, wherein the active agent is loaded onto a surface of the porous excipient located inside pores of the porous excipient, and wherein the composition is adapted for nasal administration. Also described herein are methods of making and using nasal pharmaceutical compositions.

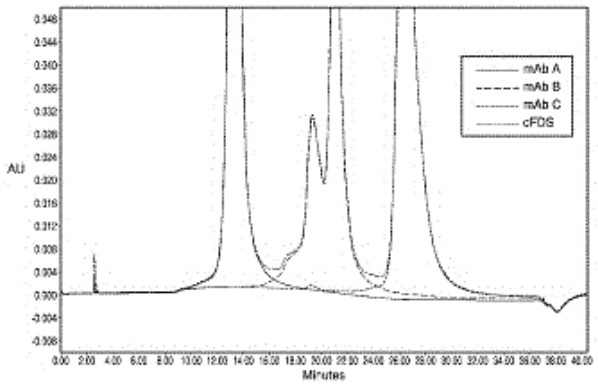


21: 2019/00277. 22: 2019/01/15. 43: 2025/03/06
51: G07C; G01C
71: BRIDGESTONE MOBILITY SOLUTIONS B.V.
72: SANTORO, GIANFRANCO, SCHILLER, HENRIK, SCHMIDT, ALEXANDER, MEISSNER, CHRISTIAN, HAGENAU, THOMAS, POMSEL, ANDRÉ, LIEBSCHER, RENÉ
33: GB 31: 1611520.6 32: 2016-06-30
54: WIRELESS COMMUNICATION DEVICES
00: -
A method of operating a wireless communication device installed in a vehicle to transmit data indicative of trips made by the vehicle to a remote device. An ignition state of the vehicle is determined, wherein said ignition state includes at least an ignition 'on' state. A time window is defined based on a time at which the vehicle is determined to be in the ignition 'on' state, and a type is assigned to a trip to be made by the vehicle, wherein the trip is of a first type when input data indicative of an input by a user on an input device operatively connected to the wireless communication device is received in the defined time window, and is otherwise of a second type. A message is generated, at least for trips of the first type, indicating the type assigned to the trip, and is wirelessly transmitted to the remote device.



21: 2019/00350. 22: 2019/01/17. 43: 2025/03/28
51: A61K; B01D; C07K
71: REGENERON PHARMACEUTICALS, INC.
72: LIU, DINGJIANG, LUO, LIN, XU, LONG
33: US 31: 62/375,887 32: 2016-08-16
54: METHODS FOR QUANTITATING INDIVIDUAL ANTIBODIES FROM A MIXTURE
00: -
The present disclosure relates to, inter alia, a method of quantitating an amount of an antibody molecule from a mixture comprising two or more antibody molecules, comprising separating each of the two or more antibody molecules from the mixture by hydrophobic interaction chromatography high performance liquid chromatography (HIC-HPLC) and quantitating an amount of each antibody molecule, wherein the molecular weight of each antibody molecule is within 15 kDa of any other antibody molecule in the mixture and either each antibody molecule is different from another antibody molecule in the mixture by more than about 0.25 unit on the Kyte & Doolittle hydropathy scale or each of the

antibody molecules when run alone on HIC-HPLC elutes at distinct run time with little overlap from the other antibody molecules in the mixture, or both.



21: 2019/00747. 22: 2019/02/05. 43: 2025/03/24
51: B25J; G05B; G01S
71: FASTBRICK IP PTY LTD
72: PIVAC, MARK
33: AU 31: PCT/AU2017/050731 32: 2017-07-14
33: AU 31: 2016902787 32: 2016-07-15
54: DYNAMIC COMPENSATION OF A ROBOT ARM MOUNTED ON A FLEXIBLE ARM
00: -
A control system is described for a base supporting a telescoping articulated boom assembly indicated generally at 15, comprising long telescopic boom 17 and telescopic stick 19. Mounted to the remote end 21 of the stick 19 is an end effector in the form of a head 23 that supports a 6 axis robot arm 25 that moves a further end effector 27 to manipulate the items. The robot arm 25 has a robot base 31, and mounted above the robot base 31 is a first target in the form of a 6 degree of freedom (6 DOF) high data rate position sensor 33, that provides 6 DOF position coordinates, relative to a fixed ground reference 35, to a control system. Mounted on the end of the robot arm 25 immediately above the end effector 27 is a second target in the form of a 6 degree of freedom (6 DOF) high data rate position sensor 37, that provides 6 DOF position coordinates, relative to the fixed ground reference 35, to the control system. The fixed ground reference 35 tracks the sensor 33 and feeds data to the control system to move the head with slow dynamic response within range of work for the robot arm, and tracks the sensor 37 to control movement of the robotic arm 25 and end effector 27 with fast dynamic response.

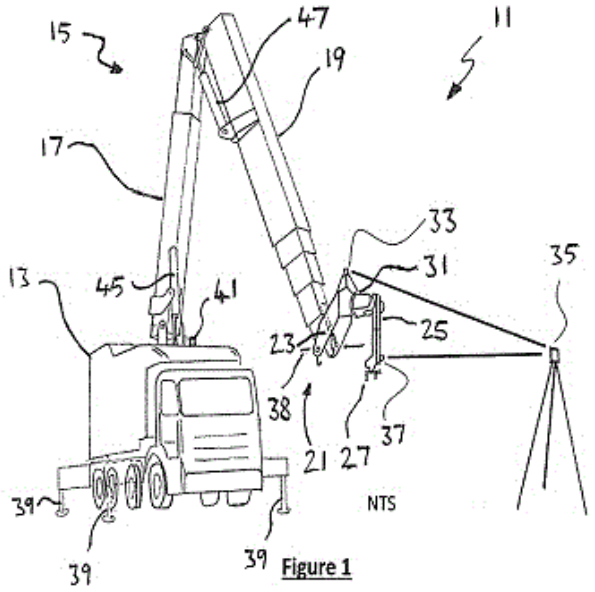


Figure 1

21: 2019/02851. 22: 2019/05/07. 43: 2025/03/03
51: B02C; B32B; G01N
71: Weir Minerals Australia Ltd
72: TRENCH, Michael
33: AU 31: 2013902999 32: 2013-08-09
54: CYCLONE SEPARATOR APPARATUS AND METHODS OF PRODUCTION
00: -
There is provided a method of forming a hydrocyclone body including assembling sintered alumina blocks (27) against a form (37), holding the blocks (27) in place with tape (40), locating a hydrocyclone housing over the blocks (27), filling a space between them with settable epoxy/ceramic composite to secure the blocks (27) to the casing, and removing the form (37), resulting in a substantially continuous, wear resistant surface.

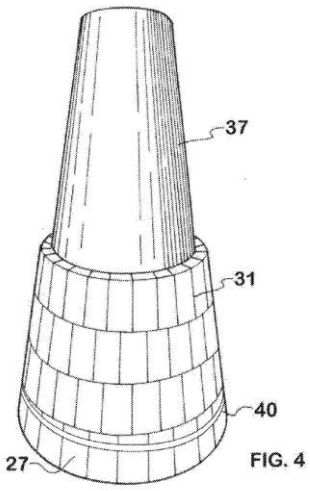


FIG. 4

21: 2019/03862. 22: 2019/06/14. 43: 2025/04/23
51: H02G
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: JUHASZ, Elizabeth Tunde, LIFRAN, Xavier
33: AU 31: 2018902125 32: 2018-06-14
54: FACE PLATE WITH FRAME AND METHOD OF MANUFACTURE
00: -
Disclosed is a face plate arrangement for an electrical unit, and method of manufacture. A frame of the face plate is made from an extruded material, and is connected to a face plate body to provide the face plate. The face plate may be connected to a base plate such as a grid of the electrical unit. Also disclosed is an electrical unit formed from the base plate and the face plate.

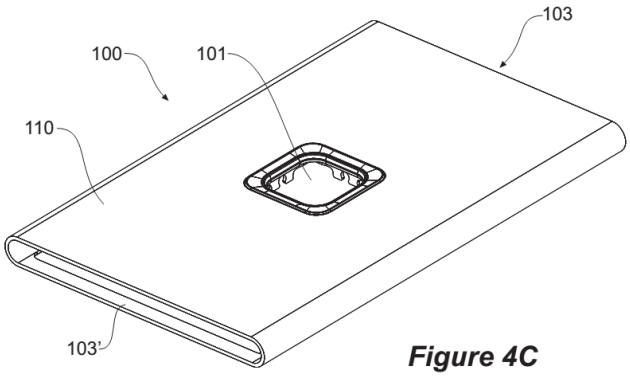


Figure 4C

21: 2019/03863. 22: 2019/06/14. 43: 2025/04/07
51: H01R; H02B; H02G
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: REUTER, Mark Gary, JUHASZ, Elizabeth Tunde, LIFRAN, Xavier
33: AU 31: 2018902123 32: 2018-06-14
54: ELECTRICAL OUTLET AND SUPPORT FOR ELECTRICAL DEVICE
00: -
Disclosed is an electrical outlet comprising at least one electrical socket for providing power or data to a device. The electrical outlet comprises a magnetic material to provide support to the device while the device is connected to the electrical socket. In some embodiments, the magnetic material is provided on the face plate of the outlet. In some embodiments, the magnetic material is provided on a grid plate of the electrical outlet.

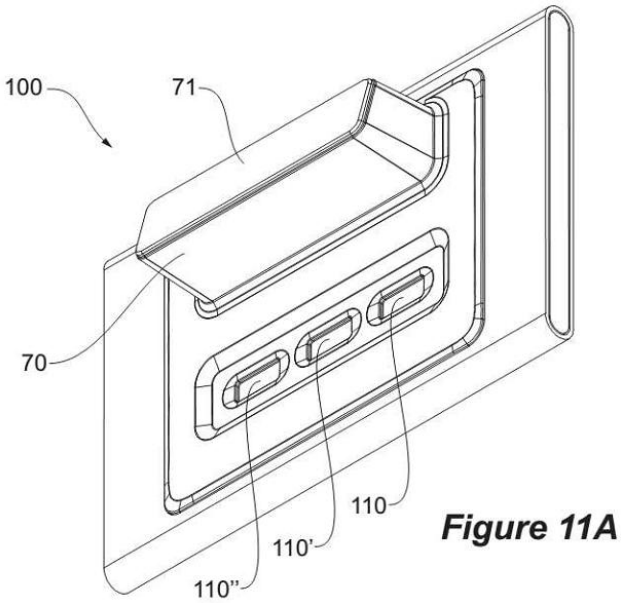
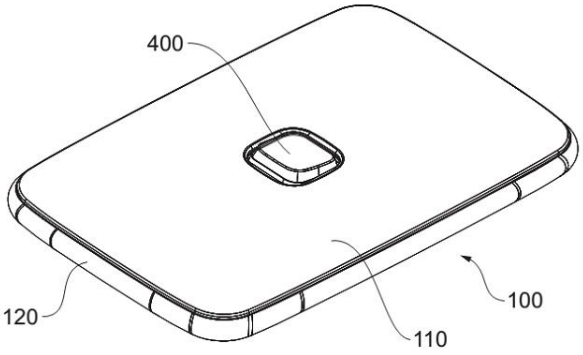


Figure 11A

21: 2019/03864. 22: 2019/06/14. 43: 2025/04/07
51: H02G
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: JUHASZ, Elizabeth Tunde, REUTER, Mark, LIFRAN, Xavier, DOLLING, Alexandra
33: AU 31: 2018902122 32: 2018-06-14
54: FACE PLATE AND METHOD OF MANUFACTURE
00: -
Disclosed is a face plate for connection to a base plate such as a grid plate of an electrical unit. In some embodiments, the face plate is made from 2 parts, being a frame and a body. In some embodiments, the frame is made of wood. Also disclosed are a number of methods of manufacturing the frame.



21: 2019/04257. 22: 2019/06/28. 43: 2025/04/07
51: H01H
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: ZHANG, Peter
33: AU 31: 2018902334 32: 2018-06-28
54: PUSH-BUTTON SWITCH WITH STATUS INDICATOR
00: -
Disclosed is a push button for use in a switch assembly, having a status indicator for indicating the status of the switch assembly. In some embodiments, the status is pivotally mounted within the push button and comprises a first magnetic material for magnetic interaction with a second magnetic material associated with an interface of the switch assembly, such that the push button status indicator pivots from a first state to a second state in accordance with the status of the switch assembly. Also disclosed are an interface for use with the push button, and a switch assembly comprising the push button and the interface.

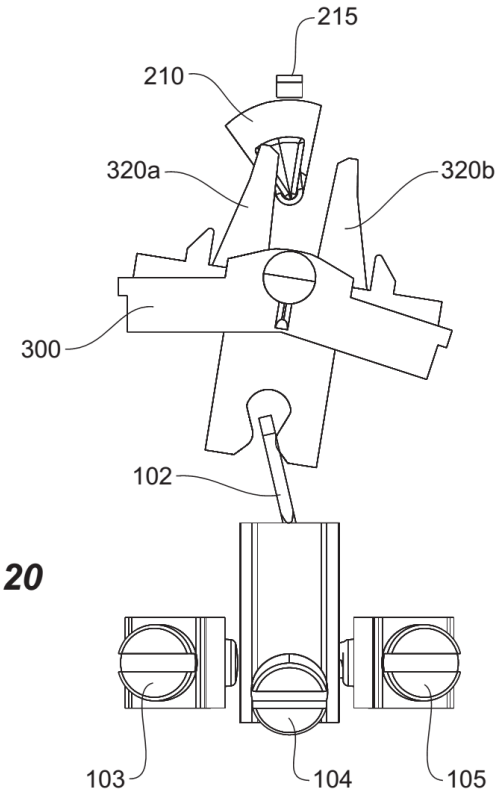


Figure 20

21: 2019/06108. 22: 2019/09/16. 43: 2025/04/07
51: A61B
71: INNOVATIVE MEDICAL TECHNOLOGY (PTY) LTD
72: PARKER, Cyril Norman, PARKER, Elisabeth Regina, VORSTER, Jared Mark, WISEMAN, David Christopher
33: ZA 31: 2017/01743 32: 2017-03-10
54: CIRCUMCISION DEVICE
00: -
A circumcision device is provided by the present invention. The device comprises two jaws configured to crush a foreskin between them along a crush region transverse to a foreskin and transverse to a general direction in which a penis being circumcised extends. The jaws are movable between an open inoperative position and a closed operative position in which a clamping and crushing force may be exerted to promote hemostasis within the crush region. The device includes a cutting assembly capable of traversing and severing a crushed foreskin within or adjacent the crush region. The invention extends to a glans penis protector comprising a handle separable from a transverse glans penis engaging cover so that the handle can

be separated from the glans penis engaging cover during a circumcision procedure.

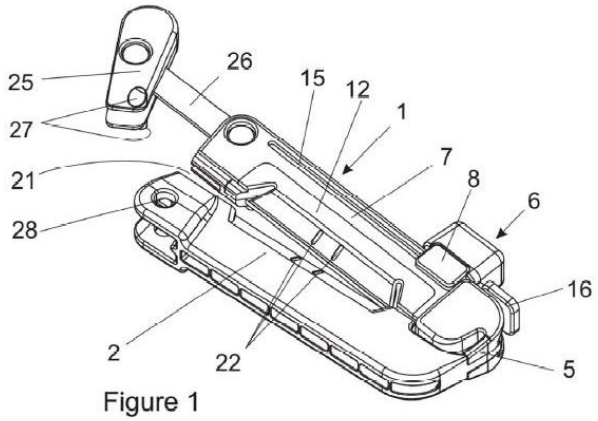
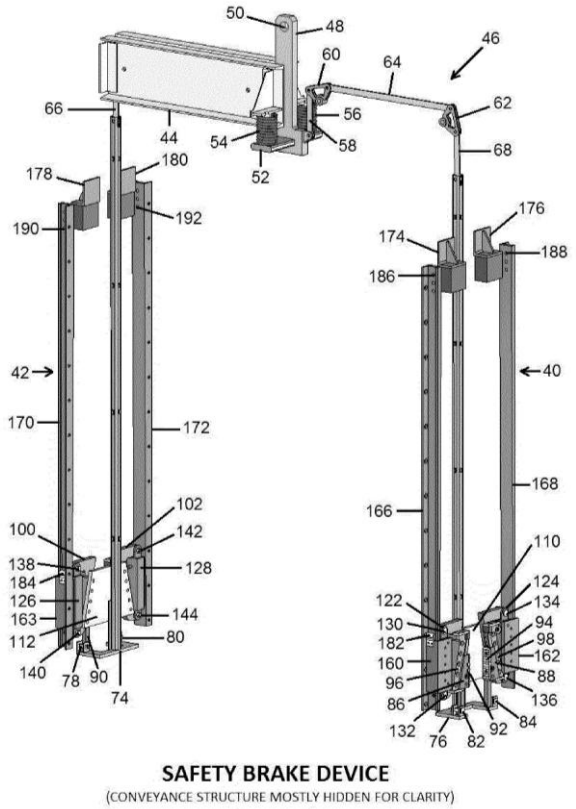


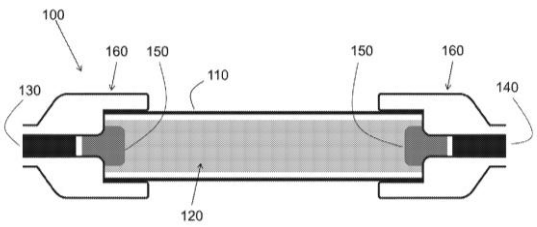
Figure 1

21: 2019/06514. 22: 2019/10/03. 43: 2025/03/13
51: B66B
71: FLSmidth A/S
72: KENNEDY, Donald Todd, LAARAKKER, Henry T., THIESEN, Marcus
33: DK 31: PA 2017 70243 32: 2017-04-04
54: MINE SHAFT CONVEYANCE SAFETY BRAKE
00: -
The disclosure relates to a mine shaft conveyance safety brake for controlling the rate of deceleration of a free-falling conveyance, operating within or upon fixed shaft guides, in a vertical, substantially vertical or inclined mine shaft. The safety brake includes an activation system, one or more guide clamp assemblies operable for locking onto one or more shaft guides, one or more braking assemblies and one or more brake paths attached upon the conveyance. Upon detection of a conveyance suspension failure or slack rope condition associated with a free-falling or obstructed condition of the conveyance, the activation system is triggered, causing each guide clamp assembly to self-lock onto a shaft guide. Upon further downward travel of the conveyance, the braking assemblies travel upwardly upon the brake paths, generating increasing braking forces in a controlled manner until the conveyance comes to a controlled stop. The safety brake is purely mechanical in nature, as there are no electronics, electro-mechanical controls or hydraulic systems involved.



SAFETY BRAKE DEVICE
(CONVEYANCE STRUCTURE MOSTLY HIDDEN FOR CLARITY)

21: 2019/08526. 22: 2019/12/20. 43: 2025/04/07
51: B01J
71: SYZYGY PLASMONICS INC.
72: KHATIWADA, Suman, BEST, Trevor William
33: US 31: 62/525,380 32: 2017-06-27
33: US 31: 62/525,301 32: 2017-06-27
33: US 31: 62/525,305 32: 2017-06-27
33: US 31: 62/586,675 32: 2017-11-15
54: PHOTOCATALYTIC REACTOR CELL
00: -
The present, disclosure relates generally to reactor cells comprising an enclosure and one or more plasmonic photocatalysts on a catalyst support disposed within the enclosure. In some embodiments of the disclosure, the enclosure is at least partially optically transparent.



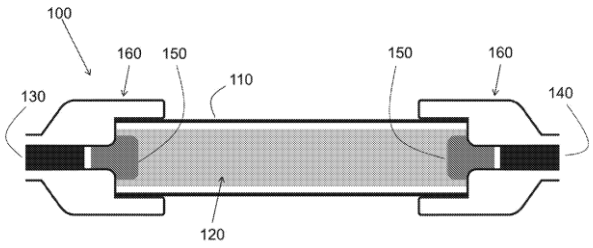
21: 2019/08527. 22: 2019/12/20. 43: 2025/04/07
51: B01J

71: SYZYGY PLASMONICS INC.
72: KHATIWADA, Suman, BEST, Trevor William
33: US 31: 62/525,305 32: 2017-06-27
33: US 31: 62/525,301 32: 2017-06-27
33: US 31: 62/525,380 32: 2017-06-27
33: US 31: 62/586,675 32: 2017-11-15

54: PHOTOCATALYTIC REACTOR HAVING MULTIPLE PHOTOCATALYTIC REACTOR CELLS

00: -

The present disclosure relates generally to reactor systems that include (a) a housing having an interior surface that may be at least partially reflective, (b) at least one reactor cell disposed within an interior of the housing, the at least one reactor cell including an enclosure and a plasmonic photocatalyst on a catalyst support disposed within the at least one enclosure, where the enclosure is optically transparent and includes at least one input for a reactant to enter the at least one cell and at least one output for a reformate to exit the at least one cell and (c) at least one light source disposed within the interior of the housing and/or external to the housing.

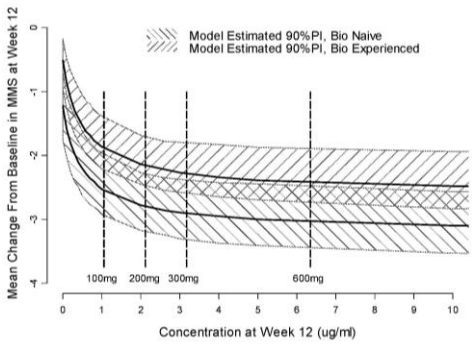


21: 2020/05388. 22: 2020/08/28. 43: 2025/03/24
51: A61K
71: Eli Lilly and Company
72: CANAVAN, James Benedict, FRIEDRICH, Stuart William, KRUEGER, Kathryn Ann, MILCH, Catherine, TUTTLE, Jay Lawrence
33: US 31: 62/650,314 32: 2018-03-30

54: METHODS OF TREATING ULCERATIVE COLITIS

00: -

The present invention generally relates to the treatment of ulcerative colitis with an anti-IL-23pl9 antibody, in particular dosage regimens for the treatment of the disease.



Abbreviations: PI = projection interval; Bio Naive = biologic-naive; Bio Experienced = biologic-experienced.

Note: Projection intervals are based on simulation of 500 replicated trials with an N = 500 each for biologic-naive and biologic-experienced patients. Vertical dashed lines represent the median expected Week 12 concentrations for fixed IV doses administered Q4W.

Figure 5: Model-simulated change in modified Mayo score at Week 12 versus Week 12 concentration of mirikizumab

21: 2020/05454. 22: 2020/09/01. 43: 2025/03/13
51: B65G; F15D; F16L
71: FLSmidth A/S
72: ECHEVERRI, Luis Fernando
33: US 31: 62/638,001 32: 2018-03-02

54: DEVICE FOR RESUSPENSION OF SOLIDS IN SLURRY PIPE TRANSPORT

00: -

An internal inclined sub-channel, or ramp device (24), for suspending and/or re-suspending solids within a pipeline system during transport of slurry may be provided to various components of the slurry transport system to control or reduce localized and severe wear that often occurs in slurry pumps. Embodiments of the ramp device (24) may be adequately configured to alter slurry multiphase flow patterns and/or disrupt traditional moving / sliding bed regime phenomena. Embodiments of the ramp device may be adequately configured to raise coarse abrasive particulates from bottom portions of a slurry pipe section - where a higher concentration and/or a larger presence of coarser particles may be present. Embodiments of the ramp device may be installed in proximity of and/or upstream of slurry pumps to prevent occurrences of severe localized wear at the inner diameter of the pump suction side wall around the bottom or 6 o'clock position.

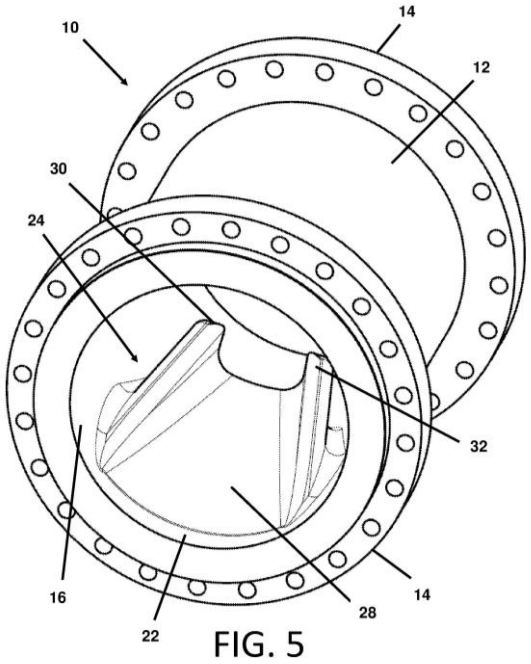
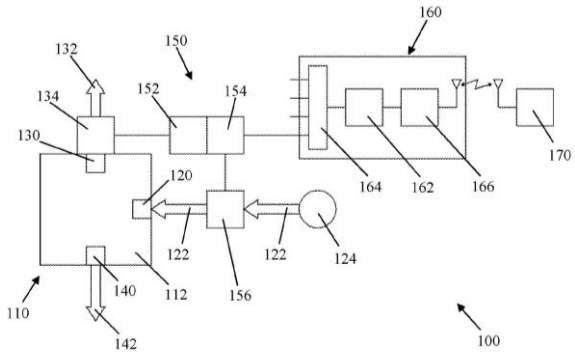
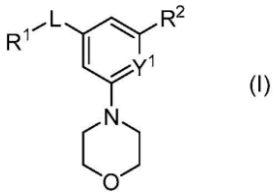


FIG. 5

21: 2020/05707. 22: 2020/09/14. 43: 2025/03/06
51: B01D; B04C; G01H; G01M
71: Vulco S.A.
72: PUTZ DE LA FUENTE, Eduardo
33: US 31: 62/643,659 32: 2018-03-15
54: HYDROCYCLONE MONITORING SYSTEM AND METHOD
00: -
Disclosed is a hydrocyclone monitoring system. The hydrocyclone monitoring system comprises a hydrocyclone comprising a separation chamber having an inlet for feeding an input mixture into the separation chamber and first and second outlets for ejecting flows of 5 respective first and second components of the mixture from the separation chamber. The hydrocyclone monitoring system further comprises a conduit and a sensor assembly. The conduit is connected to the first outlet and defines a channel for conducting the flow of the first component ejected from the separation chamber. The sensor assembly is configured to detect characteristics of the flow of the first component in the channel. The hydrocyclone 10 monitoring system further comprises a processing system configured to receive from the sensor assembly measurement data indicative of the characteristics of the flow of the first component, and to determine a mode of operation of the hydrocyclone based on the measurement data. Also disclosed is a method of monitoring a hydrocyclone.



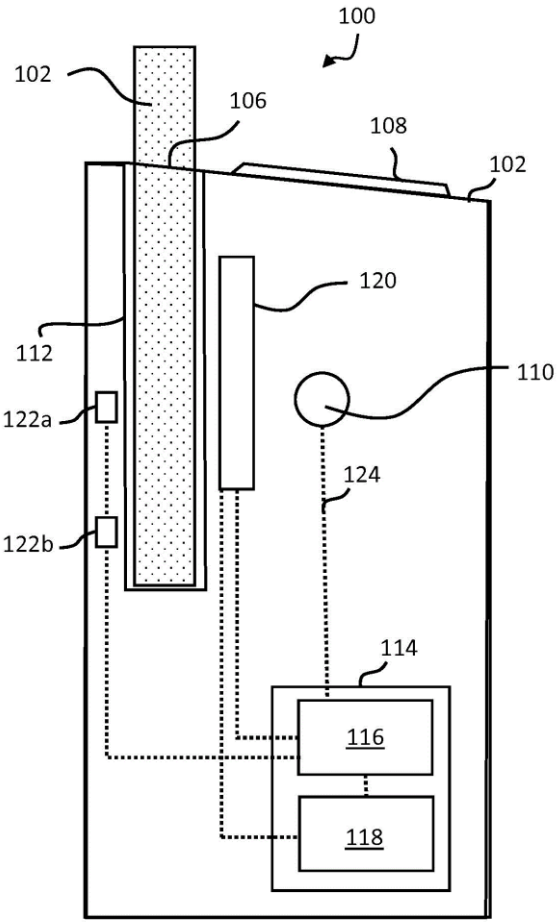
21: 2020/05899. 22: 2020/09/23. 43: 2025/03/06
51: A61K; A61P; C07D
71: Neuropore Therapies, Inc.
72: STOCKING, Emily M., WRASIDLO, Wolfgang J.
33: US 31: 62/655,723 32: 2018-04-10
54: MORPHOLINE DERIVATES AS INHIBITORS OF VPS34
00: -
The present disclosure relates to thiazole- or diathiazole- substituted aryl and heteroaryl compounds (I), pharmaceutical compositions containing them, and methods of using them, including treatment of disorders or disease related to regulation of the Vps34/ PI3K III signaling pathway.



(I)

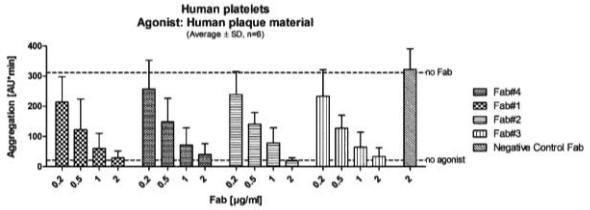
21: 2020/05977. 22: 2020/09/28. 43: 2025/03/06
51: A24F; A61M
71: Nicoventures Trading Limited
72: MOLONEY, Patrick, CHAN, Justin Han Yang, KORUS, Anton
33: GB 31: 1805258.9 32: 2018-03-29
54: APPARATUS FOR GENERATING AEROSOL FROM AN AEROSOLISABLE MEDIUM, AN ARTICLE OF AEROSOLISABLE MEDIUM AND A METHOD OF DETERMINING A PARAMETER OF AN ARTICLE
00: -
An apparatus for generating aerosol from an aerosolisable medium is disclosed. The apparatus comprises: a housing; a chamber for receiving an

article comprising aerosolisable medium and including a marker; and a controller. The controller is configured to receive: a first input indicative of a rate of movement of the article, received in use, in the chamber; and a second input indicative of a parameter of said article. At least the second input is determined based on the marker.



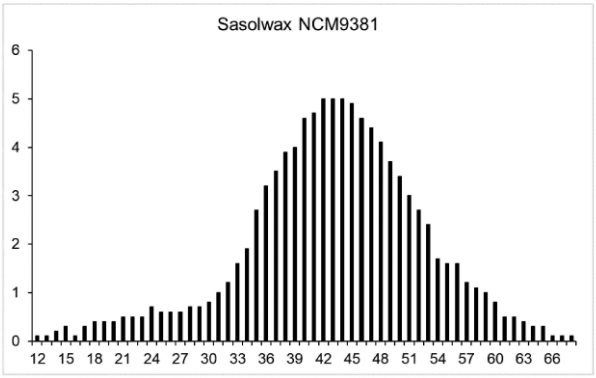
21: 2020/06121. 22: 2020/10/02. 43: 2025/03/24
51: A61K; A61P; C07K
71: F. Hoffmann-La Roche AG
72: KLEIN, Christian, UMANA, Pablo, HAAS, Alexander, WEISER, Barbara, LIPSMEIER, Florian, GEORGES, Guy, FENN, Sebastian, MOELLEKEN, Joerg, BORMANN, Felix, MATSCHEKO, Daniela
33: US 31: 62/658,468 32: 2018-04-16
54: ANTIBODIES FOR CHELATED RADIONUCLIDES
00: -
The present application relates to antibodies which bind specifically to chelated radionuclides, including bispecific antibodies. It further relates to the use of such bispecific antibodies in applications such as radioimmunoimaging and radioimmunotherapy. It additionally relates to clearing agents and compositions useful in such methods. The chelated radionuclides may be a DOTAM-lead (Pb) chelate.

21: 2020/06216. 22: 2020/10/07. 43: 2025/03/05
51: A61K; A61P; C07K
71: MorphoSys AG
72: UHLAND, Kerstin, NEUGEBAUER, Julia, RUNZ, Steffen
33: EP(DE) 31: 18172736.3 32: 2018-05-16
54: ANTIBODIES TARGETING GLYCOPROTEIN VI
00: -
The present disclosure provides antibodies or antibody fragments specific for GPVI. In particular, it relates to antibodies or antibody fragments that have combined beneficial properties and are therefore useful for the treatment or prophylaxis of GPVI related disorders or conditions, such as for example thrombotic or vascular disorders.

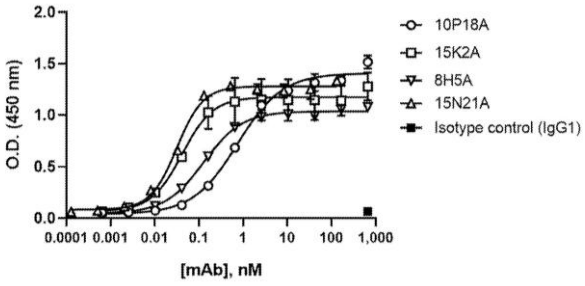


21: 2020/06286. 22: 2020/10/09. 43: 2025/03/06
51: C08L
71: Sasol Wax GmbH
72: MEYER, Gernot, BEHRMANN, Ingo
33: EP(DE) 31: 18174386.5 32: 2018-05-25
54: WAX COMPOSITION COMPRISING LINEAR HYDROCARBONS, BRANCHED HYDROCARBONS AND OXIDIZED HYDROCARBONS, AQUEOUS DISPERSION THEREOF, METHOD TO PRODUCE SUCH WAX COMPOSITION AND DISPERSION AND USE THEREOF AS CARNAUBA WAX REPLACEMENT
00: -
The invention relates to a wax composition comprising linear hydrocarbons, branched hydrocarbons and oxidized hydrocarbons, wherein the composition is characterized by a congealing point from 68° C to 110° C, an acid number in the range of 3 to 30 mg KOH/g, a saponification number of 20 to 90 mg KOH/g and a needle penetration at 25° C of below 15 1/10 mm. The invention further

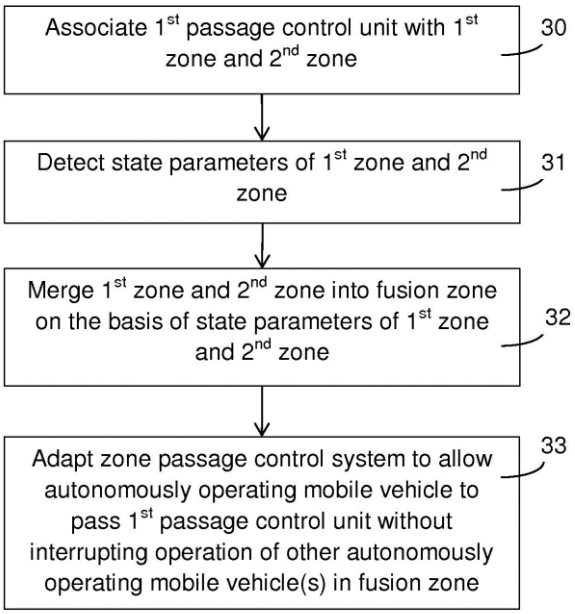
relates to an aqueous dispersion comprising the wax composition and a method of manufacture of both the wax composition and the dispersion. The wax composition can be used to fully or partially substitute Carnauba wax or Candelilla wax.



21: 2020/06318. 22: 2020/10/12. 43: 2025/03/05
51: A61K; A61P
71: Phanes Therapeutics, Inc.
72: WANG, Minghan, ZOU, Hui, JIA, Haiqun
33: US 31: 62/668,427 32: 2018-05-08
54: ANTI-DLL3 ANTIBODIES AND USES THEREOF
00: -
Anti-DLL3 antibodies and antigen-binding fragments thereof, anti-CD47 antibodies and antigen-binding fragments thereof, and anti-CD47/DLL3 bispecific antibodies and antigen-binding fragments thereof are described. Also described are nucleic acids encoding the antibodies, compositions comprising the antibodies, and methods of producing the antibodies and using the antibodies for treating or preventing diseases, such as cancer and/or associated complications.

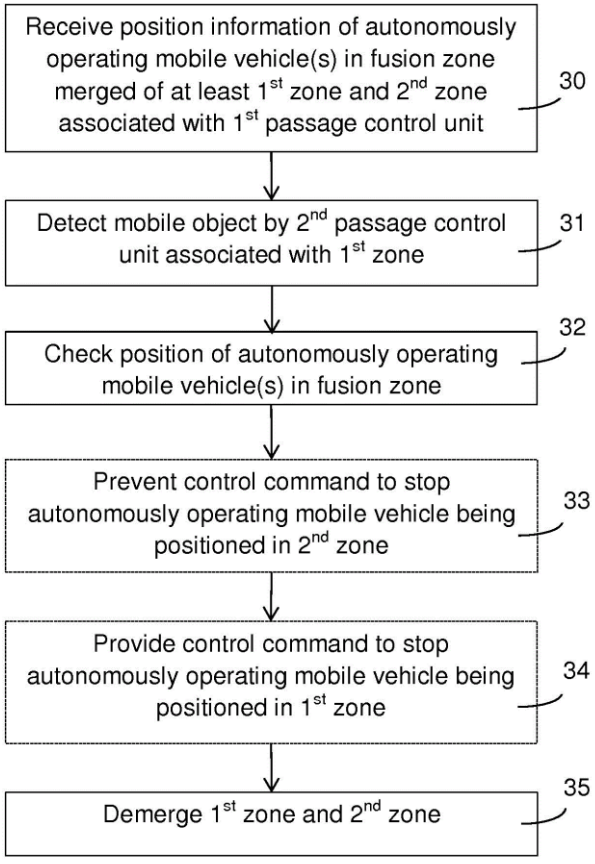


21: 2020/06343. 22: 2020/10/13. 43: 2025/03/06
51: G05D
71: Sandvik Mining and Construction Oy
72: KALLIO, Janne, LEHTINEN, Antti, RUOKOJÄRVI, Jarkko
54: ZONE PASSAGE CONTROL IN WORKSITE
00: -
According to an example aspect of the present invention, there is provided a method for a zone passage control system for an underground worksite comprising a plurality of operation zones for autonomously operating mobile vehicle operations, comprising: associating a first passage control unit with a first zone and a second zone, detecting state parameter information of the first zone and the second zone, merging the first zone and the second zone into a fusion zone on the basis of the state parameter information of the first zone and the second zone, and adapting the zone passage control system to allow a first autonomously operating mobile vehicle to pass the first passage control unit in the fusion zone without interrupting operation of a second autonomously operating mobile vehicle in the first zone and/or the second zone.



21: 2020/06442. 22: 2020/10/16. 43: 2025/03/06
51: G05D
71: Sandvik Mining and Construction Oy
72: RUOKOJÄRVI, Jarkko, LEHTINEN, Antti, KALLIO, Janne
54: ZONE PASSAGE CONTROL IN WORKSITE
00: -

According to an example aspect of the present invention, there is provided a method for zone passage control in an underground worksite comprising a plurality of operation zones for autonomously operating mobile vehicle operations, the method comprising: receiving position information of at least one autonomously operating mobile vehicle in a fusion zone merged of at least a first zone and a second zone associated with a first passage control unit, and in response to detecting a mobile object by a second passage control unit associated with the first zone, performing: checking position of the at least one autonomously operating mobile vehicle, in response to an autonomously operating mobile vehicle being positioned in the second zone, preventing a control command to stop the autonomously operating mobile vehicle in the second zone, and demerging the first zone and the second zone.



21: 2020/06963. 22: 2020/11/09. 43: 2025/03/05
51: A61K; A61P; C07D
71: Bayer Pharma Aktiengesellschaft
72: LOBELL, Mario, SCHIROK, Hartmut, TERSTEEGEN, Adrian
33: EP(DE) 31: 18166490.5 32: 2018-04-10

54: A SUBSTITUTED OXOPYRIDINE DERIVATIVE

00: -

The invention relates to 5-({6-amino-2-[4-(5-chloro-2-cyanophenyl)-5-methoxy-2-oxopyridin-1(2/7)-yl]-3-mcthylhcxanoyl}amino)pyrazolo[1,5-c/]pyridinc-3-carboxamide, to processes for its preparation, to its use for the treatment and/or prophylaxis of diseases and to its use for the preparation of medicaments for the treatment and/or prophylaxis of diseases, in particular cardiovascular disorders, preferably thrombotic or thromboembolic disorders, and edemas, and also ophthalmic disorders, and its use to inhibit disturbing plasma kallikrein activity for the conduct of extracorporeal procedures and analytical assays.

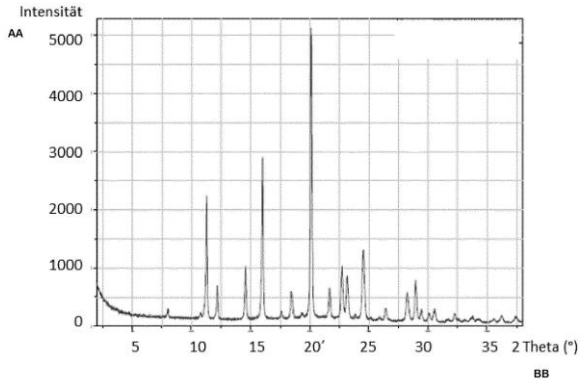
21: 2020/07060. 22: 2020/11/12. 43: 2025/03/13
51: A01N; A01P
71: Bayer Aktiengesellschaft
72: EGGER, Holger, FISCHER, Reiner, ZUMSANDE, Laura
33: EP(DE) 31: 18167264.3 32: 2018-04-13

54: SOLID FORMULATION OF INSECTICIDAL MIXTURES

00: -

The invention relates to solid formulations (in particular water-soluble granulates (SG)) of tetramic acid derivatives that have an insecticidal effect, to a method for the preparation thereof and to their use for the application of the contained active ingredients, in particular for drip & drench applications.

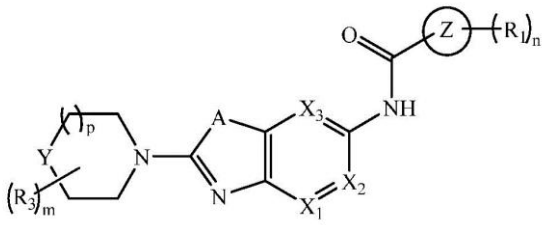
Fig. 1: Röntgenbeugungsmuster von I-2 (Mod. A) CC



AA Intensity
BB 2 Theta (°)
CC Fig. 1: X-ray diffraction pattern of I-2 (Mod. A)

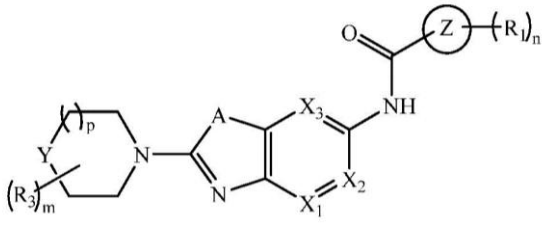
21: 2020/07162. 22: 2020/11/17. 43: 2025/03/20
51: A61K; A61P
71: Eli Lilly and Company
72: CORVARI, Vincent John, MINIE, Christopher Sears, MISHRA, Dinesh Shyandeo, QIAN, Ken Kangyi
33: US 31: 62/688,632 32: 2018-06-22
54: GIP/GLP1 AGONIST COMPOSITIONS
00: -
A composition of tirzepatide, comprising an agent selected from NaCl and propylene glycol; and dibasic sodium phosphate is provided.

21: 2020/07275. 22: 2020/11/23. 43: 2025/03/03
51: A61K; C07D
71: Aurigene Oncology Limited
72: GUMMADI, Venkateshwar Rao, SAMAJDAR, Susanta
33: IN 31: 158/CHE/2014 32: 2014-01-13
54: BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS
00: -
The present invention provides bicyclic heterocyclyl kinase enzyme inhibitor compounds of formula (I), which are therapeutically useful as kinase inhibitors, particularly IRAK4 inhibitors. wherein A, Y, Z, X_1, X_2, X_3, R_1, R_3, 'm', 'n' and 'p' have the meanings given in the specification and pharmaceutically acceptable salt or stereoisomer thereof that are useful in the treatment and prevention of diseases or disorder, in particular their use in diseases or disorder mediated by kinase enzyme, particularly IRAK4 enzyme. The present invention also provides pharmaceutical composition comprising at least one of the compounds of compound of formula (I) together with a pharmaceutically acceptable carrier, diluent or excipient therefor.



(I)

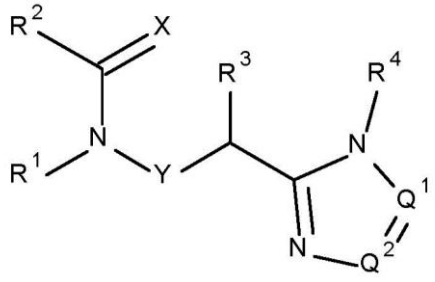
21: 2020/07276. 22: 2020/11/23. 43: 2025/03/03
51: A61K; C07D
71: Aurigene Oncology Limited
72: GUMMADI, Venkateshwar Rao, SAMAJDAR, Susanta
33: IN 31: 158/CHE/2014 32: 2014-01-13
54: BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS
00: -
The present invention provides bicyclic heterocyclyl kinase enzyme inhibitor compounds of formula (I), which are therapeutically useful as kinase inhibitors, particularly IRAK4 inhibitors. wherein A, Y, Z, X_1, X_2, X_3, R_1, R_3, 'm', 'n' and 'p' have the meanings given in the specification and pharmaceutically acceptable salt or stereoisomer thereof that are useful in the treatment and prevention of diseases or disorder, in particular their use in diseases or disorder mediated by kinase enzyme, particularly IRAK4 enzyme. The present invention also provides pharmaceutical composition comprising at least one of the compounds of compound of formula (I) together with a pharmaceutically acceptable carrier, diluent or excipient therefor.



(I)

21: 2020/07309. 22: 2020/11/24. 43: 2025/03/05
51: A01N; A01P; A61K; A61P; C07D
71: Bayer Aktiengesellschaft
72: ARLT, Alexander, HALLENBACH, Werner, SCHWARZ, Hans-Georg, FÜßLEIN, Martin, WROBLOWSKY, Heinz-Juergen, BUSCATO ARSEQUELL, Estella, LINKA, Marc, ILG, Kerstin, DAMIJONAITIS, Arunas Jonas, EBBINGHAUS-KINTSCHER, Ulrich, GÖRGENS, Ulrich, CANCHO GRANDE, Yolanda, JESCHKE, Peter, TELSER, Joachim, HEISLER, Iring, TURBERG, Andreas
33: EP(DE) 31: 18169333.4 32: 2018-04-25
54: NOVEL HETEROARYL-TRIAZOLE AND HETEROARYL-TETRAZOLE COMPOUNDS AS PESTICIDES
00: -

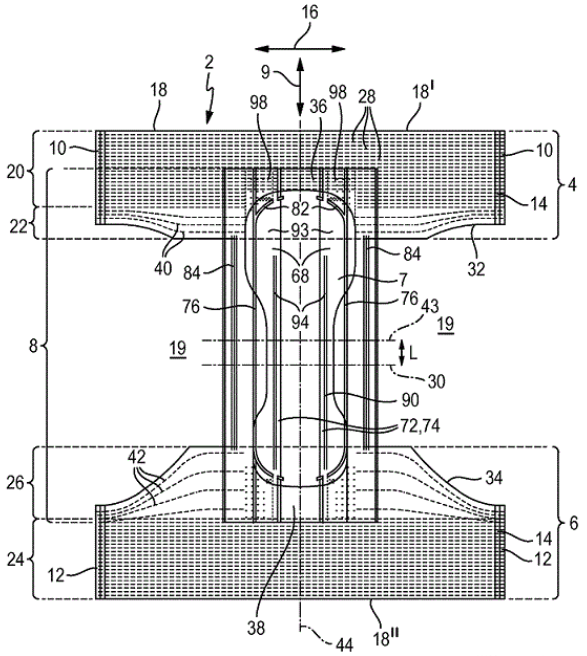
The present invention relates to novel heteroaryl-triazole and heteroaryl-tetrazole compounds of the general formula (I), in which the structural elements Y, Q^1, Q^2, R^1, R^2, R^3, R^4 and R^5 have the meaning given in the description, to formulations and compositions comprising such compounds and for their use in the control of animal pests including arthropods and insects in plant protection and to their use for control of ectoparasites on animals.



(I)

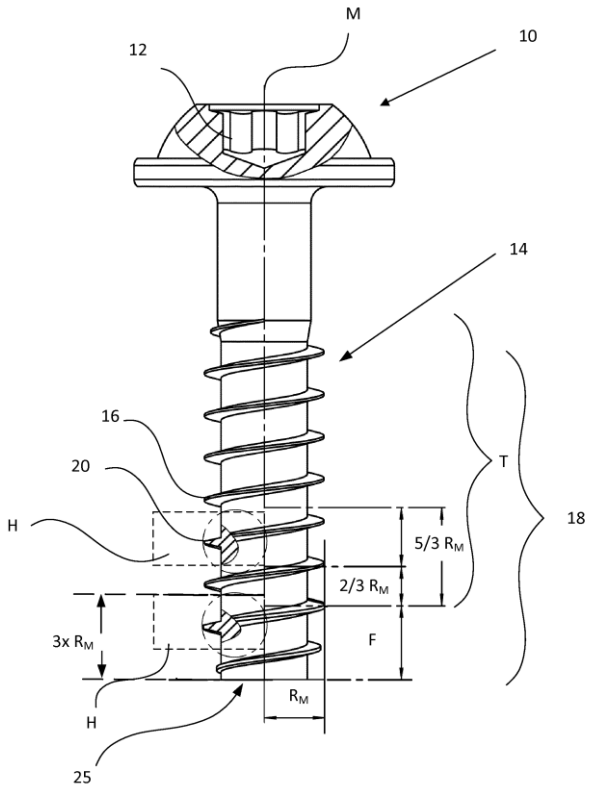
21: 2020/07604. 22: 2020/12/07. 43: 2025/04/07
51: A61K; B22F
71: NANOGAP SUB-NM-POWDER, S.A.
72: BUCETA FERNÁNDEZ, David, DOMÍNGUEZ PUENTE, Fernando, LÓPEZ QUINTELA, Manuel Arturo
33: EP 31: 18177210.4 32: 2018-06-12
54: METHODS OF PREPARING PURIFIED ATOMIC QUANTUM CLUSTERS
00: -
The invention relates to methods of purifying atomic quantum clusters, in particular those consisting of 3 or fewer zero-valent metal atoms. The invention also relates to compositions and uses of such compositions, for the treatment of cell proliferative disorders.

21: 2020/07817. 22: 2020/12/15. 43: 2025/03/24
51: A61F
71: PAUL HARTMANN AG
72: BUCH, Tamara, EILERS, Jörg, KESSELMEIER, Rüdiger, BEYRLE, Andreas, ROHRBACHER, Agnes, SCHMIDT, Ann-Cathrin
33: DE 31: 10 2018 112 119.9 32: 2018-05-18
54: INCONTINENCE ARTICLE IN THE FORM OF BRIEFS
00: -
The invention relates to an incontinence article (2) in the form of briefs, comprising a front stomach portion (4) and a rear back portion (6) spaced apart from each other in a longitudinal direction (9), and comprising a crotch portion (8) having an absorption body (7), the crotch portion (8) having cuff elements (68), which form a lateral leakage barrier on both sides, extend on both slides along the longitudinal extent of the absorption body (7), are fastened to the side of the article (2) facing the body, at least along a cuff base line (76), and have an unfastened free longitudinal edge (74), which is elasticated at least in some parts in the longitudinal direction, characterized in that the unfastened free longitudinal edge (74) of each of the two cuff elements (68) has, toward the front stomach portion (4), a non-elasticated free longitudinal edge end portion (93), the longitudinal extent C1 of which is at least 12% of a longitudinal extent C2 of the unfastened free longitudinal end (74) of the cuff elements (68) in the product half extending from the transverse center axis (30) of the incontinence article (2) to the stomach portion (4).

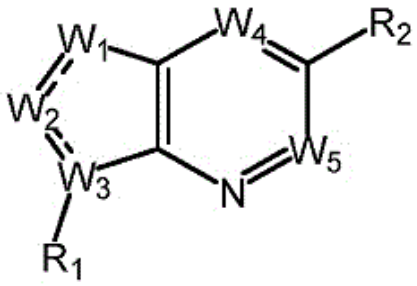


21: 2020/07888. 22: 2020/12/17. 43: 2025/04/07
51: F16B
71: EJOT SE & CO. KG
72: ACHENBACH, Michael, BIRKELBACH, Ralf, DIECKMANN, Volker, DRATSCHMIDT, Frank, HELLMIG, Ralph J., SELIMI, Ilir, WEITZEL, Stephan, HACKLER, Jan, BEHLE, Juergen, GERBER, René
33: DE 31: 10 2018 114 984.0 32: 2018-06-21
54: SCREW FOR SCREWING INTO PLASTIC
00: -
The invention relates to a screw (10) in order to cut a mating thread in a plastic article, comprising a lower threaded part (F) and an upper threaded part (T), the lower threaded part having a larger diameter and its

tip covering a larger surface than the upper threaded part.



21: 2021/00208. 22: 2021/01/12. 43: 2025/03/06
51: C07D; A61P; A61K
71: PTC THERAPEUTICS, INC.
72: SYDORENKO, NADIYA, ALAM, MD RAUFUL, ARNOLD, MICHAEL A, BABU, SURESH, BHATTACHARYYA, ANURADHA, CHEN, GUANGMING, GERASYUTO, ALEKSEY I, KARP, GARY MITCHELL, KASSICK, ANDREW J, MAZZOTTI, ANTHONY R, MOON, YOUNG-CHOON, NARASIMHAN, JANA, PATEL, JIGAR, TURPOFF, ANTHONY, WOLL, MATTHEW G, YAN, WUMING, ZHANG, NANJING
33: US 31: 62/690,653 32: 2018-06-27
54: HETEROCYCLIC AND HETEROARYL COMPOUNDS FOR TREATING HUNTINGTON'S DISEASE
00: -
The present description relates to compounds, forms, and pharmaceutical compositions thereof and methods of using such compounds, forms, or compositions thereof for treating or ameliorating Huntington's disease. Formula (I). In particular, the present description relates to substituted bicyclic heterocyclic and heteroaryl compounds compounds of Formula (I), forms and pharmaceutical compositions thereof and methods of using such compounds, forms, or compositions thereof for treating or ameliorating Huntington's disease.



(I)

21: 2021/00211. 22: 2021/01/12. 43: 2025/03/04
51: A61K; C07C
71: PLIANT THERAPEUTICS, INC.
72: LEFTHERIS, KATERINA, REILLY, MAUREEN, FINKELSTEIN, DARREN, COOPER, NICOLE, BAILEY, CHRISTOPHER, CHA, JACOB
33: US 31: 62/690,939 32: 2018-06-27
54: AMINO ACID COMPOUNDS WITH UNBRANCHED LINKERS AND METHODS OF USE
00: -
The invention relates to compounds of formula (A): or a salt thereof, wherein R^1, R^2, R^{5a}, R^{5b}, R^{6a}, R^{6b}, R^{7a}, R^{7b}, R^{8a}, R^{8b}, R^{9a}, R^{9b}, R^{10a}, R^{10b}, R^{11a}, R^{11b}, R^{21}, n, and G are as described herein. Compounds of formula (I) and pharmaceutical compositions thereof are αvβ6 integrin inhibitors that are useful for treating fibrosis such, as idiopathic pulmonary fibrosis (IPF) and nonspecific interstitial pneumonia (NSIP).

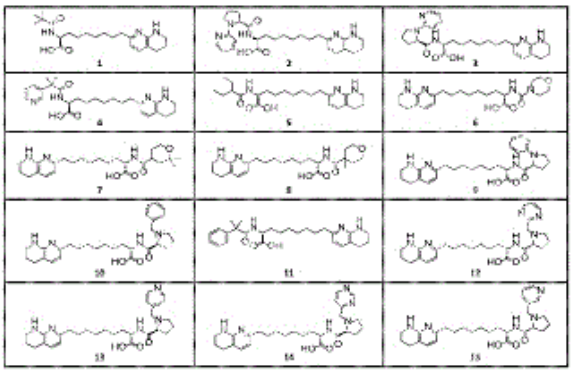
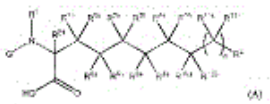
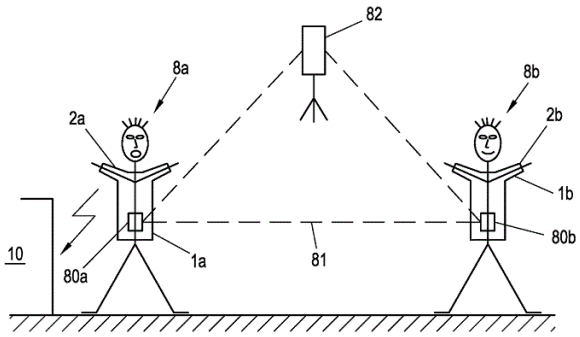


Fig. 1



21: 2021/00225. 22: 2021/01/13. 43: 2025/03/10
51: G08B H02H
71: ADAPTIVE REGELSYSTEME GESELLSCHAFT M.B.H.
72: KLAPPER, Ulrich
33: AT 31: A50512/2018 32: 2018-06-21
54: ASSEMBLY AND METHOD FOR INCREASING THE SAFETY OF A PERSON IN THE EVENT OF AN ELECTRICAL ACCIDENT
00: -
In order to increase the safety of a person in the region of an electrical system in relation to electric shocks when coming into contact with energised or live parts of the electrical system, according to the invention: the person wears a protective device for detecting an electrical current in the body, wherein there is also at least one other person in the vicinity of the person who has suffered an accident having a protective device or an external communications device, and a communications unit (80a) is provided on the protective device (1a) of the person (8a) who has suffered an accident; at least in the event of an electrical accident with an incorrect electrical current in the body detected by the protective device (1a), the protective device (1a) of the person (8a) who has suffered an accident establishes a communications link (81) between the communications unit (80a) of the protective device (1a) of the person (8a) who has suffered an accident and the protective device (1b) of the other person (8b), or between the communications unit (80a) of the protective device (1a) of the person (8a) who has suffered an accident and the external communications device (83b) of the other person (8b); and the protective device (1a) of the person (8a) who has suffered an accident informs the at least one other person (8b) about the electrical accident via the communications link (81).



21: 2021/00296. 22: 2021/01/15. 43: 2025/03/04
51: G01N
71: INCYTE CORPORATION
72: ENDELL, JAN, WINDERLICH, MARK, BOXHAMMER, RAINER
33: EP 31: 16171885.3 32: 2016-05-30
54: METHODS FOR PREDICTING THERAPEUTIC BENEFIT OF ANTI-CD19 THERAPY IN PATIENTS
00: -
The present disclosure is directed to a method of identifying a subject having chronic lymphocytic leukemia (CLL), non-Hodgkin's lymphoma (NHL), small lymphocytic lymphoma (SLL) or acute lymphoblastic leukemia (ALL) that is responsive to treatment with an anti-CD19 antibody, said method comprising: a) providing a blood sample obtained from said subject prior to treatment with said anti-CD19 antibody, b) determining the level of at least one biomarker in said sample selected from the group consisting of: i) peripheral NK cell count, and ii) CD16 expression levels on peripheral NK cells, c) comparing the level of said at least one biomarker in said sample to a predetermined cut off level, wherein levels of said at least one biomarker at or above the predetermined cut off level is indicative of a subject who would benefit from treatment with an anti-CD19 antibody. The present disclosure is also directed to a method for selecting a patient for treatment according to the above and to the use of an anti-CD19 antibody for the treatment of such a patient.

21: 2021/00321. 22: 2021/01/15. 43: 2025/03/04

51: C07K; A61K; A61P; C12N; C12P
71: NATIONAL UNIVERSITY CORPORATION KOBE UNIVERSITY, DAIICHI SANKYO COMPANY, LIMITED
72: MATOZAKI, TAKASHI, SUE, MAYUMI, NAKAMURA, KENSUKE, YOSHIMURA, CHIGUSA
33: JP 31: 2018-131116 32: 2018-07-10

54: Anti-SIRPα Antibody

00: -

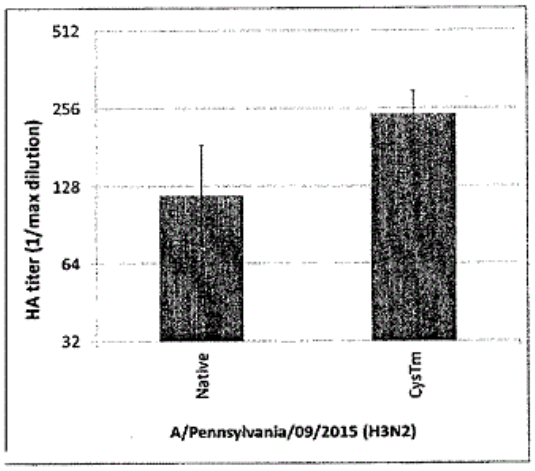
The present invention addresses the problem of providing: an anti-SIRPα antibody which can be used as a tumor agent; and an anti-tumor agent containing the antibody as an active ingredient. The present invention is an antibody capable of binding specifically to human SIRPα to inhibit the binding between human SIRPα and CD47, the antibody containing (a) a light-chain CDRL1 comprising the amino acid sequence represented by SEQ ID NO: 1, (b) a light-chain CDRL2 comprising the amino acid sequence represented by SEQ ID NO: 2, (c) a light-chain CDRL3 comprising the amino acid sequence represented by SEQ ID NO: 3, (d) a heavy-chain CDRH1 comprising the amino acid sequence represented by SEQ ID NO: 4, (e) a heavy-chain CDRH2 comprising the amino acid sequence represented by SEQ ID NO: 5 and (f) a heavy-chain CDRH3 comprising the amino acid sequence represented by SEQ ID NO: 6, wherein a heavy-chain constant region is a heavy-chain constant region of human IgG4, and an phenylalanine residue at position-234, a leucine residue at position-235 and a serine residue at position-228, as numbered according to the EU index as in Kabat et. al., are substituted by an alanine residue, an alanine residue and a proline residue, respectively.

21: 2021/00386. 22: 2021/01/19. 43: 2025/03/14
51: C12N A01H A61K A61P C07K
71: ARAMIS BIOTECHNOLOGIES INC.
72: LAVOIE, Pierre-Olivier, LORIN, Aurélien, DOUCET, Alain, D'AOUST, Marc-André, COUTURE, Manon
33: US 31: 62/690,780 32: 2018-06-27

54: INFLUENZA VIRUS HEMAGGLUTININ MUTANTS

00: -

The present invention relates to the production of modified influenza viral proteins in plants. More specifically, the present invention relates to producing and increasing influenza virus-like particle (VLP) production in plants, wherein the VLPs comprise the modified influenza viral proteins, such as modified influenza hemagglutinin (HA). The HA protein may comprising an amino acid sequence comprising at least one substitution when compared to a corresponding wildtype amino acid sequence. Further provided are nucleic acid encoding the modified HA protein. Furthermore methods of producing an influenza virus like particle (VLP) and methods of increasing yield of production of an influenza virus like particle (VLP) in a plant, portion of a plant, or a plant cell, are also provided.

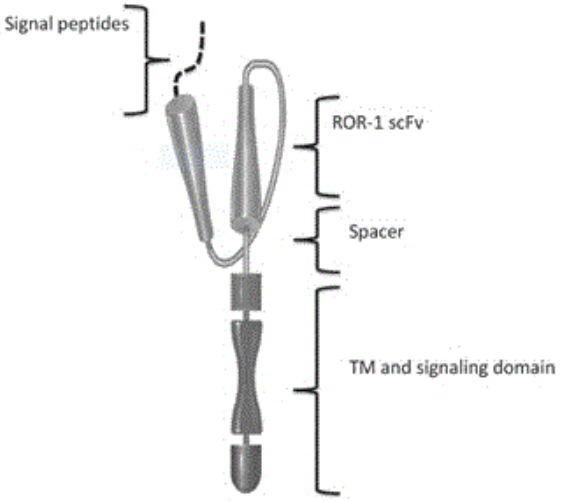


21: 2021/00391. 22: 2021/01/19. 43: 2025/03/04
51: A61K; A61P; C07K; C12N
71: PRECIGEN, INC.
72: SHAH, RUTUL R, CHEN, CHANGHUNG, BOLINGER, CHERYL G, KURELLA, VINODHBABU, WESA, AMY
33: US 31: 62/696,075 32: 2018-07-10

54: ROR-1 SPECIFIC CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF

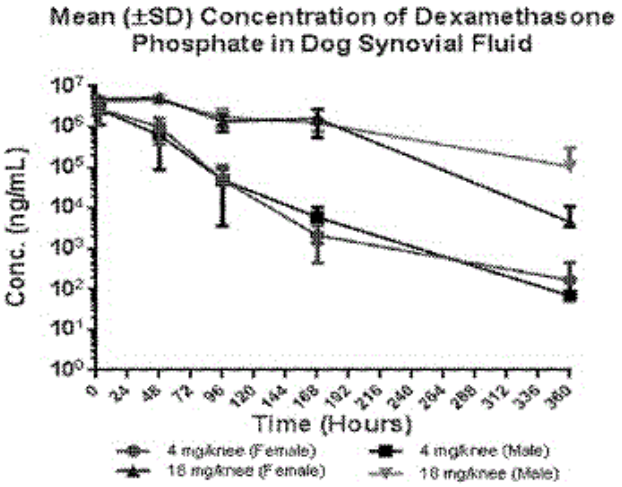
00: -

Provided herein are chimeric antigen receptors (CARs) for cancer therapy, and more particularly, CARs containing a scFv from an anti-ROR-1 monoclonal antibody. Provided are immune effector cells containing such CARs, and methods of treating proliferative disorders.



21: 2021/00569. 22: 2021/01/26. 43: 2025/03/04
51: A61P; A61K
71: MEDRX CO., LTD.
72: ISHIBASHI, MASAKI, HAMAMOTO, HIDETOSHI
33: JP 31: 2019-082678 32: 2019-04-24
33: JP 31: 2019-122757 32: 2019-07-01
54: LIDOCAINE-CONTAINING PATCH
00: -
The present invention provides a patch preparation comprising lidocaine or a salt thereof, lactic acid, and a hydroxy acid having 4 to 6 carbon atoms, wherein the amount of lactic acid is 0.6 to 1.2 moles per mole of lidocaine or a salt thereof with high safety which can continuously produce the therapeutic effect of lidocaine for a long time by adjusting the skin penetration rate of lidocaine to a proper range when applied to the skin and also show the similar bioequivalence to the existing preparations comprising lidocaine even when high concentration of lidocaine is used.

21: 2021/00604. 22: 2021/01/27. 43: 2025/03/04
51: A61K; A61P
71: TAIWAN LIPOSOME CO. LTD., TLC BIOPHARMACEUTICALS, INC.
72: SHIH, SHEUE-FANG, CHANG, PO-CHUN, WU, MING-JU
33: US 31: 62/839,231 32: 2019-04-26
33: US 31: 62/695,763 32: 2018-07-09
54: METHODS TO REDUCE COMPLICATIONS OF INTRA-ARTICULAR STEROID
00: -
Provided are methods of treating joint pain, comprising administering to a subject in need of joint pain treatment an effective amount of a pharmaceutical composition comprising a lipid mixture comprising one or more lipids; and an effective amount of an intra-articular steroid or a pharmaceutically acceptable salt thereof, wherein the therapeutic efficacy of the intra-articular steroid is sustained but the side effects associated with the intra-articular steroid are reduced.



21: 2021/00619. 22: 2021/01/28. 43: 2025/03/04
51: C03B
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: FAYERWEATHER, CARL L, GAERKE, DALE A, ROTH, ROBERT
33: US 31: 15/879,233 32: 2018-01-24
54: SYSTEM FOR PREHEATING GLASS MELTING FURNACE BATCH MATERIALS
00: -
A system for preheating batch materials prior to delivery to a glass melting furnace. The system comprises a preheater configured to receive unheated batch materials and to deliver heated batch materials. The preheater includes an outlet configured to exhaust fluid from the preheater and an inlet configured to receive exhaust fluid from the glass melting furnace and exhaust fluid recirculated from the outlet of the preheater. The system also includes (i) a fan configured to provide ambient air to a furnace flue, and (ii) a valve configured to control an amount of the ambient air to the furnace flue. The system further includes (i) a temperature sensor configured to sense temperature of exhaust gases in the furnace flue, and (ii) a temperature controller

configured to control the valve and the fan responsive to the temperature sensed by the temperature sensor.

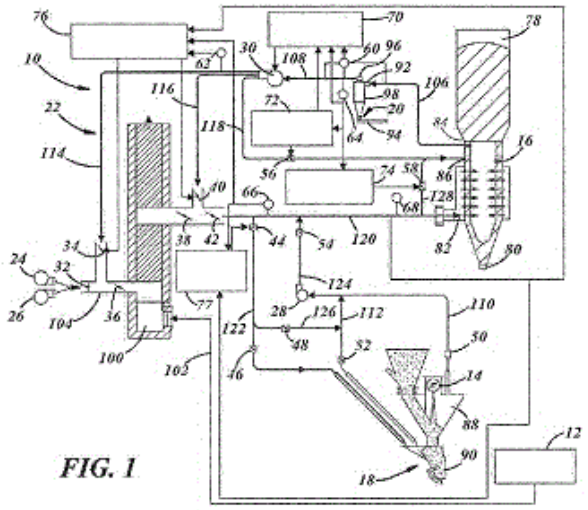


FIG. 1

21: 2021/00629. 22: 2021/01/28. 43: 2025/03/04
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: DONG, WENYAN, GU, YEYI, WANG, LIN, ZHAO, NA
33: EP 31: 18193686.5 32: 2018-09-11
33: CN 31: PCT/CN2018/098520 32: 2018-08-03
54: SKIN CARE COMPOSITION
00: -
Disclosed is a skin care composition comprising 0.0001 to 10% of phospholipid by weight of the composition, porous particle and silicone elastomer.

21: 2021/00761. 22: 2021/02/03. 43: 2025/03/25
51: A61K; A61P
71: VAXCYTE, INC.
72: FAIRMAN, JEFFERY, HEINRICHS, JON, CHAN, WEI
33: US 31: 62/693,981 32: 2018-07-04
54: IMPROVEMENTS IN IMMUNOGENIC CONJUGATES
00: -
The present application discloses various improvements concerning immunogenic conjugates which comprise a carrier polypeptide and a saccharide antigen, wherein the saccharide antigen is covalently bonded to the carrier polypeptide via a non-natural amino acid residue therein.

21: 2021/00860. 22: 2021/02/08. 43: 2025/03/25
51: G07D; B65H; G07F
71: SUZOHAPP CANADA ULC, SCAN COIN AB
72: RABINOVICH, PAVEL, SOTNIKOV, ANTON, RUSAKOV, YURIY
33: SE 31: 1850874-7 32: 2018-07-10
54: A DEVICE, AN APPARATUS AND A METHOD FOR DIRECTING BANK NOTES
00: -
A note directing device (1) comprises a first note feeder (11), a brushed roller (2), and a second note feeder(12); wherein: the first note feeder(11) feeds the bank note(10)along a direction (A) tangential to a bank note (10) surface and presents the leading edge (14) of the bank note (10) to the brushed roller (2);the brushed roller (2) engages with the bank note (10) and rotates in a direction (B) such that the leading edge (14) is directed towards the second note feeder(12); the second note feeder(12) accepts the leading edge (14) and feeds the bank note (10) along a direction(C) tangential to a bank note(10) surface;wherein the brushed roller (2) comprises an axis (4) and bristles (6), each bristle (6) being attached at one end to the axis (4) and extending radially from said axis(4), the distribution of bristles (6) extending along a longitudinal direction(E)of the axis(4).

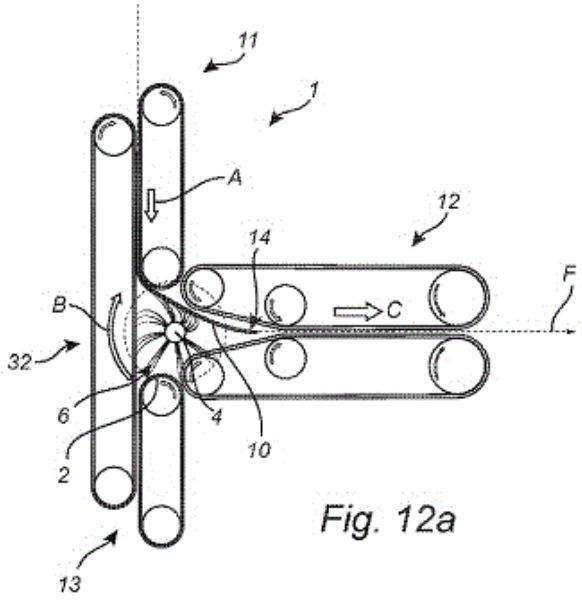


Fig. 12a

21: 2021/00886. 22: 2021/02/09. 43: 2025/03/25
51: A61K
71: OMNISPIRANT LIMITED
72: MCCAULEY, GERARD BERNARD

33: EP 31: 18188591.4 32: 2018-08-10
33: EP 31: 19154302.4 32: 2019-01-29
54: EXTRACELLULAR VESICLES FOR INHALATION
00: -
Vesicles, including exosomes, having a coating of a hydrophilic, neutral polymer such a PEG have an increased ability to form a suspension or colloid compared to uncoated vesicles. This enables the coated vesicles to be used to form aerosol droplets such that a liquid formulation containing vesicles can be used in a nebulizer for inhaled administration thereof. Such coated vesicles are also able to pass through mucus and can deliver their cargo into lung cells. Exosomes from mesenchymal stem cells can deliver additional proteins, miRs, mRNAs and other nucleic acid sequences to lung cells providing a regenerative gene therapy for CF, COPD lung cancer and other lung diseases.

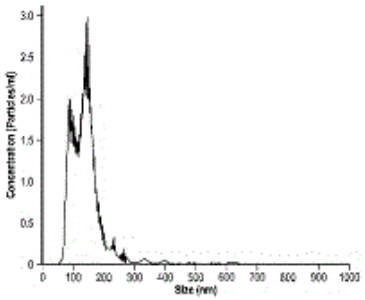


FIG. 1A

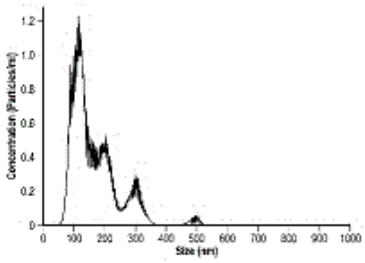
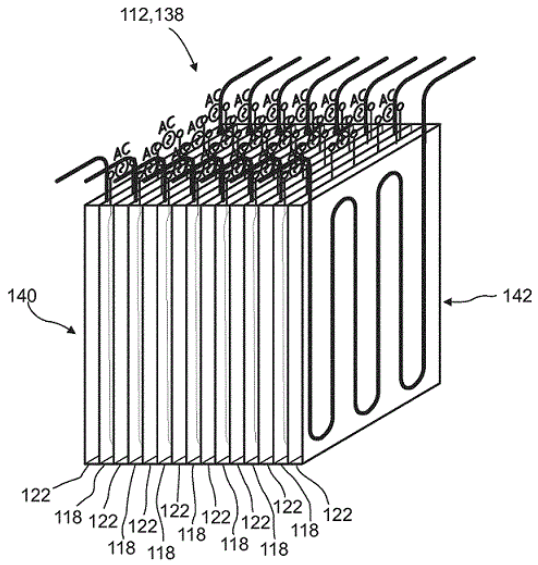
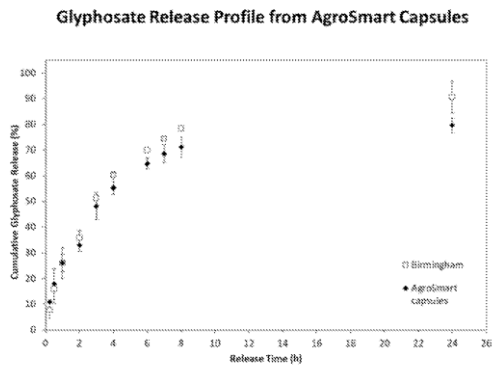


FIG. 1B

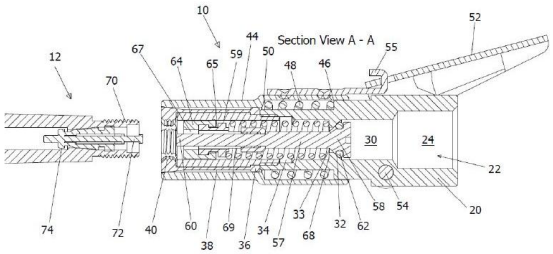
21: 2021/01693. 22: 2021/03/12. 43: 2025/03/17
51: H05B F16L
71: BASF SE
72: WECK, Alexander, LAIB, Heinrich
33: EP 31: 18189369.4 32: 2018-08-16
54: DEVICE AND METHOD FOR HEATING A FLUID IN A PIPELINE
00: -
The invention relates to a device (112) for heating a fluid. The device (112) comprises: at least one electrically conductive pipeline (120) for receiving the fluid; at least one electrically conductive coil (110); at least one alternating voltage source (114), which is connected to the coil (110) and is designed to apply an alternating voltage to the coil (110). The coil (110) is designed to generate at least one electromagnetic field as a result of the application of the alternating voltage. The pipeline (120) and the coil (110) are arranged in such a way that the electromagnetic field of the coil (110) induces an electric current in the pipeline (120), which electric current heats the pipeline (120) by Joule heat in order to heat the fluid, which Joule heat arises as the electric current passes through conductive pipe material.



21: 2021/05017. 22: 2021/07/16. 43: 2025/05/08
51: A01N; A01P
71: PANGAEA AGROCHEMICALS LIMITED
72: HAIGH, Graham
33: GB 31: 1821031.0 32: 2018-12-21
54: ENCAPSULATED PESTICIDE
00: -
A method for encapsulating a pesticide(for example glyphosate) includes the steps of (a) mixing a first biopolymer which is an alginate with a viscosity from 4 to 100 centipoise (a 1% aqueous solution at 20 centigrade) and a second biopolymer in solution, (b) adding the product of step (a) to a solution of pesticide, and (c) adding a surfactant to the product of step (b).

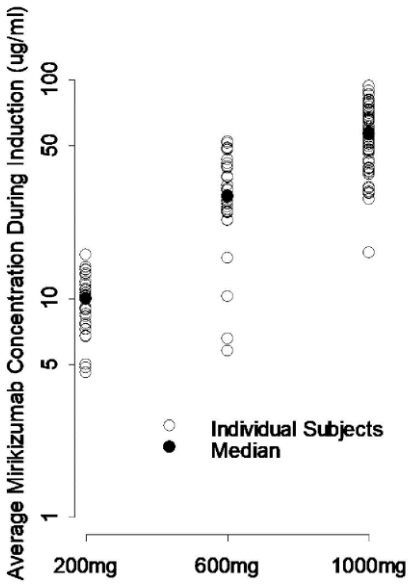


21: 2021/05495. 22: 2021/08/03. 43: 2025/03/14
51: B60C; F16K
71: GURTECH (PTY) LTD
72: LUSSO, Cary Donald
33: AU 31: 2020267180 32: 2020-11-10
54: AN AIR CHUCK
00: -
An air chuck (10) for facilitating the connection of a pneumatic hose with a threaded stem (70) of a tyre valve (12) includes a housing (20) with an air passage. The housing (20) includes an air inlet port connectable to the pneumatic hose, and an air outlet passage to receive the threaded stem of the tyre valve. A clamping member (36) is mounted externally about the outlet passage and includes a hollow tubular member, a front end portion of which terminates in a plurality of separate, radially deflectable fingers (38), a free end portion of each finger extending towards the discharge end of the outlet passage. The free end portions of each finger (38) define an aperture for receiving the threaded stem (70) of the tyre valve (12). The size of the aperture is variable by the movement of a sleeve (44), slidable over the body of the housing and the clamping member.



21: 2021/05831. 22: 2021/08/16. 43: 2025/04/23
51: C22B; H01M
71: EVER RESOURCE LIMITED, CAMBRIDGE ENTERPRISE LIMITED
72: FOX, Athan Lucian, YIAO, Marcel, LIU, ROBERT CHI YUNG, SELVARAJ, Vimalnath, KUMAR, Ramachandran Vasant
33: GB 31: 1900833.3 32: 2019-01-21
54: RECYCLING OF LEAD-CONTAINING WASTE
00: -
A method for recycling lead-containing waste comprises: (a) dissolving the lead-containing waste in an aqueous solution of a first acid to form a solution of a first lead salt; (b) adding a second acid to the solution of the first lead salt to form a lead-depleted solution and a precipitate of a second lead salt; and (c) converting the precipitate of the second lead salt into leady oxide, wherein the first lead salt has a higher solubility in water than the second lead salt. The method may be used for recycling spent lead-acid battery paste

21: 2021/08094. 22: 2021/10/21. 43: 2025/03/13
51: A61K; A61P
71: Eli Lilly and Company
72: FRIEDRICH, Stuart William, POLLACK, Paul Frederick, TUTTLE, Jay Lawrence
33: US 31: 62/836,910 32: 2019-04-22
54: MIRIKIZUMAB FOR USE IN A METHOD OF TREATING CROHN'S DISEASE
00: -
The present invention generally relates to the treatment of Crohns Disease with an anti-IL-23p19 antibody, particularly dosage regimens for the treatment of the disease.



Average serum concentrations of mirikizumab during the induction period in the study described in Example 1.

21: 2021/08256. 22: 2021/10/26. 43: 2025/03/05
51: E04G
71: PERI SE
72: ROUTH, Anibrata, KUNNATHALLY SOMASUNDARAM, Arun, CHALLA, Sitarama Rao Naga Venkata, DONGARE, Mahesh, RATHOD, Ankush, RAJU, Vinothkumar
33: IN 31: 201911018268 32: 2019-05-07
54: A WEDGE-CLIP CONNECTOR ASSEMBLY
00: -
A connector assembly (400) for connecting a pair of formwork panels (200) with each other is disclosed. The connector assembly (400) includes a base component (402) having an arm, a first opening (602) formed on the arm, and a locking portion (406) formed at an end of the arm and adapted to be removably inserted in a second opening formed by alignment of respective slots (204) of the pair of formwork panels (200). The connector assembly (400) further includes a handle component (404) adapted to be partially disposed in the base component (402) through the first opening (602) formed on the arm. The handle component (404) is adapted to be operated to rotate the arm such that the locking portion (406) is rotated within the first opening (602) to partially lock the base component (402) in the first opening (602) for connecting the pair of formwork panels (200).

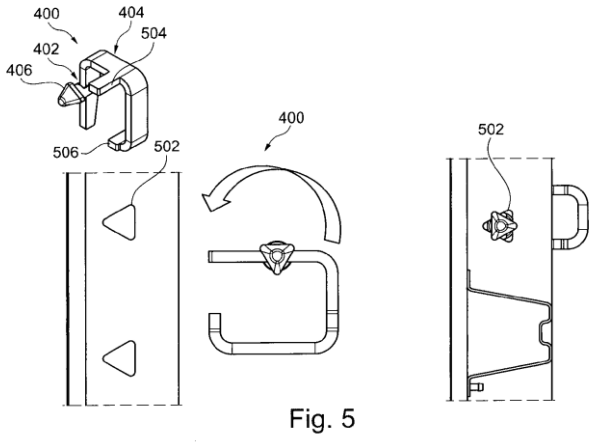
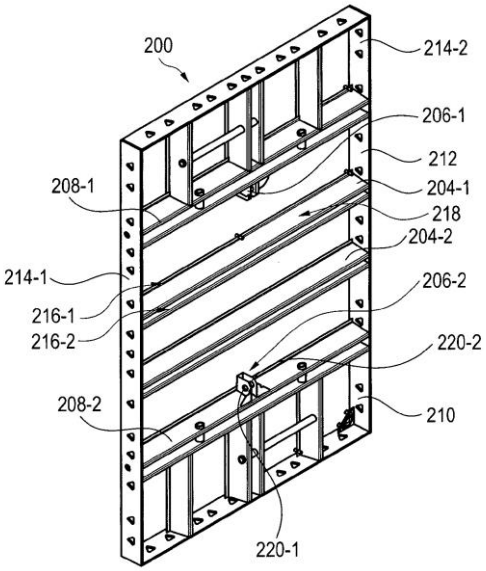


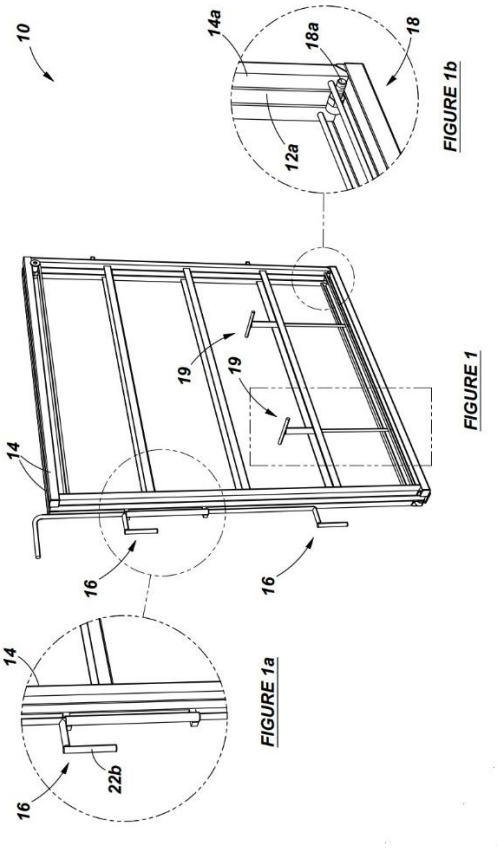
Fig. 5

21: 2021/08258. 22: 2021/10/26. 43: 2025/03/05
51: E04G
71: PERI SE
72: ROUTH, Anibrata, KUNNATHALLY SOMASUNDARAM, Arun, CHALLA, Sitarama Rao Naga Venkata, DONGARE, Mahesh, RATHOD, Ankush, RAJU, Vinothkumar
33: IN 31: 201911018268 32: 2019-05-07
54: IMPROVED FORMWORK PANEL
00: -
A frame (100) of a formwork panel (200) is disclosed. The frame (100) includes at least one stiffener profile (204) formed between two opposite edges (214) of the frame (100) and having a slanted profile. The at least one stiffener profile (204) includes a first edge (216-1) adjacent to a flat portion (202) of the formwork panel (200), and a second edge (216-2) distal from the first edge (216-1). A surface (218) of the at least one stiffener profile (204) is sloping outwards from the first edge (216-1) towards the second edge (216-2) to form the slanted profile.



21: 2021/09058. 22: 2021/11/15. 43: 2025/03/07
51: C12Q
71: GENFIT
72: MAJD, Zouher
33: EP 31: 19305496.2 32: 2019-04-16
54: COMPOSITIONS AND METHODS FOR THE STABILIZATION OF MICRO-RNA
00: -
The present invention relates to the stabilization of micro-RNA molecules. The compositions and methods described herein can advantageously be used for the provision of internal control and standard microRNAs for inclusion into kits, useful for the normalized, relative or absolute quantification of a microRNA in a biological fluid.

21: 2021/09565. 22: 2021/11/25. 43: 2024/11/15
51: E06B
71: DE BEER, JANNIE
72: DE BEER, Jannie
33: ZA 31: 2020/06364 32: 2020-10-14
54: A RETRACTABLE BARRIER
00: -
A retractable barrier which includes a first member 12, a second member 14 wherein the first and second members 12, 14 are laterally extendable relative to each other, and at least one connecting means 16 located on the second member 14 for allowing interconnection with any other suitable barrier 10a.



21: 2021/10481. 22: 2021/12/15. 43: 2025/04/07
51: B01J; B01L
71: ILLUMINA, INC.
72: HONG, Sahngki, BOWEN, M. Shane, KRAFT, Lewis J.
33: US 31: 62/951,780 32: 2019-12-20
54: FLOW CELLS
00: -
One example of a flow cell includes a base support and a multi-layer stack positioned over the base support. The multi-layer stack includes a resin layer positioned over the base support; and a hydrophobic layer positioned over the resin layer. A depression is defined in the multi-layer stack through the hydrophobic material and through a portion of the resin.

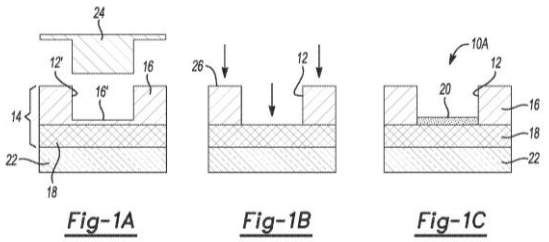
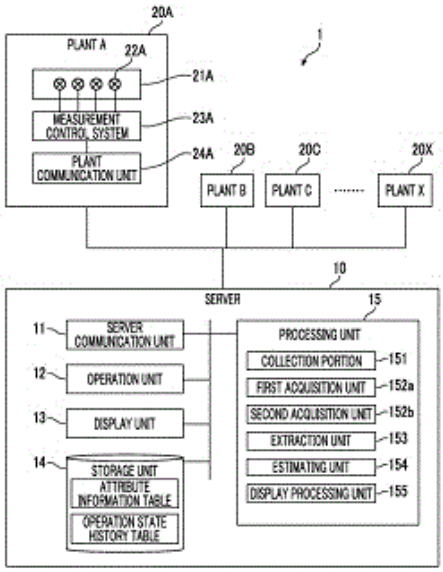


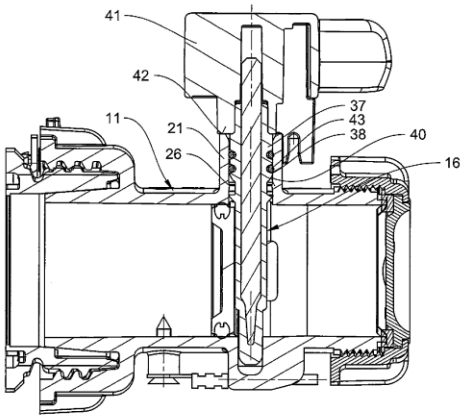
Fig-1A Fig-1B Fig-1C

21: 2021/10899. 22: 2021/12/23. 43: 2025/03/13
51: G05B
71: SUMITOMO HEAVY INDUSTRIES, LTD.
72: AKEDO, YUTAKA, KADOWAKI, MASANORI
33: JP 31: 2019-122012 32: 2019-06-28
54: PREDICTION SYSTEM
00: -
A prediction system includes a storage unit that stores a history of an operation state of each of a plurality of target devices and attribute information indicating an attribute of each of the plurality of target devices; a first acquisition unit that acquires an attribute information filter condition in which at least one attribute information included in attribute information of a prediction target device is specified; a second acquisition unit that acquires an operation state filter condition in which at least one operation state included in a history of an operation state of the prediction target device is specified; an extraction unit that extracts a history of an operation state of a target device satisfying the attribute information filter condition and the operation state filter condition of the plurality of target devices, with reference to the storage unit; and an estimating unit that predicts the operation state of the prediction target device based on the extracted history of the operation state.

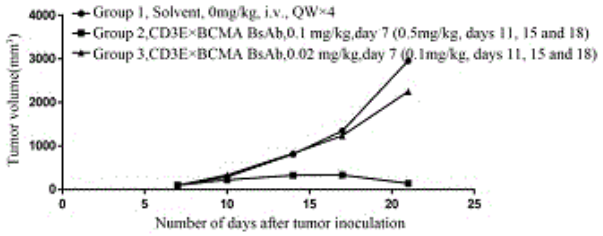


21: 2022/00164. 22: 2022/01/03. 43: 2025/04/16
51: B65D; B67D; F16K
71: PROTECHNA S.A.
72: SCHNEIDER, Sebastian, OBERMANN, Ernst
33: DE 31: 10 2019 118 534.3 32: 2019-07-09
54: VALVE SHAFT LOCKING MECHANISM
00: -
A tapping armature for liquid containers, in particular for being connected to the outlet port or the outlet opening of a transport and storage container for liquids, the tapping armature comprising an armature housing (11) in which a valve body pivotable by means of a valve shaft (16) and serving to open and close a flow cross section of an outlet tube is disposed, a connection end of the valve shaft (16) for being connected to the valve body being disposed in the outlet tube of the armature housing (11) and an operating end of the valve shaft (16) protruding from the armature housing (11) through a housing dome (21) formed on the armature housing (11). A form-fitting engagement is established between the housing dome (21) and a valve shaft portion housed in the housing dome (21) in order to axially secure the valve shaft (16) in the armature housing (11).

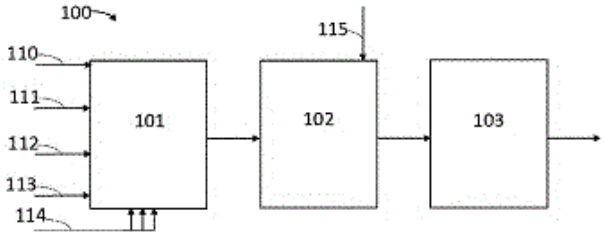
Fig. 4



21: 2022/00784. 22: 2022/01/17. 43: 2025/03/17
51: C07K; A61K; A61P
71: CHONGQING GENRIX BIOPHARMACEUTIAL CO., LTD.
72: LIU, ZHIGANG, WAN, SHUNAN, LIU, YULAN, HAO, XIAOBO, HU, JUNJIE, GUO, JINGJING
33: CN 31: 201910532734.7 32: 2019-06-19
54: ANTI-CD3E/BCMA BISPECIFIC ANTIBODY AND USE THEREOF
00: -
A bispecific antibody, which comprises an antigen-binding portion against human CD3E and/or an antigen-binding portion against human BCMA. Additionally, provided are medical and biological uses of the bispecific antibody.



21: 2022/01538. 22: 2022/02/03. 43: 2025/03/19
51: C05C
71: SABIC GLOBAL TECHNOLOGIES B.V.
72: BAG, NILKAMAL, SHARMA, YOGESH OMPRAKASH, AL-ROHILY, KHALID, KELLS, ANDREW GEORGE
33: US 31: 62/873,521 32: 2019-07-12
54: UREA PHOSPHATE CALCIUM SULFATE GRANULES AND METHODS FOR PRODUCING AND USING THE SAME
00: -
A urea phosphate calcium sulfate (UPCS) fertilizer granule and methods for making and using the same are disclosed. The granule can include urea phosphate and a urea-calcium sulfate (UCS) adduct. The granule can include 22 wt.% to 28 wt.% nitrogen (22 wt.% to 28 wt.% N), an amount of phosphorus equal to that provided by 5 wt.% to 10 wt.% P2O5 (5 wt.% to 10 wt.% P), 2 wt.% to 8 wt.% sulfur (2 wt.% to 8 wt.% S), and 5 wt.% to 11 wt.% calcium (5 wt.% to 11 wt.% Ca).



21: 2022/01571. 22: 2022/02/04. 43: 2025/03/25
51: C07K; C12N; A61K; A61P
71: SINOCELLTECH LTD.
72: XIE, LIANGZHI, LUO, CHUNXIA, ZHANG, WEI, SUO, XIAOYAN, PANG, LIN, HU, PING
33: CN 31: 201910657255.8 32: 2019-07-19
54: POLYVALENT IMMUNOGENICITY COMPOSITION FOR HUMAN PAPILLOMAVIRUS
00: -
Disclosed is a polyvalent human papillomavirus (HPV) immunogenicity composition for preventing disease or infections related to HPV. The polyvalent HPV immunogenicity composition contains: an HPV virus-like particle formed from assembling L1 proteins of HPV type 6, type 11, type 16, type 18, type 31, type 33, type 45, type 52, and type 58; and one or more HPV virus-like particles formed from assembling L1 proteins of other pathogenic HPV types. In one embodiment, the one or more other pathogenic HPV types are selected from HPV type 35, type 39, type 51, type 56, or type 59. In one embodiment, at least one of the described HPV virus-like particles is a chimeric HPV virus-like particle, the chimeric HPV virus-like particle containing one or more chimeric HPV L1 proteins.

21: 2022/01575. 22: 2022/02/04. 43: 2025/03/19
51: A61D; A01K
71: PENTY, EDWARD
72: PENTY, EDWARD
33: GB 31: 1912384.3 32: 2019-08-29
54: APPARATUS, SYSTEM AND METHOD FOR MONITORING A CONDITION

00: -
A monitoring apparatus (1) for monitoring of a condition state in a quadruped mammal is described, including at least a housing portion (3) comprising a plurality of motion sensors (11) disposed to sense movement in at least two degrees of freedom, a data capture module (17) to capture movement data generated by the motion sensors, a wireless transmitter module (17) to transmit captured data to a remotely located hub (21), and a power source (19) to provide electrical power; and an attachment portion (5) to engage the housing in a fixed orientation onto a surface of the body of an animal to be monitored, for example on the torso or neck. A mounting system including such an apparatus and a method of monitoring of a plurality of quadruped mammals to draw inferences in relation to a condition state using such an apparatus are also described.

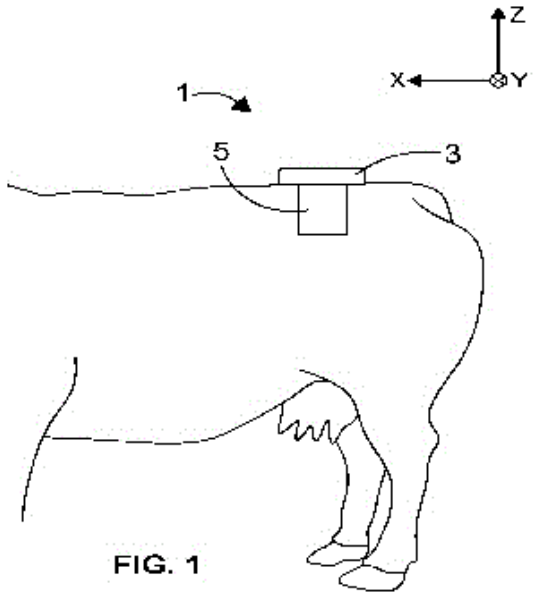
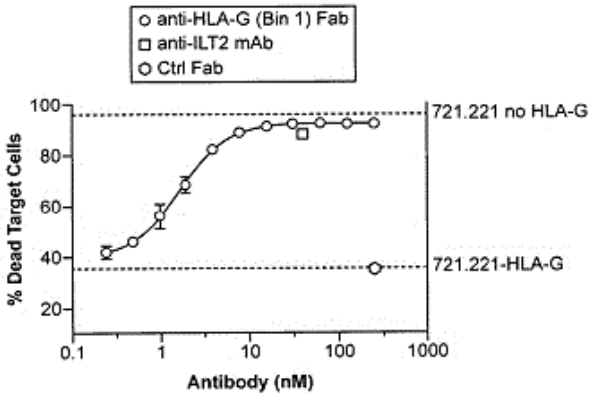


FIG. 1

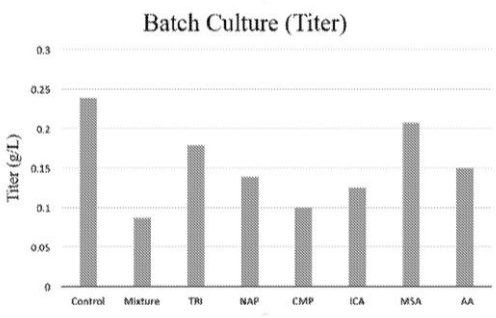
21: 2022/01721. 22: 2022/02/09. 43: 2025/03/19
51: A61K; A61P; B05B
71: BAUSCH HEALTH IRELAND LIMITED
72: BHATT, VARSHA, PILLAI, RADHAKRISHNAN, ANGEL, ARTURO
33: US 31: 62/881,836 32: 2019-08-01
54: TOPICAL COMPOSITIONS
00: -
The disclosure provides a topical gel formulation comprising 1-1.5 wt. % clindamycin phosphate, 2.5-3.5 wt.% benzoyl peroxide, and 0.1-0.2 wt.% adapalene, in combination with a gelling agent, a polyhydric alcohol, and water, useful in treating inflammatory skin conditions, including acne, together with methods of making and using the same.

21: 2022/01874. 22: 2022/02/14. 43: 2025/03/19
51: C07K; A61P
71: TIZONA THERAPEUTICS
72: BEERS, COURTNEY, CORBIN, JOHN, HODGES, DOUG, MOESTA, ACHIM, SOROS, VANESSA, WIDBOOM, PAUL FREDRICK, WARFIELD, JOSEPH ROBERT
33: US 31: 62/737,666 32: 2018-09-27
54: ANTI-HLA-G ANTIBODIES, COMPOSITIONS COMPRISING ANTI-HLA-G ANTIBODIES AND METHODS OF USING ANTI-HLA-G ANTIBODIES
00: -
Provided herein are antibodies that selectively bind to HLA-G and and compositions comprising the antibodies. Also provided are methods of using the antibodies, such as therapeutic and diagnostic methods.



21: 2022/01886. 22: 2022/02/14. 43: 2025/04/29
51: C12N
71: THE UNIVERSITY OF MASSACHUSETTS
72: YOON, Seongkyu, KUANG, Bingyu, GALBRAITH, Shaun
33: US 31: 62/886,683 32: 2019-08-14
54: CELL CULTURE METHODS
00: -
A method of cell culture includes (i) culturing cells in a cell culture medium, and (ii) maintaining at least one metabolite selected from aconitic acid (AA), leucinic acid (HICA), cytidine monophosphate (CMP), methylsuccinic acid (MSA), trigonelline (TRI) and N-acetylputrescinium (NAP) below an inhibitory

concentration in the cell culture medium for the at least one metabolite.



21: 2022/01894. 22: 2022/02/14. 43: 2025/03/19
51: A61L; C12N
71: VANARIX SA
72: TIENG, VANNARY
33: EP 31: 19191756.6 32: 2019-08-14
54: METHOD FOR IN VITRO PRODUCTION OF HYALINE CARTILAGE TISSUE
00: -
The present invention relates to a novel method for in vitro production of cartilage tissue, and to therapeutic uses and screening methods using the cartilage tissue thus produced.

21: 2022/01895. 22: 2022/02/14. 43: 2025/03/19
51: C07D; A61K; A61P
71: GLACEUM INC.
72: YOO, SANG KU, KIM, JI YOUNG, LEE, JUNG WOO, LIM, JEONG HO, KANG, KU SUK, KIM, JIN YOUNG
33: KR 31: 10-2019-0092711 32: 2019-07-30
54: METHOD FOR SYNTHESIZING 2-((6-(HYDROXYMETHYL)CHROMENE-5-YL)OXY)-1-PHENYLETHANONE DERIVATIVE
00: -
The present invention relates to a method for synthesizing a 2-((6-(hydroxymethyl)chromene-5-yl)oxy)-1-phenylethanone derivative. When the method is used, a 2-((6-(hydroxymethyl)chromene-5-yl)oxy)-1-phenylethanone derivative can be effectively synthesized.

21: 2022/01906. 22: 2022/02/14. 43: 2025/05/02
51: E04F
71: I4F LICENSING NV
72: PERRA, Antonio Giuseppe
54: FLOOR PANEL AND FLOOR
00: -
The present invention relates to a floor panel and to a floor. The floor panel according to the invention comprises a core provided with an upper and lower surface, and a first and second core flank at a first and second side of the core, respectively. The floor panel comprises a first coupling part and a second coupling part provided at the first side and the second side of the core, respectively. Each of the coupling parts comprises an inner side flank, an outer side flank, and an upper portion flank connecting the inner side flank to the outer side flank. According to the invention, a portion of the first core flank and an upper portion of the outer side flank of the second coupling part are inclined such that when the floor panel is coupled to an adjacently arranged further floor panel these upper portions lie against each other for the purpose of providing a locking in a vertical direction. In addition, a first upper portion flank of the tongue of the first coupling part comprises a curved recess and the groove of the second coupling part may comprise a bulge complimentary to the curved recess.

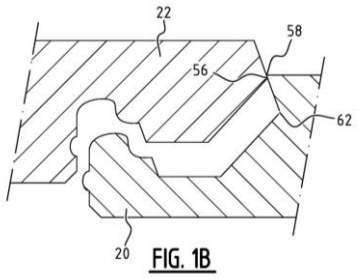
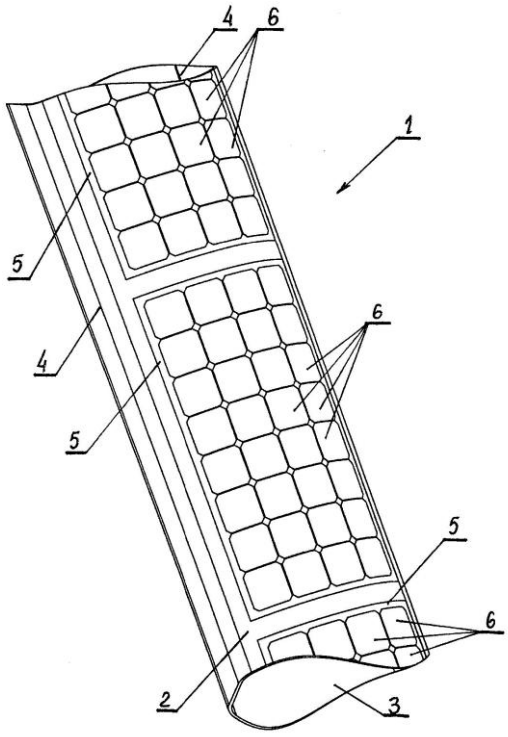


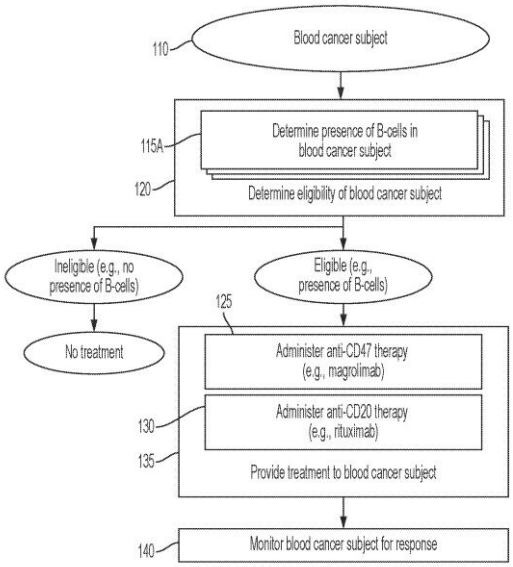
FIG. 1B

21: 2022/02029. 22: 2022/02/17. 43: 2025/05/05
51: B63B
71: SUNREEF VENTURE S.A.
72: VÉNEC, Loïc
54: STANDING RIGGING COMPONENT, IN PARTICULAR THE MAST OF A VESSEL, AND THE METHOD OF ITS MANUFACTURE
00: -
A standing rigging element, in particular a mast (1) of a vessel, is a closed profile. The halves (2, 3) of the closed profile are made of layers of structural textile saturated with an epoxy resin and have a shape corresponding to the shape of the future standing rigging element, after gluing. The mast (1) includes a layer of photovoltaic modules (5) as one of the laminate layers, with a flat set of flexible photovoltaic cells (6) on the outer surface. Cables collecting electricity from photovoltaic modules (5)

are routed from each photovoltaic module (5) to common collecting cables (7), connected to the electric power supply installation of the vessel. The photovoltaic module (5) includes layers of structural textile, wherein one of the layers is a layer (10) of flexible photovoltaic cells (6). A method of manufacture of the standing rigging element, in particular of mast (1), characterised in that both halves (2, 3) of the mast (1) are manufactured, with the halves (2, 3) are manufactured in a mould (15), from placed layers of structural textile saturated with epoxy resin and laminate curing is performed. A series of adjacent, layered photovoltaic modules (5) is placed in the mould (15) as one of the layers. Photovoltaic modules (5) are manufactured in a separate mould, from layers of structural textile, and cured photovoltaic modules (5) are embedded into the mast structure during formation of its halves (2, 3) as one of the laminate layers.

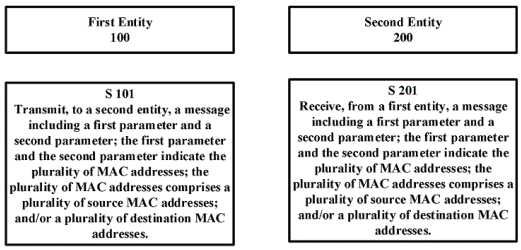


21: 2022/02797. 22: 2022/03/08. 43: 2025/04/01
51: C07K; G01N; A61P
71: FORTY SEVEN, LLC
72: CHAO, Mark Ping, MAUTE, Roy Louis, HUANG, Jie, TAKIMOTO, Chris Hidemi Mizufune, AGORAM, Balaji, WEISSMAN, Irving L.
33: US 31: 62/928,988 32: 2019-10-31
33: US 31: 63/031,418 32: 2020-05-28
54: ANTI-CD47 AND ANTI-CD20 BASED TREATMENT OF BLOOD CANCER
00: -
Methods are provided herein for determining the eligibility of a subject to receive a treatment based on a presence or absence of B- cells in the subject, and subsequently treating the eligible subject with the anti-CD47 treatment in combination with an additional agent such as an anti-CD20 antibody



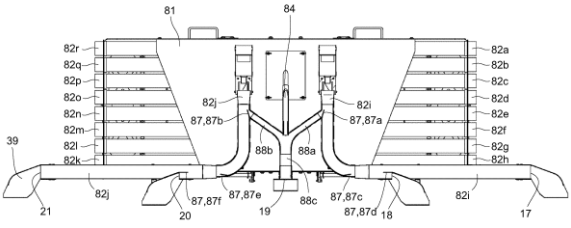
21: 2022/02869. 22: 2022/03/09. 43: 2025/03/26
51: H04L
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: XU, Wenliang, FERNANDEZ ALONSO, Susana, GARCIA AZORERO, Fuencisla, BIONDIC, Nevenka
33: CN 31: PCT/CN2019/101098 32: 2019-08-16
54: METHOD AND ENTITY FOR TRANSMITTING A PLURALITY OF MAC ADDRESSES
00: -
Embodiments of the present disclosure relates to a method and an entity for transmitting a plurality of media access control, MAC, addresses. A method performed at a first entity for transmitting a plurality of media access control, MAC, addresses, comprises: transmitting (S101), to a second entity, a message including a first parameter and a second parameter. The first parameter and the second parameter indicate the plurality of MAC addresses. The plurality of MAC addresses may comprise a

plurality of source MAC addresses; and/or a plurality of destination MAC addresses. According to embodiments of the present disclosure, a plurality of MAC addresses may be simultaneously transmitted among the nodes in the communication network, and thus the efficiency of the communication network may be further improved.



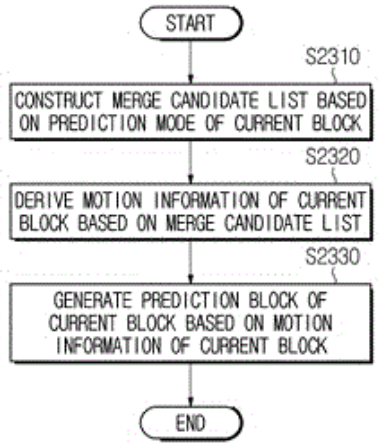
21: 2022/03252. 22: 2022/03/18. 43: 2025/04/29
51: B01J; B22F; C22C; B33Y
71: HERAEUS DEUTSCHLAND GMBH & CO. KG
72: BOLL, Willi, HUMM, Stephan, HUBERT, Peter, HIRSCHEL, Pascal
33: EP 31: 19204249.7 32: 2019-10-21
54: METHOD FOR PRODUCING A CATALYTIC CONVERTER SYSTEM FOR GAS REACTIONS
00: -
The invention relates to a method for producing a catalytic converter system for gas reactions comprising at least one precious metal sheet material having gas-permeable openings, comprising the steps: (1) providing at least one precious metal powder consisting of at least substantially spherical precious metal particles, and (2) repeatedly applying, layer by layer, the precious metal powder(s) provided in step (1) to a substrate in a construction space, followed in each case by an at least partial melting of the precious metal powder applied as a layer by means of high-energy radiation and allowing the melted precious metal powder to solidify as part of an additive manufacturing process, wherein the precious metal sheet material or each of the precious metal sheet materials having gas-permeable openings has an individual weight per area in the range from 25 to 2500 g/m2, wherein the precious metal particles of the precious metal powder(s) have a particle size distribution having a d10-value of # 5 µm and a d90-value of # 80 µm, and wherein the precious metal of the precious metal particles of the precious metal powder (s) is selected from the group consisting of precious metal alloys of platinum together with 1-15 wt% rhodium, platinum together with 2-15 wt% rhodium and 0.1-20 wt% palladium, platinum together with 2-15 wt% rhodium, 0.1-20 wt% palladium and 0.1-2 wt% ruthenium, platinum together with 2-15 wt% rhodium, 0.1-20 wt% palladium and 0.1-5 wt% iridium, palladium together with 3-15 wt% platinum, palladium together with 1-20 wt% platinum and 1-10 wt% rhodium, palladium together with 1-25 wt % tungsten, and palladium together with 1-15 wt% nickel.

21: 2022/03828. 22: 2022/04/04. 43: 2025/04/25
51: A01C
71: SALFORD GROUP INC
72: GRAY, Geof J, AVERINK, John Mark, BAKER, Bradley William, DYCK, Jesse Abram, PASMA, Chad Derek, GOVEIA, Simon, POPPE, Christopher Michael, STRAATMAN, Troy Michael, LEHMAN, Adam Peter
33: US 31: 62/908,132 32: 2019-09-30
54: AIR-BOOM SPREADER FOR PARTICULATE MATERIAL
00: -
An air-boom spreader has a hopper for containing particulate material, a metering device having a plurality of sluices, a plurality of outlets transversely spaced-apart on a boom in a direction perpendicular to the direction of travel of the spreader, and a plurality of air lines connecting the plurality of sluices to the plurality of outlets for conveying the particulate material in an air stream from the plurality of sluices to the plurality of outlets. The spreader has more than twice as many outlets as sluices, and the plurality of outlets has an innermost outlet, an outermost outlet and at least three other outlets between the innermost outlet and the outermost outlet whereby each of the innermost outlet and the outermost outlet are supplied with half as much of the particulate material as each of the at least three other outlets.

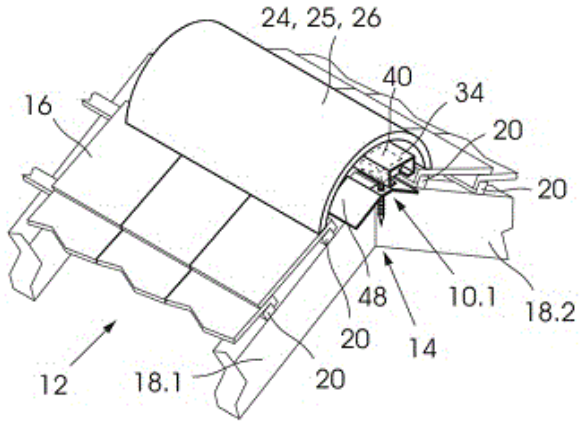


21: 2022/04754. 22: 2022/04/28. 43: 2025/04/29
51: A61P; C07K; A61K
71: REVOLUTION MEDICINES, INC.
72: KOLTUN, ELENA S, CREGG, JAMES, GILL, ADRIAN L, AGGEN, JAMES, BURNETT, G. LESLIE, PITZEN, JENNIFER, BUCKL, ANDREAS, KNOX, JOHN E, LIU, YANG
33: US 31: 63/011,636 32: 2020-04-17
33: US 31: 62/930,355 32: 2019-11-04
33: US 31: 63/000,357 32: 2020-03-26
33: US 31: 63/043,588 32: 2020-06-24
33: US 31: 62/951,652 32: 2019-12-20
54: RAS INHIBITORS
00: -
The disclosure features macrocyclic compounds, and pharmaceutical compositions and protein complexes thereof, capable of inhibiting Ras proteins, and their uses in the treatment of cancers.

21: 2022/07975. 22: 2022/07/18. 43: 2025/03/06
51: H04N
71: LG ELECTRONICS INC.
72: PARK, NAE RI, NAM, JUNG HAK, JANG, HYEONG MOON
33: US 31: 62/960,123 32: 2020-01-12
54: IMAGE ENCODING/DECODING METHOD AND APPARATUS, AND METHOD OF TRANSMITTING BITSTREAM USING SEQUENCE PARAMETER SET INCLUDING INFORMATION ON MAXIMUM NUMBER OF MERGE CANDIDATES
00: -
Provided are an image encoding/decoding method and apparatus. The image decoding method according to the present disclosure comprises the steps of: constructing a merge candidate list for a current block on the basis of a prediction mode of the current block; deriving motion information of the current block on the basis of the merge candidate list; and generating a prediction block of the current block on the basis of the motion information, wherein information on the maximum number of merge candidates included in the merge candidate list is obtained through a sequence parameter set, and when the prediction mode is a subblock-based merge mode, the maximum number of merge candidates may be determined on the basis of whether an affine mode is available for the current block.



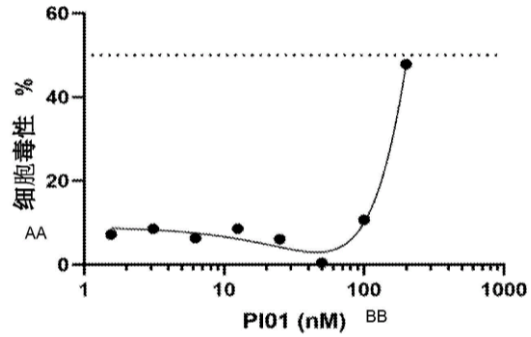
21: 2022/08318. 22: 2022/07/26. 43: 2025/03/07
51: E04D
71: TUCKER, ALLEN MICHAEL
72: TUCKER, ALLEN MICHAEL
33: ZA 31: 2021/05592 32: 2021-08-10
54: ROOF FIXING
00: -
A “dry” roof fixing (such as a ridge cap (24), a hip cap (78) or verge fixing (74)), “dry” roof fixing assembly (10), and a method of installing a “dry” roof fixing on a roof (12) of a building. The roof fixing assembly (10) comprises a roof fixing, in the form of an elongate member shaped operatively to span over a ridge, edge or hip of the roof and to overlay at least part of a roof covering (16). A support bracket (48) is operatively fixed to a structural part of the roof (12), while a connecting arrangement (40) extends between the roof fixing and the support bracket to connect the roof fixing to the support bracket.



21: 2022/09226. 22: 2022/08/17. 43: 2025/03/19
51: A61K; C07K

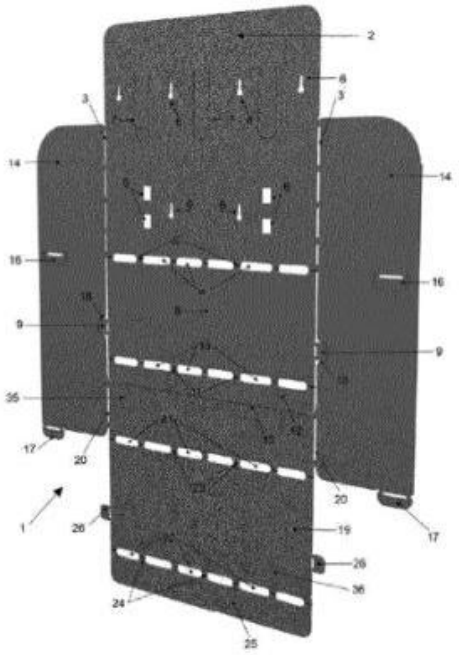
71: Ipsen Biopharm Limited
72: BINZ, Thomas, SIKORRA, Stefan
33: EP(GB) 31: 18153941.2 32: 2018-01-29
54: NON-NEURONAL SNARE-CLEAVING BOTULINUM NEUROTOXINS
00: -
The present invention provides a modified botulinum neurotoxin A (BoNT/A) L-chain protease that demonstrates enhanced cleaveage of human SNAP-23 (hSNAP-23) relative to unmodified (wild-type) BoNT/A L-chain protease, together with the use thereof for cleaving hSNAP-23.

21: 2022/10111. 22: 2022/09/12. 43: 2025/03/19
51: A61K; A61P
71: Nuo-Beta Pharmaceutical Technology (Shanghai) Co., Ltd., The First Affiliated Hospital, Zhejiang University School of Medicine
72: YAO, Hangping, HUANG, Fude, LI, Lanjuan, WANG, Wenan, CAO, Luxiang, JIAO, Changping, WU, Nanping, LU, Xiangyun
33: CN 31: 202010177429.3 32: 2020-03-13
54: ANTI-CORONAVIRUS EFFECT AND APPLICATION OF PI4K INHIBITOR
00: -
The use of phenylarsenic oxide and a derivative thereof in the prevention or treatment of coronavirus diseases, meanwhile also provided is the use of a PI4KIIIa specific inhibitor in the prevention or treatment of coronavirus diseases.



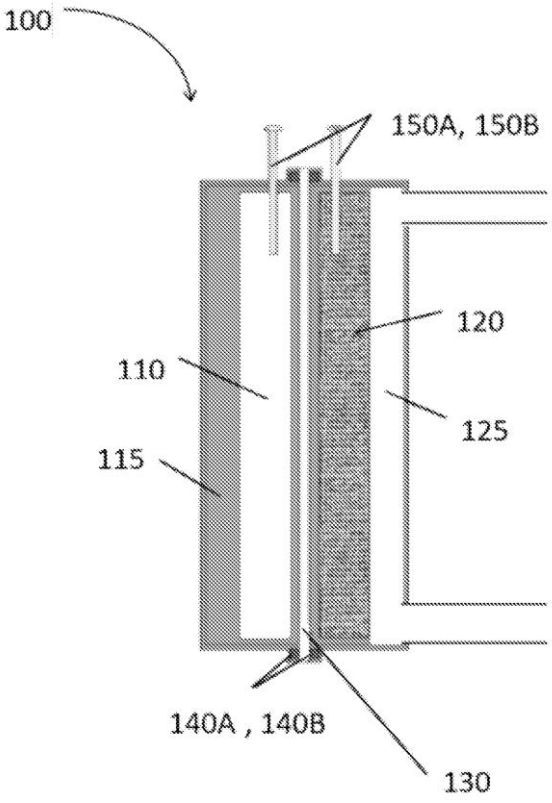
AA Cytotoxicity %
BB PI01 (nM)
图 1A

21: 2022/10301. 22: 2022/09/16. 43: 2025/03/19
51: A47B; A47F
71: MARIANO COLOMBO, PABLO BATTILANA
72: COLOMBO, Mariano, BATTILANA, Pablo
33: AR 31: P20200100442 32: 2020-02-17
54: SHEET FOR THE ASSEMBLY OF A DISPLAY SHELVING UNIT AND THE DISPLAY SHELVING THUS OBTAINED
00: -
A sheet for the assembly of a display shelving unit and the display shelving unit thus obtained, which, thanks to its structural simplicity can be assembled and disassembled for recycling in a practical, fast and easy way, since it is made of recycled materials which require fewer manufacturing processes, and which, because of its small volume, allows for the transportation of a larger number of units in the same shipment, thus significantly reducing the related costs.

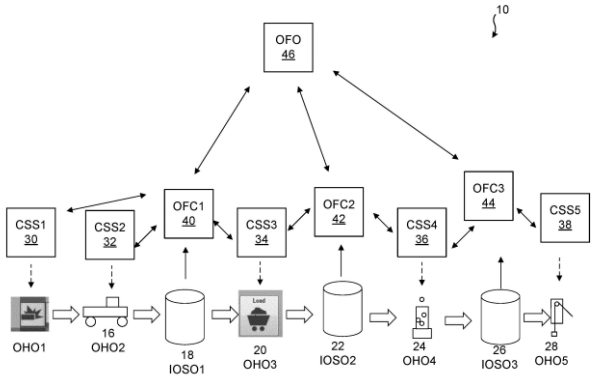


21: 2022/10304. 22: 2022/09/16. 43: 2025/04/29
51: C01B; C10G; C25C
71: ENLIGHTEN INNOVATIONS INC.
72: ROBINS, Mathew Richard, BHAVARAJU, Sai Venkata, FLINDERS, Roger Marc, HINKLIN, Thomas Ray, HUGHES, Steven William, MAKOWSKY, Mykola
33: US 31: 62/985,287 32: 2020-03-04
54: PRODUCTION OF SODIUM METAL BY DUAL TEMPERATURE ELECTROLYSIS PROCESSES
00: -

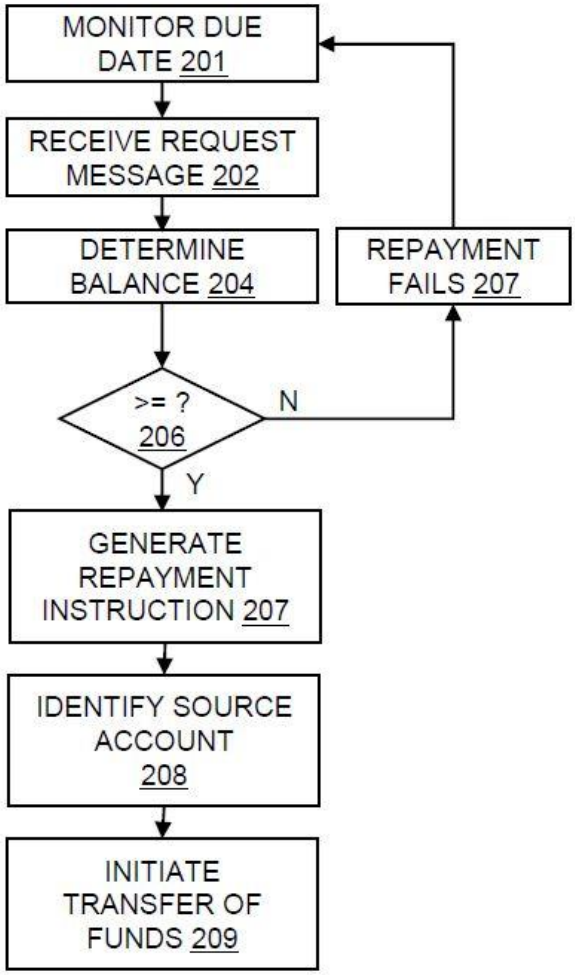
New dual temperature electrochemical methods and systems for the production of sodium metal from sodium polysulfides have been discovered. The technology provides high conductivity for sodium ions and extended service life for the electrochemical cell.



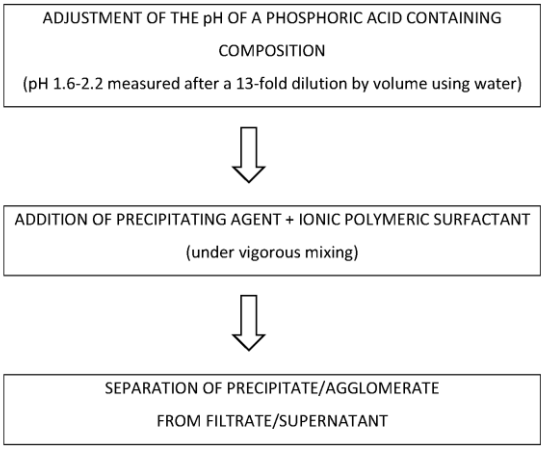
21: 2022/10368. 22: 2022/09/19. 43: 2025/03/19
51: G05B; G06Q
71: ABB Schweiz AG
72: MISHCHENKO, Kateryna, GARCIA-GABIN, Winston, FEYZMAHDAVIAN, Hamid
33: EP(CH) 31: 20167628.5 32: 2020-04-01
54: ORE FLOW OPTIMIZATION
00: -
An ore flow control system (10) for controlling ore flow in a mine comprises a number of ore control subsystems (30, 32, 34, 36, 38), one or more ore flow coordinators (40, 42, 44) and an ore flow optimizer (46), where an ore flow coordinator (40) coordinates ore flow between operations controlled by two subsystems. The ore flow optimizer (46) obtains input data and output data of each subsystem (30, 32, 34, 36, 38), which input data comprises a planned amount of ore to be handled in an operation controlled by the subsystem and the output data comprises an actual amount of ore being handled by the operation controlled by the subsystem, processes the input and output data, determines targets to be met by each of the subsystems and ore flow coordinators based on the processing and transmits the targets to the subsystems and ore flow coordinators, while the subsystems (30, 32, 34, 36, 38) control the corresponding operations for reaching the targets.



21: 2022/11138. 22: 2022/10/11. 43: 2025/04/03
51: G06Q
71: CHANNEL TECHNOLOGIES FZE
72: CHATZISTAMATIOU, Antonios
33: ZA 31: 2021/01908 32: 2021-03-23
33: ZA 31: 2021/04686 32: 2021-07-06
54: INTEGRATED CROSS-PLATFORM ACCOUNT MANAGEMENT
00: -
A system and method for integrated cross-platform account management is provided. A method includes generating one or more repayment instructions which instruct repayment of at least part of a cash loan. Each instruction includes a source amount and a repayment source indicator indicating either a subscriber wallet account maintained by a mobile wallet platform or a subscriber network usage account maintained by an intelligent network (IN) of a mobile network operator (MNO) as a source account for repayment. The method further includes initiating a transfer of funds from the one or more source accounts to a recovery account for a repayment amount equal to the sum of the one or more source amounts to effect repayment of at least part of the cash loan.



21: 2022/11236. 22: 2022/10/13. 43: 2025/04/03
51: B09B; C01B; C01G; C02F; C22B
71: YARA INTERNATIONAL ASA
72: KITA, Patrycja, VOJNOVIC, Tanja, BØYESEN, Katrine Lie
33: EP 31: 20180341.8 32: 2020-06-16
33: EP 31: 20195110.0 32: 2020-09-08
54: PROCESS FOR THE REMOVAL OF HEAVY METALS FROM A PHOSPHORIC ACID CONTAINING COMPOSITION USING AN IONIC POLYMERIC SURFACTANT AND USE OF SAID SURFACTANT IN THE PRECIPITATION OF HEAVY METALS IN A PHOSPHORIC ACID CONTAINING COMPOSITION
00: -
The present disclosure provides improved methods for the removal of heavy metals, in particular cadmium, from an aqueous phosphoric acid containing composition, wherein an organothiophosphorous heavy metal precipitating agent and an ionic polymeric surfactant, particularly a cationic polyacrylamide copolymer surfactant, are both added to a phosphoric acid containing composition, particularly under vigorous mixing conditions, such as between 500 and 700 rpm. The ionic polymeric surfactant promotes the precipitation of the heavy metals. More in particular, the phosphoric acid containing composition is obtained by the acid digestion of phosphate rock, preferably by nitric acid, sulfuric acid, or a combination thereof.



21: 2022/11243. 22: 2022/10/13. 43: 2025/04/03
51: A61K; A61P
71: STRITECH HOLDINGS PTY LTD
72: CHEUNG, Siu Ying Judy
54: ACNE CONTROL FORMULATIONS
00: -
The present application relates to a composition comprising pantothenic acid, or a pharmaceutically acceptable derivative, salt or prodrug thereof; folic acid; nicotinamide; a source of copper; a source of zinc; and Urtica dioica. The composition can be used in a method for reducing, treating and/or preventing acne and/or related skin disorders. Additionally, the composition can be used in a method for reducing, treating and/or preventing the appearance of acne and/or related skin disorders on the skin.

21: 2022/11464. 22: 2022/10/19. 43: 2025/03/14
51: A61K; A61P; C07D
71: C4X Discovery Limited
72: LUCAS, Cathy Louise, BLANEY, Emma Louise, MARTIN, Barrie Phillip, NOWAK, Thorsten, RAY,

Nicholas Charles, CRUMPLER, Simon Ross, SEWARD, Eileen Mary, HYND, George
33: GB 31: 2005852.5 32: 2020-04-22
54: TETRAHYDROISOQUINOLINE COMPOUNDS AS NRF2 ACTIVATORS
00: -
The present invention relates to compounds that are Nrf2 activators. The compounds have the structural formula I defined herein. The present invention also relates to processes for the preparation of these compounds, to pharmaceutical compositions comprising them, and to their use in the treatment of diseases or disorders associated with Nrf2 activation.

21: 2022/13146. 22: 2022/12/05. 43: 2025/04/07
51: C12C; C12F; C12G
71: PHANTASM LIMITED
72: RUFFELL, Joshua
33: NZ 31: 765291 32: 2020-06-10
54: GRAPE SKIN COMPOSITIONS AND COMPOUNDS, AND METHODS OF PREPARATION AND USE THEREFOR
00: -
The present disclosure encompasses compositions prepared from grape skins, 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 grape skin compositions and compounds for preparing various beverages, including fermented beverages, such as beers.

21: 2022/13417. 22: 2022/12/12. 43: 2025/04/11
51: A63F
71: AUDIOMOB LTD
72: OBENG-BOAKYE, Wilfrid, FACEY, Christian
33: US 31: 63/042,296 32: 2020-06-22
54: ADDING AUDIO CONTENT TO DIGITAL WORKS
00: -
Method and system for playing audio on a device, the method comprising the steps of a component of a digital work initiating a request for audio data during a rendering of the digital work, the digital work including video data. In response to the request, receiving the audio data. While continuing the rendering of the digital work on the device, suspending playback of first audio data currently playing on the device and playing the received audio data on the device. When the received audio data stops playing continuing with the rendering of the digital work on the device and resuming playback of the first audio data previously playing on the device.

21: 2022/13857. 22: 2022/12/21. 43: 2025/04/07
51: A61K; A61M; A61Q
71: SENSORY CLOUD, INC.
72: DEVLIN, Thomas E., EDWARDS, David A., AUSIELLO, Dennis Arthur
33: US 31: 63/048,421 32: 2020-07-06
33: US 31: 63/121,448 32: 2020-12-04
33: US 31: 63/130,099 32: 2020-12-23
33: US 31: 17/139,401 32: 2020-12-31
54: NASAL HYGIENE COMPOSITIONS, ANTIMICROBIAL TREATMENTS, DEVICES, AND ARTICLES FOR DELIVERY OF SAME TO THE NOSE, TRACHEA AND MAIN BRONCHI
00: -
Salt-based non-therapeutic hygienic formulations or compositions or therapeutic formulations or compositions, for example those rich in calcium, are effective against airborne pathogens and toxins, suppressing shedding, for instance by increasing a surface viscoealasticity of airway lining fluid. Associated apparatus, methods and articles are used to deliver salt-based non-therapeutic hygienic formulations or compositions as hygienic treatments to the upper respiratory tract. Associated apparatus, methods and articles are used to deliver salt-based therapeutic antimicrobial formulations or compositions to the upper respiratory tract. For example, nasal delivery of calcium-rich salines with aerosol droplet size of around 10 µm (e.g., 7 µm -15 µm, or more preferably 9 µm - 10 µm) may advantageously limit distribution to the nose and upper airways of the respiratory tract, suppressing bioaerosol generation. A nebulizer may deliver the aerosol into free space, or into a partially enclosed volume, and the composition naturally inspired by one or more subjects.

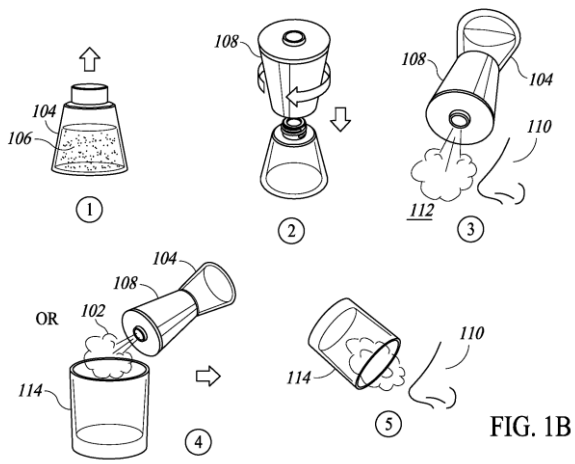
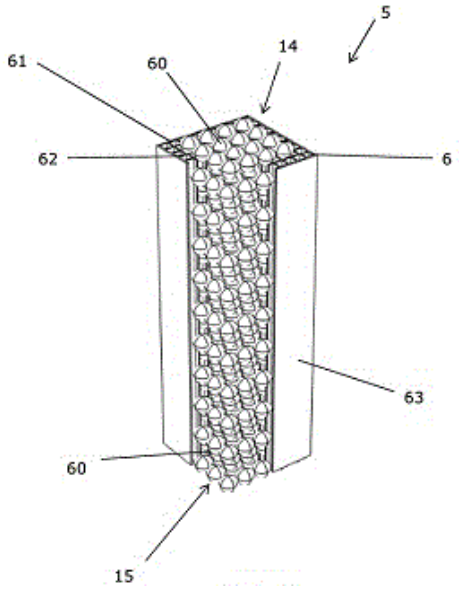


FIG. 1B

21: 2023/00493. 22: 2023/01/11. 43: 2025/03/06
51: A61K; A61P
71: DELTA 4 GMBH
72: PERCO, PAUL
33: EP 31: 20188727.0 32: 2020-07-30
54: ANTIVIRAL USE OF LIRAGLUTIDE AND GEFITINIB
00: -
The present invention refers to a pharmaceutical preparation comprising liraglutide or gefitinib or a salt, solvate or combination thereof, in an effective amount for use in prophylactic or therapeutic treatment of a disease condition which is caused by or associated with an infection by a coronavirus.

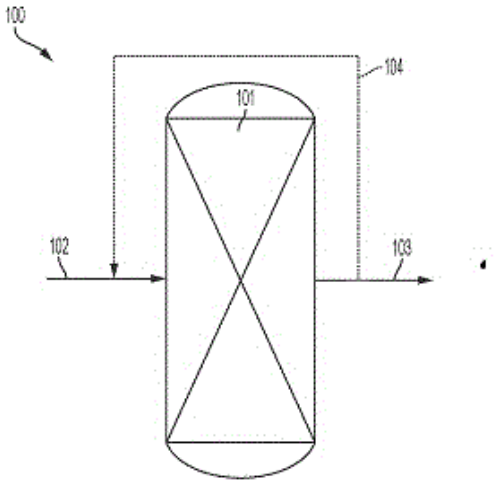
21: 2023/00858. 22: 2023/01/19. 43: 2025/03/07
51: B01J
71: TOPSOE A/S
72: MORTENSEN, PETER MØLGAARD, WISMANN, SEBASTIAN THOR, LARSEN, KASPER EMIL, HANSEN, ANDERS HELBO
33: EP 31: 20187305.6 32: 2020-07-23
33: EP 31: 21182132.7 32: 2021-06-28
54: A STRUCTURED CATALYST
00: -
A structured catalyst for catalyzing an endothermic reaction of a feed gas to convert it to a product gas is provided.



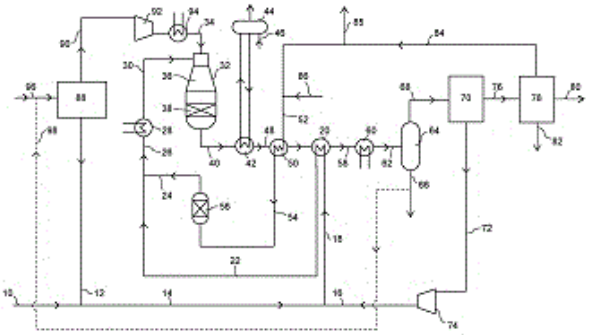
21: 2023/00862. 22: 2023/01/19. 43: 2025/03/06
51: C07K; A61P
71: GENENTECH, INC.
72: LIU, YICHIN, MOUSSION, CHRISTINE CARINE, BAINBRIDGE, TRAVIS WILLIAM, HOSSEINI, IRAJ, LAZAR, GREGORY ALAN, COHEN, SIVAN, KEMBALL, CHRISTOPHER CHARLES, SCHARTNER, JILL M
33: US 31: 63/062,713 32: 2020-08-07
54: FLT3 LIGAND FUSION PROTEINS AND METHODS OF USE
00: -
The invention provides an effectorless immunoglobulin Fc protein, fusions of the effectorless Fc protein to a Flt3 ligand, and methods of using the same.

21: 2023/01052. 22: 2023/01/24. 43: 2025/03/06
51: C07C
71: DOW GLOBAL TECHNOLOGIES LLC
72: KIRILIN, ALEXEY, MILLAR, DEAN M, CHOJECKI, ADAM, DEWILDE, JOSEPH F, POLLEFEYT, GLENN, NIESKENS, DAVY L.S, MALEK, ANDRZEJ
33: US 31: 63/045,888 32: 2020-06-30
54: PROCESSES FOR PREPARING C2 TO C3 HYDROCARBONS
00: -
A process for preparing C_2 to C_3 hydrocarbons may include introducing a feed stream including hydrogen gas and a carbon-containing gas comprising carbon monoxide, carbon dioxide, and mixtures thereof into a reaction zone of a reactor, and converting the feed

stream into a product stream comprising C_2 to C_3 hydrocarbons in the reaction zone in the presence of a hybrid catalyst. The hybrid catalyst may include a metal oxide catalyst component and a microporous catalyst component comprising 8-MR pore openings and may be derived from a natural mineral, the product stream comprises a combined C_2 and C_3 selectivity greater than 40 carbon mol%.



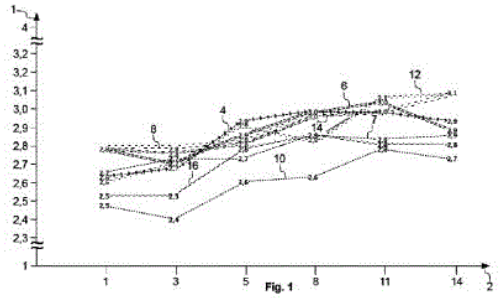
21: 2023/01089. 22: 2023/01/25. 43: 2025/03/28
51: C01B; C10G; C10K; C25B
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: CLAXTON, HENRY ARTHUR, COOK, AMELIA LORNA SOLVEIG, MCKENNA, MARK JOSEPH
33: GB 31: 2016417.4 32: 2020-10-16
54: PROCESS FOR PRODUCING A GAS STREAM COMPRISING CARBON MONOXIDE
00: -
A process is described for producing a gas stream comprising carbon monoxide comprising the steps of (a) feeding a gas mixture comprising carbon dioxide and hydrogen to a burner disposed in a reverse water-gas shift vessel and combusting it with a sub-stoichiometric amount of an oxygen gas stream to form a combusted gas mixture comprising carbon monoxide, carbon dioxide, hydrogen and steam, (b) passing the combusted gas mixture through a bed of reverse water-gas shift catalyst disposed within the reverse water-gas shift vessel to form a crude product gas mixture containing carbon monoxide, steam, hydrogen and carbon dioxide, (c) cooling the crude product gas mixture to below the dew point and recovering a condensate to form a dewatered product gas, (d) removing carbon dioxide from the dewatered product gas in a carbon dioxide removal unit to form the gas stream comprising carbon monoxide, and (e) combining carbon dioxide recovered by the carbon dioxide removal unit with the gas mixture comprising hydrogen and carbon dioxide fed to the reverse water-gas shift vessel.



21: 2023/01141. 22: 2023/01/27. 43: 2025/03/07
51: C08J; A01G
71: PLASTIKA KRITIS S.A.
72: FRYSALI, MELANI A, ANDROULAKI, KRYSTALENIA
33: EP 31: 20386038.2 32: 2020-07-27
54: FILMS FOR AGRICULTURAL STRUCTURES
00: -
The present invention relates to a film for covering agricultural structures, comprising: a) a polymeric film having one or more layers, wherein at least one of the layers comprises one or more UV stabilisers; and b) a coating on at least one outer surface of the polymeric film, the coating comprising at least one layer comprising a polymer, such that the film has an oxygen permeability below 500 ml/m2/bar/day at 23°C and 0% relative humidity, as measured according to EN ISO 15105-2.

21: 2023/01222. 22: 2023/01/30. 43: 2025/03/07
51: C06B
71: MSW-CHEMIE GMBH
72: FLACH, FREDERIK, TRIEBEL, RÜDIGER
33: DE 31: 10 2020 004 567.7 32: 2020-07-28
54: GRANULATED EXPLOSIVE BASED ON A WATER-IN-OIL EMULSION, AND PRODUCTION AND USE THEREOF
00: -
In a first aspect, the present invention relates to a granulated explosive based on a water-in-oil emulsion with one or more oxygen carriers, water,

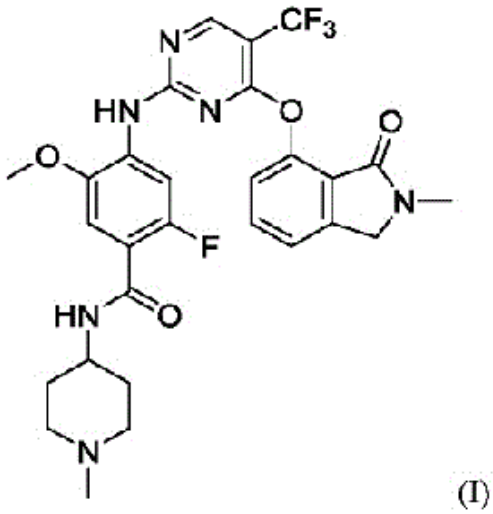
one or more fuel carriers and emulsifier. The invention also relates to a method for producing a granulated explosive according to the invention based on a water-in-oil emulsion containing oxygen carriers, water, fuel carriers and emulsifier. The invention lastly relates to a granulated explosive obtainable using the method according to the invention and to the use of the granulated explosive according to the invention.



21: 2023/01228. 22: 2023/01/30. 43: 2025/03/07
51: C07D; A61K; A61P
71: VERTEX PHARMACEUTICALS INCORPORATED
72: CLEMENS, JEREMY J, BOOKSER, BRETT C, CLEVELAND, THOMAS, COON, TIMOTHY R, GALLANT, MICHEL, GROOTENHUIS, PETER (DECEASED), HADIDA RUAH, SARA SABINA, LATERREUR, JULIE, MELILLO, VITO, MILLER, MARK THOMAS, PARASELLI, PRASUNA, RAMTOHUL, YEEMAN K, REDDY, THUMKUNTA JAGADEESWAR, STURINO, CLAUDIO, VALDEZ, LINO, ZHOU, JINGLAN, BAEK, MINSON, BECHARA, WILLIAM SCHULZ
33: US 31: 63/063,194 32: 2020-08-07
54: MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR
00: -
This disclosure provides modulators of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR), pharmaceutical compositions containing at least one such modulator, methods of treatment of cystic fibrosis using such modulators and pharmaceutical compositions, and processes for making such modulators.

21: 2023/01265. 22: 2023/01/31. 43: 2025/05/09
51: A61K; A61P
71: HAPPYGUM G.M.B.H.
72: FARKAS, Tim
33: DE 31: 10 2020 117 395.4 32: 2020-07-01
54: COMPOSITION USED AS A MOOD-REGULATING STIMULANT
00: -
Disclosed is a composition which is used as a mood-regulating stimulant, comprising a chewing mass containing 0.1 to 1% by weight lavender oil.

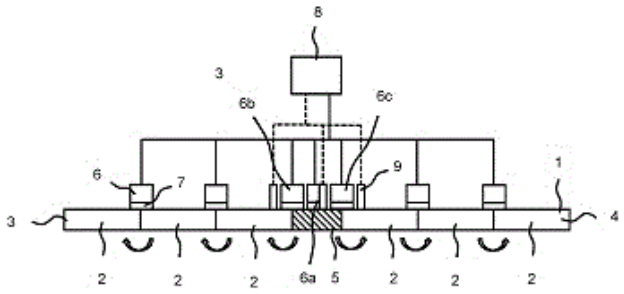
21: 2023/01378. 22: 2023/02/02. 43: 2025/03/19
51: C07D; A61K; A61P
71: INXMED (NANJING) CO., LTD.
72: WANG, ZAIQI, GAO, JING, SANG, YINGXIA
33: CN 31: 202010768730.1 32: 2020-08-03
33: CN 31: 202010837005.5 32: 2020-08-19
54: SOLID FORM OF COMPOUND
00: -
Provided is a solid form of a compound of formula (I) or a salt thereof, or a solvate thereof, or a solvate of a salt thereof, or a mixture thereof.



(I)

21: 2023/01862. 22: 2023/02/15. 43: 2025/03/18
51: A01M
71: KVERNELAND GROUP NIEUW-VENNEP B.V.
72: VAN DER KROGT, RENÉ
33: EP 31: 20202186.1 32: 2020-10-16
54: AGRICULTURAL SPRAYER AND METHOD FOR OPERATING AN AGRICULTURAL SPRAYER
00: -
An agricultural sprayer is disclosed, comprising a sprayer boom (1), an actuator (6a; 6b; 6c) and an operation controller (8). The sprayer boom (1) has a central boom section (5); a plurality of boom sections

(2) provided in boom wings (3, 4) pivotably connected to the central boom section (5) on opposite sides of the central boom section (5), and a plurality of dispensing elements provided on the boom wings (3, 4) for dispensing a spraying material in operation. The actuator (6a; 6b; 6c) comprises an actuator element (7) which, for slope correction, can be moved between at least a retracted and an extended position, wherein an element length of the actuator element (7) is changed when the actuator element (7) is moved between the retracted and the extended position and wherein the actuator (6a; 6b; 6c) is configured, by adjusting the element length of the actuator element (7), to provide slope correction for the sprayer boom (1). The operation controller (8) is configured to receive a first request for slope correction for the sprayer boom (1), comprising moving the sprayer boom (1) to a first slope correction position; assign the first slope correction position of the sprayer boom (1) to a first element length of the actuator element (7); provide first slope correction control signals assigned to the first element length of the actuator element (7); and apply the first slope correction control signals to the actuator element (7), thereby, adjusting the element length of the actuator element (7) to the first element length for moving the sprayer boom (1) to the first slope correction position. Furthermore, a method for operating an agricultural sprayer is provided.



21: 2023/02392. 22: 2023/02/23. 43: 2025/05/08
51: A61K; C07K; A61P
71: BIOND BIOLOGICS LTD.
72: MANDEL, Ilana, PERETZ, Tsuri, HAVES ZIV, Dana, GOLDSHTEIN, Ilana, ALISHEKEVITZ, Dror, FRIDMAN-DROR, Anna, HAKIM, Motti, SHULMAN, Avidor, SAPIR, Yair, BEN-MOSHE, Tehila
33: US 31: 63/145,604 32: 2021-02-04
33: US 31: 63/149,371 32: 2021-02-15
33: IL 31: PCT/IL2020/050889 32: 2020-08-12

54: ANTIBODIES AGAINST ILT2 AND USE THEREOF

00: -

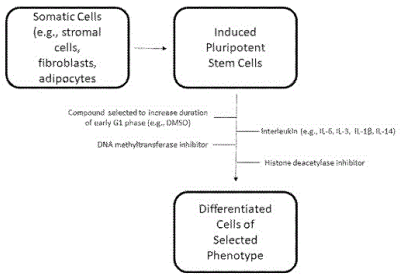
The present disclosure provides monoclonal anti-ILT2 antibodies or antigen-binding fragments thereof, as well as pharmaceutical compositions comprising the same and methods of producing the same. Also provided are methods of treating cancer using the antibodies or compositions of the present disclosure. Methods of patient selection are also provided.

21: 2023/03251. 22: 2023/03/01. 43: 2025/05/08
51: C12N
71: SO YOUNG LIFE SCIENCES CORPORATION
72: SETH, Avinash, LOWE, Nikko, BRILLHART, Kurt Lee
33: US 31: 63/060,483 32: 2020-08-03

54: COMBINATION TREATMENT OF INDUCED PLURIPOTENT STEM CELLS USING INTERLEUKINS

00: -

Induced pluripotent stem cells are treated using a combination of compounds that improve competence of the induced pluripotent stem cells in responding to differentiation signals and/or improve the efficiency of differentiation of the treated induced pluripotent stem cells in differentiation towards a desired phenotype. The combination treatment can incorporate two or more of prolongation of early G1 phase, treatment with an interleukin, modulation of DNA methylation, modulation of histone acetylation, and activation of the Wnt pathway. Cells derived from induced pluripotent stem cells so treated can be used in regenerative therapy and production of organoids.



21: 2023/03996. 22: 2023/03/30. 43: 2025/04/04
51: G01N
71: AFRICA NEW ENERGIES LIMITED

72: LARKIN, Stephen, OMAR, Muhammad, USMAN, Muhammad, TAHA, Muhammad, RAW, Brendon, KHAN, Saad Saleem

54: GAS DETECTION SYSTEM AND METHOD

00: -

The invention provides a gas detection system for detecting and sensing a target gas such as methane within a gaseous sample. The system comprises first and second waveguides, an input port connected to the first waveguide and configured to transmit electromagnetic radiation, and an output port connected to the second waveguide and configured to receive an output signal. The system further comprises a gas sampling component connected to the first and second waveguides, and at least one elongate tunnelling element arranged within the gas sampling component. The tunnelling element is configured to provide energy coupling between the first and second waveguides. A processing component is arranged to analyze the output signal received by the output port to detect a presence, and optionally concentration, of the target gas in the gaseous sample. A method of detecting and sensing a target gas within a gaseous sample is also provided.

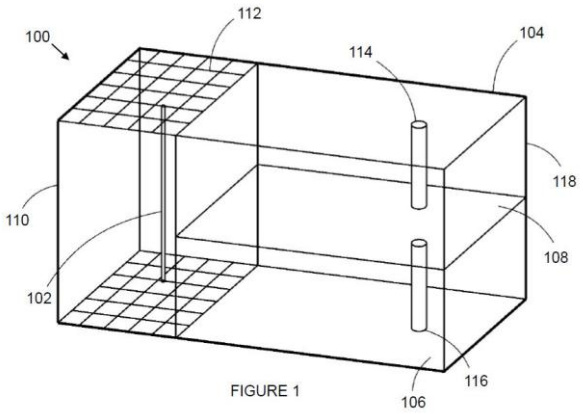


FIGURE 1

21: 2023/04935. 22: 2023/05/03. 43: 2025/04/16

51: A24B

71: PHILIP MORRIS PRODUCTS S.A.

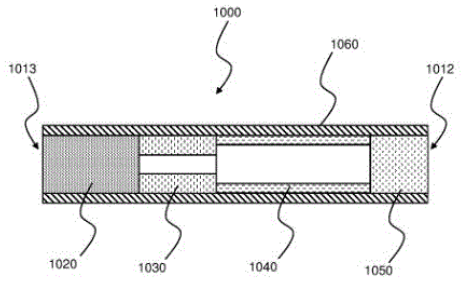
72: GAMBS, Celine, VOLLMER, Jean-Yves

33: EP 31: 20200643.3 32: 2020-10-07

54: AN AEROSOL-FORMING SUBSTRATE

00: -

An aerosol-forming substrate (1020) for use in an aerosol-generating system (2000). The aerosol-forming substrate (1020) comprises: one or more aerosol formers; hydroxypropylmethyl cellulose; and one or more cellulose based strengthening agents. The aerosol-forming substrate (1020) has an aerosol former content of greater than 30 percent by weight. The one or more cellulose based strengthening agents comprises cellulose powder. The aerosol-forming substrate (1020) has a cellulose powder content of between about 0.5 percent by weight and about 50 percent by weight.



21: 2023/06739. 22: 2023/06/30. 43: 2025/03/28

51: A61K; A61P

71: SUMMIT (OXFORD) LIMITED

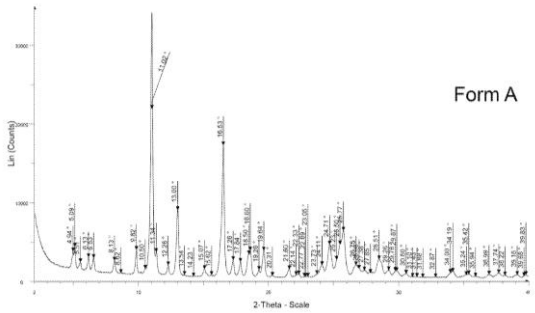
72: WILSON, Francis X., TRESPIDI, Laura, CARNIAUX, Jean-Francois, TIMMINS, Peter

33: GB 31: 2100470.0 32: 2021-01-14

54: SOLID TABLET DOSAGE FORM OF RIDINILAZOLE

00: -

The present invention relates to solid tablet oral dosage forms of 2,2'-di(pyridin-4-yl)-1*H*,1'*H*-5,5'-bibenzo[d]imidazole (which may also be known as 2,2'-di-4-pyridinyl-6,6'-bi-1H-benzimidazole; 5,5'-bis[2-(4-pyridinyl)-1*H*-benzimidazole]; 2,2'-bis(4-pyridyl)-3H,3'H-5,5'-bibenzimidazole; or 2-pyridin-4-yl-6-(2-pyridin-4-yl-3*H*-benzimidazol-5-yl)-1*H*-benzimidazole), referenced herein by the INN name *ridinilazole*, and pharmaceutically acceptable derivatives, salts, hydrates, solvates, complexes, bioisosteres, metabolites or prodrugs thereof.



21: 2023/07056. 22: 2023/07/13. 43: 2025/03/10
51: A24B; A24F; A61M; B05B; B06B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
33: US 31: 17/220,189 32: 2021-04-01
33: US 31: 17/122,025 32: 2020-12-15
54: A NICOTINE DELIVERY DEVICE
00: -
A nicotine delivery device (200) for generating a mist containing nicotine for inhalation by a user. The device comprises a mist generator device (201) and a driver device (202). The driver device (202) is configured to drive the mist 10 generator device (201) at an optimum frequency to maximise the efficiency of mist generation by the mist generator device (201).

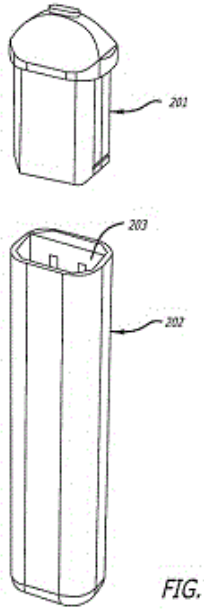


FIG. 10

21: 2023/07057. 22: 2023/07/13. 43: 2025/03/06
51: A24B; A24F; A61M; B05B; B06B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
33: US 31: 17/220,189 32: 2021-04-01
33: US 31: 17/122,025 32: 2020-12-15
54: MIST INHALER DEVICES
00: -
A mist inhaler device (200) for generating a mist comprising a therapeutic for inhalation by a user. The device comprises a mist generator device (201) and a driver device (202). The driver device (202) is configured to drive the mist generator device (201) at an optimum frequency to maximise the efficiency of mist generation by the mist generator device (201).

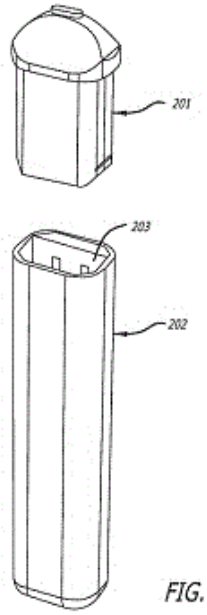
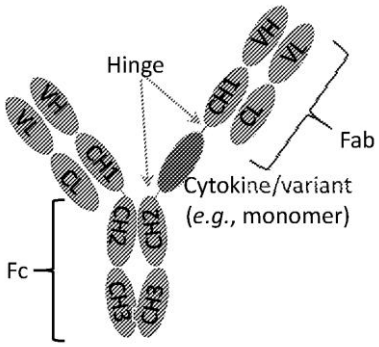


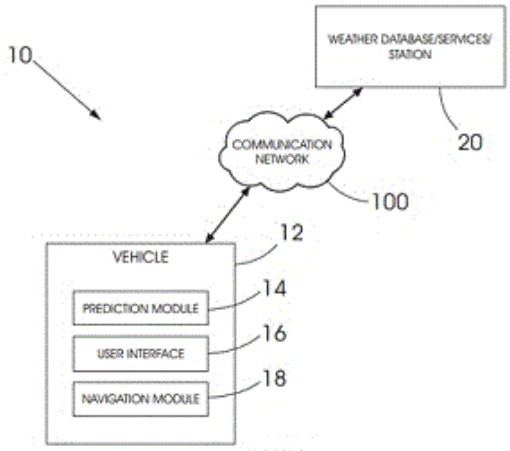
FIG. 10

21: 2023/07146. 22: 2023/07/17. 43: 2025/05/19
51: C12N; C07K
71: IMMUNOWAKE INC.
72: WU, Ellen, WU, Xiaoyun, WAKEFIELD, John
33: US 31: 63/130,339 32: 2020-12-23
54: IMMUNOCYTOKINES AND USES THEREOF
00: -
The present application relates to immunocytokines comprising a cytokine or variant thereof positioned at the hinge region of a heavy chain of an antibody (e.g., full-length antibody), or positioned at a hinge region between an antigen-binding fragment (e.g., ligand, receptor, or antibody fragment) and an Fc domain subunit or portion thereof, methods of making, and uses thereof.

FIG. 2A Cytokine/variant at hinge region (*e.g.*, Fab-IL-2 mutant-Fc-Her2 Ab)

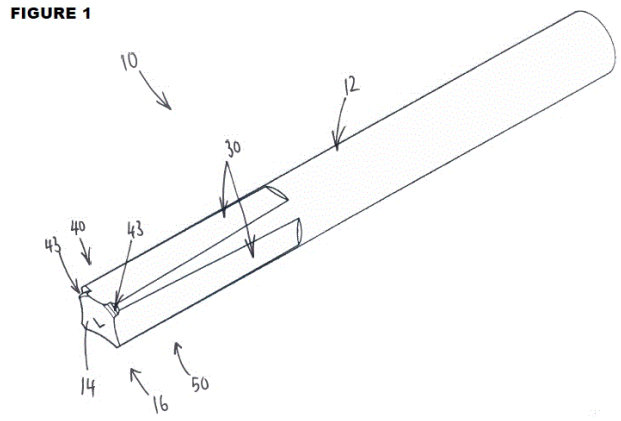


21: 2023/07175. 22: 2023/07/18. 43: 2025/03/07
51: B60L; G06F
71: TSHWANE UNIVERSITY OF TECHNOLOGY
72: OOSTHUIZEN, CHRISTIAAN COENRAD
33: ZA 31: 2022/08184 32: 2022-07-22
54: RANGE ESTIMATION SYSTEM AND METHOD
00: -
A method of estimating a range for an electric vehicle. A planned route is divided into a plurality of route sections. For each route section, an estimated power loss or power gain is predicted by taking into account a gradient(s) or average gradient of the particular route section, and one or more predicted time-dependent weather variables which are relevant to the particular section, based on when the vehicle is expected to travel across the particular section. The weather variables can have an impact on an amount of power which the vehicle will consume when travelling across the particular section. The range for the vehicle is estimated by utilising the estimated power loss or power gain predicted for each route section.



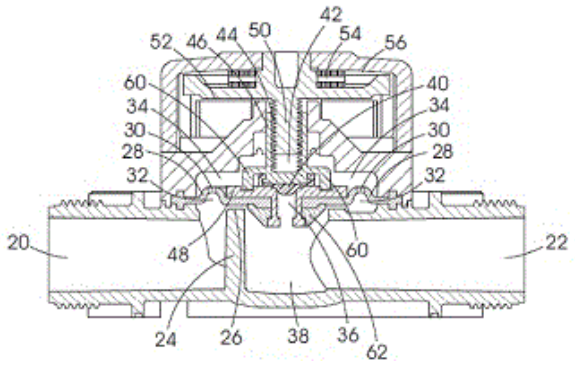
21: 2023/07205. 22: 2023/07/19. 43: 2025/03/12
51: E21F
71: THE TREVOR CHARLES FROST FAMILY TRUST (IT 3642/95)
72: SCHALKWYK, Christopher, SAMUEL, Richard, Fitzgerald, WOLLER, Siebert, de Villiers
33: ZA 31: 2022/07997 32: 2022-07-19
54: A MINE PROP
00: -
A mine prop which includes an elongate member capable of axial compression in a yielding condition, and a force directing formation in the form of a surface of the elongate member which is arranged at an end region of the elongate member for directing part of a compressive force on the elongate member along a predetermined axis which is offset relative to a longitudinal axis of the elongate member so as to encourage displacement of the elongate member in a direction determined by the surface in a yielding condition.

FIGURE 1



21: 2023/07325. 22: 2023/07/24. 43: 2025/03/07
51: F16K

71: CONLOG (PTY) LTD
72: NIEUWENHUIZEN, NORMAN ANTHONY
33: ZA 31: 2022/09259 32: 2022-08-18
54: A VALVE
00: -
A valve includes a housing with a central bore, a lead screw, a fluid inlet and outlet, and a barrier inside the housing that partially obstructs fluid flow. A flexible diaphragm with inlet bleed holes is movable towards a closed position where it contacts a valve sealing face on the barrier, preventing fluid from flowing from the inlet to the outlet. A fluid outlet bleed port controls fluid flow from an outlet cavity to the fluid outlet. A valve stem and a connected outlet bleed port seal move within the bore towards and away from a valve sealing face. A motor moves these towards the valve sealing face, causing fluid pressure to build up in the outlet cavity which moves the flexible diaphragm to its closed position. The valve stem holds the flexible diaphragm in the closed position when it is closed.



21: 2023/07437. 22: 2023/07/26. 43: 2025/03/07
51: C11B
71: UNIVERSITY OF THE WESTERN CAPE
72: JANSEN, PIETER, BLADERGROEN, BERNARD JAN, CERFF, BRADLEY ROBERT
33: ZA 31: 2022/12418 32: 2022-11-15
54: A PROCESS FOR RECOVERING UNCONTAMINATED OIL FROM EMULSIONS
00: -
The invention provides for a process for recovering uncontaminated oil from a stable oil emulsion. The process comprises the introduction of a shear force and a gas to the stable oil emulsion at areas in proximity to one another. The combination of shear force and gas causes oil droplets in the emulsion to flocculate and coalesce, thereby allowing free oil to be recovered from the surface of the treated emulsion as uncontaminated free oil.

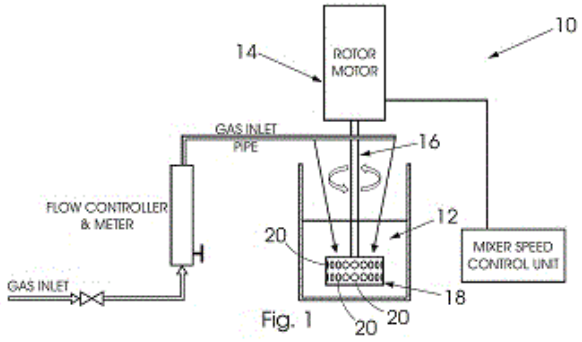


Fig. 1

21: 2023/07438. 22: 2023/07/26. 43: 2025/03/07
51: B66B; F16F; B61G
71: LEVELOK ENGINEERING (PTY) LTD.
72: WERKMAN, BEREND JAN, CLAASSEN, JACOBUS JOHANNES, TALJAARD, JAUNDRÉ
33: ZA 31: 2022/08481 32: 2022-07-29
54: MINING CONVEYANCE, GUIDE ROLLER ASSEMBLY AND BUFFER
00: -
A guide roller assembly, typically used with a mining conveyance. The guide roller assembly comprises first and second roller assemblies comprising first and second rollers arranged operatively to engage opposite flanges of a guide. The guide roller assembly furthermore comprises a third roller assembly comprising a third roller arranged operatively to engage a web of the guide, the third roller assembly mounted displaceably relative to a base of the guide roller assembly. A buffer is mounted between the third roller assembly and the base, and a generator unit is operatively driven by the third roller.

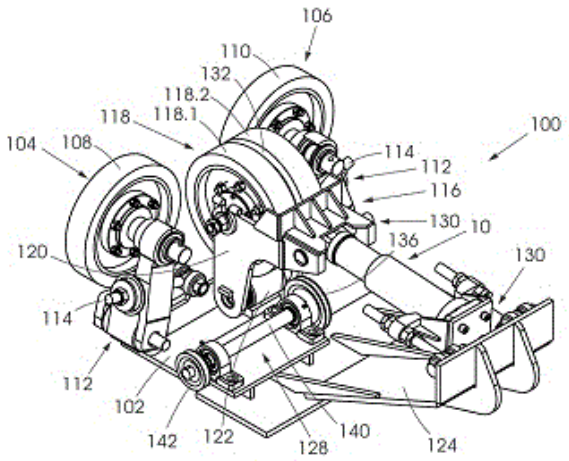


Fig. 18

21: 2023/07439. 22: 2023/07/26. 43: 2025/03/07
51: F16F; B61G
71: LEVELOK ENGINEERING (PTY) LTD.
72: WERKMAN, BEREND JAN, CLAASSEN, JACOBUS JOHANNES, TALJAARD, JAUNDRÉ
33: ZA 31: 2022/08482 32: 2022-07-29
54: BUFFER
00: -
A buffer, typically, but not exclusively used as part of a mining guide roller assembly with regenerative capabilities fitted to a mining conveyance. The buffer comprises an outer tube with an end closed off by a base, an inner tube with an end closed off by a cap, the inner tube being received by and axially displaceable relative to the outer tube. The buffer comprises a floating piston received within the inner tube, the floating piston defining a first and second compartment within the buffer. An orifice arrangement is arranged within the second compartment, dividing the second compartment into a first portion and a second portion. The orifice arrangement defines a fluid flow path which is spaced from a central axis thereof.

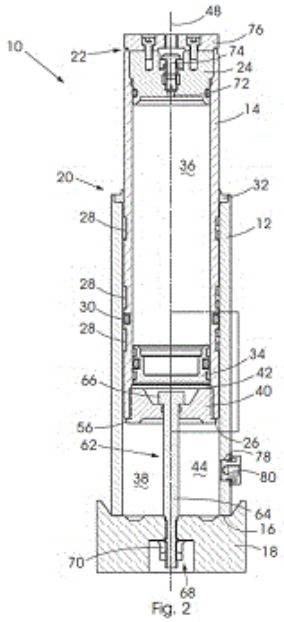


Fig. 2

21: 2023/07527. 22: 2023/07/28. 43: 2025/03/07
51: F21Y; F21S
71: SEYMOUR, BARRY ANTHONY PAUL
72: SEYMOUR, BARRY ANTHONY PAUL
33: ZA 31: 2022/04763 32: 2022-04-29
54: LED LUMINAIRE
00: -
This invention concerns an LED luminaire module for installation in a luminaire. The LED luminaire module has three linear LED modules arranged such that their longitudinal axes are substantially parallel to one another and spaced apart radially at substantially equal intervals about a centre axis. This invention also concerns the retrofitting of luminaires using the LED luminaire module as well as luminaires including the LED luminaire module.

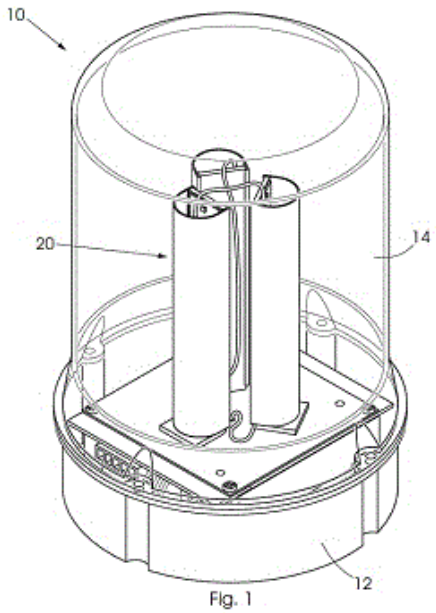
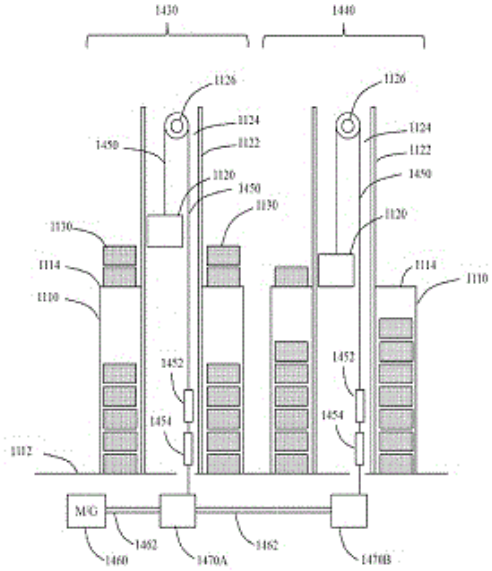
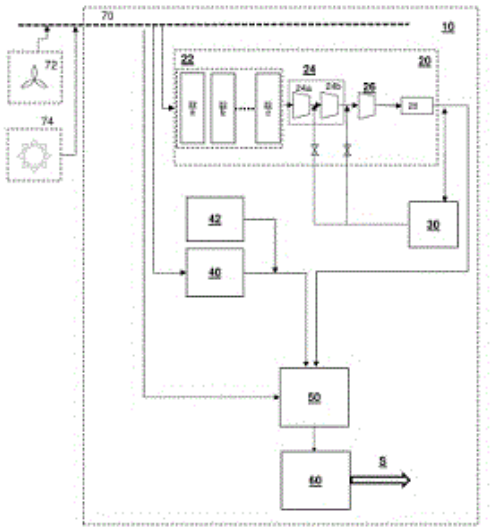


Fig. 1

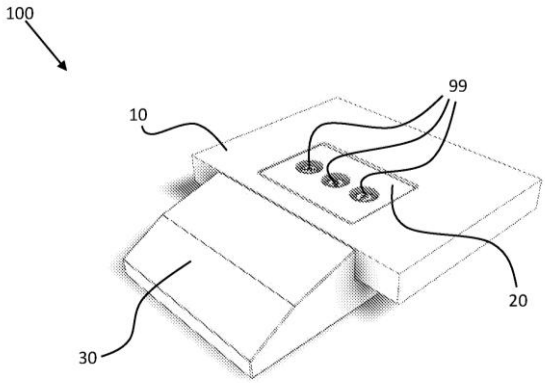
21: 2023/07578. 22: 2023/07/31. 43: 2025/03/06
51: B66C; F03G
71: ENERGY VAULT, INC.
72: PEDRETTI, ANDREA, HÄNNI, ROLAND MARKUS
33: US 31: 63/144,740 32: 2021-02-02
54: ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM
00: -
An energy storage and delivery system (100) includes an elevator (120) operable to move blocks (130) from a lower elevation to a higher elevation to store energy and from a higher elevation to a lower elevation to generate electricity. A winch assembly is movably coupled to a cable (1450) that is coupled to the elevator. The winch assembly has planetary gear (1471) assemblies, brakes (1475) that selectively engage at least a portion of the planetary gear assemblies, and a spool (1490) coupled to the cable. A drive shaft (1462) extends between a motor-generator (1460) and the winch assembly. A brake is operable so that the spool rotates to reel-in the cable to raise the elevator to move a block from a lower elevation to a higher elevation to store energy or so that the spool rotates to reel-out the cable to lower the elevator to move a block from a higher elevation to a lower elevation to generate electricity.



21: 2023/07744. 22: 2023/08/07. 43: 2025/03/19
51: G05B; C01C
71: AIR PRODUCTS AND CHEMICALS, INC.
72: ZHU, ZHONG-XIANG, ESPIE, DAVID M , WILSON, GRAEME RICHARD
33: US 31: 17/886,562 32: 2022-08-12
54: METHOD AND SYSTEM FOR CONTROLLING PRODUCTION AND STORAGE OF INDUSTRIAL GASES
00: -
An industrial gas production plant operable to produce a feedstock gas at a variable production rate for supply to the downstream process; and a gas storage resource operable to store produced feedstock gas, the method comprising: determining the pressure of feedstock gas in a supply feed line to the downstream process; selectively controlling, using a control system, a flow of feedstock gas from the supply feed line to the gas storage resource or from the gas storage resource to the supply feed line in response to the determined pressure in order to regulate the pressure of the feedstock gas in the supply feed line to the downstream process at a predetermined set point pressure; and selectively controlling, using a control system, a flow rate of feedstock gas in the supply feed line to the downstream process in dependence upon at least one operational parameter of the gas storage resource.

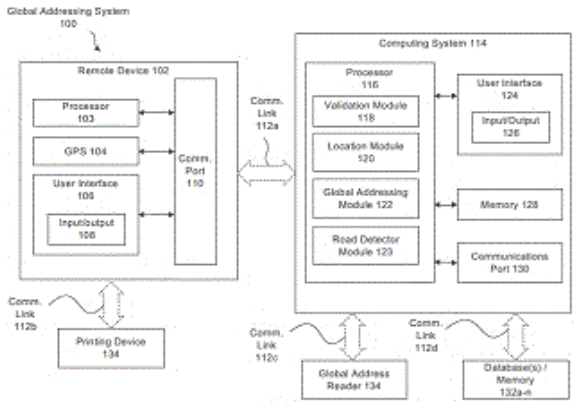


21: 2023/08368. 22: 2023/08/30. 43: 2025/03/12
51: E02F
71: HENSLEY INDUSTRIES, INC.
72: FURRE, Arnold, UDAYAKUMAR, Anuop, PIESSET, Jean-Pierre Vidal
33: NO 31: 20210163 32: 2021-02-09
54: RETENTION SYSTEM FOR A WEAR PART FOR A BUCKET FOR AN EARTH MOVING MACHINE
00: -
The invention relates to a retention system (100) for a wear part (30) for a bucket (50) for an earth moving machine (200). The retention system (100) comprises in operational use: i) a bucket body (10) comprising a trench (T) having tilted sidewalls (SW1) extending from an upper side (S1) of the bucket body (10); ii) a force multiplier (20) having a shape substantially corresponding to a shape of the trench (T), wherein the force multiplier (20) is provided with a plurality of through-holes (20-1) that are spaced apart and distributed over a first surface (SF1) of the force multiplier (20); iii) a wear part (30) mounted to an edge (E1) of the bucket body (10), wherein the wear part (30) forms a first mutual interface (I1) with the bucket body (10) extending from the edge (E1) over a predefined distance (d1) along the lower side (S2) of the bucket body (10) beyond the location of the trench (T), wherein the wear part (30) forms a second mutual interface (I2) with the edge (E1) of the bucket body (10), wherein the wear part (30) is provided with a plurality of receiving holes (98) having inner threads, wherein the receiving holes (98) are located at locations corresponding to the plurality of through-holes (20-1) in the force multiplier (20), and iv) a plurality of bolts (99) provided in the plurality of through-holes (20-1) and retained by the inner threads of the plurality of receiving holes (98). The wear part (30) and the force multiplier (20) is provided with at least one protrusion (PT1, PT2) at the first mutual inter-face (I1) and another one of the wear part (30) and the force multiplier (20) is provided with at least one matching recess (RC1, RC2) at the first mutual interface (I1) such that relative movement between the wear part (30) and the force multiplier (20) in a lateral direction (LD) parallel to the first mutual interface (I1) is prevented, in operational use, for reducing shear forces acting on the bolts (99).

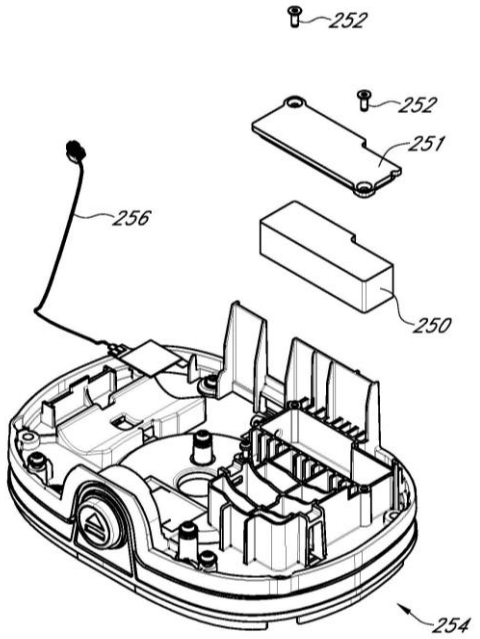


21: 2023/08531. 22: 2023/09/05. 43: 2025/03/25
51: G06Q
71: PEDAWI, SARWAR
72: PEDAWI, SARWAR
33: US 31: 16/055,775 32: 2018-08-06
54: GLOBAL ADDRESS SYSTEM AND METHOD
00: -
A system and computer-implemented method for generating an encoded indicator of routing instructions. The method includes (i) receiving, based on an interaction with an interactive map displayed on a user interface of a user device, positioning information; (ii) validating, based on a signal received from a device in proximity to the user device indicating a current location of the user device (102, 202), the positioning information; (iii) determining, based on a comparison of the validated positioning information and raster data, that a location indicated by the validated positioning information is inaccessible via a publicly maintained thoroughfare; (iv) determining, based on object class

detection applied to raster data, routing instructions to access the location inaccessible via the publicly maintained thoroughfare; (v) generating, based on code words indicative of at least a portion of the routing instructions, a matrix barcode that includes representations of the code words; (vi) modifying the matrix barcode based on at least one of a data mask applied to the matrix barcode, a bit-flipping scheme applied to the matrix barcode, or binary values applied to pixels of the matrix barcode; and (vii) sending, to the user device (102, 202), an indication of the location inaccessible via the publicly maintained thoroughfare and the modified matrix barcode.

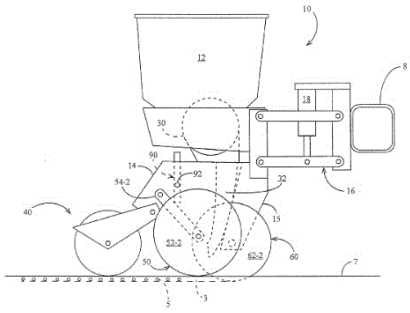


21: 2023/08794. 22: 2023/09/15. 43: 2025/04/17
51: A61M; F04B
71: T.J.Smith and Nephew, Limited
72: ASKEM, Ben Alan, DAVIES, William, ELDER, David Michael, GLENCROSS, James Cunningham, JOHNSON, Danielle Susan, MADRIZ, Camilo Patrick, MAGGIORE, Andrea, MCLUSKY, James Donald, WEBB, Christopher John, WEEDON, Hannah Bailey
33: GB 31: 2104021.7 32: 2021-03-23
33: GB 31: 2116401.7 32: 2021-11-15
54: NEGATIVE PRESSURE WOUND THERAPY DEVICES
00: -
A negative pressure device having a negative pressure source, a canister in fluid communication with the negative pressure source, a conduit the can couple with a wound dressing to provide negative pressure to a space beneath the wound dressing. Some arrangements of the negative pressure source can have a first noise reduction chamber and a second noise reduction chamber downstream of and in fluid communication with an outlet of a pump. The first and second noise reduction chambers can be configured to reduce noise generated by the pump and/or a level of pressure pulses in the fluid that is advanced through the negative pressure source.

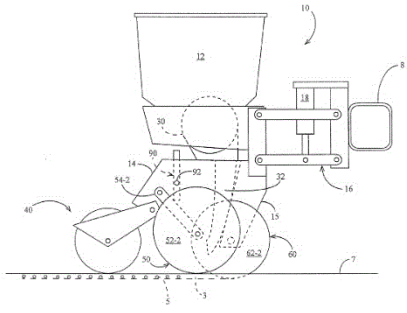


21: 2023/08888. 22: 2023/09/20. 43: 2025/05/06
51: A01B; A01C
71: PRECISION PLANTING LLC
72: SWANSON, Todd, KOCH, Dale, SLONEKER, Dillon
33: US 31: 62/297,535 32: 2016-02-19
33: US 31: 62/322,314 32: 2016-04-14
33: US 31: 62/366,405 32: 2016-07-25
33: US 31: 62/417,144 32: 2016-11-03
54: AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS
00: -
Systems, methods and apparatus for adjusting the depth of a trench opened by a row unit of an agricultural planter. The row unit includes a trench depth adjustment assembly configured to modify the furrow depth. In one embodiment, the depth adjustment assembly may include a gear box having one or more gears which engage with a gear rack. The gear box may be pivotally connected to a depth adjustment body supporting a rocker that adjusts upward travel of gauge wheel arms. In another embodiment, the depth adjustment assembly may include a depth adjustment arm having a screw receiver that cooperates with a driven screw that

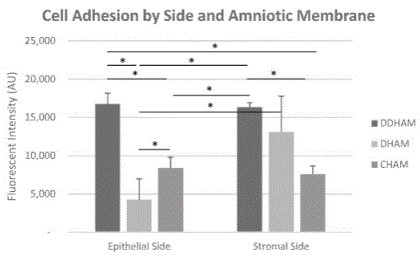
adjusts the position of the depth adjustment arm acting on the gauge wheels to adjust trench depth.



21: 2023/08889. 22: 2023/09/20. 43: 2025/05/06
51: A01B; A01C
71: PRECISION PLANTING LLC
72: SWANSON, Todd, KOCH, Dale, SLONEKER, Dillon
33: US 31: 62/297,535 32: 2016-02-19
33: US 31: 62/322,314 32: 2016-04-14
33: US 31: 62/366,405 32: 2016-07-25
33: US 31: 62/417,144 32: 2016-11-03
54: AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS
00: -
Systems, methods and apparatus for adjusting the depth of a trench opened by a row unit of an agricultural planter. The row unit includes a trench depth adjustment assembly configured to modify the furrow depth. In one embodiment, the depth adjustment assembly may include a gear box having one or more gears which engage with a gear rack. The gear box may be pivotally connected to a depth adjustment body supporting a rocker that adjusts upward travel of gauge wheel arms. In another embodiment, the depth adjustment assembly may include a depth adjustment arm having a screw receiver that cooperates with a driven screw that adjusts the position of the depth adjustment arm acting on the gauge wheels to adjust trench depth.



21: 2023/08986. 22: 2023/09/22. 43: 2025/04/17
51: A61L
71: CELULARITY INC.
72: KUEHN, Adam, LONG, Desiree, SIVALENKA, Rajarajeswari, GOSIEWSKA, Anna, BRIGIDO, Stephen A., WILK, Timothy F., TRINKA, Amanda L., HARIRI, Robert J., MARTINEZ, Luis
33: US 31: 63/174,280 32: 2021-04-13
33: US 31: 63/267,820 32: 2022-02-10
54: MULTI-LAYER AMNIOTIC TISSUE GRAFTS AND USES THEREOF
00: -
The present invention provides a tissue graft product comprising a plurality of laminated layers of extracellular matrix, wherein the extracellular matrix is derived from an amniotic membrane, and wherein the stromal side of an extracellular matrix layer is presented on both the upper and lower surfaces of the tissue graft product. Methods of making and using the tissue graft product also are provided.



21: 2023/09059. 22: 2023/09/26. 43: 2025/03/14
51: B60B
71: GACW INCORPORATED
72: KEMENY, Zoltan
33: US 31: 63/162,251 32: 2021-03-17
54: WHEEL ASSEMBLY INCLUDING INBOARD SIDE OUTER RIM COUPLED RING DEFINING A MECHANICAL STOP AND RELATED METHODS
00: -
A wheel assembly to be coupled to a hub of a vehicle may include an inner rim to be coupled to the hub of the vehicle and an outer rim surrounding the hub. The wheel assembly may also include gas springs operatively coupled between the inner rim and the outer rim to provide a gas suspension for relative movement between the inner rim and the outer rim. An outer ring may be adjacent an inboard side of the outer rim and defining a closeable gap with adjacent interior portions of an inboard side of the inner rim to define a mechanical stop to limit relative movement between the inner rim and outer

rim. The gas springs may be arranged on an outboard side of the outer ring.

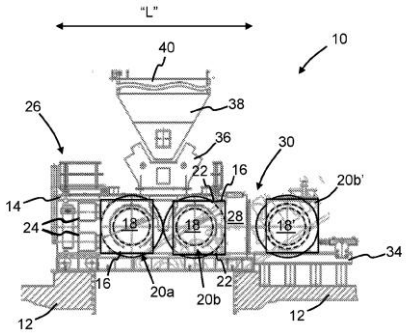
21: 2023/09077. 22: 2023/09/27. 43: 2025/03/12
51: E21B
71: HOLTZHAUSEN, Johann, Andre, THERON, Riaan, Dawid
72: THERON, Riaan, Dawid, HOLTZHAUSEN, Johann, Andre
33: ZA 31: 2022/09010 32: 2022-08-12
54: DRILLING MONITORING SYSTEM
00: -
A drilling monitoring system for, in use, monitoring drilling equipment, which includes data capturing means for capturing acquired data associated with predefined drilling parameters of the drilling equipment and a remotely located display for displaying acquired data.

21: 2023/09121. 22: 2023/09/27. 43: 2025/03/13
51: A61K; A61Q
71: FOLLEA INTERNATIONAL
72: GOREN, OFER A
54: COMPOSITIONS AND METHODS FOR AN ORAL SUPPLEMENT TO ORAL MINOXIDIL FOR THE TREATMENT OF ALOPECIA
00: -
Embodiments can relate to compositions and methods for the treatment of hair loss, which can include treatment of alopecia. The compositions and methods relate to an oral supplement to oral minoxidil includes a SLC22A9 inducer, a HIF-alpha inducer, and/or an acidifying agent. Acidifying blood of a patient suffering from alopecia can cause mild acidosis which can up-regulate SLC22A9 and/or down-regulate AABC3. Inducing SLC22A9, inducing HIF-alpha, and/or acidifying blood of the patient can facilitate oral forms of minoxidil to enter hair follicles.

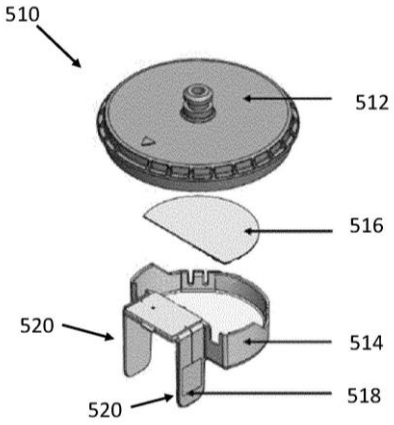
21: 2023/09176. 22: 2023/09/29. 43: 2025/04/23
51: C12N
71: MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG
72: BEHRENS, Sven-Erik, GURSINSKY, Torsten, GAGO-ZACHERT, Selma, GRUBER, Cornelia, PANTALEO, Vitantonio, GHASEMZADEH, Ayson
33: DE 31: 10 2021 107 508.4 32: 2021-03-25
54: RELIABLE IDENTIFICATION OF REGIONS ('A-SITES') IN COMPLEX RNA MOLECULES THAT ARE ACCESSIBLE TO NUCLEIC ACIDS OR COMPLEXES OF NUCLEIC ACIDS WITH ENDONUCLEASES
00: -
The invention relates to a method for detecting accessible regions ('a-sites') in complex RNA molecules (target RNAs), wherein nucleic acids or complexes of these nucleic acids and endonucleases associated therewith bind to the a-sites and alter the function of the target RNAs, characterized in that the method comprises the following steps: (iv) Provision of a target RNA; (v) esiRNA/ERNA screen that identifies siRNAs that can reliably induce a functional change in this target RNA in complexes with Argonaute (AGO) proteins; (vi) subsequent assay with derived antisense DNA oligonucleotides (ASO) to determine whether they can induce a functional change in the target RNA in the presence or absence of RNase H and/or (vii) subsequent testing with g/crRNAs derived therefrom to determine whether they can induce a functional change in the target RNA in the presence of a Cas protein; and (viii) Identification of a-sites in the target RNA, whereby nucleic acids of different types ('eNAs') bind to the a-sites and either alone or through an associated endonuclease alter the function of this target RNA. The invention further relates to the use of the method for identifying eNAs capable of directing endonucleases selected from AGO proteins, RNase H and Cas proteins to the a-sites of target RNAs and, in the presence or absence of these endonucleases, preferably reliably affecting/altering the function of these RNA molecules; and eNAs and composition containing these eNAs in pathogen control.

21: 2023/09493. 22: 2023/10/11. 43: 2025/04/25
51: B02C; B03B
71: WEIR MINERALS NETHERLANDS B.V.
72: HESEN, Martijn
33: GB 31: 2108261.5 32: 2021-06-09
54: HIGH PRESSURE GRINDING ROLL
00: -
A high pressure grinding roll comprising a high pressure grinding roll module installed in a space envelope defined by an upper walkway support structure having an ore input area and a lower structural plinth having an ore output area.. The module comprises: (i) (i) a pair of upper support beams coupled to the upper walkway support

structure; (ii) a pair of lower support beams mounted on the lower structural plinth; and (iii) a pair of counter-rotating grinding rollers mounted between the upper and lower support beams. The upper and lower support beams are dimensioned to provide full structural support for the pair of grinding rolls during operation so that the high pressure grinding roll module comprises a fully operational high pressure grinding roll, even prior to mounting of the module into the envelope defined by the upper walkway support structure and the lower structural plinth.



21: 2023/09609. 22: 2023/10/13. 43: 2025/04/14
51: A61M
71: T.J.Smith and Nephew, Limited
72: ASKEM, Ben Alan, ELDER, David Michael, GREGORY, Robert, GUARDIOLA, David Garcia, HUNT, Allan Kenneth Frazer Grugeon, MAGGIORE, Andrea, MILNER, Christopher James, QUINTANAR, Felix Clarence, STRACHAN, Kirsty Margaret
33: EP 31: 21382346.1 32: 2021-04-21
54: CANISTER STATUS DETERMINATION FOR NEGATIVE PRESSURE WOUND THERAPY DEVICES
00: -
A negative pressure wound therapy device can include one or more fluid detection systems. A canister fluid level detection system can incorporate various fluid detection devices to communicate data relating to the fluid level of the canister. In some cases, a negative pressure wound therapy device can include a device housing, a negative pressure source, and a canister configured to be in fluid communication with the negative pressure source. The canister can include a canister housing configured to store fluid aspirated from a wound, a cap connected to the canister housing, and a fluid level sensor supported by the cap. The fluid level sensor can be configured to detect a completed electrical circuit when the fluid aspirated from the wound comes into contact with the sensor. An electronic circuitry can be configured to detect a state of the sensor and provide an indication of a status of the canister.



21: 2023/09632. 22: 2023/10/16. 43: 2025/04/14
51: A61K; A61P
71: DUTTA, Abhishek, PAUL, Swastika
72: DUTTA, Abhishek, PAUL, Swastika
33: IN 31: 202131059239 32: 2021-12-20
54: A TARGET SPECIFIC EXOSOME BASED DELIVERY VEHICLE AND A BIO-FORMULATION TO OBTAIN THE SAME
00: -
The present invention discloses an exosome based delivery vehicle for targeted delivery of active substances to cancer cells and cancer stem cells. The delivery vehicle is obtained by the method including the steps of incubating monocytes in a culture medium containing a bio-formulation to obtain a dendritic cells, adding an active substance into the culture medium containing the dendritic cells to obtain an exosome based delivery vehicle loaded with active substances and isolating the exosome based delivery vehicle from the culture medium for targeted delivery of active substances specific to cancer cells and cancer stem cells. The present invention also discloses a bio-formulation to increase the specificity of exosome-based delivery vehicle to cancer cells and cancer stem cells. The bio-formulation includes a granulocyte macrophage colony-stimulating factor, an interleukin 4, an ionomycin, a tumor necrosis factor alpha, an IL1ß, a LPS and an angiotensin II.

21: 2023/09854. 22: 2023/10/23. 43: 2025/03/12

51: H04W
71: NOKIA TECHNOLOGIES OY
72: KIILERICH PRATAS, Nuno, Manuel, LASELVA, Daniela, HAILU, Sofonias
33: FI 31: 20215323 32: 2021-03-23
54: METHODS AND APPARATUSES FOR SMALL DATA TRANSMISSIONS IN INACTIVE STATE
00: -
An apparatus for use by a communication element or function configured to act as a communication element or function in a communication network, the apparatus comprising at least one processing circuitry, and at least one memory for storing instructions to be executed by the processing circuitry, wherein the at least one memory and the instructions are configured to, with the at least one processing circuitry, cause the apparatus at least: to obtain (S240) a first set of metrics indicating at least one of a signal level and a signal quality of at least one beam associated with the communication network, to obtain (S440), before a small data transmission is conducted, a second set of metrics indicating at least one of a signal level and signal quality of at least one beam associated with the communication network, to conduct (S450) a validation processing for determining whether a timing advance setting is valid, wherein the determination is based on the obtained first set of metrics and the obtained second set of metrics and a preset rule related to at least one beam related to the communication network, and to select a small data transmission mode on the basis of a result of the validation processing.

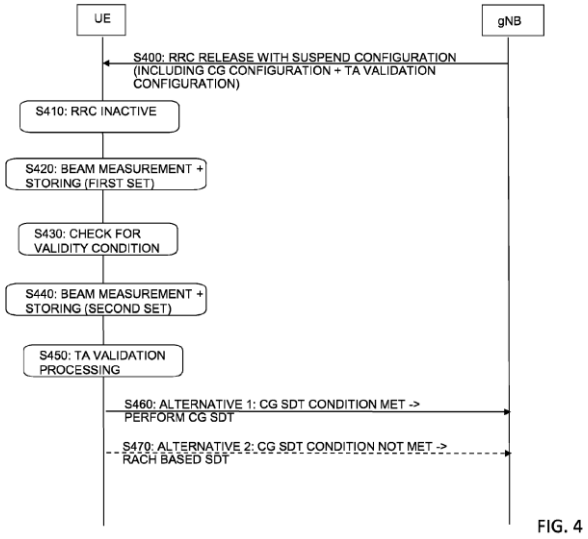
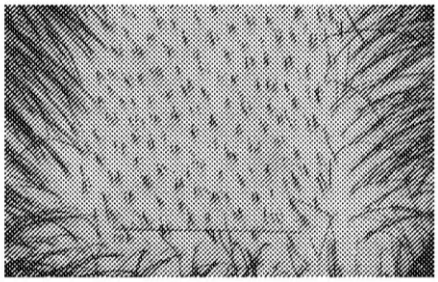


FIG. 4

21: 2023/09922. 22: 2023/10/24. 43: 2025/03/07
51: C07K; A61K
71: MICROBIO (SHANGHAI) CO., LTD.
72: CHANG, YI-CHUNG, CHEN, HUI-YU, YANG, CHI-FAN, CHEN, HUAI-YI
33: CN 31: PCT/CN2021/089305 32: 2021-04-23
54: CYCLIC PEPTIDE-N-ACETYLGALACTOSAMINE (GALNAC) CONJUGATES FOR DRUG DELIVERY TO LIVER CELLS
00: -
A conjugate comprising a cyclic peptide scaffold and one or more N-acetylgalactosamine (GalNAc) moieties. The conjugate may further carry a diagnostic or therapeutic agent for use in delivering the agent to liver cells. In some embodiments, the cyclic peptide may have 4-10 amino acid residues. The GalNAc moieties can be covalently bound to the cyclic peptide scaffold via a first linker and the agent can be covalently bound to the cyclic peptide scaffold via a second linker.

21: 2023/09927. 22: 2023/10/24. 43: 2025/03/14
51: A61K; A61Q
71: Virtue Labs, LLC
72: FALCO, Erin, JACOBSEN, William, REINER, Marc, VELLOZZI, Debby, SHARPE, Emily Anne
33: US 31: 63/174,875 32: 2021-04-14
54: HAIR TREATMENT COMPOSITIONS AND METHODS OF USE
00: -
Hair treatment compositions are provided that include alpha keratin and gamma keratin proteins

derived from human hair, at least one biomimetic signal peptide, and red clover extract. Methods of treatment are also provided.

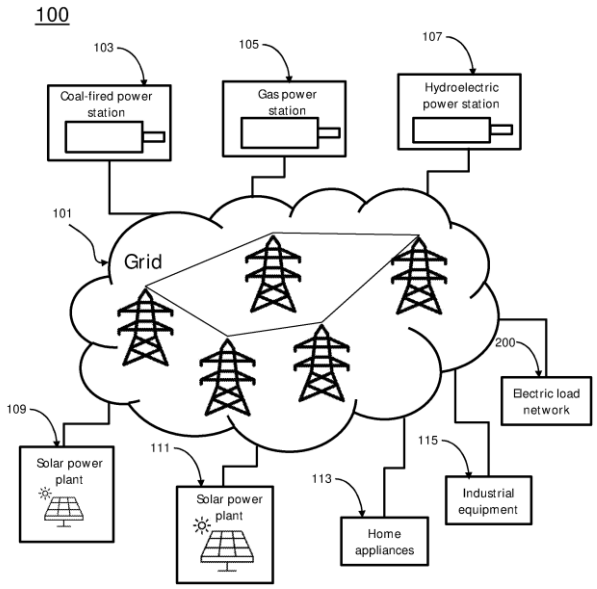


21: 2023/10248. 22: 2023/11/02. 43: 2025/04/17
51: G01R; G05B; H02J; H04L; G06Q
71: FIRMUS TECHNOLOGIES PTY LTD
72: LEVEE, Jonathan
33: AU 31: 2021901293 32: 2021-04-30

54: AN ELECTRIC LOAD NETWORK AND METHOD FOR ADJUSTING AN OPERATION FREQUENCY OF AN ELECTRICITY GRID IN REAL TIME

00: -

There is provided an electric load network (200) for adjusting an operation frequency of an electricity grid (101) in real time. The electric load network (200) may comprise: a set of computing devices (201); a site server (203) that is connected to the set of computing devices (201); a frequency reader (205) that is connected to the site server (203), the frequency reader (205); wherein the site server (203) is configured to obtain from the frequency reader (205) the operation frequency of the electricity grid (101); determine a frequency difference between the operation frequency and a reference operation frequency; and instruct the set of computing devices (201) to change the collective operation power of the set of computing devices (201) based on the frequency difference to adjust the operation frequency of the electricity grid (101).

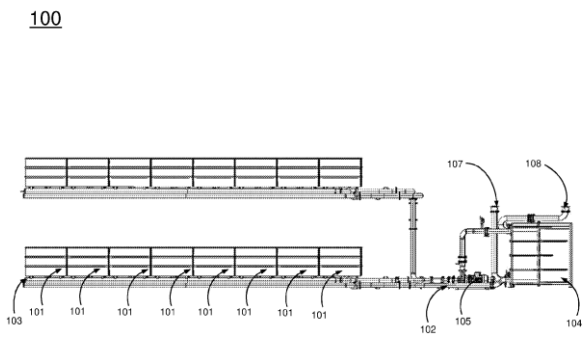


21: 2023/10249. 22: 2023/11/02. 43: 2025/04/17
51: F28D; G05D; H05K
71: FIRMUS METAL TECHNOLOGIES SINGAPORE PTE LTD
72: LEVEE, Jonathan, CURTIS, Oliver, BULLS, Andrew, KERR, Hamish
33: AU 31: 2021901373 32: 2021-05-07

54: A TANK FOR HEAT DISSIPATION AND A COOLING SYSTEM INCLUDING THE SAME

00: -

A cooling system (100), comprising: multiple cooling tanks (101), each of the cooling tanks (101) being configured to accommodate a liquid coolant; a set of connection pipes (106) configured to fluidly connect the multiple cooling tanks (101); a set of inlet pipes (102) fluidly connected to the multiple cooling tanks (101) to supply the liquid coolant into the multiple cooling tanks (101); a set of outlet pipes (103) fluidly connected to the multiple cooling tanks (101) to release the liquid coolant carrying the heat absorbed from the computing devices (520) out of the multiple cooling tanks (101); a heat exchanger (104) that fluidly connects to each of the set of inlet pipes (102) and each of the set of outlet pipes (103); and a coolant pump (105) that fluidly connects to each of the set of outlet pipes (103).



21: 2023/10297. 22: 2023/11/03. 43: 2025/04/04
51: B01J
71: LINDE GMBH, BASF SE, SABIC GLOBAL TECHNOLOGIES B.V.
72: ZELLHUBER, Mathieu, HOFSTÄTTER, Martin, KOCHENDOERFER, Kiara Aenne, SHUSTOV, Andrey, JENNE, Eric, DR. HAUNERT, Andrea, STEVENSON, Scott A., BROEKHUIS, Robert R., WARD, Andrew M.
33: EP 31: 21167191.2 32: 2021-04-07
54: METHOD FOR CARRYING OUT A CHEMICAL REACTION AND REACTOR ARRANGEMENT
00: -
The present invention relates to a method for carrying out a chemical reaction using a reactor arrangement (100-400) in which reaction tubes (2) arranged in a reactor vessel (1) are heated to a reaction tube temperature level between 400 °C and 5 1,500 °C during a reaction period using radiant heat provided by means of one or more electric heating elements (3) arranged in the reactor vessel (1). It is provided that in at least a part of the reactor vessel (1) in which the heating elements (3) are provided, a gas atmosphere is provided during the reaction period, which gas atmosphere has a defined volume fraction of oxygen. A corresponding reactor arrangement (100-400) is also a part of the present invention.

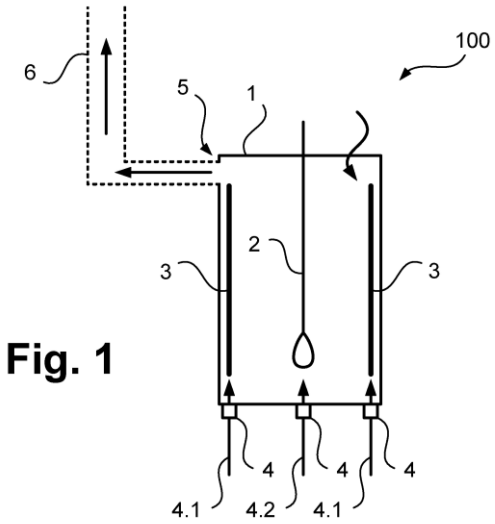
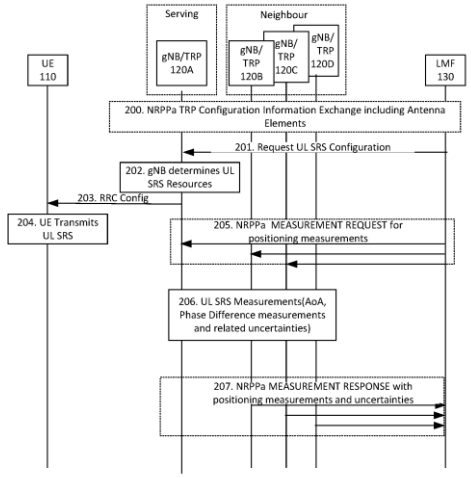
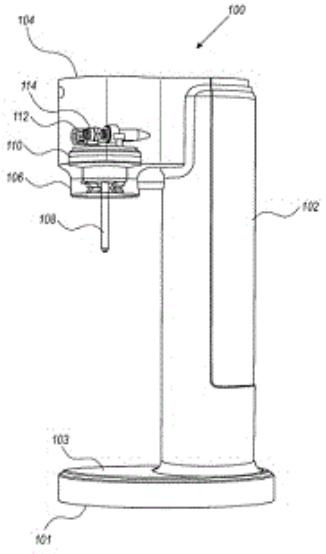


Fig. 1

21: 2023/10402. 22: 2023/11/08. 43: 2025/03/12
51: H04B G01S
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: ERNSTRÖM, Per, LINDMARK, Gustav, DWIVEDI, Satyam, MUNIER, Florent, LYAZIDI, Mohammed, Yazid, GUNNARSSON, Fredrik, SHREEVASTAV, Ritesh
33: US 31: 63/173,813 32: 2021-04-12
54: METHODS, ACCESS NODE AND NETWORK NODE FOR ADDRESSING AMBIGUITIES IN ANGLE OF ARRIVAL ESTIMATION
00: -
Systems and methods for handling multiple Angle of Arrival (AoA) solutions and their associated ambiguities are provided herein. A network node instructs for a wireless device to transmit reference signals for positioning measurements. An access node can perform positioning measurements, including measuring a plurality of AoA values for the reference signals, and report the positioning measurements accordingly.



21: 2023/10418. 22: 2023/11/08. 43: 2025/03/20
51: B01F
71: SODASTREAM INDUSTRIES LTD.
72: SHALEV, OREN, COHEN, AVI, BURSAK, MICHAEL, RING, ALLAN, HARDUFF, HAGAI, KROM, DORON, SHMUELI, EYAL, TSINZOVSKY, MICHAEL
33: US 31: 17/340,092 32: 2021-06-07
54: CARBONATION MACHINE WITH ROTATABLE CARBONATION HEAD
00: -
A carbonation machine includes a rotatable carbonation head including at least one pressure release valve, a carbonation tube connectable via piping to a gas canister and a flange for engaging a neck of a bottle filled with liquid to be carbonated by screwing the neck into or onto the flange to firmly hold the bottle with the carbonation tube maintained inside the bottle, and for disengaging the neck of the bottle from the flange by unscrewing the neck off the flange. The rotatable carbonation head is configured, when screwing the neck into or onto the flange, to be rotated from a release position to a lock position, and is configured, when unscrewing the neck off the flange, to be rotated from the lock position to the release position. In the release position said at least one pressure release valve is operated to open so as to release excess pressure if such excess pressure exists in the bottle, and in the lock position said at least one pressure valve remains closed.



21: 2023/10593. 22: 2023/11/15. 43: 2025/03/12
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.

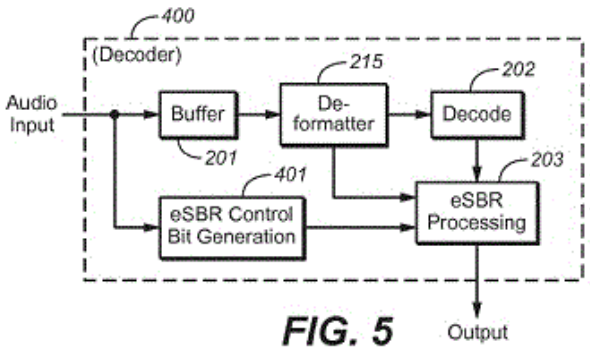
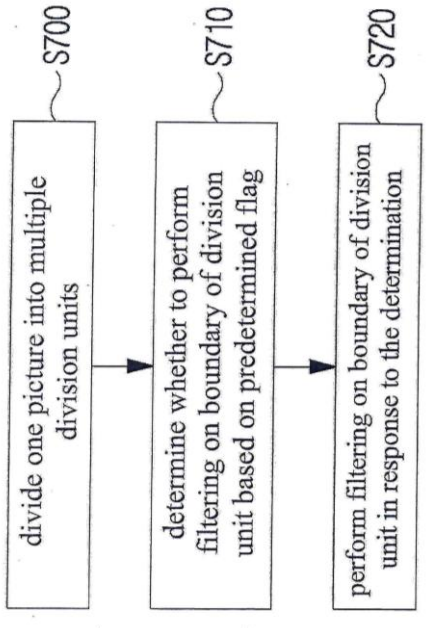
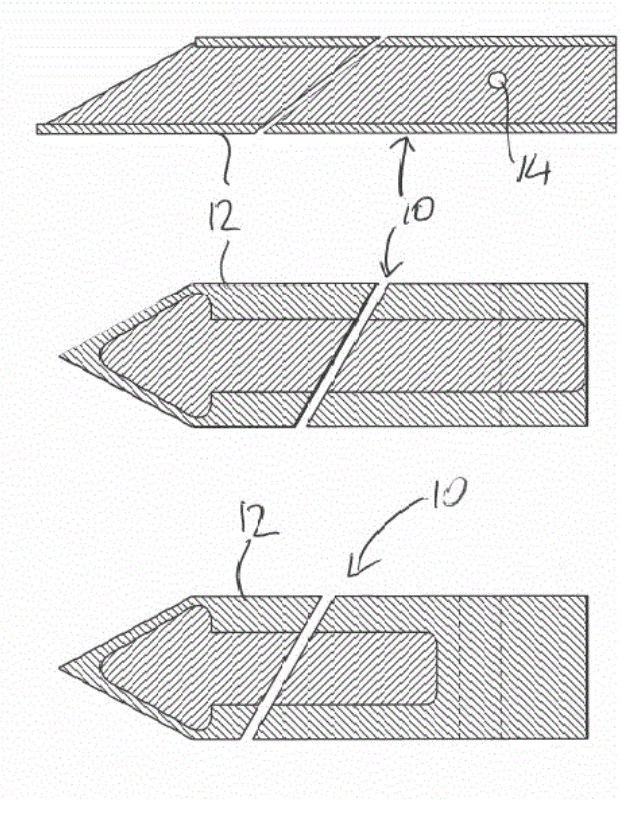


FIG. 5

21: 2023/10885. 22: 2023/11/24. 43: 2025/04/04
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
33: WO 31: PCT/KR2020/012252 32: 2020-09-10
33: KR 31: 10-2019-0115073 32: 2019-09-18
54: IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS
00: -
An image encoding/decoding method and apparatus of the present invention may divide one picture into a plurality of division units, determine whether or not to perform filtering on a boundary of a current division unit, and perform filtering on the boundary of the current division unit in response to the determination.

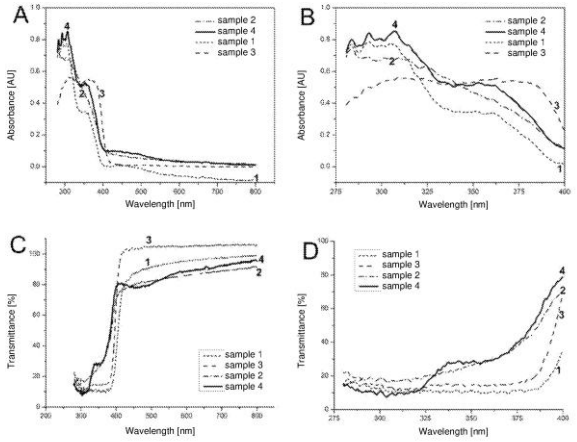


21: 2023/10999. 22: 2023/11/29. 43: 2025/03/12
51: E21D
71: VALOTECH 181 CC
72: DAVIES, Craig, David, DAVIES, Gordon, Daniel
33: ZA 31: 2022/10801 32: 2022-09-30
54: POINT ANCHORED ROCK BOLT
00: -
The invention provides a point anchored friction composite rock bolt including a non-metallic tubular body wherein a portion of the tubular body is split or has a slot therein, a point anchor in the tip, and one or more of a tapered wedge grip clamp, a crimped tubular sleeve, and a washer plate on a back end thereof.

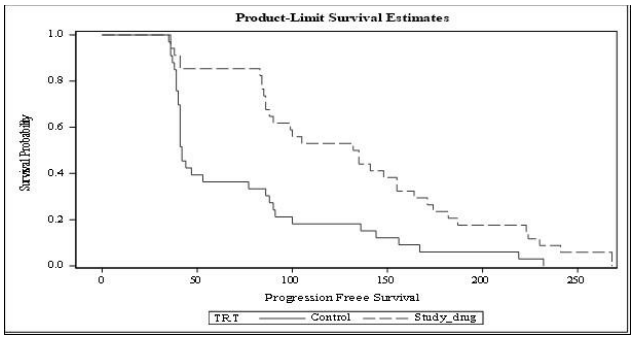


21: 2023/11099. 22: 2023/11/30. 43: 2025/03/06
51: C07D; C09B; C12N; C12P; C12R; A61Q
71: UVERA SA
72: KICIAK, Adam, JANDER, Magdalena
33: PL 31: P.437991 32: 2021-05-28
54: A PROCESS FOR THE ISOLATION AND CULTURE OF STRAINS, THE STRAINS, USE THEREOF, MEDIA FOR CULTURING THEREOF AND A FORM OF SCYTONEMIN
00: -
The object of the invention is a process for the isolation and culture of strains, the strains, use

thereof, media for culturing thereof and a form of scytonemin.



21: 2023/11291. 22: 2023/12/07. 43: 2025/04/17
51: A61K; A61P
71: NATCO PHARMA LIMITED
72: YADLA, Sheshu Babu, MYNENI, Praveen Chowdary, GOGULA, Venkata Ramana, NANNAPANENI, Venkaiah Chowdary
33: GB 31: 2108300.1 32: 2021-06-10
33: GB 31: 2108302.7 32: 2021-06-10
54: EGFR INHIBITOR FOR THE TREATMENT OF HEAD AND NECK CANCER
00: -
The invention relates to the treatment of recurrent and/or metastatic squamous cell carcinoma of the head and neck (preferably recurrent squamous cell carcinoma of the head and neck) with a compound which is (3-ethynyl-phenyl)-[7-methoxy-6-(3-morpholin-4-yl-propoxy)-quinazolin-4-yl]-amine (NRC-2694) or a pharmaceutically acceptable salt thereof. The invention also relates to the treatment of head and neck cancer with a compound which is (3-ethynyl-phenyl)-[7-methoxy-6-(3-morpholin-4-yl-propoxy)-quinazolin-4-yl]-amine (NRC-2694) or a pharmaceutically acceptable salt thereof, wherein the treating the head and neck cancer comprises reducing the size of one or more tumours associated with the head and neck cancer.



21: 2023/11366. 22: 2023/12/11. 43: 2025/04/17
51: A61K; C07K; C12N; A61P
71: SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD.
72: JIA, Zhenhua
33: CN 31: PCT/CN2021/097239 32: 2021-05-31
33: CN 31: PCT/CN2021/097240 32: 2021-05-31
33: CN 31: PCT/CN2021/106783 32: 2021-07-16
33: CN 31: PCT/CN2021/106784 32: 2021-07-16
54: MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF
00: -
A panel of monoclonal antibodies which specifically bind to CLDN18.2 and do not specifically bind to CLDN18.1, and optionally have an engineered Fc region is provided.

21: 2023/11457. 22: 2023/12/13. 43: 2025/03/12
51: C07K C12N C12P
71: EVONIK OPERATIONS GMBH
72: JANKOWITSCH, Frank, MARIN, Kay, SCHNEIDER, Frank, BATHE, Brigitte
33: EP 31: 21175138.3 32: 2021-05-21
33: EP 31: 21208485.9 32: 2021-11-16
54: IMPROVED BIOTECHNOLOGICAL METHOD FOR PRODUCING GUANIDINO ACETIC ACID (GAA) BY INACTIVATION OF AN AMINO ACID EXPORTER
00: -
The present invention relates to a microorganism transformed to be capable of producing guanidinoacetic acid (GAA) having an inactivated amino acid exporter and to a method for the fermentative production of GAA using such microorganism. The present invention also relates to a method for the fermentative production of creatine.

21: 2023/11566. 22: 2023/12/18. 43: 2025/03/20
51: G01R
71: SOLMAX INTERNATIONAL INC.

72: YOUNGBLOOD, Jimmie Gordon, Jr.
33: WO 31: PCT/IB2021/000399 32: 2021-06-02
54: APPARATUS AND METHOD FOR DETECTING HOLIDAYS IN LINERS
00: -
An apparatus and method for identifying liner holidays, with a generator having two contacts with a liner and pulsing current to a moving one of the contacts. A plurality of detected electric signals are processed to continuously generate a baseline indicative of a holiday. A holiday signal is actuated when a signal is detected which when compared to the generated baseline indicates a holiday. A plurality of electric signal types and baselines, such as current strength and voltage, may be separately detected with a holiday signal actuated when either signal type is detected which when compared to its generated baseline indicates a holiday. The moving contact may be flexible to conform to contour of the liner.

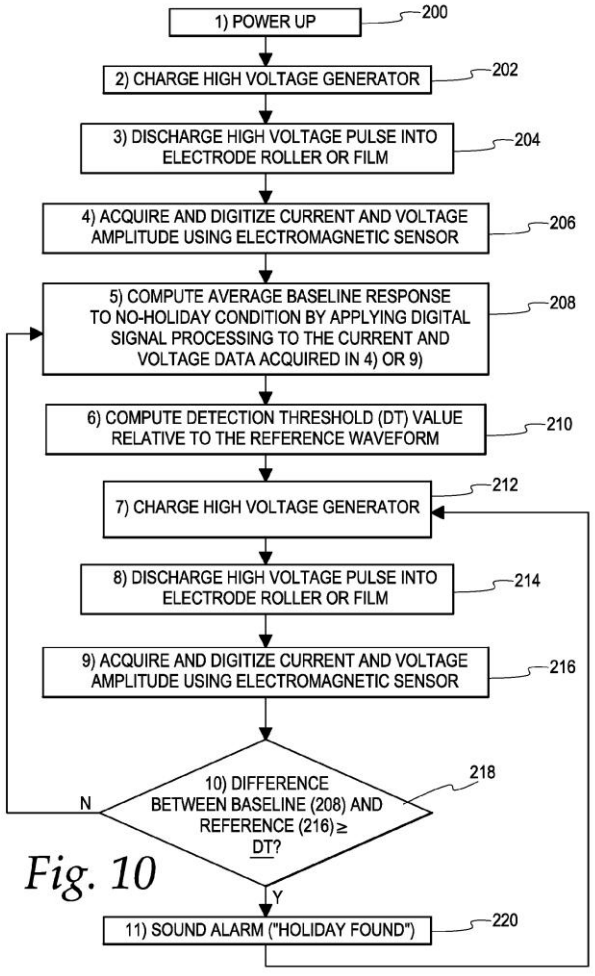
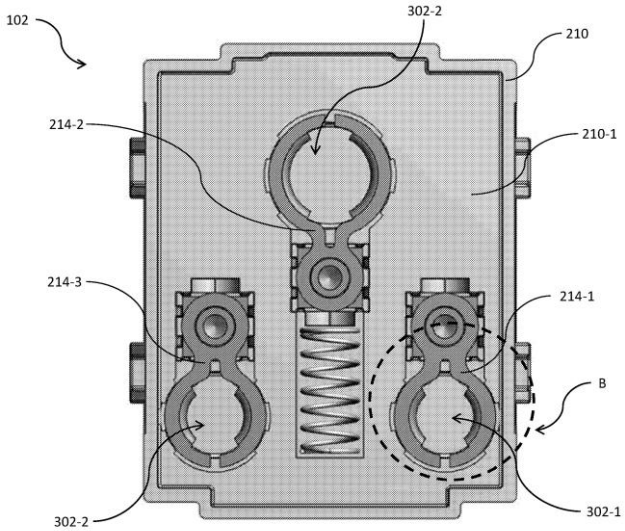


Fig. 10

21: 2023/11650. 22: 2023/12/19. 43: 2025/04/07
51: H01R
71: PANASONIC LIFE SOLUTIONS INDIA PRIVATE LIMITED
72: AGLAWE, Abhijit, KUMAR, Pankaj, GAIKWAD, Akshay
33: IN 31: 202121024766 32: 2021-06-03
54: AN ELECTRICAL SOCKET ASSEMBLY
00: -
An electrical socket assembly (102) is disclosed. The electrical socket assembly (102) includes a housing member (210) having at least one slot (302) adapted to receive an electrical pin of an electrical plug (100). Further, the electrical socket assembly (102) includes at least one contact element (214) disposed in a recess (504) adjacent to the at least one slot (302) of the housing member (210). The at least one contact element (214) is adapted to resiliently expand to allow insertion of the electrical pin through the at least one contact element (214). The housing member (210) includes a plurality of regulating members (504) surrounding the recess adjacent to the at least one slot (302). Each of the plurality of regulating members (504) is adapted to regulate expansion of the at least one contact element (214) when the electrical pin is inserted in the at least one slot (302) through the at least one contact element (214).



21: 2023/11651. 22: 2023/12/19. 43: 2025/04/07
51: H01R
71: PANASONIC LIFE SOLUTIONS INDIA PRIVATE LIMITED

72: AGLAWE, Abhijit, KUMAR, Pankaj, GAIKWAD, Akshay
33: IN 31: 202121024767 32: 2021-06-03
54: AN ELECTRICAL SOCKET ASSEMBLY WITH AN IMPROVED CONTACT ELEMENT
00: -
An electrical socket assembly with an improved contact element is disclosed. The electrical socket assembly includes a housing member having at least one slot adapted to receive an electrical pin of an electrical plug. Further, the electrical socket assembly includes at least one contact element disposed in a recess adjacent to the at least one slot of the housing member. The at least one contact element includes an engaging portion and a receiving portion distal to the engaging portion. The at least one contact element is adapted to receive the electrical pin in a vertical direction along a length of the at least one slot. The receiving portion comprises an opening adapted to radially expand when the electrical pin is inserted in at least one slot through the receiving portion.

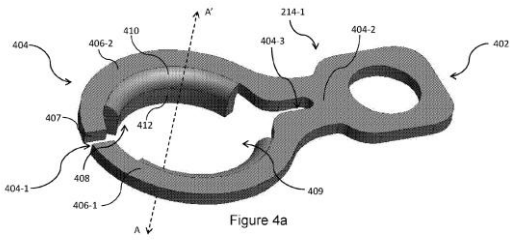
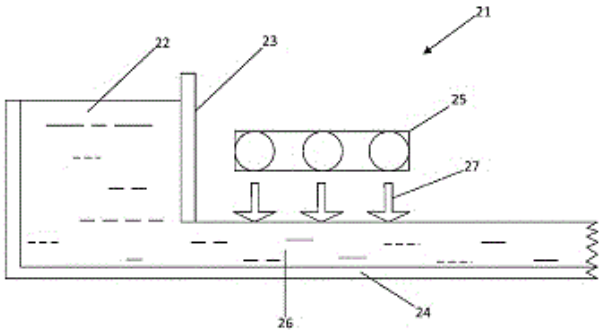


Figure 4a

21: 2024/00397. 22: 2024/01/11. 43: 2025/03/14
51: C02F
71: NOVOLABS LIMITED
72: SHILTON, ANDREW NICHOLAS
33: NZ 31: 777519 32: 2021-06-25
33: AU 31: 2021221445 32: 2021-08-24
54: LIQUID TREATMENT METHOD AND APPARATUS
00: -
Apparatuses for treating liquids and methods of using the apparatuses. A treatment apparatus can have a conduit, a radiation source and a slot. The slot can have a height greater than 6 mm and allows liquid to flow into the conduit in a supercritical flow. A liquid treatment apparatus can include a plurality of treatment modules with separate liquid flows. The modules can be pulled out from the module without disconnection of the modules from a liquid source or drain. The modules can have lids to allow access to their interiors. An inlet component for producing a supercritical flow is also disclosed.



21: 2024/00400. 22: 2024/01/11. 43: 2025/03/14
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: APPAVOO, SHANTHI, MAHAPATRA, SAMIRAN, PAUL, PINTU
33: EP 31: 21189591.7 32: 2021-08-04
54: A STABLE BLEACH COMPOSITION
00: -
The present invention relates to improving the stability of a peroxide containing bleach composition. It particularly relates to such a composition for hard surface cleaning applications including toilet cleaning as well as for fabric cleaning application. It relates to an antimicrobial composition comprising a peroxide bleaching agent which in the presence of a cationic surfactant and an organic acid is more stable than has been heretofore known. This is achieved by inclusion of a stabilizer which in the present invention is a polyalkylene glycol compound.

21: 2024/00406. 22: 2024/01/11. 43: 2025/04/25
51: A01N; A61K; A61L; C08G; A01P
71: BIOINTERACTIONS LTD
72: LUTHRA, Sajinder Kaur, LUTHRA, Arjun Kamal Singh, LUTHRA, Arundeep Singh
33: GB 31: 2110296.7 32: 2021-07-16
33: GB 31: 2110297.5 32: 2021-07-16
54: COATINGS, FORMULATIONS, USES AND COATING METHODS
00: -
The present disclosure relates to coatings, formulations and coating compositions, methods for using the coatings and coating compositions, and methods for applying the coatings to substrates or articles. The coatings disclosed herein are long-lasting, and are suitable for application to a wide

variety of substrates or articles, which may include substrates or articles formed from natural and/or artificial materials, including plastic, metal, textiles and/or other artificial materials, and also to living substrates.

21: 2024/00448. 22: 2024/01/12. 43: 2025/03/14
51: B62D
71: CATERPILLAR INC.
72: MATE, EDWARD W, O'NEILL, WILLIAM N, PETERSON, JEREMY T, CARPENTER, RICHARD A
33: US 31: 17/376,982 32: 2021-07-15
54: FAULT DETECTION FOR SECONDARY STEERING SYSTEM
00: -
A secondary steering pump system (100) includes a secondary steering pump (108), a bypass valve (110) having a first bypass position (126) configured for placing the secondary steering pump (108) in fluid communication with a hydraulic tank (104) and a second use/testing position (128) configured for placing the secondary steering pump (108) in fluid communication with a steering control circuit (106). The system also includes a solenoid valve (112) configured for actuation by a solenoid (146) and for selectively actuating the bypass valve (110) from the first position (126) to the second position (128). The system (100) also includes a pressure sensor (114) configured for sensing pressure in the system (100).

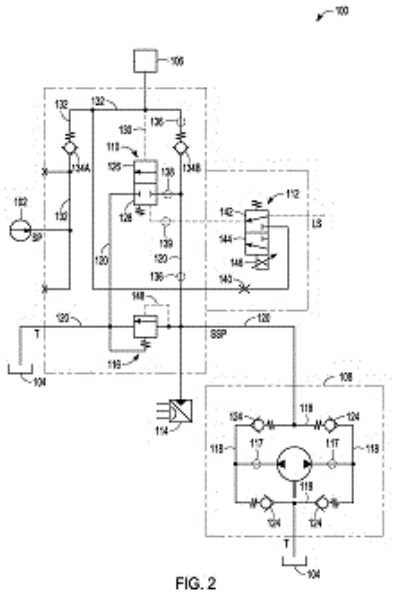


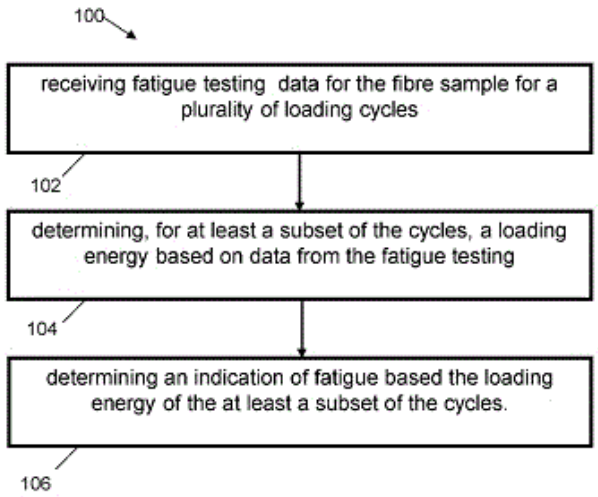
FIG. 2

21: 2024/00453. 22: 2024/01/12. 43: 2025/03/14
51: C22B
71: NIPPON DENKO CO., LTD.
72: YAMADA, NORIAKI, KATAYAMA, SHINGO
54: METHOD FOR PRODUCING MANGANESE-BASED ALLOY AND APPARATUS FOR PRODUCING THE SAME
00: -
An object of the present invention is to provide a method for producing a CO_2 emission-reducing manganese-based alloy that enables CO_2 emission reduction in the production of a manganese-based alloy, and an apparatus for producing the same. Provided is a method for producing a CO_2 emission-reducing manganese-based alloy, including a step (1) of subjecting manganese ore to hydrogen-reduction by heating to produce reduced manganese ore.

21: 2024/00457. 22: 2024/01/12. 43: 2025/03/14
51: C12N; C07K; C12P
71: CJ CHEILJEDANG CORPORATION
72: KWON, NARA, LEE, AH REUM, SONG, GYUHYEON, LEE, JIN NAM, BONG, HYUN-JU
33: KR 31: 10-2021-0098072 32: 2021-07-26
54: MICROORGANISM HAVING WEAKENED ACTIVITY OF LACI FAMILY DNA-BINDING TRANSCRIPTIONAL REGULATOR, AND L-GLUTAMIC ACID PRODUCTION METHOD USING SAME
00: -
The application relates to a microorganism having weakened activity of a LacI family DNA-binding transcriptional regulator protein, and an L-glutamic acid production method using same. A Corynebacterium sp. microorganism having weakened activity of a LacI family DNA-binding transcriptional regulator protein has remarkably increased L-glutamic acid productivity, and thus the microorganism can produce L-glutamic acid in a yield higher than that of a conventional microorganism by using same.

21: 2024/00460. 22: 2024/01/12. 43: 2025/03/14
51: G01N
71: UNILEVER GLOBAL IP LIMITED
72: LEE, KENNETH STUART
33: EP 31: 21186193.5 32: 2021-07-16
54: FATIGUE EVALUATION IN FIBRE SAMPLE
00: -
An apparatus, method and associated computer program for evaluating fatigue in a fibre sample

comprising hair fibres is disclosed. The method comprises: receiving fatigue testing data for the fibre sample for a plurality of loading cycles, in which the fatigue testing data comprises force or stress against displacement or strain data; determining, for at least a subset of the cycles, a loading energy based on data from the fatigue testing data; and determining an indication of fatigue in the fibre sample based on the loading energy of the at least a subset of the cycles.



21: 2024/00496. 22: 2024/01/15. 43: 2025/03/14
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BATCHELOR, STEPHEN NORMAN, CUMMINS, ALISON, MEALING, DAVID RICHARD ARTHUR, THOMAS, MATTHEW RHYS
33: EP 31: 21189816.8 32: 2021-08-05
54: COMPOSITION
00: -
A liquid laundry detergent composition comprising from 2 to 30% wt. methyl ester ethoxylate (MEE) and from 0.01 to 10% wt. fragrance, wherein said MEE comprises C18 alkyl and wherein the fragrance comprises a fragrance component selected from manzanate, benzyl acetate, limonene, dihydromyrcenol, n-hexyl salicylate, tonalid and mixtures thereof.

21: 2024/00525. 22: 2024/01/16. 43: 2025/03/14
51: B60P; F15B
71: CATERPILLAR INC.
72: CONNOLLY, JOHN R, JUNAIDI, ALEEM, WEN, JUN
33: US 31: 17/379,745 32: 2021-07-19
54: HOIST SYSTEM COUNTERBALANCE VALVE SIGNAL SHUTOFF
00: -
A hoist valve assembly for a work machine cylinder includes a main control valve, a counterbalance valve and a counterbalance shutoff valve. A main control valve raise position connects a head end of the cylinder with a pressurized fluid source and a rod end of the cylinder to a low pressure reservoir to extend the cylinder. The counterbalance valve is between the rod end and the main control valve, is biased to a closed position and has an open position connecting the rod end to the low pressure reservoir. Rod end and head end pressure signals apply force to the counterbalance valve toward the open position. The counterbalance shutoff valve is positioned between the head end and the counterbalance valve, and has a normal position to apply the head end pressure signal to the counterbalance valve and a shutoff position that blocks the head end pressure signal from the counterbalance valve.

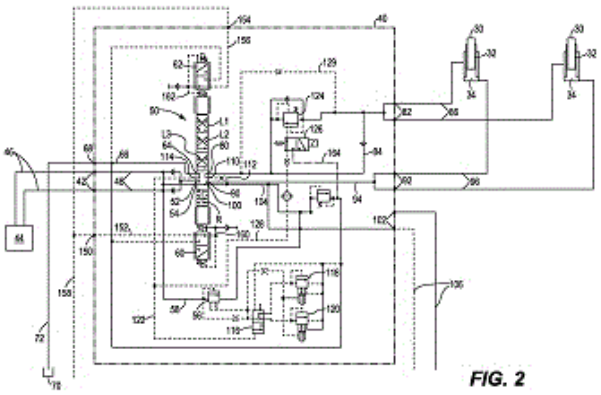


FIG. 2

21: 2024/00540. 22: 2024/01/16. 43: 2025/03/14
51: C11D; A61K; D06M
71: UNILEVER GLOBAL IP LIMITED
72: MAHAPATRA, SAMIRAN, MOHAPATRA, NAMISHA, SAMPATH KUMAR, RAMYA, VARMA, SANDEEP
33: EP 31: 21194641.3 32: 2021-09-02
54: A HYGIENE COMPOSITION FOR REDUCTION OF MALODOUR
00: -
The present invention relates to a composition that is used to reduce malodour on surfaces. Particularly, the present invention relates to a hygiene composition that ensures that soft surfaces like

those of fabric, and hard surfaces like those on utensils, furniture, floors, walls, and on toilets remain fresh and free of malodour for long time after the surface is cleaned with the composition. This is achieved through a combination of a rhamnolipid with a zinc salt in combination with a polysaccharide selected from one or more of pectin and algin.

21: 2024/00541. 22: 2024/01/16. 43: 2025/03/14
51: G21G; H05H; G21B
71: ASTRAL NEUTRONICS LTD
72: WALLACE-SMITH, TOM, FIRESTONE, TALMON CASSANDER
33: GB 31: 2108736.6 32: 2021-06-18
54: PARTICLE GENERATING APPARATUS
00: -
Particle production apparatuses and systems comprising the same are provided. A particle producing apparatus of the inertial electrostatic confinement type comprises a vessel, an anode structure and a cathode structure, wherein the anode structure and cathode structure are positioned within the vessel. The particle production apparatus further comprises a first enriched surface that is enriched with fusible isotope species, wherein the first enriched surface is at least a part of a surface of the anode structure or a surface of the cathode structure.

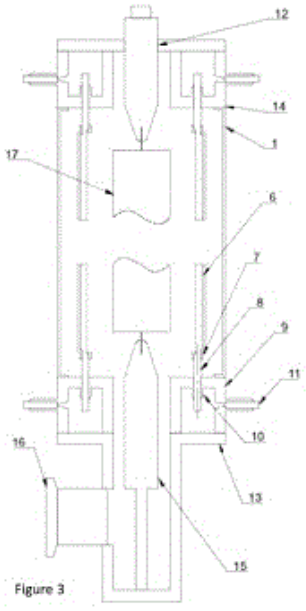


Figure 3

21: 2024/00585. 22: 2024/01/17. 43: 2025/03/14
51: F03B
71: JOUBERT TRUST
72: JOUBERT, CHRISTIAAN JOHANNES
33: ZA 31: 2021/02127 32: 2021-03-30
33: ZA 31: 2021/05004 32: 2021-07-16
54: HYDROELECTRIC ENERGY STORAGE SYSTEM
00: -
A hydroelectric energy storage and or generation system 110 and method. The system 110 comprises a first vessel 112 floating in a waterbody 114 having a level 116. The first vessel 112 has a first compartment 118 defining a first volume 120, and a first opening 122 associated with a turbine 134, through which water is allowed to flow into or from the first volume 120. The system 110 also includes a position adjustment means 130 for adjusting a vertical position of the first compartment 118 relative to the level 116 of the waterbody 114. The system 110 is configured such that upwards displacement of the first compartment 118 causes water to drain therefrom, driving the turbine.

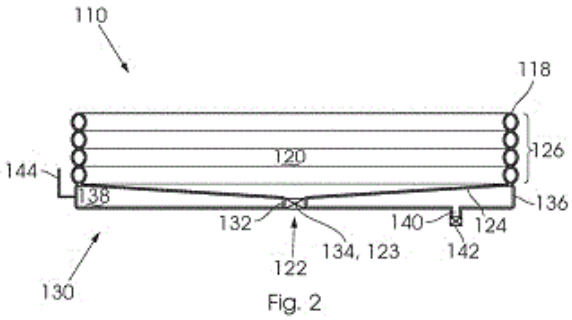
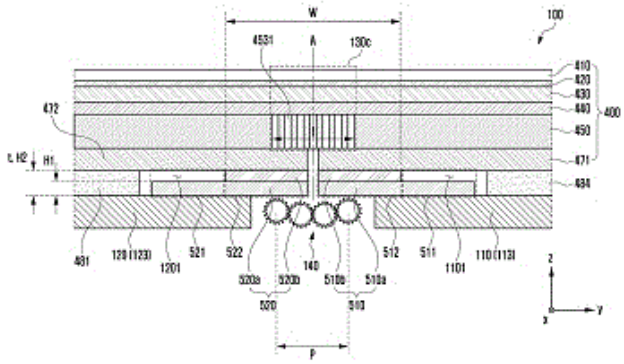


Fig. 2

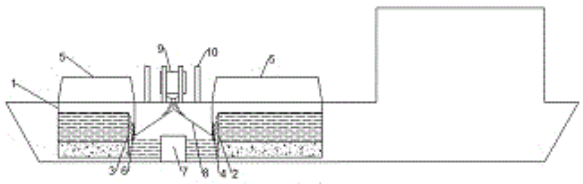
21: 2024/00586. 22: 2024/01/17. 43: 2025/03/14
51: H04M; H05K
71: SAMSUNG ELECTRONICS CO., LTD.
72: KANG, JIHOON, CHOI, JONGHWAN, SEO, WONYOUNG, CHOI, HALIM, KIM, CHIJOON
33: KR 31: 10-2021-0104432 32: 2021-08-09
33: KR 31: 10-2021-0178869 32: 2021-12-14
54: ELECTRONIC DEVICE COMPRISING DISPLAY SUPPORT STRUCTURE
00: -
According to various embodiments, an electronic device comprises: a first housing; a second housing foldably coupled to the first housing through a hinge device; a flexible display, which is arranged to be supported by the first housing and the second housing and includes a folding area deformed in a folded state; at least one waterproof member arranged between the first housing and the flexible display and/or between the second housing and the

flexible display; and at least one support structure arranged, in proximity to the at least one waterproof member, between the first housing and the flexible display and/or between the second housing and the flexible display, wherein the at least one support structure comprises: a first part arranged to have a first height; and a second part arranged to have a second height that is greater than the first height, and at least one portion of the second part can be arranged at a position where the at least one portion of the second part overlaps on at least one portion of the folding area when the flexible display is viewed from above.



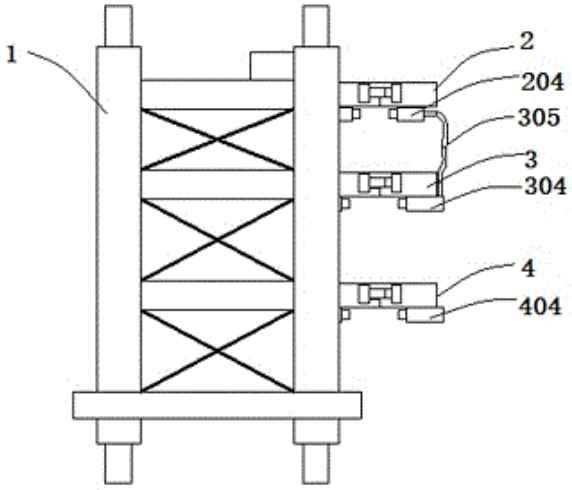
21: 2024/00591. 22: 2024/01/17. 43: 2025/03/14
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: KULKARNI, ADITI JAYAVANT, KUNDU, POOJA BHUPESH, LAHORKAR, PRAFUL GULAB RAO, PAWAR, ANKITA RUTU, PERUMAL, RAJKUMAR, VAIDYA, ASHISH ANANT
33: EP 31: 21194673.6 32: 2021-09-02
54: A PHOTOPROTECTIVE PERSONAL CARE COMPOSITION
00: -
The present invention relates to a photoprotective personal care composition, which provides high sun-protection factor along with very good photostability and sensorial properties that the consumer expects when such a composition is applied on the skin. This is achieved through a composition comprising a combination of an oil-soluble sunscreen, a water-soluble sunscreen, a non-ionic surfactant having an HLB value in the range of 9 to 20, fatty acid, humectant; and a polymer selected from one of more of dimethicone/ vinyldimethicone crosspolymer and hydrophobically modified silica.

21: 2024/00627. 22: 2024/01/18. 43: 2025/03/14
51: E02F
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: YUE, YEQING
33: CN 31: 2023114248529 32: 2023-10-31
54: DREDGING CONSTRUCTION METHOD FOR HARBOR BASIN CHANNEL CONTAINING HYDROGEN SULFIDE SOIL
00: -
The present invention discloses a dredging construction method for a harbor basin channel containing hydrogen sulfide soil, comprising: installing hydrogen sulfide detectors on a trailing suction hopper dredger, partially enclosing a hatchway of a spoil hopper with a fabric membrane, and arranging a high-power axial flow fan; analyzing a direction and wind speed of prevailing and secondary prevailing wind by a wind rose diagram, and formulating a construction plan for trailing suction hopper dredger by wind direction and speed; adjusting a rising angle of a drag lip, and dispersing mud, dissolving hydrogen sulfide into water; sucking mud into spoil hopper of trailing suction hopper dredger with full cabin replacement construction method and reducing a concentration of hydrogen sulfide with axial flow fan; and sailing trailing suction hopper dredger to a designated area when spoil hopper is full. The invention solves problems of protection, collection, and discharge of hydrogen sulfide gas.

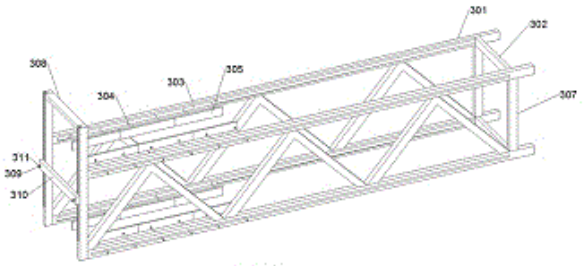


21: 2024/00628. 22: 2024/01/18. 43: 2025/03/14
51: E02D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: YANG, JIAYAN
33: CN 31: 2023114028603 32: 2023-10-27
54: STEEL PIPE PILE SINKING DEVICE AND CONSTRUCTION METHOD THEREOF
00: -
The present invention discloses a steel pipe pile sinking device, comprising: a pile stabilizing frame; a first pile holding assembly that is arranged at pile

stabilizing frame and comprises two first fixed arms and two first movable arms, which enclose to form a first accommodating cavity provided with a plurality of guide plates hinged with first accommodating cavity, a plurality of first hydraulic expansion rods arranged below first accommodating cavity and compressed by rotated guide plate; a second pile holding assembly that is arranged below first pile holding assembly and comprises two second fixed arms and two second movable arms, which enclose to form a second accommodating cavity; a plurality of second hydraulic expansion rods arranged outside second accommodating cavity and communicated with an oil cavity of adjacent first hydraulic expansion rod; and a pile sinking construction method. The present invention realizes centering and positioning steel pipe pile while lowering.

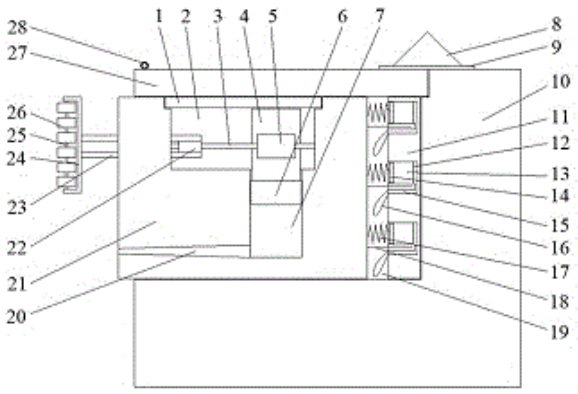


21: 2024/00629. 22: 2024/01/18. 43: 2025/03/14
51: E02D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: ZHANG, HUAQIANG
33: CN 31: 2023108713114 32: 2023-07-17
54: STEEL SHEET PILE CONSTRUCTION METHOD
00: -
The present invention discloses a steel sheet pile construction method, comprising: performing an anti-corrosion treatment on a steel sheet pile; placing a plane position line of a sunk pile, controlling designed elevation of steel sheet pile, measuring, setting-out and positioning; installing a steel sheet pile guide frame on a trestle bridge pre-built behind a berth and a pre-driven cast-in-place pile; marking a number of steel sheet pile on steel sheet pile according to a driving sequence, marking a scale waterline on steel sheet pile, transporting steel sheet pile to trestle bridge behind berth, and painting a lock of steel sheet pile with butter; driving steel sheet pile in virtue of steel sheet pile guide frame; installing an anode protection block on a underwater part of each steel sheet pile. By cooperating with a steel sheet pile guide mechanism, the method positions and drives steel sheet pile.



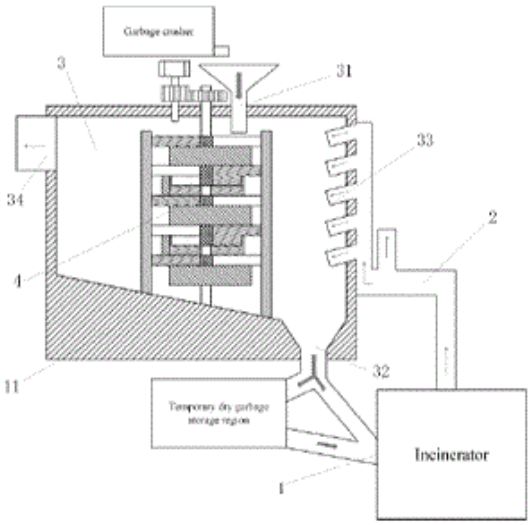
21: 2024/00630. 22: 2024/01/18. 43: 2025/03/14
51: E02B
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: HOU, JIANPENG
33: CN 31: 2023107834874 32: 2023-06-29
54: ANTI-COLLISION BUFFER PROTECTION DEVICE FOR WHARF
00: -
The present invention discloses an anti-collision buffer protection device for a wharf, comprising a wharf body provided with a plurality of accommodating grooves; multiple anti-collision buffer mechanisms arranged corresponding to accommodating grooves, comprising a moving block that is inserted in accommodating groove and provided with a power converting cavity and a hydrodynamic cavity positioned below and communicated with power converting cavity, hydrodynamic cavity communicated with sea through a water delivering channel, a horizontal transmission screw arranged in power converting cavity, transmission screw screwed with a transmission sleeve and equipped with a transmission gear, a first piston arranged in hydrodynamic cavity, which is equipped with a transmission gear rack meshed with the transmission gear; an anti-collision piece arranged on moving block and connected with transmission

sleeve through connecting rods, multiple anti-collision rubber wheels arranged on anti-collision piece. The device buffers impact impulse of a ship, and improves impact resistance effect.



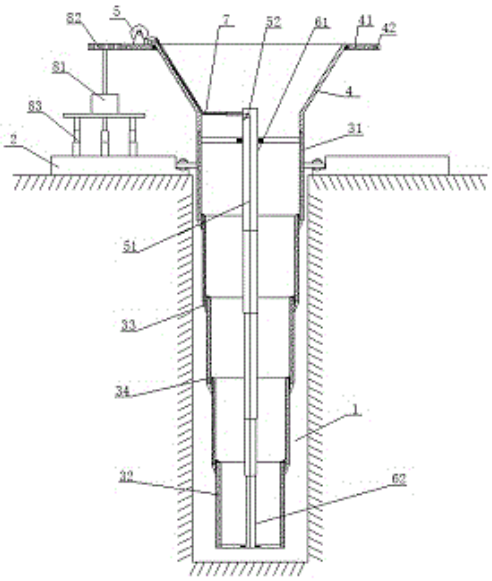
21: 2024/00631. 22: 2024/01/18. 43: 2025/03/14
51: F23G
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: HE, JUNBIAO
33: CN 31: 2023116915758 32: 2023-12-11
54: GARBAGE DRYING AND INCINERATION DEVICE
00: -

The present invention discloses a garbage drying and incineration device, comprising an incinerator, a drying chamber comprising a feed port, a discharge port, a gas inlet communicated with a flue gas pipeline, and a gas outlet, a material rack arranged below feed port comprising a central shaft and a pair of upright columns, multiple layers of pushing and scraping assemblies are connected between upright columns, and comprises a shaft sleeve, a push plate and a scraper, central shaft rotating in shaft sleeve, a horizontal tray arranged on central shaft comprising a semi-circular tray bottom and enclosure, lower side of scraper is flush with top of enclosure, and push plate is attached to horizontal tray and enclosure. The device avoids high drying energy consumption and insufficient garbage drying, and dries garbage with flue gas. Garbage falls down layer-by-layer and is air-dried, which reduces water content and improve incineration effect.



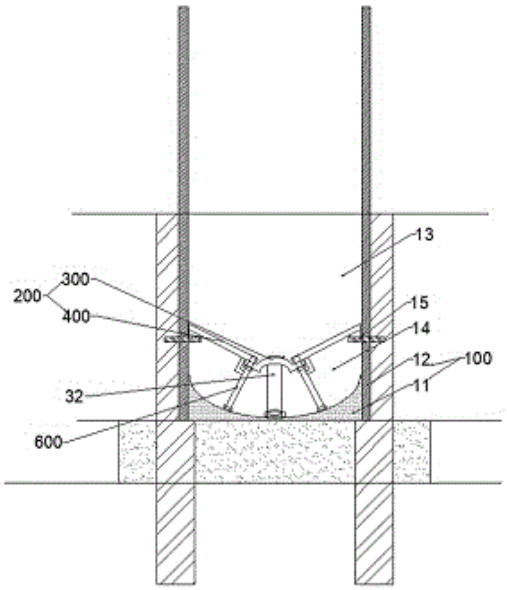
21: 2024/00632. 22: 2024/01/18. 43: 2025/03/14
51: E02D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: ZHANG, WENFENG
33: CN 31: 2023114830168 32: 2023-11-08
54: PILE FOUNDATION CONSTRUCTION DEVICE
00: -

The present invention discloses a pile foundation construction device, comprising a workbench, installed on a ground at a top of a pile foundation hole; a cast-in-place guide pipe, comprising a plurality of unit pipes sleeved in a sliding way, wherein a top of the outermost unit pipe is connected with workbench; a cast-in-place funnel is communicated with the outermost unit pipe and is communicated with a cast-in-place opening; a winding reel arranged at cast-in-place funnel; a steel wire rope, wherein one end of the steel wire rope is connected with the innermost unit pipe, and the other end extends out of cast-in-place guide pipe and is wound on wingding reel. In a pouring process, unit pipe located at lower part can be lifted upwards and folded in the outermost unit pipe, thus ensuring continuous pouring construction without affecting height position of cast-in-place opening, and improving pouring efficiency.



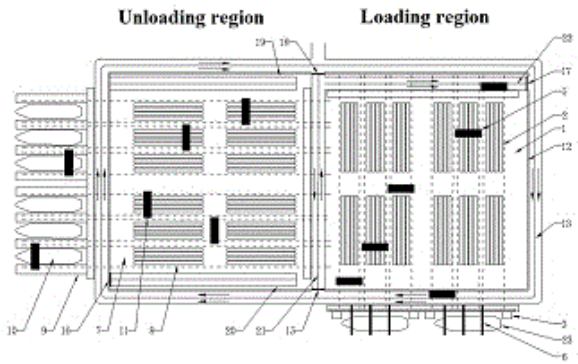
21: 2024/00633. 22: 2024/01/18. 43: 2025/03/14
51: E02D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: HE, JUNBIAO
33: CN 31: 2023116871355 32: 2023-12-11
54: FOUNDATION PIT OF GARBAGE BIN
00: -

The present invention discloses a foundation pit of a garbage bin, which comprises: a foundation pit body provided with a waterproof bin bottom and an annular bin wall surrounding the waterproof bin bottom; a filtrate laminate in an inverted frustum shape, the filtrate laminate being arranged in the foundation pit body, the filtrate laminate dividing the foundation pit body into a garbage accommodating cavity and a leachate cavity up and down, and the filtrate laminate being provided with a plurality of filter holes; and a suction assembly provided with a water pipe communicated into the leachate cavity and a pump body for supplying suction power. According to the invention, a leachate can be separated from garbage before incineration, thus reducing humidity of the garbage and reducing an adverse impact on an incineration drying section.



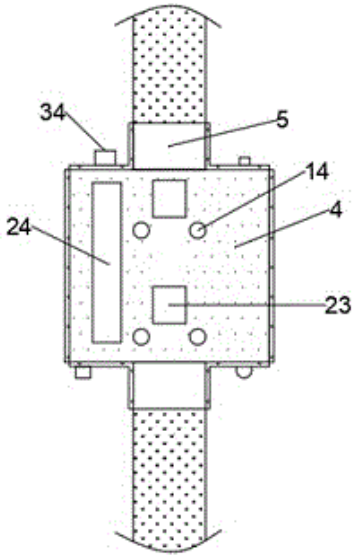
21: 2024/00634. 22: 2024/01/18. 43: 2025/03/14
51: B65G
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: BAI, YINZHAN
33: CN 31: 2023111490408 32: 2023-09-07
54: DOCKING SYSTEM FOR DOCK CONTAINER TRANSPORTATION
00: -

The present invention discloses a docking system for dock container transportation, comprising a loading region and an unloading region, loading region comprising: a first storage yard comprising a first vehicle loading plot, a first container stacking plot and a first vehicle unloading plot arranged from land to a front coast; a loading dock provided with a loading region platform along front coast, which is provided with a plurality of loading region berths, and a loading ship berthed parallel to front coast; a loading guided vehicle; a plurality of first rail-mounted gantry cranes; and a loading and unloading bridge. A docking method is disclosed. The present invention can solve great traffic pressure caused by loading and unloading for container transition, can realize orderly cooperation between an ARMG and AGV, and complete separation of AGV from a container vehicle, thus avoiding interference and crossing, and improving safety and efficiency of container transportation.



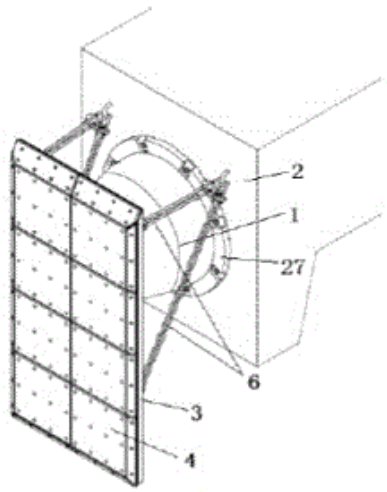
21: 2024/00635. 22: 2024/01/18. 43: 2025/03/14
51: B23K; B25J
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: SU, YANSONG
33: CN 31: 2023109162960 32: 2023-07-25
54: WELDING DEVICE FOR SITE CONSTRUCTION OF STEEL PIPE PILE
00: -

The present invention discloses a welding device for site construction of a steel pipe pile, comprising a connecting member, a water pumping assembly, a gas pumping assembly, a gas conveying assembly, a pair of large-diameter shells, a pair of small-diameter shells arranged at two ends of large-diameter shell, and operation gloves; two sets of lifting assemblies comprising a screw rod whose top portion is connected with a driving motor, the driving motor mounted at large-diameter shell, a sliding block whose one end is screwed on screw rod and the other end penetrates through a limiting rod, and limiting rod whose top portion is connected with large-diameter shell; and a pair of placing boxes connected with sliding blocks, welding equipment in placing box. The device is suitable for underwater welding of a sacrificial anode block on steel pipe pile, and welding equipment can be adjusted to an operational welding range.



21: 2024/00636. 22: 2024/01/18. 43: 2025/03/14
51: E02B
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: YANG, JIAYAN
33: CN 31: 2023108204400 32: 2023-07-06
54: FENDER STRUCTURE
00: -

The present invention discloses a fender structure, comprising a rubber fender with hollow and cylindrical shape, one end of which is connected with a wharf; a protective plate arranged at rubber fender, one side of which is provided with a rubber layer; a guide column, one end of which is connected with protective plate, and the other end extends into and connected with rubber fender; and two pairs of chains on both sides of rubber fender, each pair of chains comprising a first chain and second chain, one end of first and second chain both being connected with embedded parts on wharf, and the other end of first and second chain being connected with an upper portion and a lower portion of protective plate. The present invention reduces a maximum deformation in an energy absorbing process of rubber fender, and prolongs a service life, and has good stability.

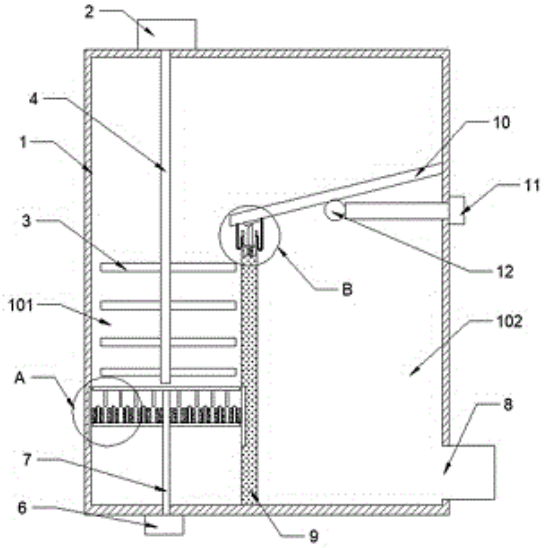


21: 2024/00637. 22: 2024/01/18. 43: 2025/03/14
51: E01D; B01D; B01F; B02C
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: ZHANG, WENCHAO
33: CN 31: 2023105037181 32: 2023-05-06

54: GROUTING DEVICE FOR BRIDGE CONSTRUCTION

00: -

The present invention discloses a grouting device for bridge construction, comprising a treatment box provided with a filter plate containing, a plurality of filter holes, wherein a first telescopic motor is arranged on an outer side of treatment box, an output shaft of first telescopic motor extends into treatment box, two sets of hole cleaning assemblies are arranged at output shaft, filter plate is located between two sets of hole cleaning assemblies comprising a supporting frame and a plurality of hole cleaning rods arranged on supporting frame, a diameter of hole cleaning rod is smaller than that of filter hole, a stirring assembly is arranged in treatment box, a top portion of treatment box is provided with a feed port and a lower portion is provided with a discharge port. By arranging two sets of hole cleaning assemblies, materials blocking filter holes are removed, thus facilitating grouting.

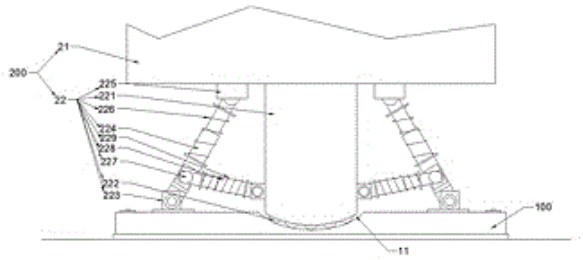


21: 2024/00638. 22: 2024/01/18. 43: 2025/03/14
51: B65G
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: WANG, HONGXIANG
33: CN 31: 2023114931262 32: 2023-11-10

54: SINGLE STEEL STRUCTURE IN REAR PORTION OF CONTAINER TERMINAL AND MOUNTING METHOD THEREOF

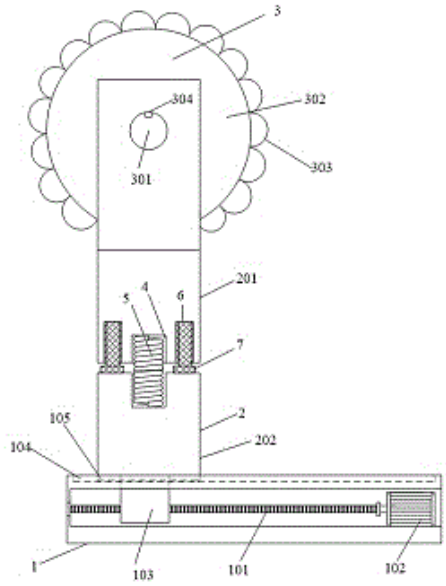
00: -

The present invention discloses a single steel structure in a rear portion of a container terminal, comprising: a pre-embedded base with a receiving groove; an upright column comprising an upright column body and a column connecting assembly that comprises a supporting column with a plurality of rolling balls; a plurality of main hinge seats hinged with vertical telescopic columns fixed on a universal column seat that is fixed on upright column body, a first spring sleeved on vertical telescopic column; branched hinge seats hinged with transverse telescopic columns sleeved with a second spring; a roof and a plurality of cross beams. The structure adapts to a deviation range caused by strong wind, rain and earthquake, and ensures stability. A mounting method is provided, comprising: mounting column connecting assembly, adjacent upright column bodies, cross beam to form a frame and roof. The mounting method has high safety and mounting efficiency.



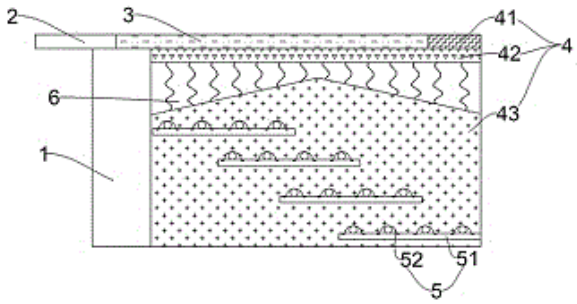
21: 2024/00639. 22: 2024/01/18. 43: 2025/03/14
51: E02D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: XIONG, HONGFENG
33: CN 31: 2023113370966 32: 2023-10-16
54: CAST-IN-PLACE PILE CONSTRUCTION DEVICE
00: -

The present invention discloses a cast-in-place pile construction device, comprising: a hole drilling platform; six rotating wheel parts, arranged around hole drilling platform, wherein each rotating wheel part comprises a base fixed on hole drilling platform; a supporting column arranged on the base; a rotating wheel arranged at supporting column and equipped with circular-arc protrusions; wherein rotating wheels of three non-adjacent rotating wheel parts are located at a same horizontal height and are a first group; rotating wheels of remaining three non-adjacent rotating wheels parts are located at another horizontal height, and are a second group, and horizontal height of first group is greater than that of second group; by adjusting a position of movable supporting column, an internal space surrounded by six rotating wheels accommodates different construction objects that need to be sunk into pile hole. The device guides different sunk objects and ensures verticality.

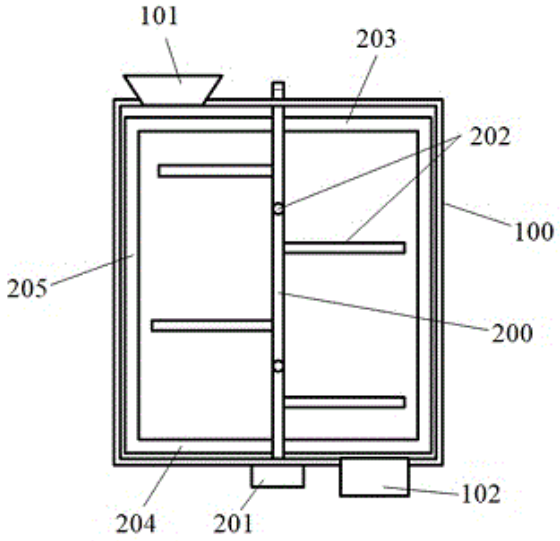


21: 2024/00640. 22: 2024/01/18. 43: 2025/03/14
51: E01D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: CHEN, BIN
33: CN 31: 2023104306759 32: 2023-04-21
54: ABUTMENT STRUCTURE AND CONSTRUCTION METHOD
00: -

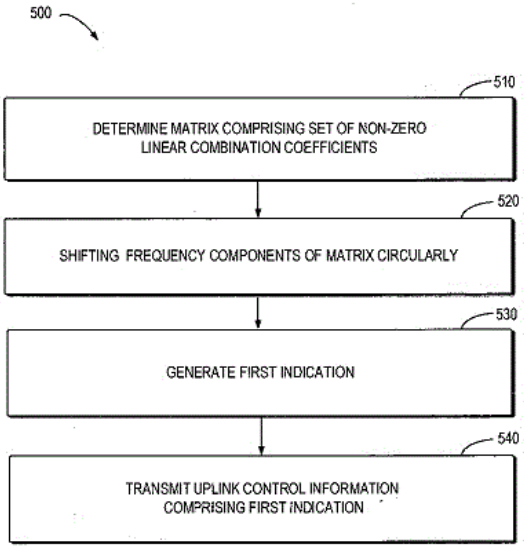
The present invention discloses an abutment structure, comprising: an abutment body; a bridge end transition slab laid on the abutment body and a subgrade, both ends of bridge end transition slab being connected with a bridge deck slab and a pavement course respectively, and the subgrade comprising the pavement course, a pavement base course and a backfill layer; and a plurality of dispersing members pre-embedded in backfill layer at intervals, comprising a bearing portion arranged in backfill layer; and a plurality of arched slabs arranged on bearing portion at intervals along a span direction of a bridge, a vault of arched slab being arranged facing away from the bearing portion. The abutment structure gradually disperses a longitudinal pressure generated from a traffic load by the arched slabs, and can decrease a longitudinal deformation of the subgrade and reduce an occurrence of void of the subgrade beneath the transition slab.



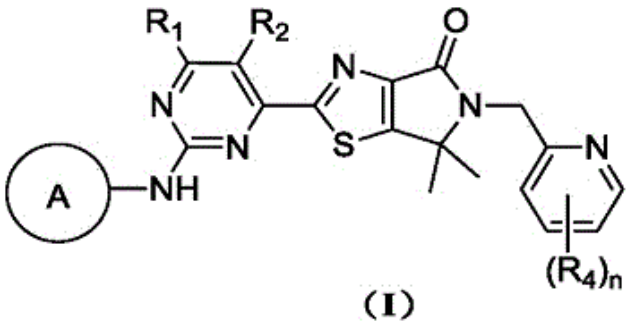
21: 2024/00641. 22: 2024/01/18. 43: 2025/03/14
51: B28C
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: ZHANG, XIAOQIANG
33: CN 31: 2023113754148 32: 2023-10-23
54: CONCRETE MIXING DEVICE
00: -
The present invention discloses a concrete mixing device, comprising a mixing tank body and a mixing assembly that is arranged in mixing tank body and comprises a mixing shaft. A bottom of mixing shaft extends out of mixing tank body through a sealed bearing and is connected with an motor, mixing shaft extends out of mixing tank body through sealed bearing, two sides of mixing shaft are connected with first and second mixing fins, each of first mixing fins comprises a first and second transverse rod, and a vertical rod, first transverse rod and second transverse rod are provided with a transversely extending hole penetrated with a connecting rod, one end of connecting rod is connected with a bottom wall in hole trough a first spring, and the other end is connected with mixing shaft. The concrete mixing device has a reasonable structural design, high mixing efficiency and clean discharging.



21: 2024/00667. 22: 2019/04/04. 43: 2025/03/17
51: H04L
71: NOKIA TECHNOLOGIES OY
72: TOSATO, Filippo, MASO, Marco, NHAN, Nhat-Quang, LIU, Hao
54: UPLINK CONTROL INFORMATION
00: -
Embodiments of the present disclosure relate to methods, devices, apparatuses and computer readable storage media for Uplink Control Information (UCI) design. The method comprises determining, at a terminal device, a matrix comprising a set of non-zero linear combination coefficients for quantizing a channel between the terminal device and a network device, the matrix having spatial components and frequency components; shifting the frequency components of the matrix circularly, such that a target coefficient of the set of non-zero linear combination coefficients is located in a frequency component with a predetermined index of the frequency components in a shifted matrix; generating a first indication indicating the spatial component associated with the target coefficient in the matrix; and transmitting, to the network device, uplink control information comprising the first indication. In this way, a new solution for designing the UCI may reduce the overhead for reporting the parameters in the “UCI part 1” and “UCI part 2”.



21: 2024/00679. 22: 2024/01/19. 43: 2025/03/28
51: C07D; A61P; A61K
71: D3 BIO (WUXI) CO., LTD.
72: LI, YI, YU, TAO, LIU, NING, WU, CHENGDE, CHEN, SHUHUI
33: CN 31: 202111669920.9 32: 2021-12-31
33: CN 31: 202110723288.5 32: 2021-06-28
33: CN 31: 202210693547.9 32: 2022-06-17
54: DIMETHYL-SUBSTITUTED THIAZOLOLACTAM COMPOUND AND USE THEREOF
00: -
Provided are a dimethyl-substituted thiazololactam compound and the use thereof in the preparation of a drug for treating relevant diseases. Specifically, provided are a compound as represented by formula (I) and a pharmaceutically acceptable salt thereof.



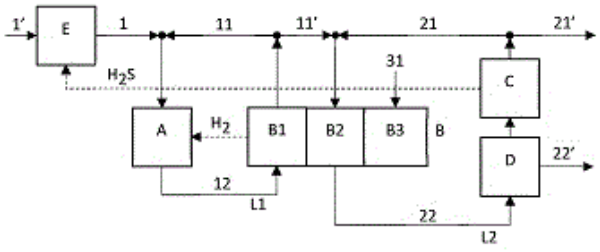
(I)

21: 2024/00682. 22: 2024/01/19. 43: 2025/03/14
51: C04B
71: MAPEI S.P.A.
72: FERRARI, GIORGIO, CASTIGLIONI, FABIO, CORBO, PIERO, SQUINZI, MARCO
33: EP 31: 21184949.2 32: 2021-07-12
54: STRENGTH ENHANCING ADMIXTURE FOR LOW-CARBON CEMENTITIOUS COMPOSITIONS
00: -
The invention relates to a new concrete admixture based on metal silicate hydrates and ettringite for improving the strength development at both early and longer ages of low-carbon cementitious compositions based on Portland cement and supplementary cementitious materials SCMs, including fly ash, slag, natural pozzolans, silica fume, calcined clays and fillers, such as limestone powder.

21: 2024/00744. 22: 2024/01/22. 43: 2025/03/14
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: KAY, CAMERON, LUCKWELL, CRAIG JAMES
33: EP 31: 21184310.7 32: 2021-07-07
54: EMULSION ANTIPERSPIRANT COMPOSITIONS
00: -
An emulsion antiperspirant composition comprising an aqueous phase, an oil phase and an emulsifier, wherein the aqueous phase comprises an aluminium-zirconium tri-, tetra-,or penta-chlorohydrex-glycine complex and a water-soluble calcium salt.

21: 2024/00747. 22: 2024/01/22. 43: 2025/03/14
51: C02F
71: UMICORE
72: OSTERMEYER, PIETER, RABAEY, KORNEEL, HENNEBEL, TOM
33: EP 31: 21181218.5 32: 2021-06-23
54: ENVIRONMENTAL-FRIENDLY PROCESS FOR THE TREATMENT OF WASTEWATER
00: -
Provided is a process for the environmental-friendly treatment of sulfate-containing wastewater. The acidic, sulfate-containing wastewater is treated in a sulfate reducing bioreactor with influent and effluent looped through to the cathode compartment of an electrochemical cell. The electrochemical cell stabilizes the pH in the bioreactor by the in-situ production of base in the cathode compartment. Additionally, hydrogen is produced which is used in the bioreactor as electron donor for the sulfate

reduction. The middle compartment of the electrochemical cell contains a sulfide rich aqueous solution in which the extracted cations are displaced by protons from the anode compartment. This results in the acidification of the sulfide rich solution, which is beneficial for the extraction of sulfides as H_2S. This H_2S can be used for the precipitation of metals in the beginning of the process, forming another loop.

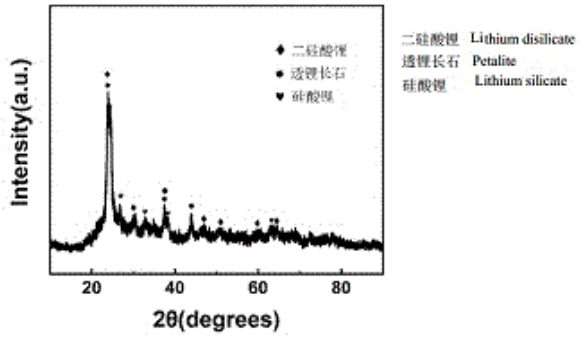


21: 2024/00749. 22: 2024/01/22. 43: 2025/03/14
51: C03C; C03B
71: CHANGSHU JIAHE DISPLAY TECHNOLOGY CO., LTD
72: ZHOU, WEIWEI, ZHANG, FUJUN, HE, GUANGYUAN, ZHANG, JIHONG
33: CN 31: 202110555635.8 32: 2021-05-21

54: THREE-DIMENSIONAL MICROCRYSTALLINE GLASS AND PREPARATION METHOD THEREFOR

00: -

Three-dimensional (3D) microcrystalline glass and a preparation method therefor. Raw materials for preparation of the 3D microcrystalline glass comprise the following components by mass fraction of oxides: SiO_2: 63-75%; Al_2O_3: 4-10%; Li_2O: 8-11%; Na_2O: 0.1-3%; K_2O: 0.1-1%; P_2O_5: 1-5%; and ZrO_2: 1-6%. The finished glass crystal comprises: lithium disilicate: 30-45%; and petalite: 30-45%. In the preparation method, glass microcrystallization treatment is performed by means of means such as adjusting the order of hot bending forming treatment and microcrystallization treatment, controlling the temperature and time in a precrystallization process, and placing the 3D microcrystalline glass in a $NaNO_3$ or KNO_3 salt bath for ion exchange, to obtain flat microcrystalline glass, and then the flat microcrystalline glass is prepared into 3D curved microcrystalline glass by using a polishing and grinding process. The preparation process has the advantages of high yield and low process cost.



21: 2024/00750. 22: 2024/01/22. 43: 2025/03/14
51: F41G; G01S
71: SAFRAN ELECTRONICS & DEFENSE
72: MORAILLON, ARNAUD, ARAGONES, JULIEN, TAFANELLI, CLAIRE, GUETTIER, CHRISTOPHE, BORRIELLO, MARIE-AXELLE, LARRIBE, FABRICE, BERTELLI, FLORIAN
33: FR 31: FR2106898 32: 2021-06-28

54: OBSERVING DEVICE COMPRISING INDEPENDENT OPTICAL AND OPTRONIC CHANNELS AND VEHICLE EQUIPPED WITH SUCH A DEVICE

00: -

An observing device comprising an orientable optronic sight (10) connected to a first electronic unit (31) arranged to command acquisition according to image-capture parameters and an orientable optical sight (20) connected to a second electronic unit (32) arranged to communicate to the first electronic control unit image-capture parameters of the optical sight, the first electronic unit having a slave operating mode in which the optronic sight is commanded to make acquisitions according to the image-capture parameters of the optical sight and at least one autonomous operating mode in which the optronic sight is commanded to make acquisitions independently of the image-capture parameters of the optical sight. Vehicle comprising such a device.

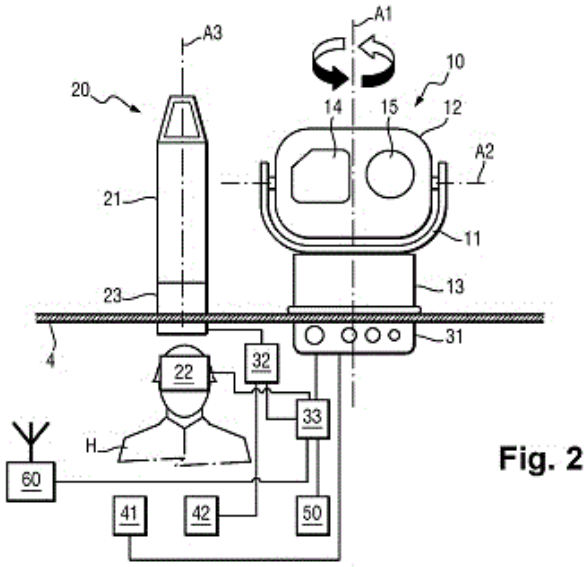
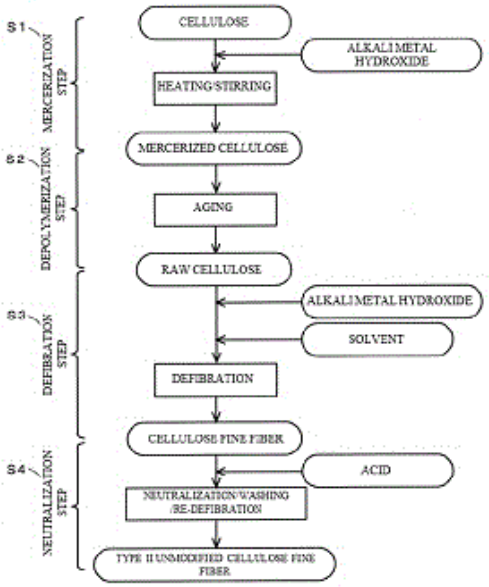


Fig. 2

21: 2024/00785. 22: 2024/01/23. 43: 2025/03/14
51: D21H; C08B; A61K
71: FUTAMURA KAGAKU KABUSHIKI KAISHA
72: IWATA, IPPEI, YAMAZAKI, ASUKA
33: JP 31: 2021-130565 32: 2021-08-10
54: TYPE II UNMODIFIED CELLULOSE MICROFIBERS, AND METHOD FOR MANUFACTURING TYPE II UNMODIFIED CELLULOSE MICROFIBERS AND COMPACT OF SAME
00: -
[Problem] To provide a manufacturing method for obtaining type II unmodified cellulose microfibers through mercerization of cellulose, wherein chemically unmodified cellulose microfibers can be obtained efficiently through simple steps. [Solution] This method for manufacturing type II unmodified cellulose microfibers is characterized by comprising: a fibrillation step in which an alkali metal hydroxide is added to raw material cellulose and then the result is fibrillated to obtain cellulose microfibers, the raw material cellulose having passed through a mercerization step in which cellulose is mercerized to obtain mercerized cellulose and a depolymerization step in which the degree of polymerization of the mercerized cellulose is reduced to 760 or less, so as to bring the total concentration to 2.5–17.5%; and a neutralization step in which the cellulose microfibers are neutralized with an acid.



21: 2024/00788. 22: 2024/01/23. 43: 2025/03/14
51: C07K; A61K
71: ELPIS BIOPHARMACEUTICALS
72: ZHAO, KEHAO, CHEN, YAN, NGUYEN, JENNA, SUBRAMANIAM, SUGA, JIANG, NING
33: US 31: 63/216,276 32: 2021-06-29
54: ANTI-NECTIN4 ANTIBODIES AND MULTI-SPECIFIC PROTEIN COMPLEXES COMPRISING SUCH
00: -
Antibodies that binds Nectin Cell Adhesion Molecule 4 (nectin-4) and multi-specific protein complexes comprising such anti-nectin4 antibodies, at least one additional antibody moiety binding to another target, and/or at least one cytokine moiety. Also provided herein are pharmaceutical compositions comprising such and uses thereof.

21: 2024/00791. 22: 2024/01/23. 43: 2025/03/14
51: C11D; A61K; D06M
71: UNILEVER GLOBAL IP LIMITED
72: MAHAPATRA, SAMIRAN, MEDEPALLI, SRILAXMI VENKATA, MOHAPATRA, NAMISHA, SAMPATH KUMAR, RAMYA, VARMA, SANDEEP
33: EP 31: 21194647.0 32: 2021-09-02
54: A HYGIENE COMPOSITION FOR REDUCING MALODOUR
00: -
The present invention relates to a composition that is used to reduce malodour on hard surfaces like those on utensils, furniture, floors, walls, and on toilets and on soft surfaces like those of fabric that they remain fresh and free of malodours for long time after the

surface is cleaned with the composition. This is achieved through a combination of a rhamnolipid and a polysaccharide selected from algin or pectin and optionally additionally a zinc salt or a cationic surfactant.

21: 2024/00792. 22: 2024/01/23. 43: 2025/03/14
51: C12N; C12P
71: LANZATECH, INC.
72: COWDEN, ZACHARY ROBERT, LEANG, CHING, KOEPKE, MICHAEL, JENSEN, RASMUS OVERGAARD, MUELLER, ALEXANDER PAUL
33: US 31: 63/261,185 32: 2021-09-14
33: US 31: 63/260,054 32: 2021-08-06
54: MICROORGANISMS AND METHODS FOR IMPROVED BIOLOGICAL PRODUCTION OF ETHYLENE GLYCOL
00: -
The disclosure provides genetically engineered microorganisms and methods for improved biological production of ethylene glycol and precursors of ethylene glycol. The microorganism of the disclosure produces ethylene glycol or a precursor of ethylene glycol through one or more of 5,10-methylenetetrahydrofolate, oxaloacetate, citrate, malate, and glycine. The disclosure further provides compositions comprising ethylene glycol or polymers of ethylene glycol such as polyethylene terephthalate.

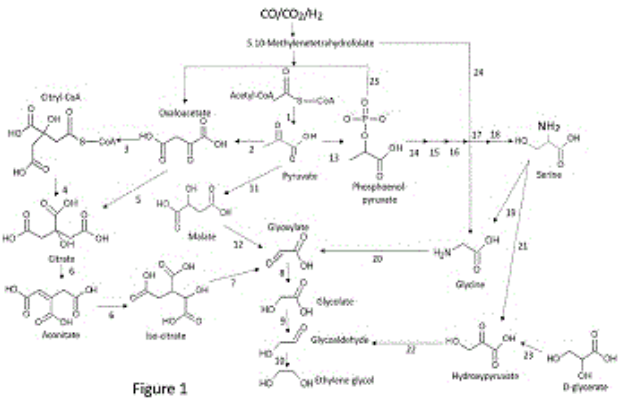
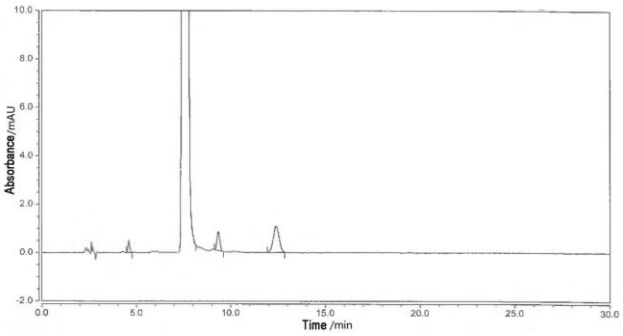


Figure 1

21: 2024/00795. 22: 2024/01/23. 43: 2025/04/24
51: A01N; A61K; C07D; A61P
71: VIWIT PHARMACEUTICAL CO., LTD., SHANDONG WEIZHI BAIKE PHARMACEUTICAL CO., LTD., SHANDONG WEIZHI ZHONGKE PHARMACEUTICAL CO., LTD.
72: WEI, Yanjun, BASAVARAJ, Shidagonnavar, LI, Feng, SUN, Zhongya, PEI, Hui, DU, Wenfeng, WANG, Jian, KONG, Meng, LIU, Xiwang, XING, Yanping, XU, Qingjing
33: CN 31: 202110961274.7 32: 2021-08-20
33: CN 31: 202110997332.1 32: 2021-08-27
54: NITROSAMINE IMPURITY, VARENICLINE PHARMACEUTICAL COMPOSITION CAPABLE OF REDUCING GENERATION OF NITROSAMINE IMPURITIES AND PREPARATION AND USE THEREOF
00: -
The present disclosure discloses nitrosamine impurities, a varenicline pharmaceutical composition capable of reducing the generation of nitrosamine impurities, and the preparation and use thereof. By means of adding a pharmaceutically acceptable acid to a secondary amine compound or a composition thereof, the pharmaceutical composition of the present disclosure can effectively inhibit and reduce the generation of nitrosamine impurities, improve the stability of the secondary amine compound or the composition thereof, and control the content of genotoxic nitrosamine impurities to be at a relatively low level, so as to comply with safety requirements.



21: 2024/00815. 22: 2024/01/24. 43: 2025/03/06
51: E02F
71: CATERPILLAR INC.
72: SERRURIER, DOUGLAS C, YOUNG, ANDREW W, HARTOONIAN-PARIZEK, GRAHAM R
33: US 31: 17/387,463 32: 2021-07-28
54: REPLACEABLE WEAR PLATE
00: -
A wear member (500, 500a) includes a body defining an exterior (508, 508a) with an outside perimeter (510, 510a), an interior aperture (502) with an at least partially interior polygonal perimeter (504), and at least one fastener receiving hole (512, 512a) extending from the exterior (508, 508a) to the interior aperture (502). The exterior (508, 508a) lacks any large openings to limit the risk of material packing.

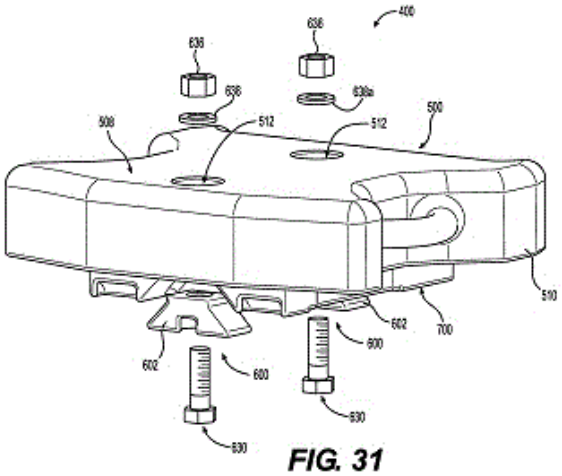
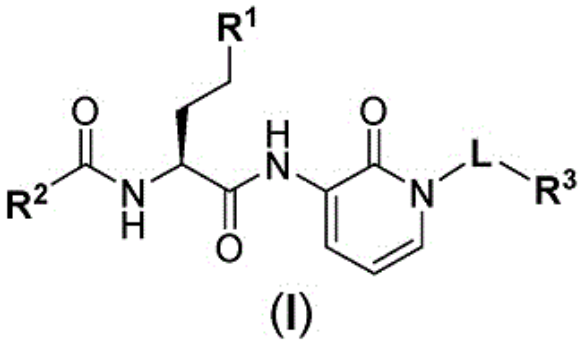


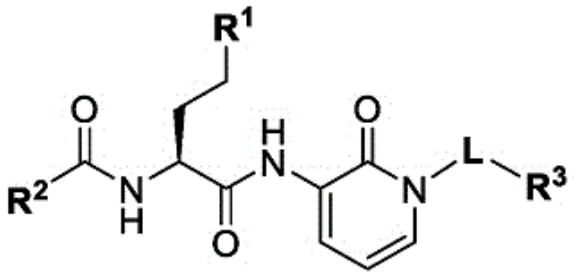
FIG. 31

21: 2024/00821. 22: 2024/01/24. 43: 2025/03/06
51: C07D; A61K; A61P
71: ZEDIRA GMBH
72: PASTERNACK, RALF, BÜCHOLD, CHRISTIAN, HILS, MARTIN, STIELER, MARTIN, GERLACH, UWE
33: EP 31: 21182956.9 32: 2021-06-30
33: US 31: 63/217,783 32: 2021-07-02
33: EP 31: PCT/EP2022/065435 32: 2022-06-07
33: EP 31: 21183316.5 32: 2021-07-01
33: EP 31: PCT/EP2021/086674 32: 2021-12-17
54: INHIBITORS OF TRANSGLUTAMINASES
00: -
The invention relates to the compound of general formula (I) as novel inhibitors of transglutaminases, to methods for producing the inventive compounds, to pharmaceutical compositions containing said inventive compounds and to their use for the prophylaxis and treatment of diseases associated with transglutaminases, in particular transglutaminase 2.



(I)

21: 2024/00823. 22: 2024/01/24. 43: 2025/03/14
51: C07D; A61K; A61P
71: ZEDIRA GMBH
72: PASTERNACK, RALF, BÜCHOLD, CHRISTIAN, HILS, MARTIN, STIELER, MARTIN, GERLACH, UWE
33: EP 31: 21183316.5 32: 2021-07-01
33: EP 31: PCT/EP2022/065430 32: 2022-06-07
33: EP 31: PCT/EP2021/086674 32: 2021-12-17
33: EP 31: 21182956.9 32: 2021-06-30
33: US 31: 63/217,783 32: 2021-07-02
54: INHIBITORS OF TRANSGLUTAMINASES
00: -
The invention relates to the compound of general formula (I) as novel inhibitors of transglutaminases, to methods for producing the inventive compounds, to pharmaceutical compositions containing said inventive compounds and to their use for the prophylaxis and treatment of diseases associated with transglutaminases, in particular transglutaminase 2.



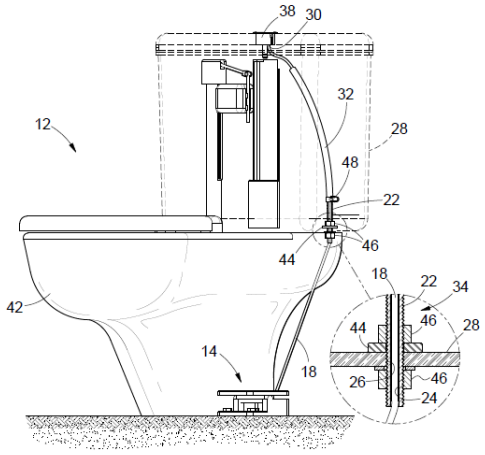
(I)

21: 2024/00826. 22: 2024/01/24. 43: 2025/03/14
51: A01N; A01P; B65D
71: ISHIHARA SANGYO KAISHA, LTD.
72: KOBAYASHI, YUSUKE
33: JP 31: 2021-131666 32: 2021-08-12
54: METHOD FOR PREVENTING DEFORMATION OF RESIN-MADE AGROCHEMICAL CONTAINER
00: -
An agrochemical oil-based suspension is a product commonly used among liquid agrochemical products, and if a resin-made agrochemical container is employed as a container in which the agrochemical oil-based suspension is to be filled, the container may be deformed or broken during storage or shipping. With focus on use of a specific antioxidant, the present invention provides a method for preventing deformation of a resin-made agrochemical container by preparing a chemically stable agrochemical oil-based suspension having oxidation of an oil component in the suspension

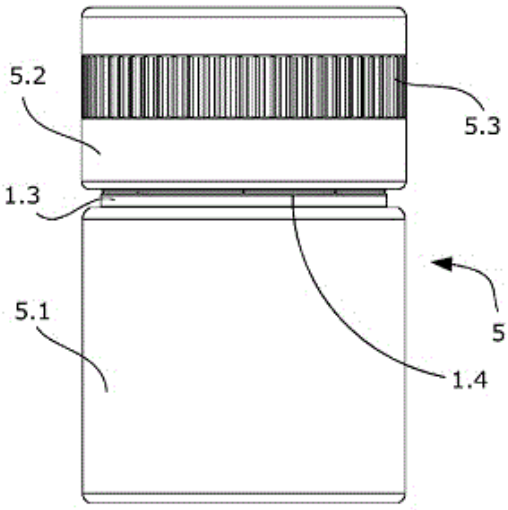
suppressed, and filling the suspension in the resin-made agrochemical container.

21: 2024/00860. 22: 2024/01/25. 43: 2025/03/14
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BATCHELOR, STEPHEN NORMAN, MEALING, DAVID RICHARD ARTHUR, THOMAS, MATTHEW RHYS, CUMMINS, ALISON
33: EP 31: 21189815.0 32: 2021-08-05
54: METHOD
00: -
A method for treating fabric, method comprising: treating fabric with a detergent composition comprising a methyl ester ethoxylate and a fragrance; treating fabric with a fabric conditioning composition; optionally rinsing; and optionally drying said fabric wherein said fragrance comprises a component selected from geraniol, phenafleur, cyclamal, bet-ionone, verdyl acetate dimethylbenzylcarbinol acetate, dihydromrycenol, limonene and mixtures thereof.

21: 2024/00902. 22: 2024/01/26. 43: 2025/02/17
51: E03D
71: VAN DER RYST, HENDRIK JOHANNES
72: VAN DER RYST, HENDRIK JOHANNES
33: ZA 31: 2023/01128 32: 2023-01-27
54: FLUSHING APPARATUS AND METHOD
00: -
The present invention relates to a novel flushing apparatus designed for retrofitting existing toilets, offering a more hygienic and accessible way to initiate the flushing process. The apparatus can be configured with either a mechanical or hydraulic actuation system. The mechanical system includes a foot pedal or other actuators connected to a cable or string, leading to the flush mechanism. The hydraulic system employs a series of pistons activated by an actuator, such as a foot pedal or an electronic button, to control the flushing mechanism. A key feature of the invention is the use of a hollow threaded rod for integrating either hydraulic piping or cabling into the toilet's cistern, ensuring minimal structural modification. This system provides an efficient and sanitary solution for toilet flushing, suitable for a wide range of users, including those with mobility challenges.



21: 2024/00914. 22: 2024/01/26. 43: 2025/03/14
51: B65D
71: TORRENT INNOVA, S.L.
72: GUERRERO GAMAZA, JORGE ANTONIO, JIMÉNEZ GÁLVEZ, EDUARDO
33: EP 31: 21382570.6 32: 2021-06-29
54: CLOSURE FOR CONTAINERS WITH EVIDENCE OF FIRST OPENING
00: -
The present invention relates to a cap-type closure for containers, comprising means for evidencing a first opening, the closure preferably being coupled to the mouth of a container. The present invention is characterized by a closure comprising an inner cap and an outer cap that are interconnected in such a way as to allow a gap to be defined between the two once the first opening of the closure has taken place.



21: 2024/00915. 22: 2024/01/26. 43: 2025/03/05

51: A61K; A61P
71: NEURODAWN PHARMACEUTICAL CO., LTD.
72: LI, FULONG, ZHANG, ZHENGPING, FANG, FANG, YANG, WEIDONG, CHEN, RONG, YANG, SHIBAO
33: CN 31: 202110742036.7 32: 2021-07-01
54: PHARMACEUTICAL COMPOSITION AND USE THEREOF
00: -
The present invention relates to a composition of (S)-3-aminomethyl-5-methylhexanoic acid or a pharmaceutically acceptable salt thereof, and riluzole. The composition has broad application prospects in the preparation of a drug for treating neuropathic pain.

21: 2024/00929. 22: 2024/01/26. 43: 2025/05/08
51: F24B; F24D; F24F; F24H
71: Vaviri (Pty) Ltd
72: MCRAE, Gordon
33: ZA 31: 2021/05214 32: 2021-07-23
54: DUAL FUNCTION WATER HEATER AND AIR-CONDITIONING UNIT
00: -
A dual function water heater and air-conditioning unit including air-conditioner and water heater subassemblies. In the operational cycle illustrated, the unit 10 heats the water in a geyser 20 and operates an air-conditioner 14.1 in cooling mode. The geyser heat exchanger 22 acts as a condenser in which the refrigerant transitions from a vapour phase to a liquid phase. The liquid refrigerant is conveyed to an interior unit expansion valve 42 where the liquid refrigerant is flash evaporated and conveyed to the interior unit heat exchanger 16 operating as an evaporator, in which adiabatic cooling of the refrigerant causes extraction of heat from air flowing over the interior unit heat exchanger tubes. The extracted heat is transferred to the refrigerant, causing evaporation of the liquid refrigerant to a gaseous refrigerant, which is directed, from the internal unit heat exchanger 16 to the compressor 30, for repetition of the cycle.

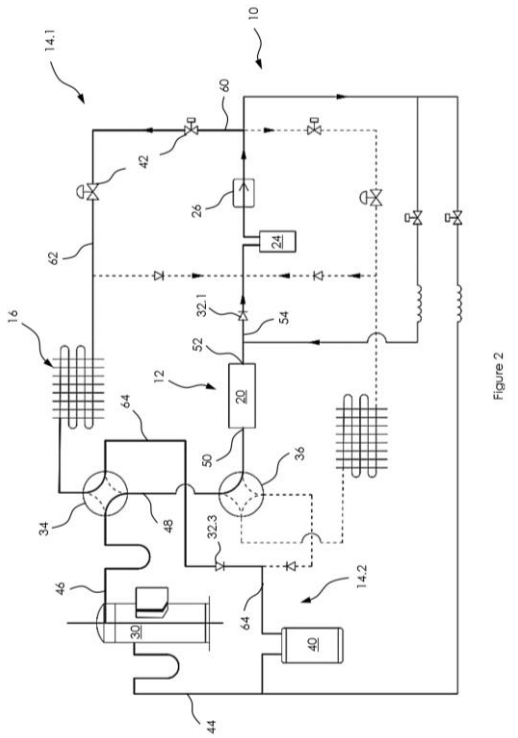
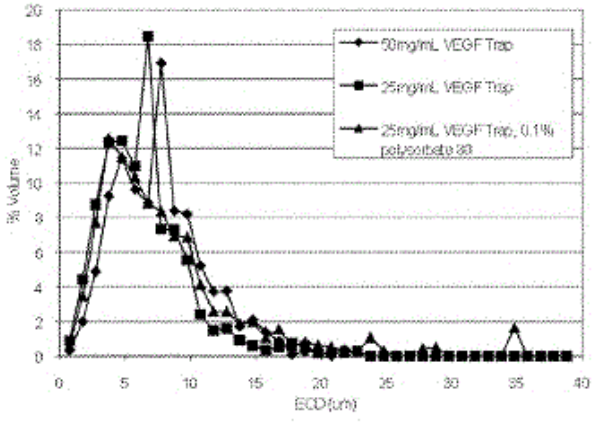


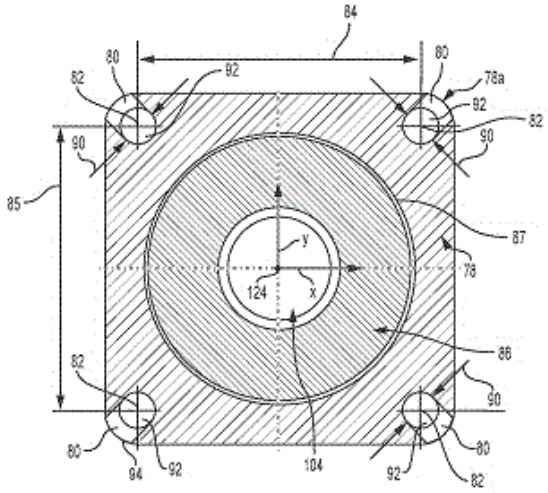
Figure 2

21: 2024/00983. 22: 2024/01/30. 43: 2025/03/14
51: A61K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: CHEN, HUNTER, WALSH, SCOTT
33: US 31: 61/561,525 32: 2011-11-18
54: POLYMER PROTEIN MICROPARTICLES
00: -
A method of manufacturing an extended release pharmaceutical composition comprising therapeutic protein particles coated with a biodegradable polymer is disclosed.

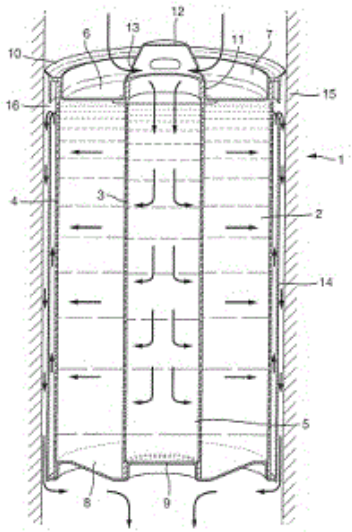


21: 2024/00998. 22: 2024/01/30. 43: 2025/03/14
51: F04B

71: CATERPILLAR INC.
72: MICKIEWICZ, MATTHEW G, RAMALHO, STIVE, HOPF, DARREN JOSEPH, SPEICHINGER, JUSTIN DOUGLAS, ROUSSEAU, PAUL ALAN, MALLEIN, BRICE
33: US 31: 17/393,685 32: 2021-08-04
54: AXIAL PISTON PUMP MOUNTING FLANGE CONFIGURATION
00: -
A hydraulic pump or motor (48, 100) includes a mounting flange (78) that is disposed at the first end of the housing (102). The mounting flange (78) defines a pair of fastener receiving apertures (80, 92) that are disposed along the X-axis on either side of the shaft (104). The pair of fastener receiving apertures (80) each define a radius center (82) that are spaced away from each other a X dimension (84), and a pilot projection (86) extends longitudinally away from the mounting flange (78), defining a pilot projection diameter (88). A ratio of the X dimension (84) to the pilot projection diameter (88) ranges from 1.07 to 1.11.



21: 2024/01012. 22: 2024/01/31. 43: 2025/03/14
51: B01J
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: GRAY, JULIAN
33: GB 31: 1417462.7 32: 2014-10-02
54: ANNULAR CATALYST CARRIER CONTAINER FOR USE IN A TUBULAR REACTOR
00: -
The invention relates to a process for carrying out an exothermic chemical reaction. The process includes the first step of providing a tubular reactor comprising a reactor tube that includes a reactor tube wall, wherein a plurality of catalyst carriers are stacked within the reactor tube, wherein each one of the plurality of catalyst carriers comprises a catalyst container that contains catalyst, wherein each one of the plurality of catalyst carriers stacked within the reactor tube is sized such that it is of a smaller dimension than an internal dimension of the reactor tube, such that a micro-channel zone is present between an outer surface of an outer, load-bearing wall of the catalyst carrier and an inner face of the reactor tube wall. The process includes the further steps of supplying a cooling medium to the outside of the reactor tube, and supplying a gas comprising one or more reactants to the reactor tube such that the gas passes through the plurality catalyst carriers within the reactor tube in series, wherein the exothermic chemical reaction occurs in the catalyst containers and heat transfer between the gas and the cooling medium occurs in the micro-channel zone.



21: 2024/01034. 22: 2024/01/31. 43: 2025/03/14
51: B22D; C22C; F27B; F27D
71: COMPTECH RHEOCASTING I SKILLINGARYD AB
72: JANSSON, PER
33: SE 31: 2150909-6 32: 2021-07-08
54: PRODUCTION OF SEMISOLID SLURRY WITH TWO OR MORE STIRRING DEVICES
00: -
A method for producing a semisolid metal slurry, comprising the steps of providing at least two stirring

devices (111,112; 211,212,213), each having a first end (111a,112a; 211a,212a,213a) and an opposite second end (111b,112b; 211b,212b,213b) defining a central axis therebetween, wherein onto each first end (111a,112a; 211a,212a,213a) a cast metal piece (121,122; 221,222,223) is attached; inserting (S3) the first end (111a,112a; 211a,212a,213a) of each of the at least two stirring devices (111,112; 211,212,213) into a liquid metal bath such that each cast metal piece (121,122; 221,222,223) is submerged in the liquid metal bath; after insertion of the at least two stirring devices (111,112; 211,212,213) into the liquid metal bath, simultaneously rotating (S4) the at least two stirring devices (111,112; 211,212,213) with the attached cast metal piece (121,122; 221,222,223) around their respective central axis, and thereby rotating said cast metal pieces (121,122; 221,222,223) in the liquid metal bath; wherein the rotation is continued at least until a majority of the cast metal pieces (121,122; 221,222,223) are molten, such that a semisolid metal slurry is produced.

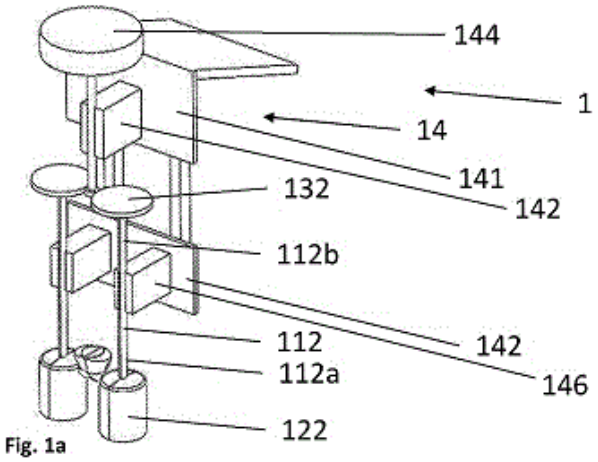
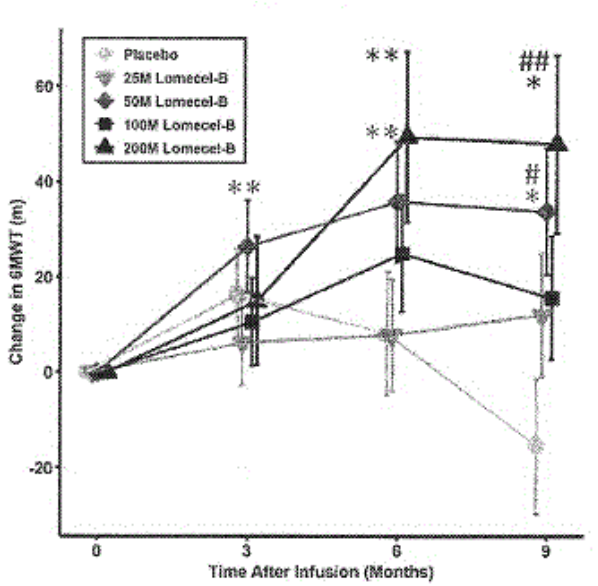


Fig. 1a

21: 2024/01035. 22: 2024/01/31. 43: 2025/03/14
51: A61K; A61P; G01N
71: LONGEVERON INC.
72: HARE, JOSHUA M, OLIVA, ANTHONY A, HITCHINSON, BEN
33: US 31: 63/261,092 32: 2021-09-10
54: TREATMENT OF AGING FRAILTY COMPRISING ADMINISTERING BONE MARROW DERIVED MESENCHYMAL STEM CELLS
00: -
Compositions and methods are disclosed herein for the treatment of aging frailty with bone marrow derived mesenchymal stem cells. The methods of treatment involve the administration of a composition of bone marrow derived mesenchymal stem cells to a subject in need thereof, wherein the effectiveness of the treatment methods can be determined through the measurement of specific biomarkers and improved physical activity.



21: 2024/01036. 22: 2024/01/31. 43: 2025/03/14
51: H01H
71: SCHALTBAU GMBH
72: KNEBEL, JENS
33: DE 31: 10 2021 118 585.8 32: 2021-07-19
54: SWITCHING DEVICE FOR CONDUCTING HIGH CONTINUOUS CURRENTS AND VERY HIGH SHORT-CIRCUIT CURRENTS
00: -
The present invention relates to a switching device (1) for conducting high continuous currents and very high short-circuit currents. The present invention addresses the problem of providing a switching device which avoids the problems known from the prior art and which, in particular when in the unseparated state, i.e. the contacted state, can conduct high continuous currents and even higher short-circuit currents without welding. This problem is solved according to the invention in that the switching device (1) comprises at least two contact locations (9, 10), wherein: each contact location comprises a movable contact (11) and a fixed contact (12), one of the contacts (12) of each contact location (9, 10) being formed in a socket (13) and

the other contact (11) of each contact location (9, 10) being formed on a pin (14) which can be received in the socket (13), and the movable contacts (11) of both contact locations (9, 10) being in the form of a common component; one of the contacts (12) at at least one of the contact locations (9, 10) has ribs (26), so that at the contact location (9, 10) a plurality of contact points is defined, the ribs being a separate component in the form of contact lamellae, said component being arranged on the corresponding contact of each contact location, and the contact lamellae being in the form of a high-current contact strip (27), which comprises a resilient carrier strip (30) having two boundary flanges (28) and comprises a plurality of contact flanges (29), which run perpendicularly to the boundary flanges (28) and are connected to the boundary flanges (28); contact pieces (31) are riveted onto the contact flanges (29).

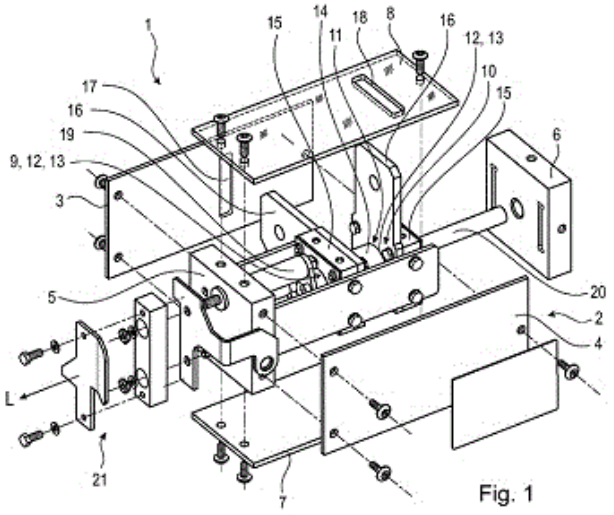
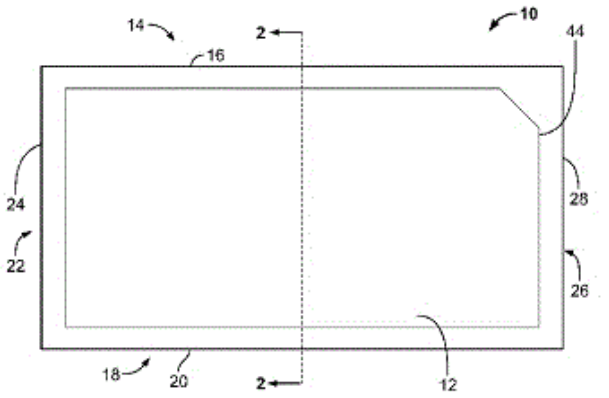


Fig. 1

21: 2024/01037. 22: 2024/01/31. 43: 2025/03/14
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, SUBRAHMANIAM, NARAYANAN
33: EP 31: 21193055.7 32: 2021-08-25
33: EP 31: 21193056.5 32: 2021-08-25
54: DETERGENT COMPOSITION
00: -
The present invention relates to a laundry detergent composition having a desirable foam profile during the laundering process. It is thus an object of the present invention to provide a detergent composition which provides good foam profile. It is yet another objection of the present invention to provide a detergent composition which reduces the amount of water required for rinsing. The present inventors have found that a detergent composition having specifically selected primary anionic detersive surfactant when present in combination with cosurfactant and a foam suppressing agent surprisingly provides good foam formation in the wash stage while eliminating the foam quickly during the rinsing stage.

21: 2024/01070. 22: 2024/02/01. 43: 2025/03/20
51: A61L; A01N; B32B
71: S. C. JOHNSON & SON, INC.
72: NYAMBO, CALISTOR, CONKLIN, CURTIS, O'GARA, CAITLIN Y, WANG, JIA, ULRICH, TODD
33: US 31: 16/431,598 32: 2019-06-04
54: DISPENSER AND METHOD OF USE THEREOF
00: -
A multi-layer article including a first non-active state and a second active state, the multi-layer article comprising an outer layer having a first side and a second side, an inner layer adjacent to at least a portion of the outer layer and including a volatile material, and an upper layer including a first side and a second side, the first side of the upper layer being adjacent to at least a portion of the inner layer. The multi layer article is folded upon itself in the first non-active state so that at least a first portion of the second side of the upper layer is disposed on a top of a second portion of the second side of the upper layer, and the first portion and the second portion of the upper layer are heat sealed in the non-active state.

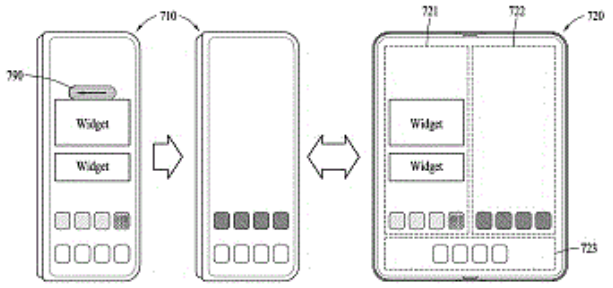


21: 2024/01081. 22: 2024/02/01. 43: 2025/03/20
51: G06F
71: SAMSUNG ELECTRONICS CO., LTD.
72: LEE, GISOO, KIM, SANGHEON, KIM, CHANGDO, MOON, TAEYONG, IM, HYEONGTAEK, LIM, YEUNWOOK
33: KR 31: 10-2021-0103276 32: 2021-08-05

54: ELECTRONIC APPARATUS HAVING VARIABLE DISPLAY AREA AND OPERATION METHOD THEREFOR

00: -

In an electronic apparatus according to an embodiment, a page layout output on a first display screen can be output, together with another page layout grouped therewith, on a second display screen having a larger display area than the first display screen in response to a change from the first display screen to the second display screen, and the grouped page layouts can also be switched together when a swipe input is detected.

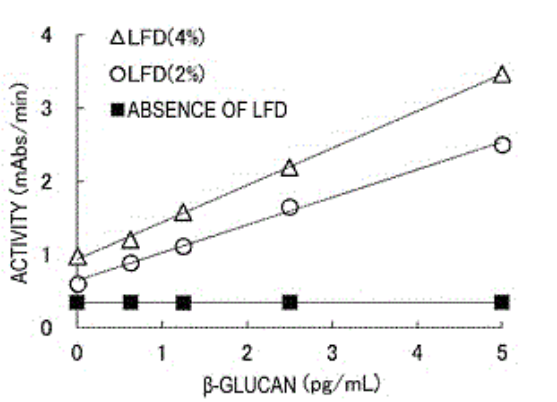


21: 2024/01082. 22: 2024/02/01. 43: 2025/03/20
51: C12M; C12N; C12P; C12Q
71: SEIKAGAKU CORPORATION
72: MIZUMURA, HIKARU, KOBAYASHI, YUKI, TAKESHITA, NAOKI, ODA, TOSHIO
33: JP 31: 2021-128613 32: 2021-08-04
33: JP 31: 2022-010643 32: 2022-01-27
33: JP 31: 2021-175670 32: 2021-10-27

54: REAGENT FOR MEASURING ?-GLUCAN, METHOD FOR PRODUCING SAME AND USE THEREOF

00: -

The present invention addresses the problem of providing a high-performance reagent for measuring β-glucan without the need for horseshoe crab blood cell extract. By using factor D derived from horseshoe crab in a reagent for measuring β-glucan, the present invention can provide a high-performance reagent for measuring β-glucan without the need for horseshoe crab blood cell extract.

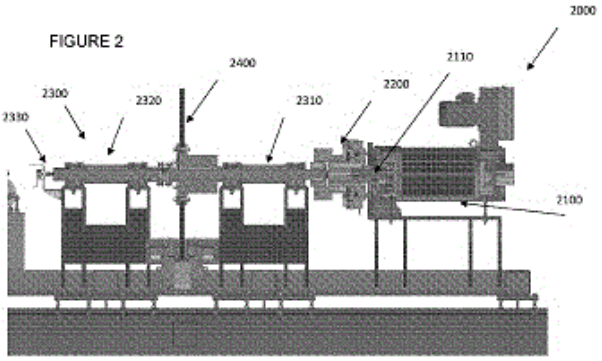


21: 2024/01083. 22: 2024/02/01. 43: 2025/03/20
51: F03G; H02J; B66B
71: ENERGY VAULT, INC.
72: PEDRETTI, ANDREA
33: US 31: 63/203,070 32: 2021-07-07

54: LIFT DRIVE SYSTEM FOR ENERGY STORAGE AND DELIVERY SYSTEM

00: -

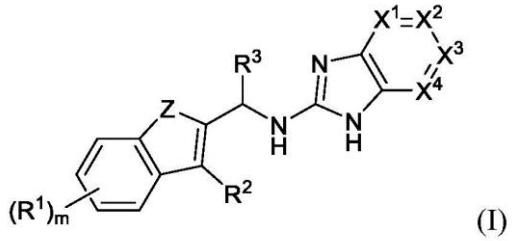
A lift drive system for an energy storage and delivery system includes an electric motor that rotates a driven shaft, a brake assembly for selectively braking the rotation of the driven shaft, and optionally includes a clutch selectively operable to decouple the electric motor from the driven shaft. A steel ribbon is disposed at least partially about and in contact with the driven shaft, where rotation of the driven shaft by the electric motor causes linear movement of the steel ribbon. The steel ribbon can connect at one end to an elevator cage assembly and at an opposite end to a counterweight.



21: 2024/01093. 22: 2024/02/02. 43: 2025/03/20
51: A01N
71: DVA AGRO GMBH
72: GONÇALVES, NATÁLIA, FRANCISCHELLI, BRUNO, VELASQUES CACERES, HECTOR, BRUEL OCAMPOS, LUIS LEOPOLDO

33: BR 31: 1020210146737 32: 2021-07-26
33: BR 31: 1020220144583 32: 2022-07-21
54: AGROCHEMICAL COMBINATION, APPLICATION METHOD AND USE THEREOF
00: -
The present invention relates to an agrochemical combination comprising at least one compound classified as a non-steroidal anti-inflammatory drug, wherein said compound is preferably a propionic acid derivative, more specifically isobutylphenyl propionic acid. The present invention further relates to a novel use of a compound classified as a non-steroidal anti-inflammatory drug for eliminating or reducing the resistance of undesirable plants to different agrochemicals, herbicides or pesticides, as an agrochemical, herbicide and/or pesticide enhancer. In addition, the present invention relates to a method for controlling the undesired growth of plants, such as weeds and other agricultural pests for example, by means of the application of said at least one compound classified as a non-steroidal anti-inflammatory drug.

21: 2024/01094. 22: 2024/02/02. 43: 2025/03/20
51: A61K; C07D
71: SCORPION THERAPEUTICS, INC.
72: ST. JEAN Jr., David
33: US 31: 63/231,156 32: 2021-08-09
54: COMPOUNDS THAT INHIBIT PI3K ISOFORM ALPHA AND METHODS FOR TREATING CANCER
00: -
This disclosure provides compounds of Formula (I), and pharmaceutically acceptable salts thereof, that inhibit phosphatidylinositol 4,5-bisphosphate 3-kinase (PI3K) isoform alpha (PI3Ka). These chemical entities are useful, e.g., for treating a condition, disease or disorder in which increased (e.g., excessive) PI3Ka activation contributes to the pathology and/or symptoms and/or progression of the condition, disease or disorder (e.g., cancer) in a subject (e.g., a human). This disclosure also provides compositions containing the same as well as methods of using and making the same.



(I)

21: 2024/01146. 22: 2024/02/05. 43: 2025/03/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, SUBRAHMANIAM, NARAYANAN
33: EP 31: 21193055.7 32: 2021-08-25
54: DETERGENT COMPOSITION
00: -
The present invention relates to a laundry detergent composition having a desirable foam profile during the laundering process. It is thus an object of the present invention to provide a detergent composition which provides good foam profile. It is yet another objection of the present invention to provide a detergent composition which reduces the amount of water required for rinsing. The present inventors have found that a detergent composition having specifically selected primary anionic detersive surfactant when present in combination with cosurfactant and a foam suppressing agent surprisingly provides good foam formation in the wash stage while eliminating the foam quickly during the rinsing stage.

21: 2024/01147. 22: 2024/02/05. 43: 2025/03/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, SUBRAHMANIAM, NARAYANAN
33: EP 31: 21193055.7 32: 2021-08-25
54: DETERGENT COMPOSITION
00: -
The present invention relates to a laundry detergent composition having a desirable foam profile during

the laundering process. It is thus an object of the present invention to provide a detergent composition which provides good foam profile. It is yet another objection of the present invention to provide a detergent composition which reduces the amount of water required for rinsing. The present inventors have found that a detergent composition having specifically selected primary anionic detersive surfactant when present in combination with cosurfactant and a foam suppressing agent surprisingly provides good foam formation in the wash stage while eliminating the foam quickly during the rinsing stage.

21: 2024/01148. 22: 2024/02/05. 43: 2025/03/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, SUBRAHMANIAM, NARAYANAN
33: EP 31: 21193055.7 32: 2021-08-25
54: DETERGENT COMPOSITION
00: -
The present invention relates to a laundry detergent composition having a desirable foam profile during the laundering process. It is thus an object of the present invention to provide a detergent composition which provides good foam profile. It is yet another objection of the present invention to provide a detergent composition which reduces the amount of water required for rinsing. The present inventors have found that a detergent composition having specifically selected primary anionic detersive surfactant when present in combination with cosurfactant and a foam suppressing agent surprisingly provides good foam formation in the wash stage while eliminating the foam quickly during the rinsing stage.

21: 2024/01149. 22: 2024/02/05. 43: 2025/03/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: CHACKO, ABRAHAM, KUMAR, GIRISH, KUMAR, SHARAVAN, PAWAR, KUNAL SHANKAR, SHAIKH, NADEEM, SINGH, SATYENDRA PRASAD
33: EP 31: 21196801.1 32: 2021-09-15
54: PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE
00: -
The present invention relates to a process for preparing a spray-dried detergent particle. Particularly to spray-dried laundry detergent particles with low pH, low alkalinity and have good particle characteristics. It is thus an object of the present invention to provide a process for preparing a spray dried detergent particle having low pH and low alkalinity. It is yet another object of the present invention to provide a spray dried detergent particle with low levels of alkaline builders such as carbonate and silicate and yet having good powder properties over extended storage periods.The present inventors have found that a spray dried detergent particle having an aqueous slurry having one or more ingredients selected from the group consisting of a carboxylic acid salt of aluminium, an aluminium complex of carboxylic acid or mixtures thereof provides for excellent powder properties and extended shelf life without getting caked. It is also surprisingly found that the spray-dried particle provides desired pH in wash solution required for good stain removal performance without being harsh on the hands or the fabrics.

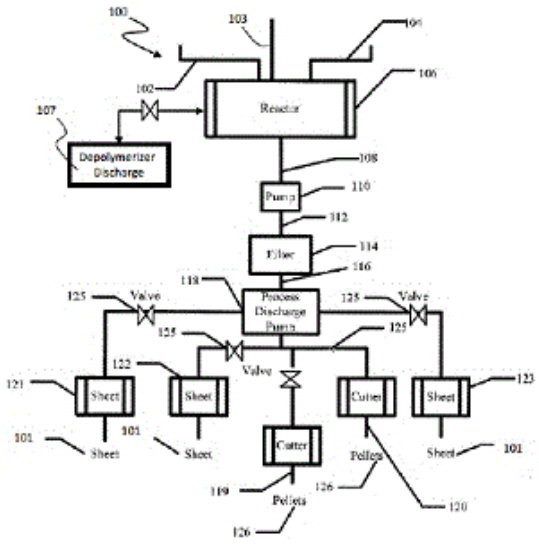
21: 2024/01150. 22: 2024/02/05. 43: 2025/03/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, SUBRAHMANIAM, NARAYANAN
33: EP 31: 21193056.5 32: 2021-08-25
33: EP 31: 21193055.7 32: 2021-08-25
54: DETERGENT COMPOSITION
00: -
The present invention relates to a laundry detergent composition having a desirable foam profile during the laundering process. It is thus an object of the present invention to provide a detergent composition which provides good foam profile. It is yet another objection of the present invention to provide a detergent composition which reduces the amount of water required for rinsing. The present inventors have found that a detergent composition having specifically selected primary anionic detersive surfactant when present in combination with cosurfactant and a foam suppressing agent surprisingly provides good foam formation in the wash stage while eliminating the foam quickly during the rinsing stage.

21: 2024/01151. 22: 2024/02/05. 43: 2025/03/20
51: C11D

71: UNILEVER GLOBAL IP LIMITED
72: CHACKO, ABRAHAM, KUMAR, GIRISH, KUMAR, SHARAVAN, PAWAR, KUNAL SHANKAR, SHAIKH, NADEEM, SINGH, SATYENDRA PRASAD
33: EP 31: 21196783.1 32: 2021-09-15
54: PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE
00: -
The present invention relates to a process for preparing a spray-dried detergent particle. Particularly to spray-dried laundry detergent particles with low pH, low alkalinity and have good particle characteristics. It is thus an object of the present invention to provide a process for preparing a spray dried detergent particle having low pH and low alkalinity. It is yet another object of the present invention to provide a spray dried detergent particle with low levels of alkaline builders such as carbonate and silicate and yet having good powder properties over extended storage periods.The present inventors have found that a spray dried detergent particle having an in-situ formed organic carboxylate salt of alkaline earth metal provides for excellent powder properties and extended shelf life without getting caked. It is also surprisingly found that the spray-dried particle provides desired pH in wash solution required for good stain removal performance without being harsh on the hands or the fabrics.

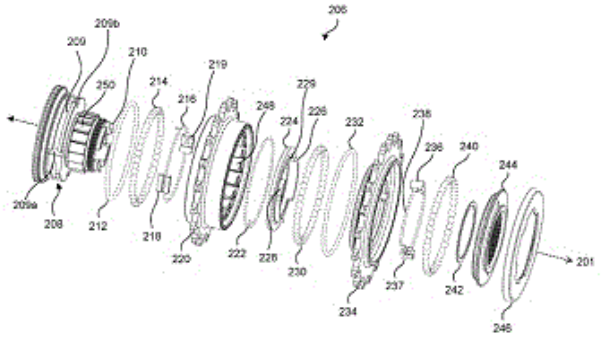
21: 2024/01152. 22: 2024/02/05. 43: 2025/03/20
51: B32B
71: UNILEVER GLOBAL IP LIMITED
72: BEZERRA, ARTUR TRALDI, NAIDOO, YUVESVERI
33: EP 31: 21197005.8 32: 2021-09-15
54: A RECYCLABLE ARTICLE FOR PACKAGING
00: -
The present invention relates to a sustainable, recyclable article for packaging. A need remains to have plastic packaging with maximum label coverage on the container, while being able to recycle without causing difficulties during recycling. It is therefore an object of the present invention to provide plastic packaging having more than or equal to 70% label coverage which can be recycled by detecting and sorting the plastic article by NIR (near infrared) sorting process. It has been found that the polymer of the plastic packaging with a higher label coverage can be detected and sorted by NIR (near infrared) sorting process by maintaining a thickness of less than 60 pm in the substrate layer of the label used.

21: 2024/01167. 22: 2024/02/06. 43: 2025/03/20
51: B29B; C12P
71: OCTAL SAOC FZC, SULTANATE OF OMAN
72: JOSHI, TARUN, SIDDIQUI, MUTEEB, HAARMANN, KLAUS, BRADNAM, JERRY, BROWN, SEAN, RAZEEM, MOHAMMED, BARENBERG, WILLIAM J, BARAKAT, NICHOLAS P
33: US 31: 16/808,939 32: 2020-03-04
33: US 31: 62/850,168 32: 2019-05-20
54: PROCESS FOR RECLAMATION OF POLYESTER BY REACTOR ADDITION
00: -
A method for reclaiming polyester can include: providing a feed of recycled polyester 420; providing a feed of polyester precursors 422; depolymerizing the recycled polyester 420 to obtain depolymerized polyester monomers 421; polymerizing the depolymerized polyester monomers 421 with the polyester precursors 422 to form a reclaimed polyester 423; and providing the reclaimed polyester 423 as output 102.



21: 2024/01197. 22: 2024/02/07. 43: 2025/03/20
51: B62M; F16D
71: WORLD BICYCLE RELIEF, NFP
72: JORDAN, BRIAN
33: US 31: 63/063,672 32: 2020-08-10
54: MULTI-SPEED REAR DRIVE FOR A BICYCLE
00: -

A system and method for simple transmission of a multi-speed bicycle is provided. A bicycle can have a transmission that can be toggled by a kickback shifting mechanism. A rear wheel hub can support a freewheel having a high speed gear sprocket and a low speed gear sprocket with dedicated chains to create dedicated gear-shifting. Rotating the pedal shaft in the non-drive direction approximately one-quarter rotation can toggle the transmission between the first gear ratio and the second gear ratio with a shifting surface that alternately allows driving engagement of the high speed gear sprocket with the rear wheel driver.



21: 2024/01204. 22: 2024/02/07. 43: 2025/03/20
51: E02F; G01S; G06T
71: CATERPILLAR INC.
72: MIANZO, LAWRENCE A, OBLAK, TOD A, PLOUZEK, JOHN M, WISE, RAYMOND A, MATHEW, SHAWN N, ADLER, DANIEL P
33: US 31: 17/399,433 32: 2021-08-11

54: WORK MACHINE GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD

00: -

An example wear detection system (110) receives a plurality of images from a plurality of sensors (126, 128) associated with a work machine (100). Individual sensors of the plurality of sensors have respective fields-of-view (127, 129) different from other sensors of the plurality of sensors. The wear detection system identifies a first region of interest(550) and second region of interest (550) associated with the at least one GET. The wear detection system determines a first set of image points (920) and a second set of images points (920) for the at least one GET based on geometric parameters (535) associated with the GET. The wear detection system determines a wear level or loss for the at least one GET based on the GET measurement.

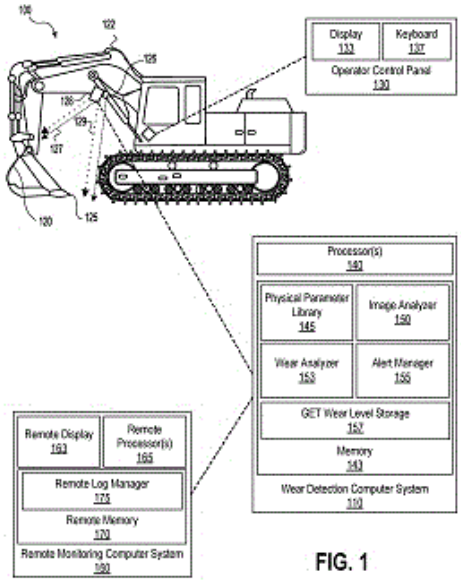


FIG. 1

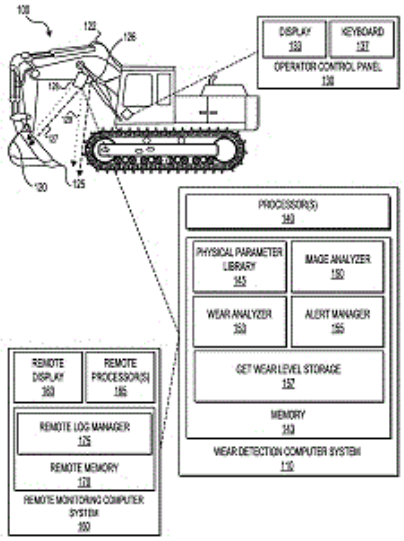
21: 2024/01206. 22: 2024/02/07. 43: 2025/03/20
51: E02F; G06Q
71: CATERPILLAR INC.
72: MIANZO, LAWRENCE A, OBLAK, TOD A, MATHEW, SHAWN NAINAN, PLOUZEK, JOHN M, WISE, RAYMOND ALAN, ADLER, DANIEL PAUL
33: US 31: 17/399,199 32: 2021-08-11

54: SYSTEM AND COMPUTER-IMPLEMENTED METHOD FOR DETERMINING WEAR LEVELS OF A GROUND ENGAGING TOOL OF A WORK MACHINE INDICATIVE OF A TOOL REPLACEMENT CONDITION

00: -

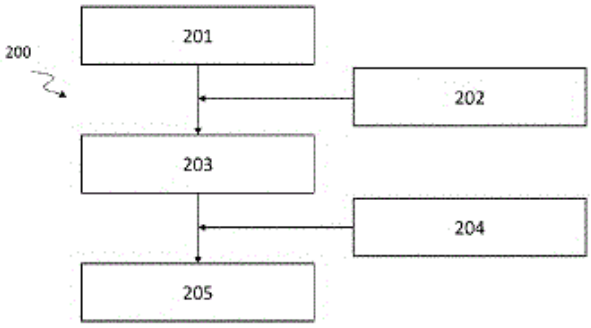
An example wear detection system (110) receives first image data related to at least one ground engaging tool (GET) of a work machine (100) from one or more sensors at a first time instance in a dig-dump cycle of the work machine. The wear detection system processes the first image data to determine a first wear measurement and first wear level for the at least one GET. The wear detection system determines whether the first wear level is indicative of a GET replacement condition. The wear detection system generates an alert when the first wear level is indicative of the GET replacement condition. The wear detection system receives second image data related to the at least one GET a second time instance different from the first time instance when the first wear level is not indicative of the GET

replacement condition and determines a second wear measurement and second wear level for the at least one GET. The wear detection system generates an alert indicative of the first wear level and the second wear level based on determining that the first wear level and the second wear level are indicative of the GET replacement condition.

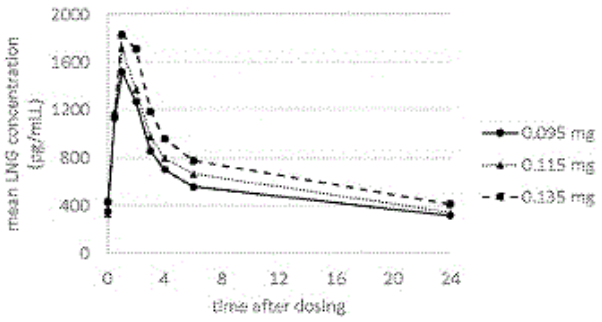


21: 2024/01246. 22: 2024/02/08. 43: 2025/03/20
51: A01N; C07D
71: FORTEPHEST LTD.
72: KOZAK, ALEX, SHAPIRO, ISRAEL
33: US 31: 63/203,169 32: 2021-07-12
54: NOVEL DERIVATIVES OF NON-CODED AMINO ACIDS AND THEIR USE AS HERBICIDES
00: -
Novel chemical compounds having herbicidal activity, agricultural compositions, process for their manufacture and their use in crop protection are provided.

21: 2024/01251. 22: 2024/02/09. 43: 2025/03/20
51: C05G; C05C; C08L
71: SABIC GLOBAL TECHNOLOGIES B.V.
72: HAIGH, JAMES, KANNAN, GANESH
33: US 31: 63/073,056 32: 2020-09-01
54: COATED FERTILIZER GRANULES
00: -
A fertilizer granule containing a core containing a plant nutrient; and a coat containing 55 wt. % to 90 wt. % of a poly butylene succinate adipate (PBSA), 10 wt. % to 45 wt. % of a second polymer selected from poly lactic acid (PLA), poly butylene succinate (PBS), or a combination or blend of PLA and PBS, and 0 wt. % to 30 wt. % of a wax based on the total weight of the coat, the coat forming a coating on an outer surface of the core and methods of making and using the fertilizer granule. Also a coating composition containing 55 wt. % to 90 wt. % of a PBSA and 10 wt. % to 45 wt. % of a second polymer selected from PLA, PBS, or a combination or a blend of PLA and PBS, and 0 wt. % to 30 wt. % of a wax.



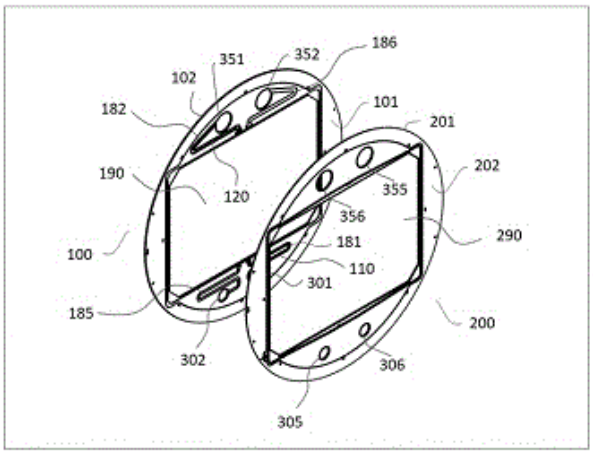
21: 2024/01265. 22: 2024/02/09. 43: 2025/03/20
51: A61K; A61P
71: NAVAD LIFE SCIENCES PTE
72: OETTEL, MICHAEL, OSTERWALD, HERMANN, KOCHHAR, PRITHI
33: US 31: 17/385,057 32: 2021-07-26
54: PROGESTOGEN-ONLY ORAL CONTRACEPTION
00: -
The present invention relates to a method for providing progestogen only contraception. The method consists of orally administering to a human subject desiring contraception a tablet consisting of about 0.115 mg to about 0.145 mg of levonorgestrel (LNG) and one or more pharmaceutical acceptable excipients for a treatment period of at least twenty-eight days.



21: 2024/01266. 22: 2024/02/09. 43: 2025/03/20

51: C25B
71: INDUSTRIE DE NORA S.P.A.
72: CALDERARA, ALICE, MORA, STEFANIA
33: IT 31: IT102021000020735 32: 2021-08-02
54: ELECTRODE FOR THE ELECTROLYTIC EVOLUTION OF HYDROGEN
00: -
The present invention relates to an electrode and in particular to an electrode suitable for use as a cathode for hydrogen evolution in industrial electrolytic processes and a method for its preparation. The electrode comprises a metal substrate provided with a catalytic coating, said catalytic coating comprising a first protective layer in direct contact with the substrate, said first protective layer comprising platinum, in the form of metal or its oxides, and a second layer applied on top of said first protective layer, said second layer comprising platinum, palladium and an element selected from the group of rare earths, in the form of metals or their oxides, wherein said second layer comprises 15-40% by weight of platinum and 10-30% by weight of palladium and 40-75% by weight of an element selected from the group of rare earths referred to metals.

21: 2024/01271. 22: 2024/02/09. 43: 2025/03/20
51: C25B
71: INDUSTRIE DE NORA S.P.A.
72: NUZZO, DANIELE, LIUZZO, MIRKO, PEREGO, MICHELE
33: EP 31: 21189863.0 32: 2021-08-05
54: ELECTROLYSER FRAME DESIGN
00: -
The present invention concerns an electrolyser and a method for producing the same. The electrolyser comprises at least two electrolytic cells respectively provided with anodic and cathodic frames where the frames are equipped with feed and discharge channels that reduce stray currents and facilitate cell assembly. The electrolyser may be advantageously employed for high pressure alkaline water electrolysis (AWE).



21: 2024/01297. 22: 2024/02/12. 43: 2025/03/20
51: C07K; A61K
71: GENENTECH, INC.
72: GROGAN, JANE L, JOHNSTON, ROBERT J, WU, YAN, LIANG, WEI-CHING, LUPARDUS, PATRICK, YADAV, MAHESH, SESHASAYEE, DHAYA, HAZEN, MEREDITH
33: US 31: 62/369,299 32: 2016-08-01
33: US 31: 62/233,230 32: 2015-09-25
54: ANTI-TIGIT ANTIBODIES AND METHODS OF USE
00: -
The invention provides anti-TIGIT (T-cell immunoreceptor with lg and ITIM domains) antibodies and methods of using the same.

21: 2024/01314. 22: 2024/02/12. 43: 2025/03/20
51: B65G; B07C
71: UNITEC S.P.A.
72: BENEDETTI, LUCA
33: IT 31: 102021000018389 32: 2021-07-13
54: APPARATUS FOR CONVEYING HORTICULTURAL PRODUCTS
00: -
An apparatus for conveying horticultural products (A), which comprises means (2) for cyclic movement along an advancement direction (B) of a plurality of rotating assemblies (3), which are arranged in series along the direction (B) with the possibility to rotate about respective rotation axes (C) which are perpendicular to the direction (B); at least some pairs of assemblies (3), which are consecutive, define respective conveyance units (4) for corresponding horticultural products (A), which can be rested on the pairs substantially above the interspace between the assemblies (3). Each assembly (3) comprises at least four rotating and

circular disks (5a, 5b, 5c) which are aligned coaxially along the respective rotation axis (C); in each unit (4) the external disks (5a) of each assembly (3) have a larger diameter than the internal disks (5b, 5c) of the same assembly (3) and a first internal disk (5b), which is larger, of each assembly (3) has a diameter that is larger than the diameter of the other internal disk (5c), which is smaller; moreover, the larger disks (5b) and the smaller disks (5c) are arranged so as to be mutually offset in the two assemblies (3) of the same unit (4).

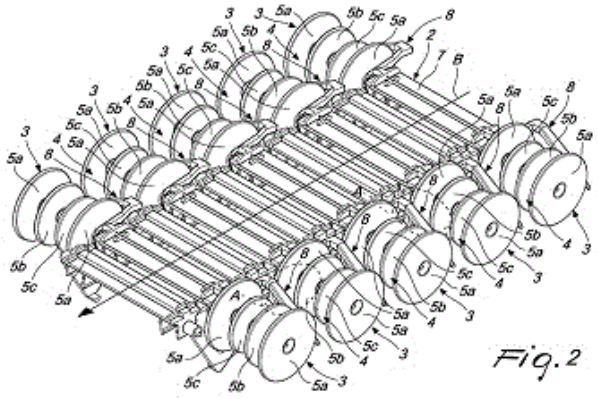
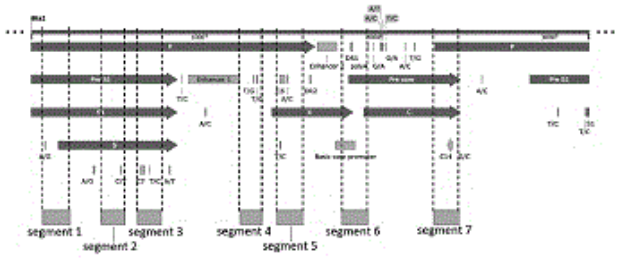


Fig. 2

21: 2024/01319. 22: 2024/02/12. 43: 2025/03/20
51: A61K; C12N
71: EMENDOBIO INC.
72: EMMANUEL, RAFI
33: US 31: 63/224,581 32: 2021-07-22
54: HEPATITIS B VIRUS (HBV) KNOCKOUTS
00: -
RNA molecules comprising a guide sequence portion having 17-50 contiguous nucleotides containing nucleotides in the sequence set forth in any one of SEQ ID NOs: 1-18936 and compositions, methods, and uses thereof.



21: 2024/01320. 22: 2024/02/12. 43: 2025/03/20
51: B22C; B22D
71: FOSECO INTERNATIONAL LIMITED
72: HRABINA, DAVID
33: EP 31: 21190734.0 32: 2021-08-11
33: EP 31: 21190735.7 32: 2021-08-11
54: MOULD FOR CASTING MOLTEN METAL COMPRISING A COUPLING MECHANISM FOR A SHROUD, CASTING INSTALLATION FOR CASTING A MOLTEN METAL AND METHOD FOR CASTING A MOLTEN METAL
00: -
The invention refers to a mould (2) for casting molten metals comprising a mould / shroud coupling mechanism (14) for a shroud (9) of a casting installation (1) comprising a funnel (11) attached to a hollow shaft (10), the mould / shroud coupling mechanism comprising a seat member (15) for receiving the funnel (11) and holding the shroud (9) and a base member (16) fixed to the upper surface (8) of the mould and coupled to the seat member (15) by at least one compliant element (17) such that the seat member (15) is separated from and movable relative to the base member (16) upon application of a load onto the seat member (15) which deforms the at least one compliant element.

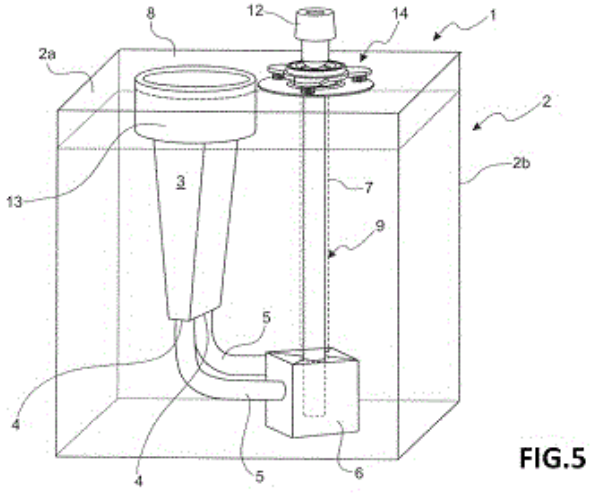


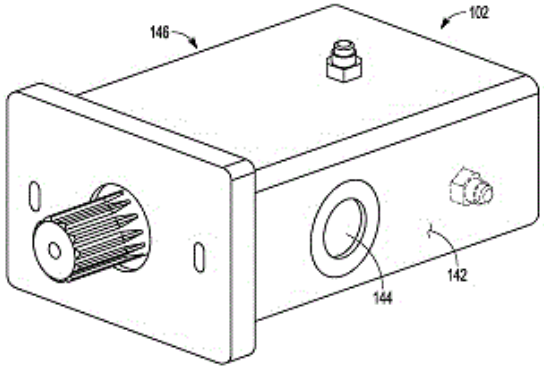
FIG.5

21: 2024/01321. 22: 2024/02/12. 43: 2025/03/20
51: C07K; A61P
71: IMMUNITAS THERAPEUTICS, INC.
72: TISDALE, ALISON, BIALUCHA, ULI, PUNKOSDY, GEORGE, FUSCO, ALEXANDRIA, IRVINE, FRANO, ROSENTRATER, EMILY, SCANLON, ELIZABETH, BATTLES, MICHAEL
33: US 31: 63/236,122 32: 2021-08-23
54: ANTI-CD161 ANTIBODIES AND USES THEREOF
00: -

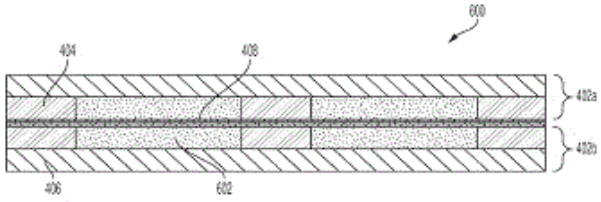
The invention relates generally to anti-CD161 antibodies, pharmaceutical compositions comprising such antibodies, and methods of using such antibodies for treating disorders associated with or mediated by CD161, for example, certain cancers. In addition, the invention also relates to expression vectors and host cells for making these antibodies.

21: 2024/01324. 22: 2024/02/13. 43: 2025/03/20
51: C07D; A61K; A61P
71: PRINCIPIA BIOPHARMA INC.
72: GOLDSTEIN, DAVID, OWENS, TIMOTHY D
33: US 31: 62/170,547 32: 2015-06-03
33: US 31: 62/271,689 32: 2015-12-28
54: TYROSINE KINASE INHIBITORS
00: -
The present disclosure provides compounds that are tyrosine kinase Inhibitors, In particular Bruton tyrosine kinase ("BTK") Inhibitors, and are therefore useful for the treatment of diseases treatable by inhibition of BTK such as cancer, autoimmune, inflammatory, and thromboembolic diseases. Also provided are pharmaceutical compositions containing such compounds and processes for preparing such compounds.

21: 2024/01331. 22: 2024/02/13. 43: 2025/03/20
51: F04B
71: CATERPILLAR INC.
72: MORK, DAVID A, ENGLISH, PAUL R, MICKIEWICZ, MATTHEW
33: US 31: 17/404,202 32: 2021-08-17
54: PUMP CONFIGURATION INCLUDING A PURGE VALVE
00: -
A pump and purge valve (104,204) configuration may include an inlet (244A/B), an outlet (246A/B) arranged downstream of the inlet and defining a portion of an operational fluid pathway, and a pump mechanism (248A/B) arranged along the operational fluid pathway between the inlet and the outlet. The pump and purge valve configuration may also include a purging fluid pathway (116/216) having a purge inlet (120/220) in fluid communication with the operational fluid pathway at a point downstream of the pump. The purging fluid pathway may extend from the purge inlet to a relief point. The pump and purge valve configuration may also include a purge valve arranged along the purging fluid pathway. The purge valve may be configured to remain open unless a triggering fluid pressure develops in the pump mechanism.

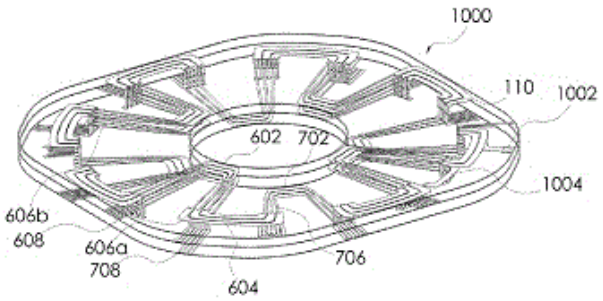


21: 2024/01332. 22: 2024/02/13. 43: 2025/03/20
51: H02K
71: E-CIRCUIT MOTORS, INC.
72: MILHEIM, GEORGE HARDER, SHAW, STEVEN ROBERT, DUFFY, RYAN TERRENCE, CARIGNAN, EDWARD CHARLES
33: US 31: 63/227,644 32: 2021-07-30
54: MAGNETIC MATERIAL FILLED PRINTED CIRCUIT BOARDS AND PRINTED CIRCUIT BOARD STATORS
00: -
A dielectric substrate may support conductive traces that form windings for a least one pole of a planar armature of an axial flux machine. At least a portion of the dielectric substrate, which is adapted to be positioned within an annular active area of the axial flux machine, may include a soft magnetic material. Such a planar armature may be produced, for example, by forming the conductive traces on the dielectric substrate, and filling interstitial gaps between the conductive traces with at least one epoxy material in which the soft magnetic material is embedded.

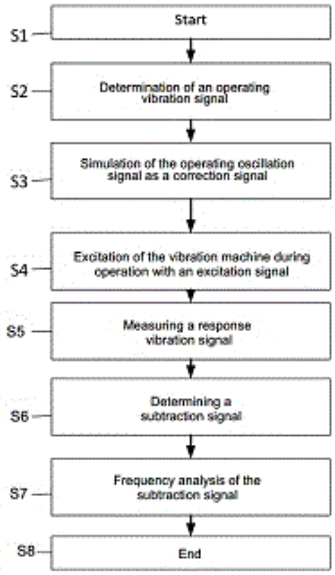


21: 2024/01333. 22: 2024/02/13. 43: 2025/03/20
51: H02K
71: E-CIRCUIT MOTORS, INC.
72: SHAW, STEVEN ROBERT, MILHEIM, GEORGE HARDER

33: US 31: 17/404,061 32: 2021-08-17
54: LOW-LOSS PLANAR WINDING CONFIGURATIONS FOR AN AXIAL FLUX MACHINE
00: -
A planar stator includes conductive traces forming windings for poles, and at least first and second conductive vias extending between first and second conductive layers, the first and second conductive vias being positioned to be located radially on a first side of an annular conductive region of an axial flux machine. The conductive traces include a first conductive trace in the first conductive layer and a second conductive trace in the second conductive layer. The first conductive trace includes a first end turn positioned to be located radially on a second side of the annular active region, the second side being opposite the first side. The second conductive trace includes a second end turn positioned to be located radially on the first side of the annular active region. The first conductive trace extends along a first path that begins at the first conductive via, passes through the first end turn, and ends at the second conductive via. The second conductive trace extends along a second path that begins at the second conductive via and passes through the second end turn. All of the conductive vias that interconnect the first and second conductive traces are positioned to be located radially on the first side of the annular conductive regions.



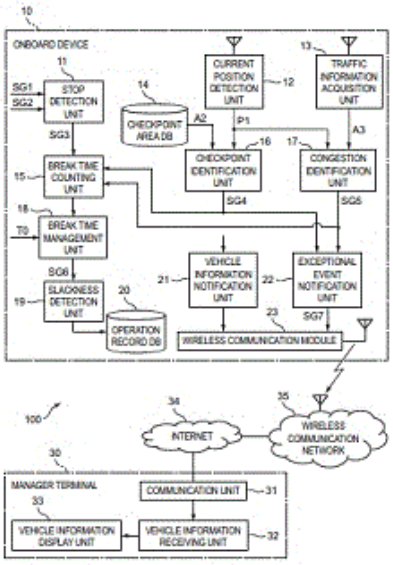
21: 2024/01376. 22: 2024/02/14. 43: 2025/03/20
51: G01H
71: SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
72: SCHAEFER, JAN
33: DE 31: 10 2021 120 494.1 32: 2021-08-06
54: METHOD FOR RESONANCE ANALYSIS OF A VIBRATING MACHINE
00: -
The invention relates to a method for resonance analysis of a vibrating machine, in particular a vibrating screen or a vibrating conveyor, comprising the following steps during operation: - determining an operational vibration signal, which comprises the vibrations of the machine in regular operation, - exciting the vibrating machine during operation by an excitation signal for exciting additional vibrations on the vibrating machine, - measuring a response vibration signal of the vibrating machine in response to the excitation, - determining a subtraction signal by using the operational vibration signal as a correction signal which is subtracted from the response vibration signal, and - carrying out frequency analysis of the subtraction signal, the dominant frequencies of the subtraction signal corresponding to the natural frequencies of the system in the frequency range of the excitation signal.



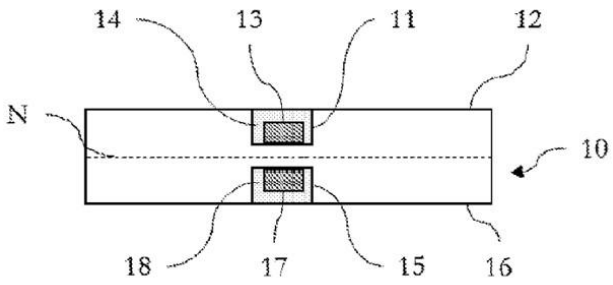
21: 2024/01378. 22: 2024/02/14. 43: 2025/03/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: DAGAONKAR, MANOJ VILAS, GHOSH, SOMNATH
33: IN 31: 202121041424 32: 2021-09-14
33: EP 31: 21203003.5 32: 2021-10-15
54: AN ALKALINE HARD SURFACE CLEANING COMPOSITION
00: -
The present invention relates to an aqueous alkaline composition comprising calcium-based anionic surfactant for cleaning hard surfaces. It provides an

aqueous hard surface cleaning composition comprising: (i) calcium salt of linear alkyl benzene sulphonic acid; (ii) 21 to 50 wt% of an abrasive particle; (iii) alkoxylated fatty alcohol; and (iv) magnesium oxide; wherein (a) the composition has a pH in the range of 9 to 12 at 20 °C; (b) the composition comprises an amount of magnesium salt of linear alkyl benzene sulphonic acid that is 0 to 1 wt% of the amount of said calcium salt; (c) the composition comprises less than 1 wt% sodium salt of linear alkyl benzene sulphonic acid; (d) the composition has a viscosity in the range 500 to 2000 mPa.S at 20 S^{-1} shear rate and 25°C; (e) said abrasive has a Moh's index in the range 0.5 to 7 and comprises at least calcite; and (f) the amount of surfactant on the surface of the abrasive particles is 0 to 10 % of the total surfactant of the composition; and (g) said alkoxylated fatty alcohol has and HLB value in the range 11 to 20, carbon chain length 12 to 16 and ethoxylation degree of 5 to 8.

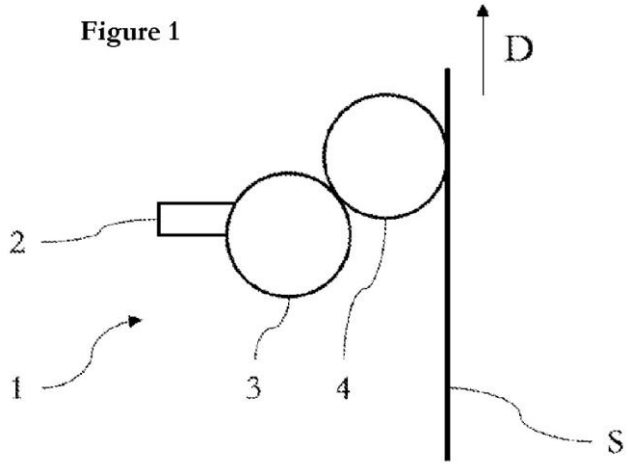
21: 2024/01815. 22: 2024/03/01. 43: 2025/03/03
51: G08G; G06Q
71: YAZAKI CORPORATION
72: KAWAMOTO, MUNEHIKO, KOGO, KOSUKE
33: JP 31: 2021-163631 32: 2021-10-04
54: VEHICLE MONITORING SYSTEM
00: -
In the present invention, a checkpoint identification unit (16) detects a checkpoint passage exception by comparing the current position of a monitored vehicle and a checkpoint area. A congestion identification unit (17) detects a congestion area passage exception. If a stopped vehicle detection unit (11) detects that a vehicle has stopped, a break time counting unit (15) counts and ascertains the length of a current break time, unless an exception applies. A break time management unit (18) ascertains the total sum of break times detected during vehicle operation. If the total sum of break times exceeds an allowed break time T0 for each driver, a slacking-off detection unit (19) detects that the driver is slacking off, and reflects the slacking-off in a personal evaluation. When passing an exception area, an onboard device (10) automatically notifies a manager terminal (30) of such information.



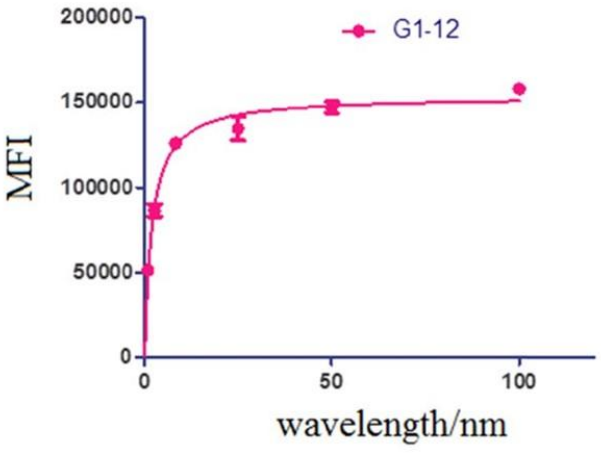
21: 2024/01832. 22: 2024/03/04. 43: 2025/05/15
51: B21D; G01B
71: ARCELORMITTAL
72: Mounir AMOURAK, Olivier MADELAINE-DUPUICH, Jean-Marc HEMMEN, Pierre GAUJE, Florent SPONEM
54: LEVELLER CALIBRATION DEVICE
00: -
The invention relates to a calibrating bar, for calibrating a multi-roll leveller for metal strips, said calibrating comprising - a first groove on a first face wherein a first optical fibre is embedded by means of an adhesive, - a second groove on a second face, being opposite to said first face, wherein a second optical fibre is embedded by means of an adhesive, - said first optical fibre and said second optical fibre comprising a fibre Bragg grating and being essentially parallel, - said first optical fibre and said second optical fibre being located at the same distance from said neutral plane N, - said first embedded optical fibre and said second embedded optical fibre being configured such that they can be connected to an optical coupler and such that it has a sufficient length to extend over all the rolls of said multi-roll leveller.



21: 2024/01833. 22: 2024/03/04. 43: 2025/05/15
51: B05C; B05D; C21D
71: ARCELORMITTAL
72: Vincent RUWET, Charles HANQUET, Jacques HERNANDEZ, Yves CHARBONNEL
33: IB 31: PCT/IB2021/059204 32: 2021-10-07
54: PROCESS FOR MANUFACTURING A STEEL STRIP FOR ELECTRICAL APPLICATIONS AND ASSOCIATED APPARATUS
00: -
A coating apparatus (1) for the continuous manufacturing of steel strips S coated with a varnish for electrical applications comprising a tank (2), a coating roll (3) and an applicator roll (4) wherein: - said tank (2) is able to contain a varnish solution and is configured such that said coating roll (3) is in contact with said varnish solution, - said coating roll (3) is configured to be in contact with said applicator roll (4) and to homogenously transfer, in the steel strip width direction, said varnish onto said applicator roll (4), - said applicator roll (4) is configured to be in contact with said steel strip S, and to homogeneously coat said steel strip in the width of said steel strip and the surface of said applicator roll has a hardness from 40 to 60 shores A.



21: 2024/02617. 22: 2024/04/04. 43: 2025/03/26
51: A61K; C07H; C07K; C09K; C12P; A61P
71: GUANGZHOU RIBOBIO CO., LTD.
72: ZHANG, Bill Biliang, ZHAO, Haoting, WU, Naixing
33: CN 31: 202310897323.4 32: 2023-07-20
54: THREE CLUSTER GALACTOSE TYPE COMPOUND, CONJUGATE, MAKING METHOD AND USE THEREOF
00: -
This disclosure relates to a compound of formula (I), and a conjugate linked by this compound and pharmaceutical molecule. This disclosure also relates the making method of this compound, as well as the use of the said compound and the conjugate in making pharmaceutical related to cure or prevent the disease related to expression or over expression of gene in hepatocyte.



21: 2024/02878. 22: 2024/04/12. 43: 2025/04/15
51: C07D; A61P; A61K
71: REVOLUTION MEDICINES, INC.

72: BUCKL, ANDREAS, BURNETT, G. LESLIE, CREGG, JAMES, EDWARDS, ANNE V, GILL, ADRIAN L, KNOX, JOHN E, KOLTUN, ELENA S, LIU, YANG, SEMKO, CHRISTOPHER
33: US 31: 63/254,013 32: 2021-10-08
54: RAS INHIBITORS
00: -
The invention features macrocyclic compounds, and pharmaceutical compositions and protein complexes thereof, capable of inhibiting Ras proteins, and their uses in the treatment of cancers.

21: 2024/03317. 22: 2024/04/29. 43: 2024/11/11
51: A63H; E04B; F16B
71: PRODUKTIF NORWAY AS
72: KONGSHAUG, Rune
33: NO 31: 20211173 32: 2021-09-30
54: HYBRID JOINT ASSEMBLY
00: -
Hybrid joint assembly (100) comprising at least one cylinder-shaped joint assembly (200) comprising an elongated or disc-shaped main body (201) provided with exterior connection surfaces (202) for attachment of structure elements (500) extending in a horizontal plane via a connection interface (210), and at longitudinal ends thereof adapted for connection to structure elements (500) extending in a vertical plane via a connection disc (250) or structure elements (500) extending in a parallel vertical plane via a rotational connection module (300) and at least one connection module (400).

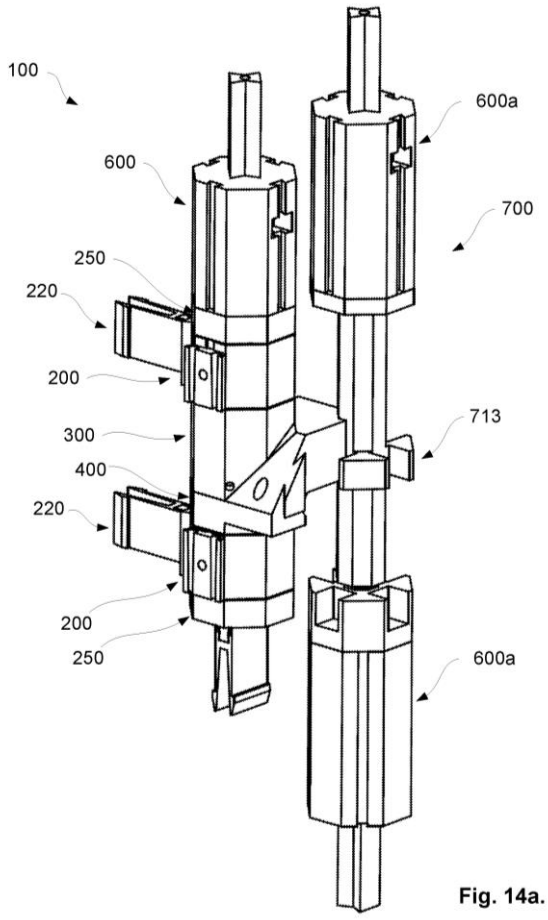


Fig. 14a.

21: 2024/03530. 22: 2024/05/08. 43: 2025/03/13
51: C07F
71: LIER CHEMICAL CO., LTD.
GUANGAN LIER CHEMICAL CO., LTD.
72: LIU, YONGJIANG, CAI, JIE, XU, MIN, LIU, TINGYING, ZHOU, LEI, ZENG, WEI, CHENG, KE, YIN, YINGSUI
33: CN 31: 202011093594.7 32: 2020-10-14
54: METHOD FOR PREPARING L-GLUFOSINATE
00: -
Provided are a method for preparing L-glufosinate and the intermediate compounds of formula (V) and formula (III).

21: 2024/03650. 22: 2024/05/13. 43: 2025/05/06
51: B01J
71: Henan University of Urban Construction
72: ZHANG, Yanbing, MAO, Yanli, SONG, Chengjian, REN, Yanli, ZHANG, Huiyan, LI, Peijie, BAN, Yingying, ZHANG, Wujiao, REN, Haibo, HUANG, Jinhe, XIA, Xuelian, LIANG, Banglei, LI, Pengfei, CHEN, Yingzan

54: CATALYTIC MATERIAL FOR DESULFURIZATION AND DENITRATION, AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention belongs to the technical field of denitration, and particularly relates to a catalytic material for desulfurization and denitration, and a preparation method and application thereof. The catalytic material for desulfurization and denitration includes a carrier and active components loaded on the carrier, where the carrier is a dust removal filter material and Al2O3, and the active components are MnO2, Fe2O3 and CuO. The catalytic material for desulfurization and denitration provided by the present invention has a large specific area and strong catalytic activity, and therefore has a good desulfurization and denitration effect. In a simulated flue gas experiment, the efficiency of desulfurization and denitration can reach over 90 percent, and denitration activity is relatively good especially in a low temperature stage.

21: 2024/04023. 22: 2024/05/23. 43: 2024/12/17
51: C22B
71: China University of Petroleum-Beijing
72: Guoyong HUANG, Fengshan YU, Jiawei WEN, Wenjie ZHANG, Mingshuai WU, Tongjun SHEN
33: CN 31: 202310597173.5 32: 2023-05-25

54: METHOD FOR RECOVERING PLATINUM FROM PLATINUM/ALUMINIA CATALYST, AND LEACH-ING SYSTEM FOR PLATNUM

00: -

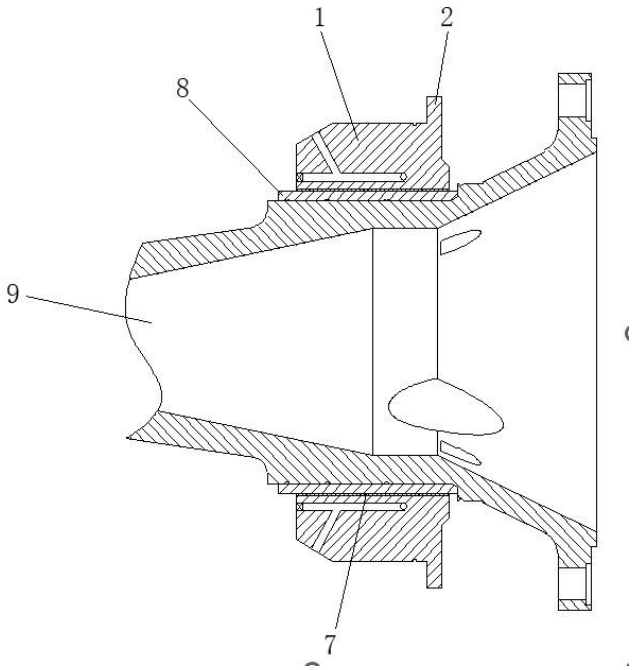
A method and a platinum leaching system for recovering platinum from platinum/alumina waste catalyst. The method for recovering platinum from platinum/alumina waste catalyst includes performing a first stage roasting of a Pt/γ-Al2O3 waste catalyst to remove organic matter and car-bon deposition; performing a second stage roasting of the treated waste catalyst to transform the γ-Al2O3 into α-Al2O3; leaching the treated waste catalyst using a leaching system which is a solu-tion composed of NaCl, NaHSO4, H2O2 and water, followed by filtering the leaching solution to obtain a first platinum-containing solution; subjecting the first platinum-containing solution to a reduction reaction under an ultrasonic condition to obtain a crude platinum; subjecting the crude platinum to a DC electrochemical dissolution to obtain a second platinum-containing solution; removing impurity from the second platinum-containing solution to obtain an ammonium chloro-platinate precipitation; reducing the ammonium chloroplatinate precipitation, to get a platinum sponge. The method has a short process cycle, low recovery cost and a high metal recovery rate.

21: 2024/04104. 22: 2024/05/27. 43: 2025/03/27
51: F16C
71: ZHEJIANG PENGCHENG TECHNOLOGY CO., LTD
72: HE, Yaoyao, WANG, Yongwei, PAN, Kangping
33: CN 31: CN202323302211.4 32: 2023-12-05

54: A KIND OF ONE-PIECE OIL FILM BEARING FOR SPITTING MACHINE

00: -

The invention discloses a kind of integrated oil film bearing for spitting machine belonging to the technical field of oil film bearing, including an oil film bearing body, a bearing seat is provided on the outside of the oil film bearing body, and the oil film bearing body and the bearing seat are of integrated structure, and the oil film bearing body is provided with a cooling oil groove on the inside of the oil film bearing body, and the oil film bearing body is provided with oil inlet holes and outlet holes that connect with the cooling oil groove, respectively. This invention of the oil film bearing body and housing for the integrated structure, installation is more convenient, to avoid the installation of precision errors caused by the installation, improve the stability of the installation, to prevent the operator installation technology is not enough or installation errors caused by the oil film bearing scrap; this invention of the oil film bearing body is equipped with cooling oil groove, through the cooling oil groove cooling oil injected into the oil film bearing body to cool down, so that the oil film bearing body temperature always maintained at 60℃ state. The temperature of the oil film bearing body is always maintained at 60℃ which improves the service life of the oil film bearing body.



21: 2024/04560. 22: 2024/06/12. 43: 2025/04/24
51: H04L; H04W
71: SHENZHEN TRANSSION HOLDINGS CO., LTD.
72: LI, Tian, HUANG, Chiunwei, SHEN, Xingya, XIE, Yili, HUANG, Wei
33: CN 31: 202310875608.8 32: 2023-07-18
54: PROCESSING METHOD, COMMUNICATION DEVICE AND STORAGE MEDIUM
00: -
Disclosed are a processing method, a communication device and a storage medium. In technical solutions of the present application, by determining at least one configured grant configuration based on radio resource control signaling and/or downlink control information, a method for determining more than one configured grant configuration is provided, to applicable to the transmissions of at least two configured grant physical uplink shared channels fully/partially overlapping in time domain, thereby improving the uplink throughput and/or reliability during transmission.

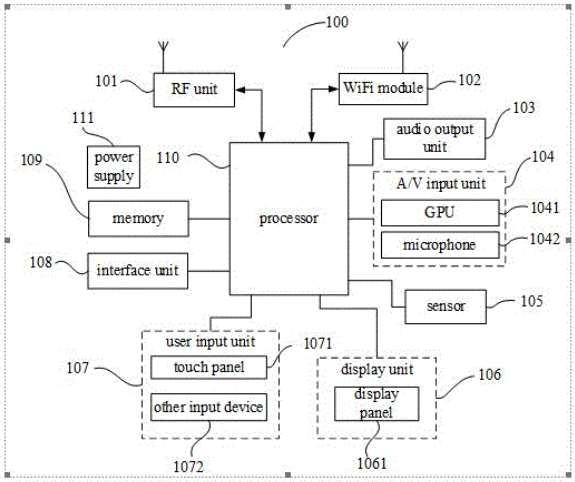
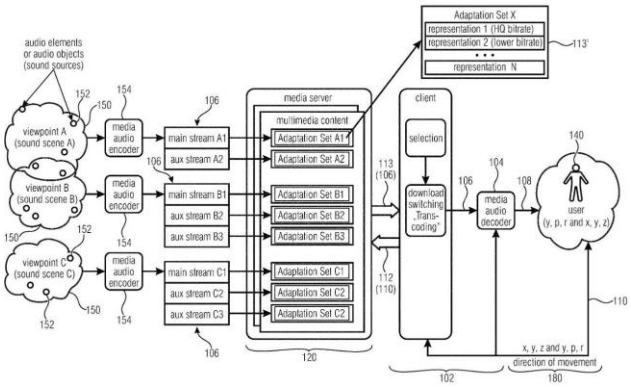


FIG. 1

21: 2024/05288. 22: 2024/07/08. 43: 2025/03/05
51: H04N
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: MURTAZA, Adrian, FUCHS, Harald, CZELHAN, Bernd, PLOGSTIES, Jan, AGNELLI, Matteo, HOFMANN, Ingo
33: EU 31: 17196259.0 32: 2017-10-12
54: OPTIMIZING AUDIO DELIVERY FOR VIRTUAL REALITY APPLICATIONS
00: -
There are disclosed techniques, systems, methods and instructions for a virtual reality, VR, augmented reality, AR, mixed reality, MR, or 360-degree video environment. In one example, the system (102) comprises at least one media video decoder configured to decode video signals from video streams for the representation of VR, AR, MR or 360-degree video environment scenes to a user. The system comprises at least one audio decoder (104) configured to decode audio signals (108) from at least one audio stream (106). The system (102) is configured to request (112) at least one audio stream (106) and/or one audio element of an audio stream and/or one adaptation set to a server (120) on the basis of at least the user's current viewport and/or head orientation and/or movement data and/or interaction metadata and/or virtual positional data (110).

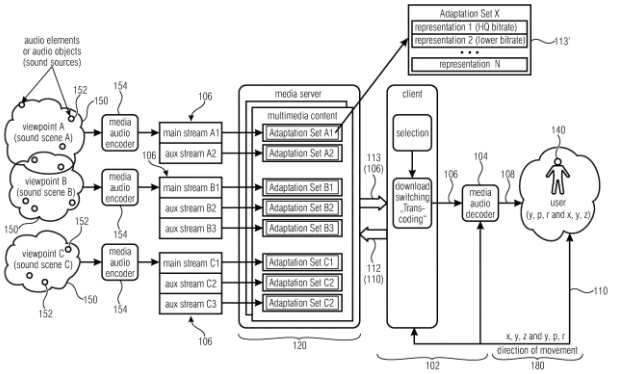


21: 2024/05290. 22: 2024/07/08. 43: 2025/03/05
51: H04N
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: MURTAZA, Adrian, FUCHS, Harald, CZELHAN, Bernd, PLOGSTIES, Jan, AGNELLI, Matteo, HOFMANN, Ingo
33: EP 31: 17196259.0 32: 2017-10-12

54: OPTIMIZING AUDIO DELIVERY FOR VIRTUAL REALITY APPLICATIONS

00: -

There are disclosed techniques, systems, methods and instructions for a virtual reality, VR, augmented reality, AR, mixed reality, MR, or 360-degree video environment. In one example, the system (102) comprises at least one media video decoder configured to decode video signals from video streams for the representation of VR, AR, MR or 360-degree video environment scenes to a user. The system comprises at least one audio decoder (104) configured to decode audio signals (108) from at least one audio stream (106). The system (102) is configured to request (112) at least one audio stream (106) and/or one audio element of an audio stream and/or one adaptation set to a server (120) on the basis of at least the user's current viewport and/or head orientation and/or movement data and/or interaction metadata and/or virtual positional data (110).

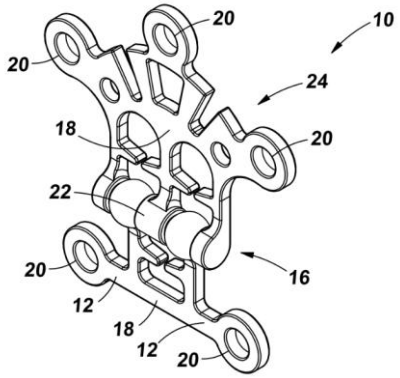


21: 2024/05481. 22: 2024/07/15. 43: 2025/01/21
51: A61B
71: ROACH, RICHARD WAYNE
72: ROACH, RICHARD WAYNE

54: FLEXIBLE HINGE PLATE FOR SKULL RECONSTRUCTION

00: -

The invention provides a cranial hinge plate designed for securing and aligning cranial bone fragments following traumatic injuries. The cranial hinge plate comprises two elongated members, each featuring multiple apertures for fastening to cranial bone. These members are interconnected by hinging means, which allow for relative movement to accommodate brain swelling during the recovery process while maintaining the natural contour of the skull. The hinging means may include pivot joints or flexible connectors composed of biocompatible materials, providing elasticity and resilience. A central body portion spans the gap between the elongated members, offering additional support and securement through extra fastening points. The plate is shaped to conform to the curvature of the skull and includes adjustable fasteners for precise alignment. This innovative design enhances cranial reconstruction outcomes by ensuring flexibility, secure attachment, and aesthetic preservation during healing, thereby improving both functional and cosmetic results for patients recovering from cranial trauma.



21: 2024/05587. 22: 2024/07/18. 43: 2025/03/11
51: A61P; C07K; G01N
71: Bayer Aktiengesellschaft
72: HEITMEIER, Stefan, GLUNZ, Julia, FISCHER, Melanie, SCHULENBURG, Cindy, JÖRISSEN, Hannah, THIEL, Christoph, WILMEN, Andreas, WEBER, Ernst
33: EP(DE) 31: 20196259.4 32: 2020-09-15
54: NOVEL ANTI-A2AP ANTIBODIES AND USES THEREOF
00: -
The present invention relates to an isolated antibody or antigen-binding fragment thereof that binds to human A2AP. The isolated antibody or antigen-binding fragment according to the present invention i) cross-reacts with rabbit and/or cynomolgus A2AP, ii) does not inhibit human plasmin activity, and iii) increases plasmin mediated clot lysis in the presence of A2AP.

21: 2024/05932. 22: 2024/07/31. 43: 2025/03/05
51: G21C
71: Westinghouse Electric Sweden AB
72: WALDEMARSSON, Fredrik
33: EP(SE) 31: 22159949.1 32: 2022-03-03
54: A FILTER FOR SEPARATING PARTICLES FROM A COOLING LIQUID IN A NUCLEAR POWER PLANT, A FILTER ARRANGEMENT AND A FUEL ASSEMBLY
00: -
A filter (1, 1', 1'', 1''') for separating particles from a cooling liquid in a nuclear power plant is described. The filter (1, 1', 1'', 1''') comprises a filter part (2) arranged in a filter frame (3, 3', 3'', 3''') configured to cooperate with a mounting part (5, 5', 5'', 5''') of a component (7) of the nuclear power plant for mounting of the filter (1, 1', 1'', 1''') in the component (7).The filter frame (3, 3', 3'', 3''') comprises at least one protruding part (9, 9', 9'') and/or at least one recess (11) extending along an extension direction (e, e') substantially perpendicular to a plane (p) extending along a surface portion (13) of an outer surface of the filter frame (3, 3', 3'', 3''').The at least one protruding part (9, 9', 9'') and/or at least one recess (11) are arranged along the entire circumference of the filter frame (3, 3', 3'', 3''') along an outer edge (15) of the filter frame (3, 3', 3'', 3'''). The at least one protruding part (9, 9', 9'') and/or at least one recess (11) are arranged to create an obstacle for the particles flowing between the filter frame (3, 3', 3'', 3''') and the mounting part (5, 5', 5'', 5'''). A filter arrangement and a fuel assembly are also described.

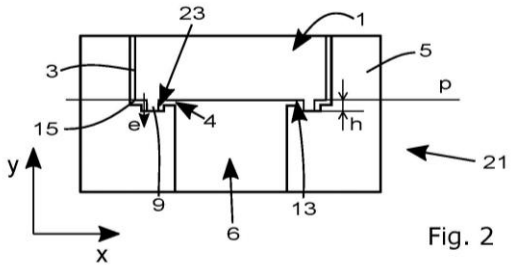
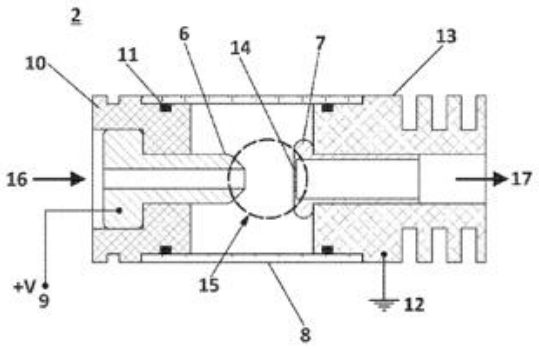


Fig. 2

21: 2024/05934. 22: 2024/07/31. 43: 2025/02/06
51: H05H
71: BIOENGINEERING FOR THE WORLD CORP S.L.
72: CORTÁZAR PÉREZ, Osvaldo Daniel, LLANA GARCÍA, Pedro Luís, LOREDO FERNÁNDEZ Alejandro, MEGÍA MACÍAS, Ana María
33: WO 31: PCT/ES2022/070055 32: 2022-02-08
54: COLD ATMOSPHERIC PLASMA GENERATOR AND RESPIRATORY EQUIPMENT FOR THE STIMULATION OF CELLULAR REGENERATION FOR LIVING BEINGS
00: -
Cold atmospheric plasma generator (2) configured to receive air as input substance and expel RONS, Reactive Oxygen and Nitrogen Species, suitable for being inhaled by living beings as output substance, and respiratory device (1) that integrates said cold atmospheric plasma generator (2).



21: 2024/06103. 22: 2024/08/08. 43: 2025/04/02
51: A61B; F16F
71: ORTHOFIX S.R.L., TEXAS SCOTTISH RITE HOSPITAL FOR CHILDREN
72: SAMCHUKOV, Mikhail L., STANDEFER, Karen, ROSS, John D., CHERKASHIN, Alexander M., VENTURINI, Daniele, OTTOBONI, Andrea, LUPATINI, Michael
33: US 31: 17/470,116 32: 2021-09-09
33: EP 31: 21195761.8 32: 2021-09-09
54: ORTHOPEDIC SPRING HINGE SYSTEMS AND METHODS
00: -
An orthopedic spring hinge and associated external fixation systems for the treatment of anatomical joint dysfunctions, and more particularly, to a spring hinge comprising a first base member, a second base member, a flexible first spring having a first longitudinal axis extending from the first base member to the second base member, and a flexible second spring spaced apart from the first spring and having a second longitudinal axis extending from the first base member to the second base member. The spring hinge is configured to have a maximum bending resistance in a first plane extending between the first spring and the second spring and a minimum bending resistance in a second plane orthogonal to the first plane.

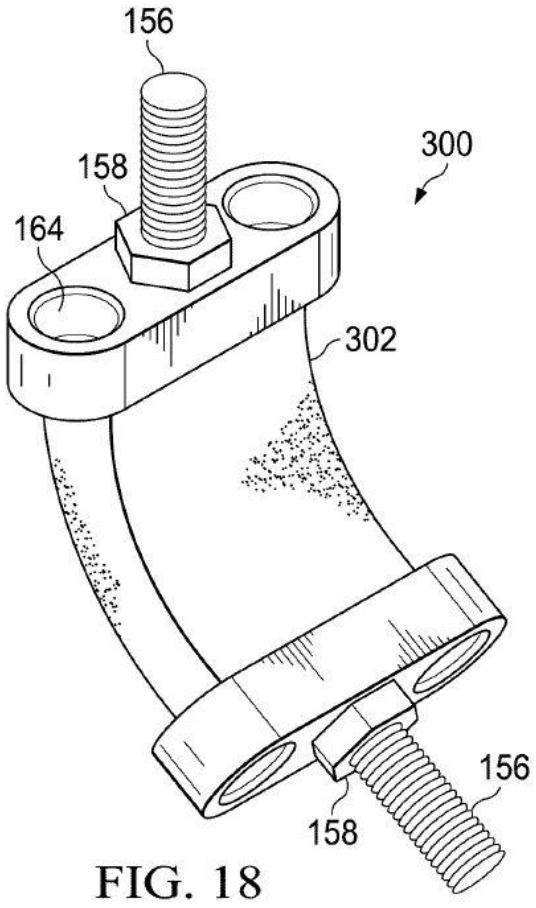
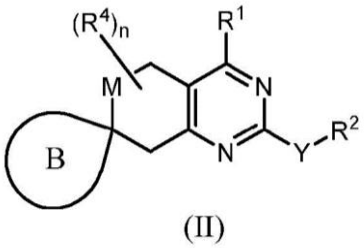


FIG. 18

21: 2024/06129. 22: 2024/08/08. 43: 2025/03/10
51: A61K; A61P; C07D
71: Quanta Therapeutics, Inc.
72: LIN, Hong, LUENGO, Juan, JOHNSON, Neil, HOSPITAL, Audrey
33: US 31: 63/308,424 32: 2022-02-09
54: KRAS MODULATORS AND USES THEREOF
00: -
Provided herein are KRAS modulating compounds selected from fused pyrimidines such as compounds of Formula (II) or pharmaceutically acceptable salts, solvates, stereoisomers, atom labelled, or tautomers of any of the foregoing, useful for modulating KRAS GD 12 and/or other G12 mutants.



(II)

21: 2024/06133. 22: 2024/08/08. 43: 2025/03/10
51: A61K; A61P
71: Changchun Sinobiomaterials Co., Ltd.
72: WANG, Jinyue, ZHENG, Qian
33: CN 31: 202210028046.9 32: 2022-01-11
54: USE OF LACTIC ACID IN PRODUCT FOR REGULATING AND PROMOTING TISSUE GROWTH
00: -
The present invention relates to regulation and promotion of body tissue growth, regeneration and healing by a lactic acid or a polylactic acid, and provides a novel tissue injury prevention and treatment mode, which can be used for tissue injury repair, and has a broad application prospect in the aspects of tissue or organ defect treatment and repair and the like.

21: 2024/06156. 22: 2024/08/12. 43: 2025/02/13
51: E04G
71: GROBLER, TJAART JOHANNES
72: GROBLER, TJAART JOHANNES
54: MODULAR BRACKETS FOR BRICKLAYING PROFILE INSTALLATION
00: -
A modular bracket assembly for the installation of bricklaying profiles is disclosed, comprising a first U-shaped bracket component and a second rectangular-shaped bracket component. These components can be fastened together in various orientations to form a housing for a bricklaying profile. The assembly includes fastening means, such as bolts and nuts, for securing the components together, as well as tensioning means for tensioning the bricklaying profile within the housing. The bracket components are made of durable materials suitable for construction environments and can be configured for flush center mounting, inner corner mounting, outer corner mounting, and edge mounting on walls. This versatility ensures stable and precise alignment of the bricklaying profile. A method for installing a bricklaying profile using the modular bracket assembly is also disclosed, involving configuring the bracket components in a desired orientation, securing them together, and tensioning the bricklaying profile within the housing.

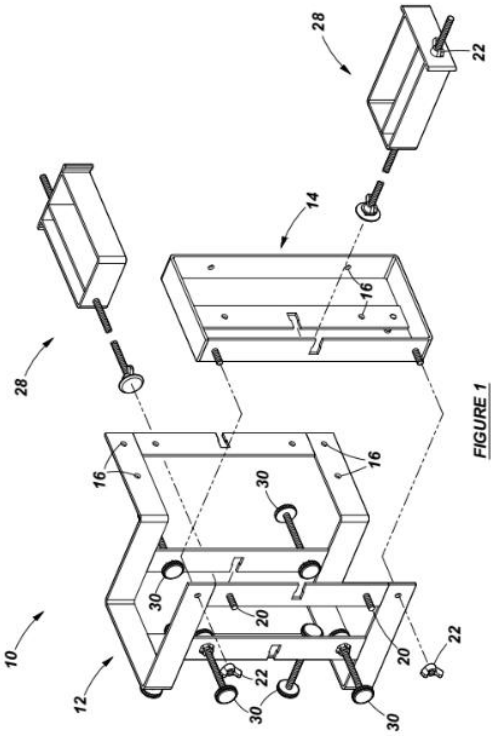
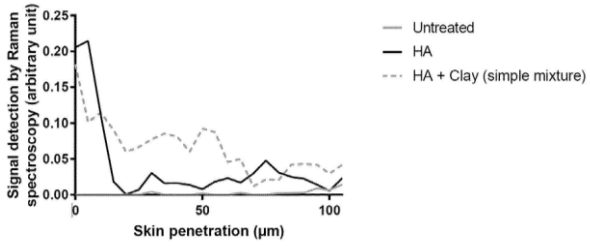


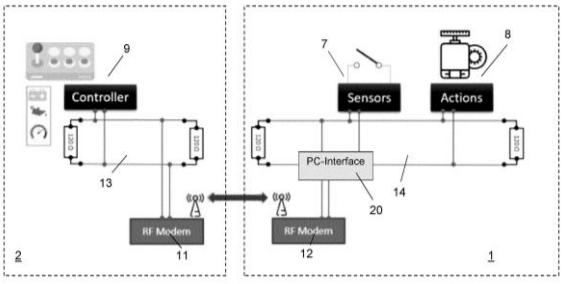
FIGURE 1

21: 2024/06171. 22: 2024/08/12. 43: 2025/03/10
51: A61K; A61Q
71: Givaudan SA
72: SCANDOLERA, Amandine, DE TOLLENAERE, Morgane, REYNAUD, Romain
33: GB 31: 2200421.2 32: 2022-01-13
54: COMPOSITION
00: -
A skin treatment preparation, comprising hyaluronic acid having a molecular weight of from 10-1000KDa, absorbed into an activated smectite clay, the hyaluronic acid – clay blend having a non-pore specific surface of from 3-10 M²/g and a particle size (VSSA) of from 250-500nm. The application of such a treatment to the skin permits a penetration into the skin significantly deeper that either hyaluronic acid alone or a simple hyaluronic acid – clay blend.

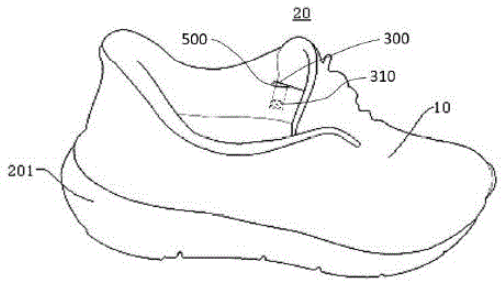


21: 2024/06239. 22: 2024/08/14. 43: 2025/03/11
51: F41G; H04L

71: John Cockerill Defense SA
72: PISANE, Jonathan, AUBRY, Yohann
33: EP(BE) 31: 22158756.1 32: 2022-02-25
54: SECURE REMOTE OPERATION OF A WEAPONS SYSTEM
00: -
A system for securing bidirectional communications, using a radiofrequency wireless network, between N weapons systems (1) able to be remotely operated, N=1, characterized in that: - the system comprises an additional client (20) equipped with a second transceiver system (12), able to be connected to each of the N weapons systems (1), permanently or removably, for use in remote operation mode; the first controller (9) with its first transceiver (11) then being able to receive data from and/or to send commands to the client (7, 8) via the radio network and the additional client (20) with its second transceiver (12) being able to send data from and/or to receive commands destined for the client (7, 8) via the radio network; - the first transceiver (11) and the second transceiver (12) are software-implemented, defining a software-defined radio or SDR operating mode, and are configured to exchange messages in such a way as to guarantee the required quality of service and in particular a predetermined latency time; - the system is configured, in the event of said predetermined latency time being exceeded, to enter degraded SDR mode and allow the two field data buses (13, 14) and their respective clients to be able to be operated seamlessly despite the interference on the radio link.

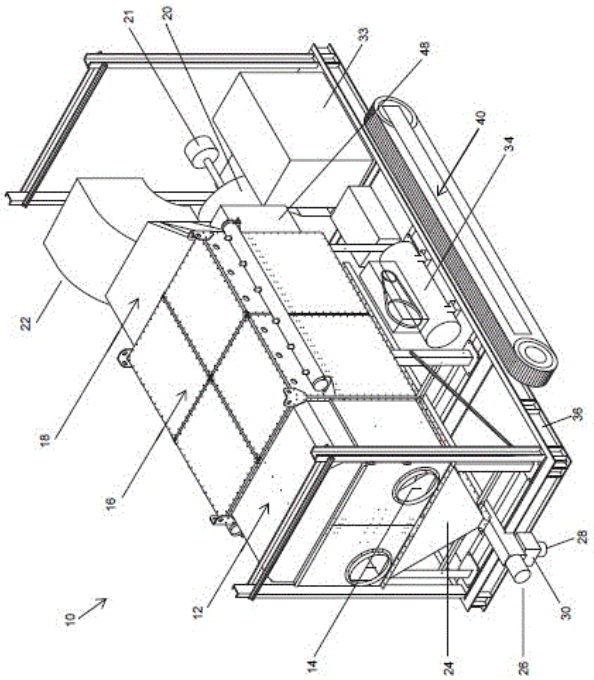


21: 2024/06265. 22: 2024/08/15. 43: 2025/03/10
51: A43B
71: Skechers U.S.A., Inc. II
72: GREENBERG, Chase, CHUANG, Frank, TJA, Johnson, XIE, Hui, CHENG, WanLing
33: CN 31: 202322813747.6 32: 2023-10-17
54: SHOE UPPER AND SHOE HAVING THE SAME
00: -
Embodiments of the present application provides a shoe upper and a shoe having the same, characterized in that the shoe upper comprises a shoe upper having a vamp toe portion and a vamp side portion that are connected to each other, wherein the inner surface of the vamp side portion is provided with a position limiting component; a tongue having a first portion and a second portion that are oppositely disposed, wherein the first portion of the tongue is affixed to the vamp toe portion; an elastic band configured to connect the second portion of the tongue with the vamp side portion, wherein at least part of the elastic band is located between the position limiting component and the inner surface of the vamp side portion, and the second portion of the tongue is in limiting mating with the position limiting component under the action of the elastic band. According to the technical scheme of the embodiments of the present application, the tongue can be prevented from dropping after the user takes off the shoe, so that a sufficient distance can be kept between the tongue and the insole. This avoids obstructing the insertion of the foot due to interference between the tongue and the foot when the user puts on the shoe. The insertion does not require any manual operation, thus effectively improving the efficiency of putting on the shoe by the user and improving the user's experience.



21: 2024/06304. 22: 2024/08/16. 43: 2025/03/10
51: B01D
71: Fanca Technologies Pty Ltd
72: FANNING, Andrew
54: MOBILE DUST EXTRACTION DEVICE
00: -

A mobile dust extraction device for filtering air, the mobile dust extraction device including a filter housing having at least one air filter, an inlet housing fluidly connected to the filter housing, a fan assembly including a fan, a fan inlet and a fan outlet, the fan assembly fluidly connecting the filter housing to the fan outlet, a support frame for supporting the filter housing, inlet housing and the fan assembly and a drive mechanism for propelling the mobile dust extraction device.

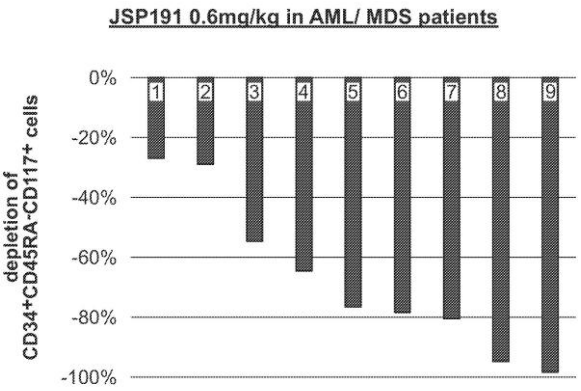


21: 2024/06357. 22: 2024/08/19. 43: 2025/03/10
51: A61K; A61P; C07K
71: Jasper Therapeutics, Inc.
72: PANG, Wendy, KWON, Hye-sook
33: US 31: 63/314,917 32: 2022-02-28

54: COMPOSITIONS AND METHODS FOR DEPLETION OF DISEASED HEMATOPOIETIC STEM CELLS

00: -

Provided herein are compositions and methods related to depletion of diseased hematopoietic stem cells (HSC) using an anti-c-kit antibody. The compositions and methods described herein may be used to treat a subject in need of diseased HSC depletion due to a variety of diseases or disorders, such as myelodysplastic syndrome and acute myeloid leukemia.



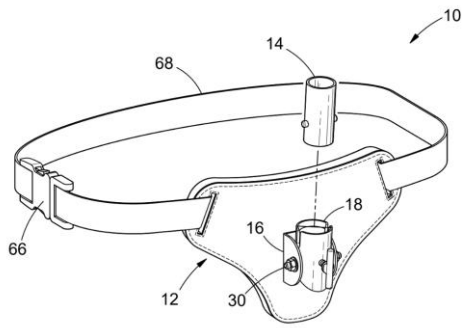
21: 2024/06376. 22: 2024/08/20. 43: 2025/02/25
51: A01K
71: GOUWS, MARK LUKE
72: GOUWS, MARK LUKE

54: SWIVELING FISHING ROD HOLDER ASSEMBLY

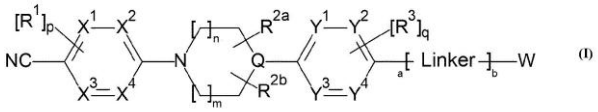
00: -

The present invention relates to a fishing rod holder assembly designed to enhance the stability and adjustability of fishing rods in various environments. The assembly comprises a housing with at least one aperture on each side, and a first elongated member pivotally attached to the housing. The first elongated member includes receiving formations for accommodating a fishing rod or a second elongated member and features a distal end cut at an angle to permit controlled upward swiveling while restricting downward movement to within a specified range, typically up to a horizontal alignment. A pivotal mechanism within the housing allows the first elongated member to rotate around a pivot axis, facilitating smooth and controlled adjustment of the fishing rod's position. The assembly further includes a tensioning mechanism integrated into the housing or first elongated member, comprising a locking screw or adjustable tightening element. This mechanism applies adjustable pressure on the second elongated member to prevent it from becoming easily dislodged while allowing for controlled adjustment or removal. The fishing rod holder assembly is attached to a fishing belt that provides a stable platform, featuring adjustable straps and padding for comfort. Constructed from corrosion-resistant materials, the assembly is suitable for use in marine environments and offers

improved control, stability, and ease of use for both recreational and commercial fishing activities.

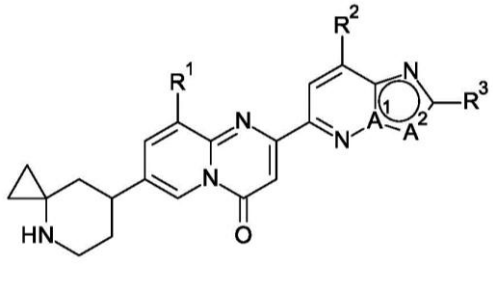


21: 2024/06390. 22: 2024/08/20. 43: 2025/03/10
51: A61K; A61P; C07D
71: AstraZeneca AB
72: PACKER, Martin John, DIENE, Coura Rosalie, FALLAN, Charlene, BAGAL, Sharanjeet Kaur, SCOTT, James, CASSAR, Doyle Joseph, NISSINK, Johannes Wilhelmus Maria, GINGIPALLI, Lakshmaiah, KAWATKAR, Sameer Pralhad, YE, Qing, ASTLES, Peter
33: US 31: 63/266,982 32: 2022-01-21
54: COMPOUNDS AND THEIR USE IN TREATING CANCER
00: -
Compounds of Formula (I) or a pharmaceutically acceptable salt thereof are PROTAC compounds useful in the treatment of prostate cancer.



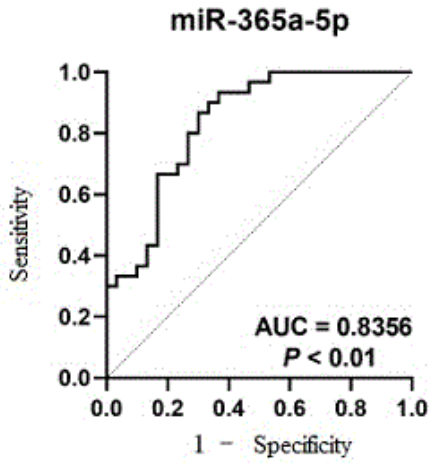
(I)

21: 2024/06459. 22: 2024/08/22. 43: 2025/03/10
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: BROM, Virginie, DOLENTE, Cosimo, GAUFRETEAU, Delphine, O'HARA, Fionn Susannah, PIRAS, Matilde, RATNI, Hasane, REUTLINGER, Michael, VIFIAN, Walter, ZAMBALDO, Claudio
33: EP(CH) 31: 22161258.3 32: 2022-03-10
54: PYRIDO[1,2-A]PYRIMIDIN-4-ONE DERIVATIVES
00: -
The invention relates to a compound of formula (I) wherein R^1-R^3 and A_1-A_2 are as defined in the description and in the claims. The compound of formula (I) can be used as a medicament.

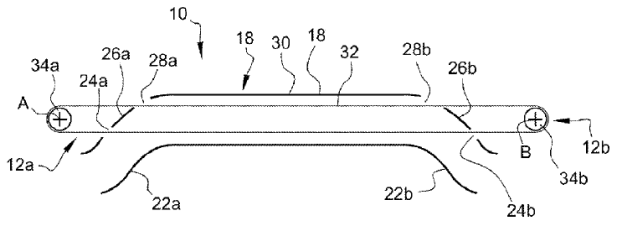


(I)

21: 2024/06477. 22: 2024/08/23. 43: 2025/03/04
51: C12Q; C12N
71: JIANGSU PROVINCE HOSPITAL THE FIRST AFFILIATED HOSPITAL WITH NANJING MEDICAL UNIVERSITY
72: LIU, YUAN, HU, JUN, YI, XIAOLAN, HUANG, YAHUI, DAI, YAN, HU, QINGYUAN
33: CN 31: 2023116999984 32: 2023-12-12
54: USE OF EXOSOME MIRNA-365A-5P AS MOLECULAR MARKER
00: -
The present invention detects the expression of microRNA in a plasma exosome sample of a clinical patient with infection in fracture fixation by utilizing high-throughput sequencing, screens candidate microRNA, enlarges the sample size, detects the expression of the candidate microRNA in plasma exosome by real-time quantitative PCR, and discovers that the exosome miRNA-365a-5p has better diagnostic value for the infection in fracture fixation. Based on the above, the present invention develops a kit for detecting exosome miRNA-365a-5p. The present invention proves that the miR-365a-5p of plasma exosome can be used as a molecular diagnosis marker of the infection in fracture fixation, and prepares the miR-365a-5p of plasma exosome into a kit for diagnosing the infection in fracture fixation, and can provide important references for the rapid diagnosis of the infection in fracture fixation by detecting the expression quantity of miR-365a-5p in plasma exosome of the subject.

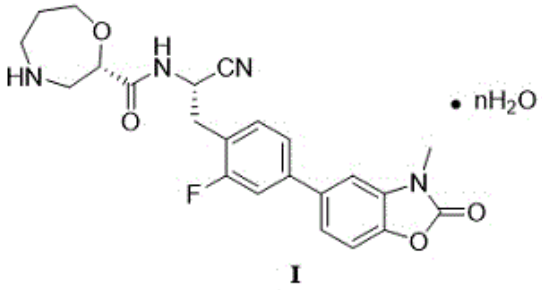


21: 2024/06493. 22: 2024/08/23. 43: 2025/03/04
51: D07B
71: POLYACHT
72: PARNAUDEAU, Benoît, MONNIER, Christophe
33: FR 31: FR2201445 32: 2022-02-18
54: METHOD FOR MANUFACTURING A STROP
00: -
The invention relates to a method for manufacturing a strop (10) which comprises first eye (12a), a second eye (12b) and an elongate central body (14) which extends from the first eye (12a) to the second eye (12b), the strop (10) comprising a core (16) surrounded by a tubular protective sheath (18) which successively has a first stub (22a), a first hole (24a), a first inter-hole portion (26a), a second hole (28a), a central section (30), a third hole (28b), a second inter-hole portion (26b), a fourth hole (24b) and a second stub (22b), characterised in that it comprises at least a first priming step which consists in passing a belt (32) into the sheath (18) so that the belt (32) forms a closed ring which emerges from the first hole (24a) and the second hole (28a) of the sheath (18) to form the first eye (12a) and which emerges from the third hole (28b) and the fourth hole (24b) of the sheath (18) to form the second eye (12b), a second connection step which consists in connecting a spool (36) of a wire (20) to the belt (32), and a third step of filling the sheath (18) which consists in rotating the belt (32) to unwind the spool (36) of wire (20) and form the core (16) of the strop (10).



21: 2024/06497. 22: 2024/08/23. 43: 2025/03/07
51: A61K; A61Q
71: Givaudan SA
72: AURIOL, Daniel, DE TOLLENAERE, Morgane, REYNAUD, Romain, SCANDOLERA, Amandine
33: GB 31: 2200880.9 32: 2022-01-24
54: COSMETIC COMPOSITION
00: -
Cosmetic active agents and methods that are useful to reduce the number and/or size of pores in human skin are provided.

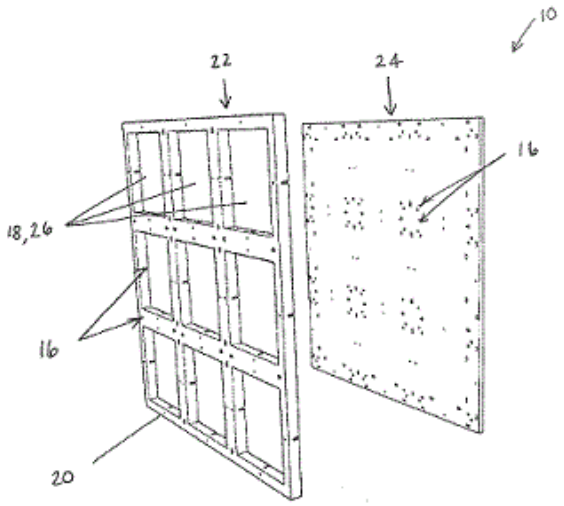
21: 2024/06504. 22: 2024/08/23. 43: 2025/03/07
51: C07D; A61K; A61P
71: HAISCO PHARMACEUTICALS PTE. LTD.
72: FAN, JIANG, DOU, YING, GONG, ZHENG, ZHU, FENGFEI
33: CN 31: 202210160848.5 32: 2022-02-22
54: DIPEPTIDYL PEPTIDASE 1 INHIBITOR POLYMORPH, PREPARATION METHOD AND USE THEREFOR
00: -
Disclosed in the present invention are a polymorph of a compound as shown in formula I, and a preparation method and use therefor. The polymorph of the present invention comprises a crystal form B, a crystal form C, and a crystal form D. The polymorph has excellent characteristics of high purity, good solubility, stable physical and chemical properties, high temperature resistance, high humidity, strong illumination, low hygroscopicity, etc.



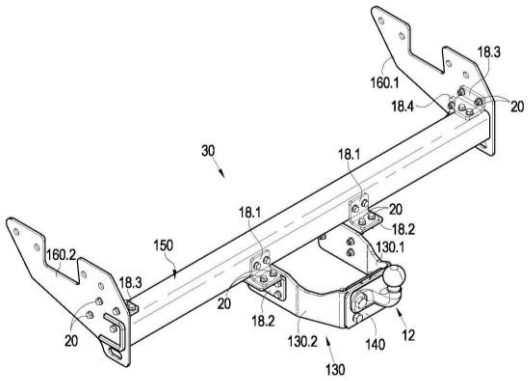
I

21: 2024/06585. 22: 2024/08/27. 43: 2025/03/04

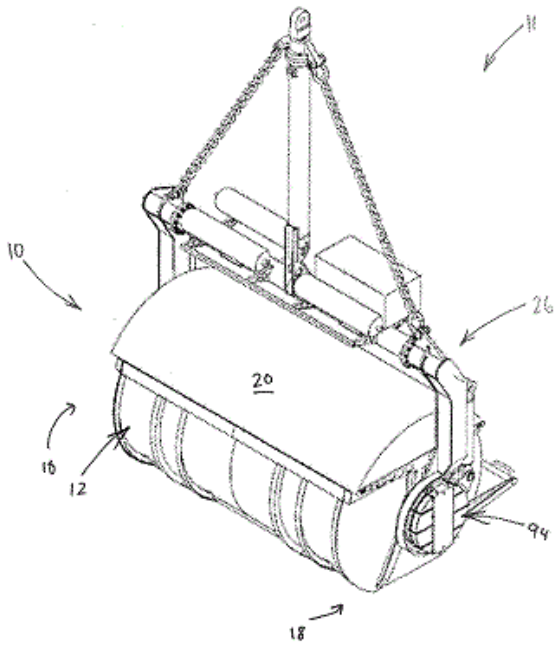
51: E04C
71: CHRISTIE, Warren, James, Alexander
72: CHRISTIE, Warren, James, Alexander
33: ZA 31: 2021/05818 32: 2022-02-16
33: ZA 31: 2022/02748 32: 2022-03-08
54: A BUILDING ELEMENT
00: -
A building element (10) including a panel (12) manufactured from a compression moulded board, a strengthening formation (14) formed in the panel for improving a structural strength thereof, and indicators (16) on the panel (12) for indicating various positions in which specific alterations are to be made to the panel (12) in order to create a specific construction component.



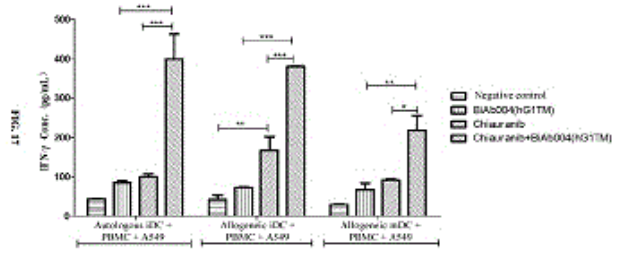
21: 2024/06615. 22: 2024/08/28. 43: 2025/03/04
51: B06D
71: BOSAL AFRICA (PTY) LTD
72: BURGER, Andre
33: ZA 31: 2023/07556 32: 2023-07-31
54: A tow bar assembly
00: -
This invention relates to a tow bar assembly 10, 30 which is configured to be mounted to a vehicle. The tow bar assembly 30 includes a tow ball 12 which is operatively secured to a ball mount 130, a laterally extending, elongate, non-planar tow bar 150, the tow ball 12 being secured to the tow bar 150 by way of the ball mount 130 and a pair of mounting arms operatively secured to opposing ends of the tow bar 150. The tow bar assembly 30 is characterised in that it is assembled using mechanical fasteners only and is absent of any form of welding. This means it can be stored and transported as a kit and is disassemblable by undoing the fasteners. The need for expensive welding equipment is therefore obviated. The invention also extends to a vehicle including such a tow bar assembly.



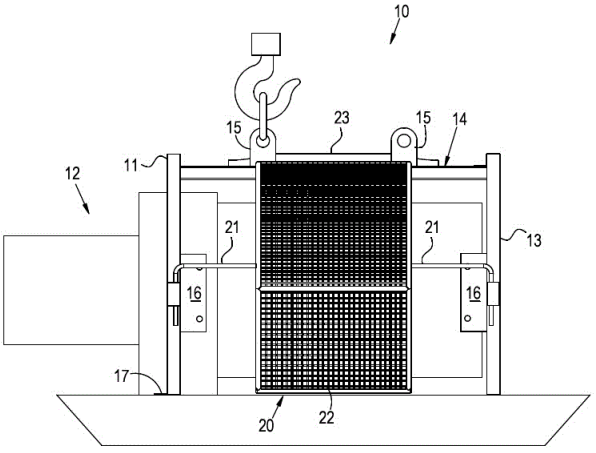
21: 2024/06616. 22: 2022/03/22. 43: 2025/03/12
51: B66C B65D B66F
71: VDM SUPPLY CHAIN SOLUTIONS (PTY) LTD
72: VAN ZYL, Pieter
33: ZA 31: 2021/01856 32: 2021-03-19
54: A CARRIER ASSEMBLY AND A PIVOTING APPARATUS OF A MATERIAL HANDLING SYSTEM
00: -
A carrier assembly (10) including a generally cylindrical container (12) for receiving material (30) to be carried therein, the container (12) having an opening (14) which extends along a length thereof, support members (16) extending from opposing end regions (18) of the container (12) for allowing the container (12) to be supported during handling thereof, a cover (20) for covering the opening (14) of the container (12), a cover mounting arrangement (22) for displaceably mounting the cover (20) on the support members (16) and allowing the cover (20) to be displaceable between open and closed conditions and engaging members (24) mounted on opposing free end regions of the support members (16) for engaging a pivoting apparatus (26) for pivoting the container (12) about a central longitudinal axis (28) of the container (12) in order to empty contents (30) thereof.



21: 2024/06651. 22: 2024/08/28. 43: 2025/03/07
51: A61K; C07K; A61P
71: AKESO PHARMACEUTICALS, INC., SHENZHEN CHIPSCREEN BIOSCIENCES CO., LTD.
72: XIA, YU, LU, XIANPING, LI, BAIYONG, NING, ZHIQIANG, WANG, ZHONGMIN, PAN, DESI
33: CN 31: 202210174665.9 32: 2022-02-24
54: PHARMACEUTICAL COMPOSITION COMPRISING ANTI-CTLA4-ANTI-PD-1 BISPECIFIC ANTIBODY AND CHIAURANIB
00: -
The present invention belongs to the fields of tumor treatment and molecular immunology, and relates to a pharmaceutical composition comprising an anti-CTLA4-anti-PD-1 bispecific antibody and chiauranib. Specifically, the pharmaceutical composition comprises chiauranib or a pharmaceutically acceptable salt thereof or a crystalline form thereof, and at least one anti-CTLA4-anti-PD-1 bispecific antibody. The present invention also relates to use of the pharmaceutical composition.

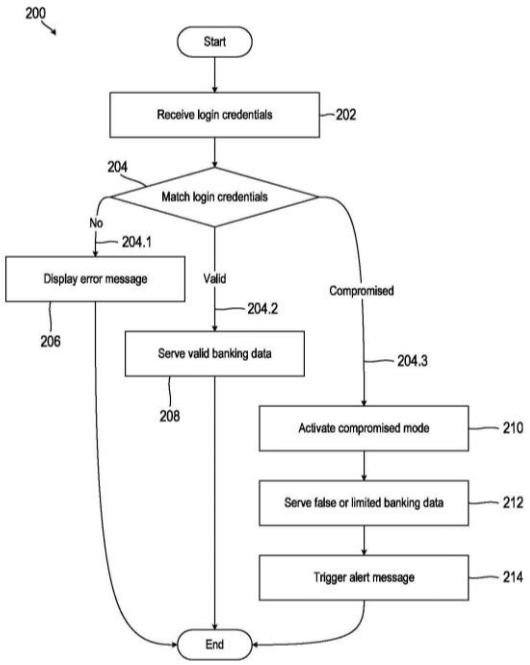


21: 2024/06672. 22: 2024/08/29. 43: 2025/03/05
51: B66D; B66F
71: BUYS, Frederick Anthonie
72: BUYS, Frederick Anthonie
54: Support assembly for a winch
00: -
This invention relates to a support assembly 10 for a winch 12 in the form of a lifting frame or winch protector which is operatively secured to the winch 12 to prevent damage being caused to the winch 12 during transportation and to facilitate easy and safe handling of the winch 12. To this end, the support assembly 10 includes a first U-shaped support member 11 and an opposing second U-shaped support member 13, both of which are attached to the winch by way of mounting brackets 16, 17, and a crossmember 14 operatively extending between the first and second support members. Two dedicated lifting points in the form of protruding lugs 15 are provided on the crossmember 14 and facilitate hoisting of the support assembly, and hence the winch 12. A wire mesh winch guard 20 which is removably secured to the support members, operatively shields drums of the winch.



21: 2024/06678. 22: 2024/08/29. 43: 2025/03/05
51: G06Q

71: KEENSA (Pty) Ltd
72: VURAYAI, Ian Michael
54: A Banking Method and System with a Security Enhancement
00: -
A banking method has a security enhancement and includes receiving, via a user interface on a device, login credentials of a user and comparing, by an authentication module, the received login credentials with (1) valid credentials and (2) compromised credentials which are different from the valid credentials. If the received credentials match the valid credentials, a banking module serves valid banking data of the user from a banking database via a communications module to the device of the user. However, if the received credentials match the compromised credentials, the authentication module activates a compromised mode and limited or false banking data is served via the user interface to the device of the user.



21: 2024/06729. 22: 2024/08/30. 43: 2025/03/06
51: A01N; A23L; A23P; A61K; B01J; C09B; C11D
71: Givaudan SA
72: EL-HABNOUNI, Sarah, NG YI QIN, Mandy, ONG, Lek Keat
33: GB 31: 2201197.7 32: 2022-01-31
54: IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS
00: -
The present invention provides an encapsulated composition comprising at least one core-shell microcapsule, wherein the at least one core-shell microcapsule comprises a core comprising at least one benefit agent and a shell surrounding the core, wherein the shell comprises a network of cross-linked resin, wherein the resin comprises a terpolymer and a polymeric stabilizer, wherein the terpolymer comprises (a) moieties derived from at least one polyamine, (b) moieties derived from a milk protein or a milk protein derivative, (c) moieties derived from the group consisting of alkylene and alkylenoxy moieties having 1 to 6 methylene units, preferably 1 to 4 methylene units and most preferably 1 methylene unit. The invention also relates to a method for preparing such encapsulated compositions and to their use to enhance the performance of a benefit agent in a consumer product.

21: 2024/06730. 22: 2024/08/30. 43: 2025/03/19
51: B66C
71: Matt's Arm, LLC
72: MAYFIELD, James S.
33: US 31: 17/589,331 32: 2022-01-31
54: TOWER HOIST, PLATFORM AND DAVIT SYSTEM
00: -
Hoists, platforms and davits are described as well as methods of securing same to telecommunication and other towers. The hoists, platforms and davits may be secured to the towers on a temporary basis using clamps. The clamps may include brackets and cables. The cables may be attached to the brackets, may wrap around the outer surface/perimeter of the tower pole/leg and may use tension to keep the bracket in place.

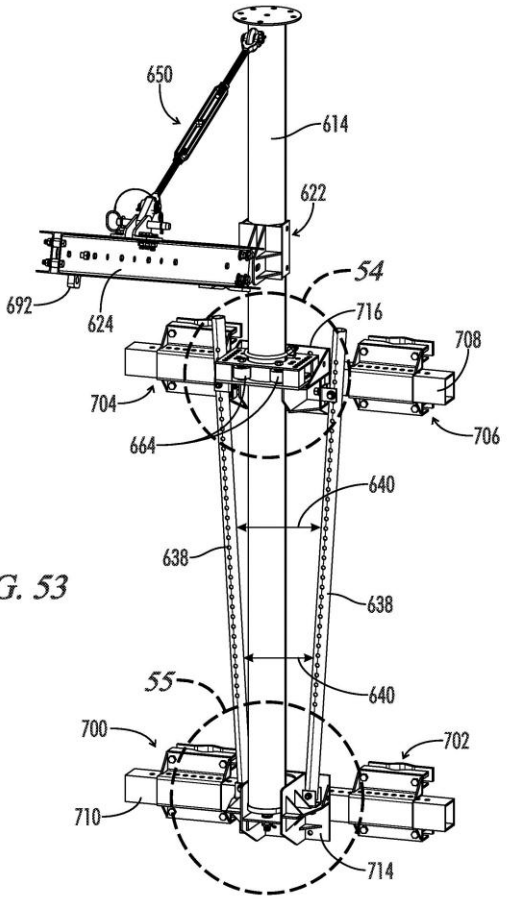
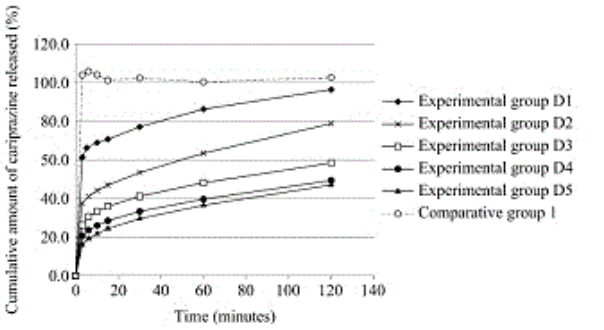
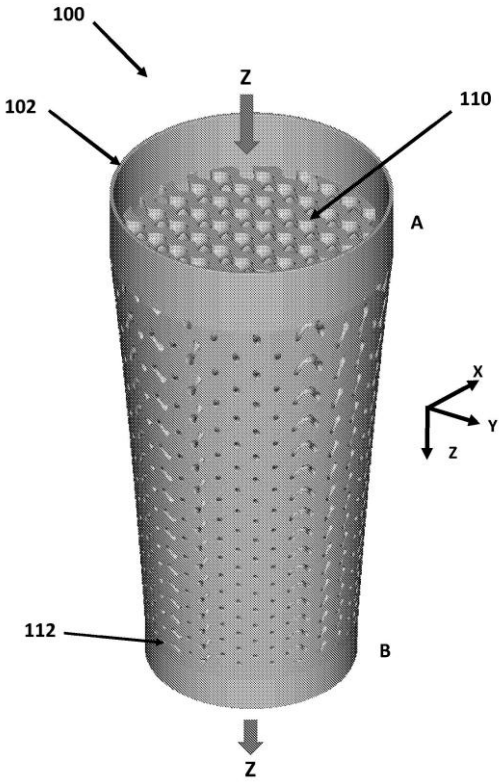


FIG. 53

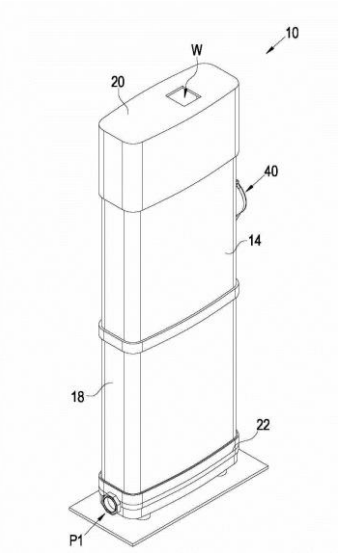
21: 2024/06760. 22: 2024/09/02. 43: 2025/03/10
51: A61K; A61P
71: ANXO PHARMACEUTICAL CO., LTD.
72: LIU, I-HSIANG, CHANG, KUEI-HUA, JHAN, HUA-JING, CHEN, TSE-HSIEN, SU, CHIA-YU, JIAN, CHI-HENG, HSU, CHUN-WEI
33: US 31: 63/320,696 32: 2022-03-17
54: INJECTABLE DEPOT FORMULATION COMPRISING CARIPRAZINE FREE BASE PARTICLES
00: -
Disclosed herein is an injectable depot formulation and use thereof for treating a mental disorder. The injectable depot formulation comprises cariprazine free base particles and a pharmaceutically acceptable carrier. The cariprazine free base particles have a median particle size by volume (Dv50) ranging from 0.5 μm to 100 μm.



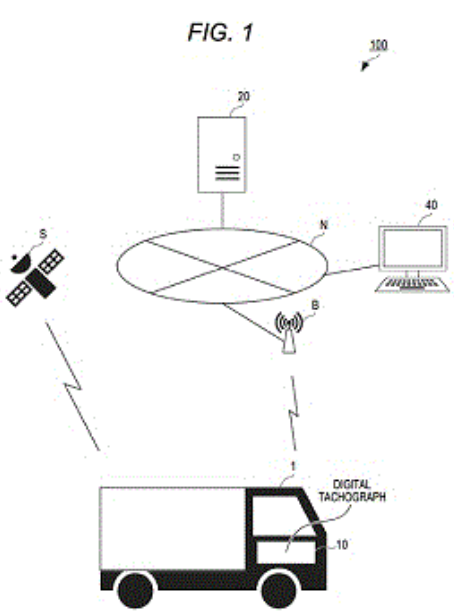
21: 2024/06790. 22: 2024/09/03. 43: 2025/03/24
51: B01D; B29C; B33Y
71: Evove Ltd
72: JOSHI, Omkar Shrikant, PHILLIPS, Tristan
33: GB 31: 2203080.3 32: 2022-03-04
54: MEMBRANE WITH A REDUCTION IN A DIMENSIONAL PROPERTY
00: -
There is described a membrane comprising a feed flow inlet, a retentate flow outlet and a permeate flow outlet. The membrane further comprises a membrane interface portion comprising a plurality of feed flow channels fluidly connected to the feed flow inlet and to the retentate flow outlet, and a plurality of permeate flow channels fluidly connected to the permeate flow outlet, wherein the membrane interface portion is operable to allow for fluid communication between the feed flow channels and the permeate flow channels through a membrane portion. The membrane interface portion comprises a reduction in a dimensional property from toward the feed flow inlet to toward the retentate flow outlet so that the membrane interface portion is operable to produce a higher cross-flow velocity at the membrane portion toward the retentate flow outlet. Also provided is a water treatment module comprising the membrane and a process for making the membrane.



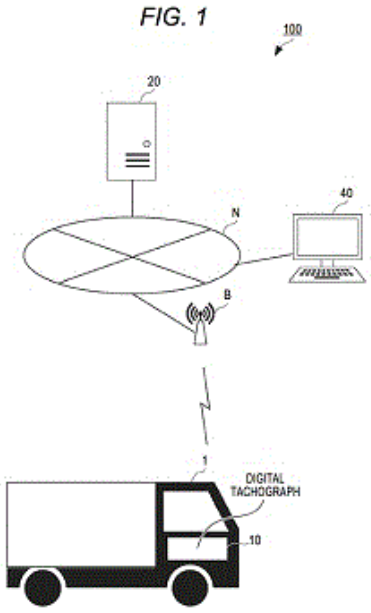
21: 2024/06809. 22: 2024/09/04. 43: 2025/03/24
51: G01D; G01F
71: GOVENDER, Preevin
72: GOVENDER, Preevin
33: ZA 31: 2023/08480 32: 2023-09-04
54: ANTI-TAMPER WATER METER ENCLOSURE AND METHOD OF INSTALLING SAME
00: -
This invention relates to water meter enclosures, a method of installing a water meter enclosure, and an anti-tamper arrangement for a water meter enclosure. The enclosure comprises a body housing a water meter assembly, the water meter assembly comprises at least one valve actuable by a suitable actuator, wherein the actuator, or part thereof, is external to the body; and an anti-tamper arrangement attachable to the body. The anti-tamper arrangement comprises a base portion attachable to the body via attachment formation/s, a lid attachable to the base portion, and locking assembly/ies to lock or facilitate locking of the lid to the base. The base portion comprises at least one wall defining an actuator zone, wherein the actuator, or part thereof, of the water meter assembly is locatable in the actuator zone, in use.



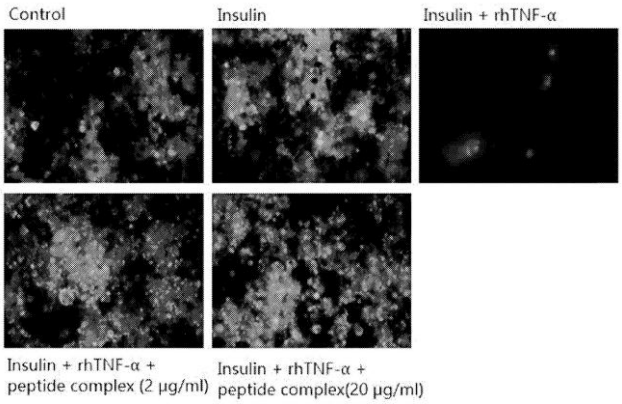
21: 2024/06840. 22: 2024/09/05. 43: 2025/03/12
51: B60R; B62D; G06F
71: YAZAKI CORPORATION
72: KOGO, KOSUKE
33: JP 31: 2023-166158 32: 2023-09-27
54: INFORMATION PRESENTATION DEVICE, INFORMATION PRESENTATION SYSTEM, INFORMATION PRESENTATION METHOD, AND PROGRAM
00: -
A digital tachograph server 20, that is, an information presentation device, includes a time-series data acquisition unit 23 that acquires time-series data in which position information, speed information, and engine information of a vehicle 1 collected at each predetermined time are linked to time information, an idling determination unit 24 that determines whether or not the vehicle is in an idling state based on the speed information and the engine information for each time information, an idling time calculation unit 25 that calculates an idling time, which is a time during which the vehicle 1 continued to be in the idling state at a point where idling occurred, based on the position information and a result of the determination of the determination unit, and a presentation unit 26 that presents an image in which the point where the idling occurred is superimposed on a map in a manner according to a length of the idling time.



21: 2024/06841. 22: 2024/09/05. 43: 2025/03/25
51: B60W; B62D; G06F; G07C
71: YAZAKI CORPORATION
72: FUKUDA, TOMOHIRO
33: JP 31: 2023-166159 32: 2023-09-27
54: DRIVING EVALUATION DEVICE, DRIVING EVALUATION SYSTEM, DRIVING EVALUATION METHOD, AND PROGRAM
00: -
A driving evaluation device (the server 20) includes, an acquisition unit (the time-series data acquisition unit 23) configured to acquire time-series data including a speed value of a vehicle (the vehicle 1) at each time, a generation unit (the trend line generation unit 24) configured to generate a trend line indicating a tendency of the time-series data, a calculation unit (the index calculation unit 25) configured to integrate absolute values of differences between the speed values of the time-series data and speed values of the trend line at each time at a predetermined time interval and calculate a speed variation index by dividing an integrated value by a predetermined time, and a presentation unit (the evaluation presentation unit 26) configured to present the speed variation index as an evaluation value in driving of the vehicle by a driver.

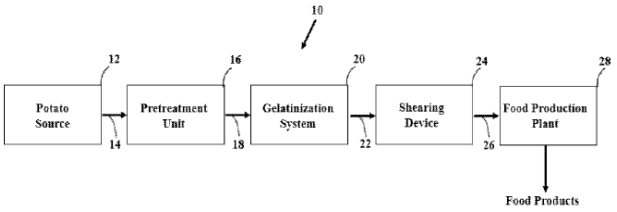


21: 2024/06892. 22: 2024/09/06. 43: 2025/03/13
51: A23L; A61K; A61P; C07K
71: Caregen Co., Ltd.
72: CHUNG, Yong Ji, KIM, Eun Mi, KIM, Seon Soo
33: KR 31: 10-2022-0036947 32: 2022-03-24
54: PEPTIDE HAVING ANTIDIABETIC ACTIVITY, PEPTIDE COMPLEX, AND USE THEREOF
00: -
The present invention relates to a peptide complex having an antidiabetic activity and to a use thereof. The peptide complex of the present invention promotes uptake of glucose into cells, suppresses insulin resistance signals, promotes insulin sensitivity signals, and suppresses the death of pancreatic beta cells, which are insulin-producing cells, thereby exhibiting an effect of lowering blood glucose levels. In addition, the present invention relates to a peptide having an antidiabetic activity and an antiobesity activity and to a use thereof. The peptide of the present invention has an activity of suppressing insulin resistance signals, promoting insulin sensitive signals, and promoting fat decomposition in adipocytes.



21: 2024/06911. 22: 2024/09/09. 43: 2025/03/13
51: G06Q
71: Gruvtec (Pty) Ltd
72: TSHETLO, Katlego Tsholofelo
33: ZA 31: 2023/06107 32: 2023-06-09
54: GLOBAL ORDER MANAGEMENT AND PROCESSING SYSTEM AND METHOD THEREOF
00: -
The invention relates to an order management and processing computer-implemented method. The method comprising the steps of: providing a digital platform for display on a user's device, the digital platform comprising a plurality of vendors, each vendor providing for sale at least one product, and each at least one product having a digital price tag; receiving, from a user's device, a selection of various products, which are desired to be ordered, from at least two of the vendors on the digital platform; storing the various selected products, which are desired to be ordered, in at least one cart; and receiving a single payment for the various products stored in the at least one cart. The invention extends to a method as well a computer-readable device that is arranged to the perform the method of the invention.

21: 2024/06920. 22: 2024/09/09. 43: 2025/03/13
51: A23C; A23L; A23P
71: MCCAIN FOODS LIMITED
72: HOLT, Celia Jane, DALE, Christopher Simon, KIRTLEY, Nigel, LAUDANO, Raymond J., SPORS, Derek E., SPIZZIRRI, Lora Nicolette
33: US 31: 63/311,567 32: 2022-02-18
54: FOOD PRODUCTS FROM ROOT VEGETABLES
00: -
A hard cheese analogue may be produced from a root vegetable-derived product. This liquid potato product may be formed from raw potatoes, which are subsequently treated and subjected to a high shear processing step, which allows for the formation of a liquid potato product exhibiting non-Newtonian rheological properties. Subsequently, this liquid potato product may be solidified over time to form the hard cheese analogue. Unlike certain other dairy-free cheese analogues, the present cheese analogue may be sliced, cut, shredded, and melted.



21: 2024/06946. 22: 2024/09/10. 43: 2025/03/20
51: B07B
71: Netzsch-Feinmahltechnik GmbH
72: SERGI, Alegre
33: DE 31: 10 2023 124 410.8 32: 2023-09-11
54: SEPARATOR WHEEL WITH HYBRID SEPARATOR WHEEL VANES FOR WEAR PROTECTION PURPOSES
00: -
A separator wheel with hybrid separator wheel vanes, which each consist of at least one vane base body, the radially outward area of which is provided at least on the side, which leads during operation as intended with at least one plating strip made of a wear protection material, which differs from the material of the vane carrier, ideally a carbide material or a ceramic material, which is characterized in that the at least one plating strip has at least one, preferably several positive-locking elements, which each engages or engage with a corresponding positive-locking element of the vane base body.

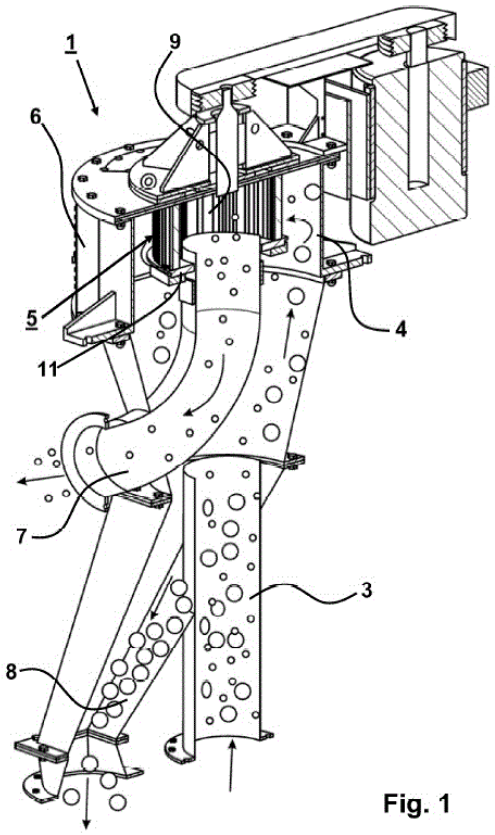
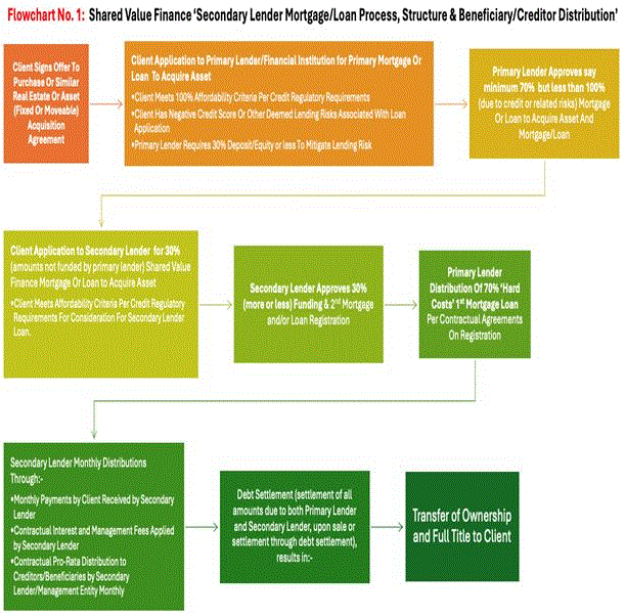


Fig. 1

21: 2024/06947. 22: 2024/09/10. 43: 2025/03/14
51: G06Q
71: SMITH, George
72: SMITH, George
33: ZA 31: 2023/08055 32: 2023-08-21

54: EQUITABLE ECONOMIC TRANSFORMATION: A SYSTEM AND METHOD TO CATALYSE AN ECONOMY THROUGH SHARED VALUE FINANCE AND SHARED VALUE CREATION

00: -
The invention provides a financing model and method for operating an underlying economic model, which includes the purchasing of an asset by a client; a purchasing transaction service provider (PTSP) to the client; a primary loan by primary lender to the client with the asset as primary security; secondary loan by a shared value financial services provider (SVFSP) to the client with the asset as secondary security; and a shared value financing and value creation means wherein the SVFSP pays a portion of the fees to the PTSP on the date of transfer of the asset and the remainder as deferred profits over an agreed time period to the PTSP.



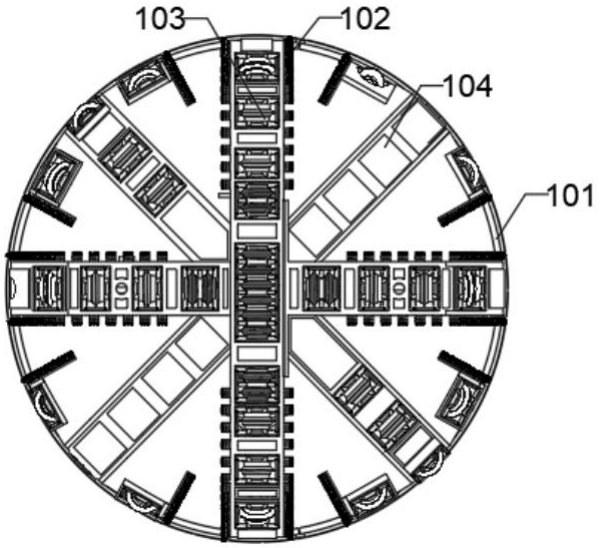
Flowchart 1

21: 2024/06948. 22: 2024/09/10. 43: 2025/05/02
51: E21D
71: CHINA RAILWAY 14TH BUREAU GROUP EQUIPMENT CO., LTD
72: LI, Dongsheng, YANG, Lunlei, LI, Xiangqing, MAO, Mingli, TANG, Yajun, ZHANG, Yinghan, LI, Xiaokang, WANG, Zhichao, YANG, Yong, JI, Weihua, SUN, Quansheng, LU, Wenlin, LI, Jiaying, TAO, Kanghong
33: CN 31: 2023109773983 32: 2023-08-03

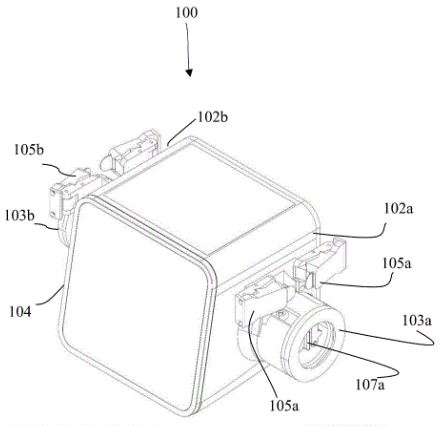
54: SHIELD CUTTERHEAD FOR SHIELD TUNNELING MACHINE AND SHIELD CONSTRUCTION METHOD

00: -
The present disclosure relates to the field of shield equipment, and in particular, to a shield cutterhead for a shield tunneling machine and a shield construction method. During working, a force sensor detects a pressure borne by a hob, so that a hardness degree of currently processed rocks is determined through a pressure signal; and after the pressure signal reaches or exceeds a preset value, a controller starts to control a microwave rock breaking system to heat the currently processed rocks. The specific method is that whether the microwave rock breaking system needs to start is quantitatively determined based on the pressure signal and a reference signal, which makes control more convenient and saves energy. Furthermore, physical properties of the rocks are changed, causing cracks inside the rocks to reduce strength of

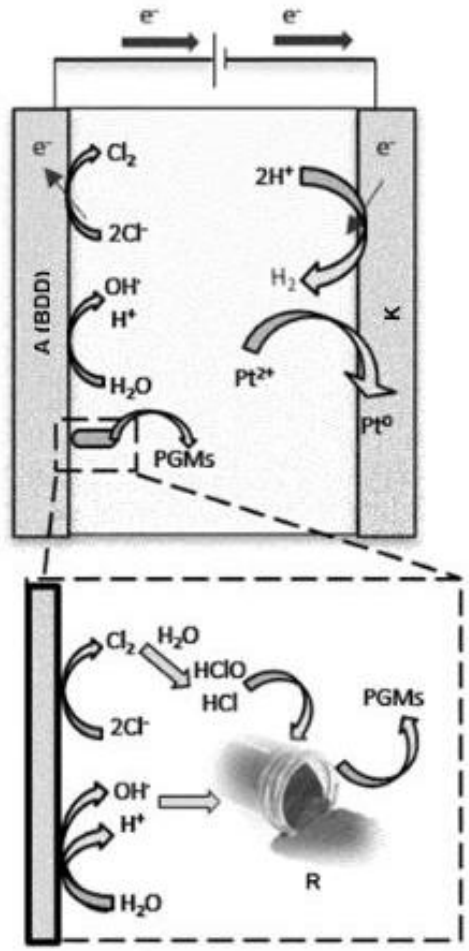
the rocks, thereby reducing wear of a cutter for the shield tunneling machine. Construction efficiency is improved, and a construction period is shortened by prolonging a service life of the cutter and shortening downtime for overhaul and cutter replacement. Therefore, the problems in existing shield construction of severe shield cutter wear and a long downtime for cutter replacement are solved.



21: 2024/07020. 22: 2024/09/12. 43: 2025/03/17
51: A61M
71: Resolve Biotech Private Limited
72: RAM KHANNA, Harsh Doshi
33: IN 31: 202321062277 32: 2023-09-15
54: A DUAL PERISTALTIC PUMP
00: -
The present subject matter discloses a dual peristaltic pump for fluid handling. The dual peristaltic pump comprises an interface (104), an lid open sensor, one or more drive motors (107a and 107b), and a plurality of pumps (103a and 103b). Each pump, of the plurality of pumps (103a and 103b), has a capability for synchronized or independent operation. Further, the interface (104) may be used to change configurations and settings of the plurality of pumps (103a and 103b). Subsequently, the lid open sensor ensures the operation of the drive motor when a pump head lid is detected closed. The dual peristaltic pump further has different operational modes, which allows the plurality of pumps to sync together or to act independently on simultaneous tasks.

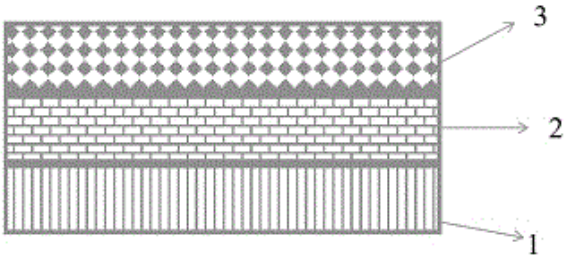


21: 2024/07030. 22: 2024/09/12. 43: 2025/03/17
51: C22B; C25C
71: FUNDACION TECNALIA RESEARCH & INNOVATION
72: SIRIWARDANA, Amal Inoka, UNZURRUNZAGA ITURBE, Ainhoa, DEL RÍO GAZTELURRUTIA, Carmen, HIDALGO BETANZOS, Joaquin, POZO ZAMORA, Guillermo Alonso, ANDRÉS GARCÍA, Elisabet, BELAUSTEGUI ITUARTE, Yolanda, MARTIN UGARTE, Eider
33: EP 31: 22382212.3 32: 2022-03-08
54: AN ELECTROCHEMICAL PROCESS FOR RECOVERING PLATINUM GROUP METALS (PGMS) FROM SOLID RESIDUES
00: -
It is provided an electrochemical process for recovering platinum group metals (PGMs) from a PGM-containing solid residue, the process comprising the steps of: a) subjecting the solid residue to electroleaching in order to leach the PGMs from the solid residue and, concomitantly, electrodepositing the leached PGMs onto the cathode; wherein electroleaching and electrodepositing are carried out in an electrolyte comprising a deep eutectic solvent (DES) and an aqueous solution comprising chloride ions and having a pH<7; and b) recovering the electrodeposited PGMs; wherein the DES consists of a mixture of a hydrogen bond acceptor (HBA) compound (A) which is choline chloride; and a hydrogen bond donor (HBD) compound (B) selected from the group consisting of (C1-C12)alcohol, (C1-C12)aldehyde, (C1-C18)carboxylic acid, (C1-C6)urea, (C1-C12)amide, (C1-C12)nitrogenated compound, (C1-C12)aminoacid, and (C1-C12)sugar; in a molar ratio of (A) to (B) from 1:10 to 10:1.



21: 2024/07040. 22: 2024/09/12. 43: 2025/03/17
51: C12N
71: GUANGZHOU REFORGENE MEDICINE CO., LTD., ZHEJIANG SYNSORBIO TECHNOLOGY CO., LTD
72: LIANG, JUNBIN, LIANG, XINGXIANG, SUN, YANG, XU, HUI, SI, KAIWEI, LI, QIUTING, PENG, ZHIQIN, HUANGFU, DESHENG
33: CN 31: 202310457880.4 32: 2023-04-24
33: CN 31: 202211035342.8 32: 2022-08-26
54: CRISPR-CAS13 SYSTEM AND USE THEREOF
00: -
The present invention relates to a CRISPR-Cas13 system and use thereof, and also relates to a Cas13 protein, a fusion protein, and a guide polynucleotide. The Cas13 protein has at least 90% sequence identity compared to SEQ ID NO: 1. The fusion protein comprises the Cas13 protein fused to a protein domain and/or a polypeptide tag. The guide polynucleotide comprises a same-direction repetition sequence and a guide sequence that has been engineered to hybridize with the target RNA. The same-direction repetition sequence has at least 70% sequence identity to any of SEQ ID NOs: 3 and 80-87. The CRISPR-Cas13 system comprises the Cas13 protein that has at least 90% sequence identity to SEQ ID NO: 1, or a coding nucleic acid therefor, and the guide polynucleotide or a coding nucleic acid therefor.

21: 2024/07099. 22: 2024/09/16. 43: 2025/03/18
51: D21H
71: HANGZHOU HYDROTECH CO., LTD.
72: ZHANG, DATONG, WANG, FENPING, SUN, DEWEN, ZHANG, XINGKAI, KE, JINLIANG, LV, HANG
54: NON-PLASTIC PAPER-BASED HEAT TRANSFER FILM WITH SLOW WATER-ABSORBING LAYER AND PREPARATION METHOD THEREOF
00: -
The present application discloses a non-plastic paper-based heat transfer film with a slow water-absorbing layer and a preparation method thereof. The non-plastic paper-based heat transfer film includes an ink-bearing layer, the slow water-absorbing layer, and a paper substrate, which are sequentially stacked from top to bottom; the slow water-absorbing layer is made by coating a coating solution for the slow water-absorbing layer on the paper substrate, and a preparation raw material of the coating solution for the slow water-absorbing layer includes polyvinyl alcohol, a filler, and a first thickener; wherein the first thickener is sodium carboxymethyl starch and/or sodium carboxymethyl cellulose. The non-plastic paper-based heat transfer film arranged with a slow water-absorbing layer between the ink-bearing layer and the paper substrate. The slow water-absorbing layer provides a certain capacity for water absorption, absorbing part of moisture from the ink layer, solving a problem of moisture and oil resurfacing of pattern after transfer, while further slowing a rate of water infiltration and preventing the ink from drying too quickly, which could result in insufficient powder uptake during powder shaking. Furthermore, the non-plastic paper-based heat transfer film is prepared using a non-plastic, non-laminating coating process, simplifying a production process, and solving environmental problems in application.



21: 2024/07147. 22: 2024/09/18. 43: 2025/03/20
51: F15B
71: MANITOU ITALIA S.R.L.
72: IOTTI, MARCO
33: IT 31: 102023000022317 32: 2023-10-25
54: MOVEMENT CONTROL DEVICE WITH DOUBLE BALANCING
00: -
A device for controlling the movement of a load includes a first conduit (10) connected to the first chamber (C1) of a hydraulic actuator (C), and a second conduit (20) connected to the second chamber (C2) of the hydraulic actuator (C). It features a first balancing valve (11) along the first conduit (10), which is normally closed but opens when pressure from the second conduit (20) is applied. Additionally, there is a second balancing valve (21) along the second conduit (20), which is also normally closed but opens when pressure from the first conduit (10) is applied. The device also includes a third balancing valve (13) along the first conduit (10), which is normally closed but opens when pressure from the second conduit (20) is applied. The device ensures controlled fluid flow to the hydraulic actuator, thus enabling precise movement of the connected load.

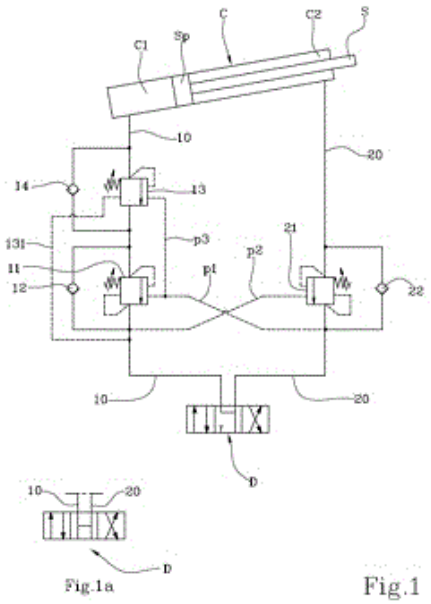
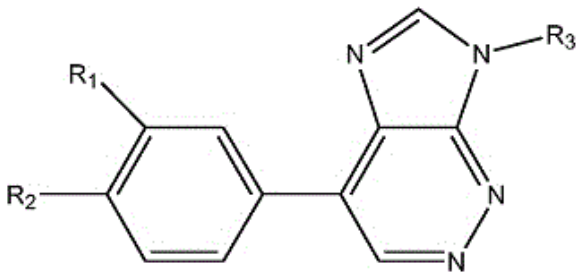


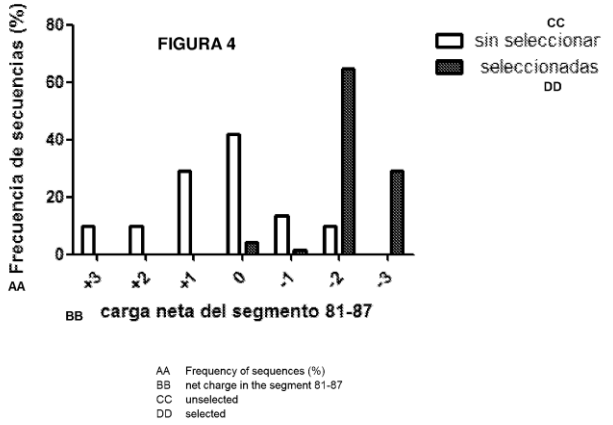
Fig.1a Fig.1

21: 2024/07156. 22: 2024/09/18. 43: 2025/03/19
51: C07D; A61K; A61P
71: SHANGHAI SIMR BIOTECHNOLOGY CO., LTD
72: WANG, FEI, CHEN, NANYANG, SUN, YONG
33: CN 31: 202210178772.9 32: 2022-02-25
54: IMIDAZOPYRIDAZINE DERIVATIVE, AND PREPARATION METHOD THEREFOR, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF
00: -
Provided are an imidazopyridazine derivative, and a preparation method therefor, a pharmaceutical composition thereof and the use thereof. Specifically provided are a compound as shown in formula (1), and a stereoisomer, tautomer, prodrug, pharmaceutically acceptable salt, amorphous substance, isotopologue, polymorph or solvate thereof, a pharmaceutical composition containing the compound and the use of the compound as a $GABA_A$ receptor modulator.



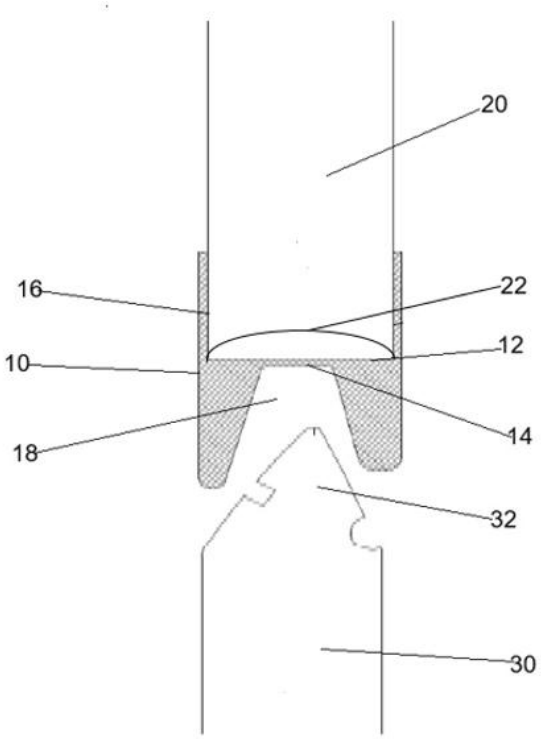
(1)

21: 2024/07182. 22: 2024/09/19. 43: 2025/03/20
51: C07K
71: CENTRO DE INMUNOLOGÍA MOLECULAR
72: ROJAS DORANTES, Gertrudis, RELOVA HERNÁNDEZ, Ernesto, CARMENATE PORTILLA, Tania, LEÓN MONZÓN, Kalet
33: CU 31: 2022-0020 32: 2022-03-18
54: HUMAN INTERLEUKIN-2-DERIVED MUTEINS WITH SUPERAGONIST ACTIVITY
00: -
The present invention relates to biotechnology and is based on the identification of sets of IL-2 mutations in the vicinity of the interface with the receptor beta chain, through the selection of variants from filamentous phage libraries by affinity to the extracellular domain of the beta chain. Recombinant proteins derived from these variants show a very favourable developability profile, in terms of high expression levels, low tendency to aggregate, and high thermal stability. In addition, compared to the original unmutated IL-2 and to other described superagonist muteins, they have a higher capacity to stimulate immune effector populations carrying the dimeric IL-2 receptor and a higher anti-tumour activity in vivo.

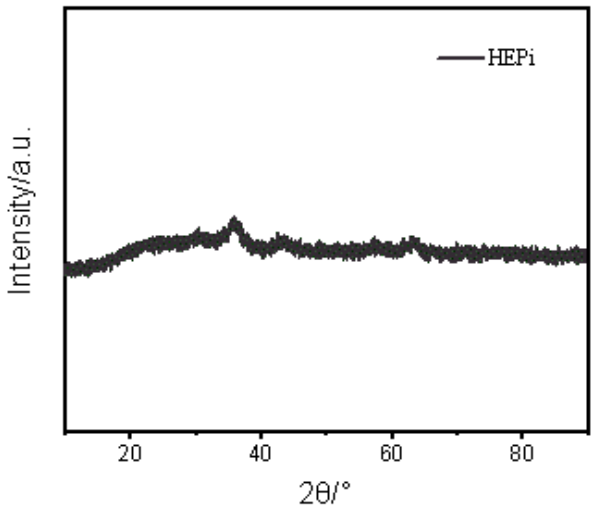


21: 2024/07183. 22: 2024/09/19. 43: 2025/03/20
51: A61K; A61P
71: HOSPITAL SANT JOAN DE DEU, TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LIMITED, GATE2BRAIN, S.L.
72: MONTERO CARCABOSO, Ángel, DARIO SOSNIK, Alejandro, RESA PARÉS, Clàudia, TEIXIDÓ TURÁ, Meritxell
33: EP 31: 22382287.5 32: 2022-03-28
54: PEPTIDIC WATER-SOLUBLE DELIVERY SYSTEM OF ANTICANCER DRUGS
00: -
Micelles of peptidic conjugates of SN-38 loaded with one or more free therapeutic active agents which anticancer activity, such as free SN-38 lactone, process for their preparation, pharmaceutical compositions comprising them, and their therapeutical indications as anticancer drugs.

21: 2024/07204. 22: 2024/09/20. 43: 2025/03/20
51: E06B
71: NIGEL HAMILTON MILLN
72: MILLN, Nigel Hamilton
54: A PROFILE ADAPTER FOR A SECTIONAL DOOR PANEL
00: -
The invention provides a profile adapter for use in a tongue-and-groove system of connecting sectional door panels to one another, in circumstances where the first and second sectional door panels are of different tongue-and-groove profiles. The profile adapter is configured to modify a grooved edge of the first sectional door panel to provide a groove that is compatible with a tongue extending from an edge of the second sectional door panel.

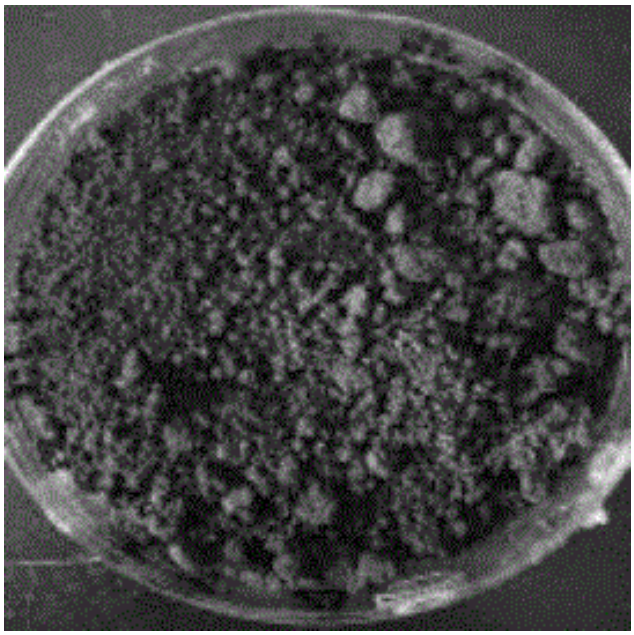


21: 2024/07243. 22: 2024/09/23. 43: 2025/03/26
51: H01M
71: Taiyuan University of Technology
72: Jingran WANG, Jinping WANG, Jing GAO
54: A HIGH-ENTROPY METAL PHOSPHATE AND PREPARATION METHOD THEREOF
00: -
The present invention discloses a high-entropy metal phosphate and preparation method thereof, which belongs to the technical field of inorganic functional materials, the preparation method for the high-entropy metal phosphate provided by the present invention includes the following steps: mixing a metal salt with water to prepare a mixed metal salt solution; adding phytic acid dropwise to the mixed metal salt solution to obtain a mixed solution; obtaining a high-entropy metal phosphate by spray pyrolysis reaction. The high-entropy metal phosphate prepared by the present invention has wider element selectivity and universality.



21: 2024/07277. 22: 2024/09/25. 43: 2025/05/08
51: F16K; G01D
71: AUMA RIESTER GMBH & CO. KG
72: Dr. Matthias TRITSCHLER, Benjamin INGENHOVEN
33: EP 31: 23217990.3 32: 2023-12-19
54: MECHANICAL POSITION INDICATOR AND ACTUATOR OF AUTOMATION TECHNOLOGY
00: -
Mechanical position indicator (100) for representing an actuation state of an actuator of automation technology, comprising: an indicating element (110) for representing said actuation state; wherein said actuation state is represented by a linear position (113) of said indicating element, wherein said linear position of said indicating element has a first limit (111) and a second limit (112), wherein said first limit is fix, wherein the mechanical position indicator comprises a slidable mask at least partially surrounding said indicating element in a cross section, wherein the mask is set up to indicate a position of said second limit.

21: 2024/07278. 22: 2024/09/25. 43: 2025/04/29
51: C05G
71: INNER MONGOLIA MINZU UNIVERSITY, Zhangwu Hongtai Agriculture and Animal Husbandry Technology Co., Ltd., Xudong WANG, Qingfu ZHENG
72: Qingfu ZHENG, Xudong WANG, Chen LI, Sileng HU, Xue HAN, Gang XU, Fenghui YAN, Liancong PENG
54: ENVIRONMENTALLY FRIENDLY BIOCHAR-BASED SAND SOIL AMENDMENT AND PREPARATION METHOD
00: -
The invention discloses an environmentally friendly biochar-based sand soil amendment and a preparation method thereof, which belongs to the technical field of compound fertilizers. The environmentally friendly biochar-based sand soil amendment provided by the invention comprises the following raw materials in weight portions: 30-60 portions of biochar, 5-10 portions of inorganic minerals, 2-10 portions of organic polymers, 1-10 portions of microbial agents, and 5-20 portions of organic matter. The environmentally friendly biochar-based sand soil amendment provided by the invention improves the water retention and structural stability of the soil promotes plant growth, and is suitable for soil improvement in arid and semi-arid areas.

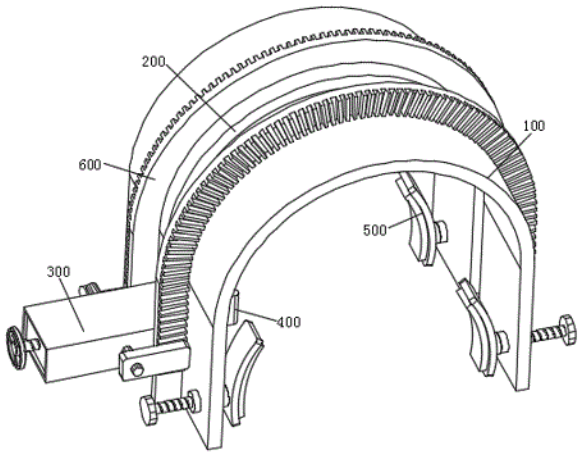


21: 2024/07279. 22: 2024/09/25. 43: 2025/04/01
51: A61B
71: Hunan Cancer Hospital
72: Wen LU, Qinqin CHENG, Jinhua LI, Zhengdi SHE, Ying LONG, Hua XIANG, Shanzhi GU, Na ZHANG
33: CN 31: 2024220517838 32: 2024-08-23

54: COMPRESSION DEVICE FOR INTERVENTIONAL THERAPY

00: -

The present invention discloses a compression device for interventional therapy, which relates to the technical field of pressing devices and comprises: a positioning framework; a guide through hole, which is arranged in the middle of the positioning frame; a sliding frame, which rotates along the guide through hole under the action of an external force; a hemostatic device, which is installed inside the sliding frame and passes through the sliding frame to press the patient's blood vessels; a clamping device, which has two groups and is respectively installed on both sides of the positioning frame; a positioning device, which is installed on the outside of the positioning frame and the sliding frame. The present invention clamps the patient's leg or hand by the setting of the clamping device, so that the pressing device can move synchronously according to the movement of the patient's leg or hand, maintain the pressing effect, and avoid the patient' s leg or hand and the pressing device being touched and displaced to affect the pressing effect.

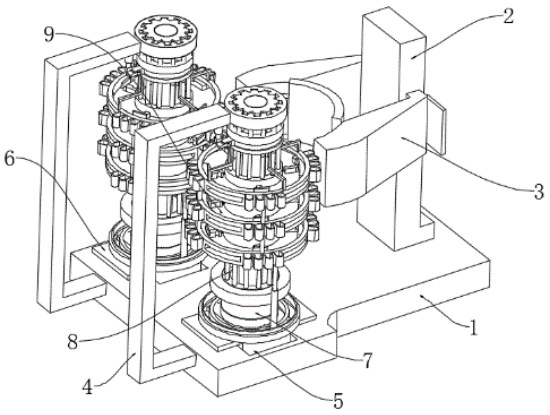


21: 2024/07280. 22: 2024/09/25. 43: 2025/04/29
51: A61H
71: ZHU Junchen
72: ZHU Junchen, XIONG Yingzong, MA Xingfu, NIE Yong, LI Yingchun, SU Yi, WANG Chao, ZHENG Zhiwen, LI Fuyou, WANG Huaize, HOU Qianwen

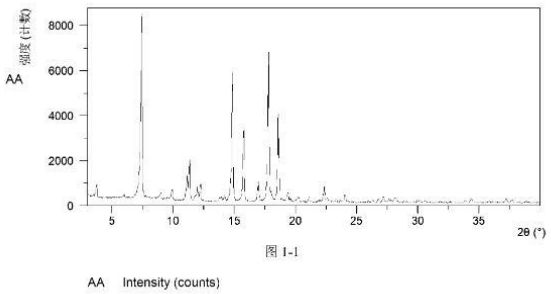
54: MASSAGE DEVICE FOR KNEE OSTEOARTHRITIS

00: -

The present invention provides a massage device for knee osteoarthritis, specifically relating to the field of medical equipment. It includes a support base, inside the support base, there are two sets of chutes, interiors of the chutes are slidably connected to sliding placement plates, interiors of the sliding placement plates are fixedly connected to a motor, the chutes can drive the upper massage component to adjust the spacing along the interiors of the sliding placement plates according to the size of the user's leg to meet different leg massages; when the auxiliary pushing blocks and the springs rotate along surfaces of the hollow sliding cavity blocks, and the hollow sliding cavity blocks rotate and press the human body surface through outer surfaces of the hollow circular blocks for promoting blood circulation; since there is no obstruction of annular stoppers between the auxiliary pushing blocks and the springs, they eject from the annular grooves to strike the acupoints of the human knee joint to complete Chinese-style massage. Thus, while massaging the human body surface, it achieves the effect of acupoint massage, thereby improving the massage efficiency.



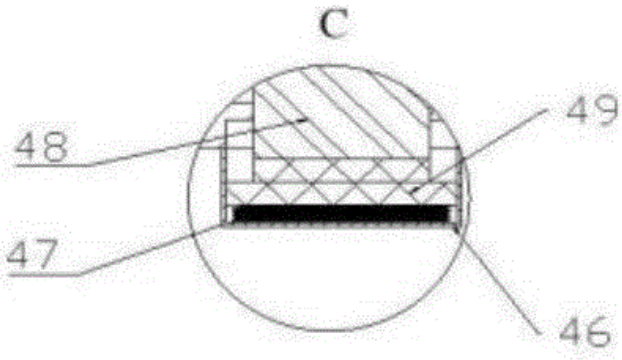
21: 2024/07288. 22: 2024/09/25. 43: 2025/04/04
51: A61K; C07D; A61P
71: HUMANWELL HEALTHCARE (GROUP) CO., LTD., WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY
72: ZHANG, Xuejun, ZANG, Yang, LI, Qun, LEI, Sijun, LIU, Lifei, LI, Yuan, XIA, Qingfeng, LI, Li'e, YANG, Jun
33: CN 31: 202210326113.5 32: 2022-03-29
33: CN 31: 202310281376.3 32: 2023-03-21
54: P2X3 INHIBITOR COMPOUND, SALT THEREOF, POLYMORPH THEREOF AND USE THEREOF
00: -
The present invention relates to a P2X3 inhibitor compound, a salt thereof, a polymorph thereof and use thereof. The present invention provides a crystalline form of a compound of formula I, which has good medicinal properties. A pharmaceutically acceptable salt of the compound of formula I is also obtained, and a crystalline form product of the salt is further obtained, such as a hydrochloride crystalline form A, a maleate crystalline form A, a p-toluenesulfonate crystalline form A, a benzenesulfonate crystalline form A, or a malonate crystalline form A. The present invention has great significance for developing effective therapeutic drugs.



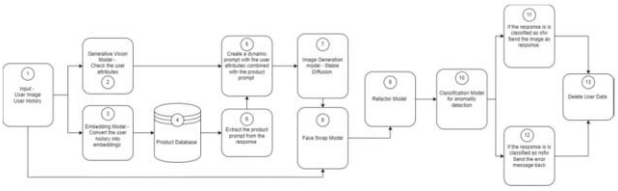
21: 2024/07323. 22: 2024/09/26. 43: 2025/04/29
51: G01D
71: Anhui Vocational and Technical College
72: Hui Liu, Xiaomin Xie, Jun Xie, Xiaodong Qian, Rui Wan, Xiaoluo Yin
54: DISTRIBUTED OPTICAL FIBER SENSING MONITORING SYSTEM
00: -
A distributed optical fiber sensing monitoring system, comprising a light generation module, a sensing optical fiber module, a data storage and recording module, a data acquisition and analysis module, a human-computer interaction module, and a distributed monitoring path planning module; the distributed monitoring path planning module comprises obtaining the area to be monitored, and performing regional analysis, demand assessment, path planning, path optimization and simulation verification on the area to be monitored; the light generation module is also connected to an electrical signal controller, and the data collection and analysis module collects and analyzes changes in the light signals in the sensing fiber module; the data collection and analysis module comprises signal collection, signal amplification, and signal processing; the data storage and recording module stores the processed signals; the human-computer interaction module obtains the data in the data storage and recording module for data analysis and displays monitoring results. Compare with the prior art, the benefit of the invention is to provide a distributed optical fiber sensing monitoring system that is easy to use, can perform high-precision monitoring, adapts to different monitoring needs, and is used in multiple terrains.

21: 2024/07326. 22: 2024/09/26. 43: 2025/04/29
51: A01M

71: Shihezi University
72: Qinglin LI, Guang YANG, Wenjuan CHEN, Pengrui FENG, Xuanbing LUO, Yucong YIN, Xiaofei YANG, Meixue ZHANG, Shuailong YU, Jianlin ZHU
54: UAV SUSPENDED SOIL AND WATER CONSERVATION SPRAYING DEVICE AND ITS USE METHOD
00: -
The invention provides a UAV suspended soil and water conservation spraying device and a use method, which belongs to the technical field of UAV, including: a bottom plate, an attitude stabilization device, a substrate storage box, the first drive mechanism, the mixing device, the second drive mechanism, the pressurized spraying device and the spraying auxiliary device; the center of the bottom plate is equipped with a gyroscope; the attitude stabilization device is set on the bottom plate, and the UAV landing gear is installed at the attitude stabilization device, the top of the substrate storage box is equipped with a substrate feeding port, and the substrate storage box is fixed on the bottom plate, the substrate storage box is equipped with a storage bin and a drive device bin, and the bottom of the storage bin is inclined and equipped with two discharge holes, the spraying device is mounted on the UAV, and the attitude stabilization device is used to solve the problem of instability of the device during flight, so as to facilitate the soil and water conservation work in the position that is difficult to reach by manpower or large and medium-sized equipment, and ensure the accuracy of spraying.

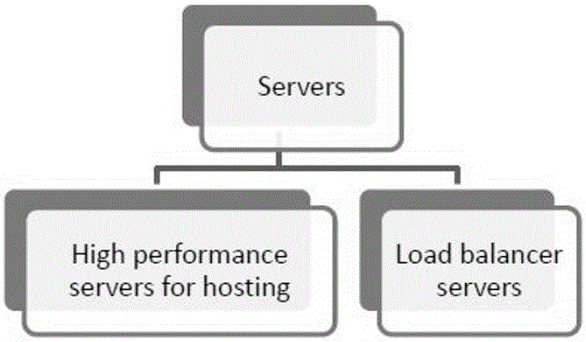


21: 2024/07328. 22: 2024/09/26. 43: 2025/04/24
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BHOSALE, Parth Suhas, MORE, Priyanka, SAKHARE, Sachin
54: A DYNAMICALLY GENERATIVE PERSONALIZED ADVERTISING SYSTEM USING HISTORICAL USER DATA AND VECTOR-BASED SIMILARITY ANALYSIS
00: -
The present invention relates to a dynamically generative personalized advertising system using historical user data and vector-based similarity analysis. It features a data input module for securely collecting and processing user images and internet activity data. A vector embedding conversion module transforms this data into vector embeddings using specialized models like text ada 002, capturing user preferences. A product matching module utilizes similarity search algorithms, including L2 distance, to identify the most relevant product. An image generation engine, such as GPT-4 Vision, creates personalized ads by integrating user-specific features and product details. A face-swapping module uses facial recognition technology like InsightFace to replace the model's face with the user's. A content review module, incorporating YOLO v8, ensures the ad’s safety and appropriateness. Finally, an advertisement delivery and data security module delivers the ad and deletes personal data to ensure compliance with privacy regulations.

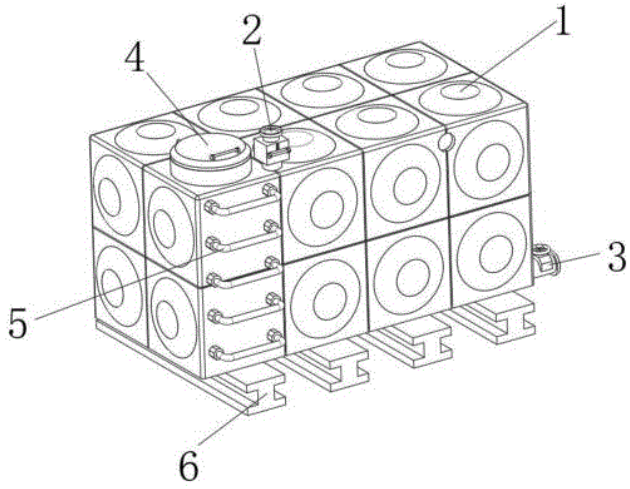


21: 2024/07329. 22: 2024/09/26. 43: 2025/04/24
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: LONDHE, Om Prashant, MORE, Priyanka, SAKHARE, Sachin, KULKARNI, Atul
54: A COGNITIVE REVIEW AND SECURITY ASSURANCE SYSTEM
00: -
The present invention relates to a cognitive review and security assurance system. The proposed system leverages advanced cognitive AI to enhance software development processes. This system

integrates natural language processing (NLP), machine learning (ML), and pattern recognition to comprehensively analyze source code, identify complex patterns, and detect vulnerabilities with high accuracy. It performs automated static and dynamic security assessments, reducing manual review efforts and improving code quality. The system also ensures compliance with industry regulations by continuously monitoring code repositories and enforcing coding standards. A collaborative review framework accelerates review cycles and promotes knowledge sharing. Experimentation and validation studies, including comparative analysis and real-world case studies, have demonstrated the system's effectiveness in improving security, compliance, and overall code quality, establishing it as a leading solution for organizations across various industries.

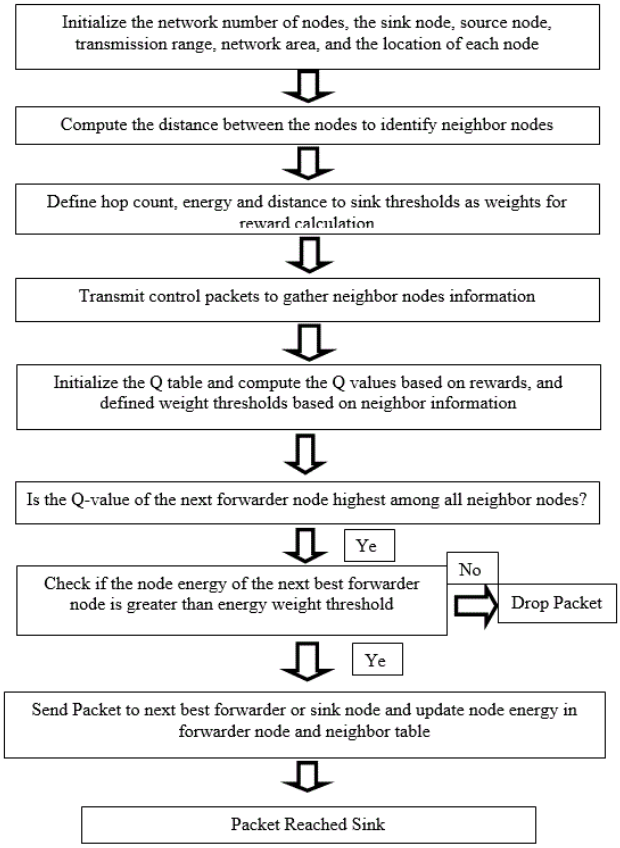


21: 2024/07330. 22: 2024/09/26. 43: 2025/04/30
51: E03B
71: Hohai University, Jiangsu Yuzhi River Basin Management Technology Research Institute Co.Ltd.
72: Luan Qinghua, Zhao Jiayi, Chen Jiajun, Zhang Xinyue, Ma Luan, You Yuanshan, Zhang Xiaoli, Wu Mengcai, Wang Wenqiang
33: CN 31: 202323662090.4 32: 2023-12-29
54: WATER TANK STRUCTURE OF REINFORCED WATER SUPPLY EQUIPMENT
00: -
The invention provides a water tank structure of reinforced water supply equipment, which relates to the technical field of water tank structures, and comprises a housing, wherein a water inlet is fixedly installed at the top end of the housing, a water outlet is fixedly installed on the side surface of the housing, an observation window is arranged at the top end of the housing, a ladder is fixedly installed on the side surface of the housing, a reinforcing rod is fixedly installed on the lower surface of the housing, a bottom plate is fixedly installed inside the housing, and a vertical rod is fixedly installed on the upper surface of the bottom plate. In the invention, by arranging the bottom plate, vertical rod, supporting frame, top plate, side plate, inclined plate, fixed head, sliding rod, sliding tube and spring A, the whole body is reinforced, which avoids the deformation of the surface of the housing due to thermal expansion and cold contraction when it is used in areas with large temperature difference. The whole body can be reinforced by reinforcement, which avoids the deformation of the whole body, increases the service life of the whole body and has high practicability.



21: 2024/07333. 22: 2024/09/26. 43: 2025/04/24
51: H04W
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAUDHARI, Archana Kedar, DESHPANDE, Vivek, MIDHUNCHAKKARAVARTHY, Divya
54: A THRESHOLD BASED REINFORCEMENT LEARNING SYSTEM FOR ROUTING IN WIRELESS SENSOR NETWORKS
00: -
The present invention relates to a threshold based reinforcement learning system for routing in wireless sensor networks. The system initializes the network by setting node parameters and calculating Euclidean distances to identify neighbor nodes. Control packets are exchanged to gather critical information, such as node energy levels, hop counts, and distances to the sink, which are stored in neighbor tables. The system defines thresholds for hop count, energy, and distance, using these to calculate rewards and initialize Q-values. Data packets are routed by selecting the next forwarder

with the highest Q-value, with energy levels updated dynamically to prevent self-loops and ensure efficient routing. Congestion near the sink is managed by energy threshold checks, ensuring reliable data transmission while minimizing packet loss and enhancing overall network performance.

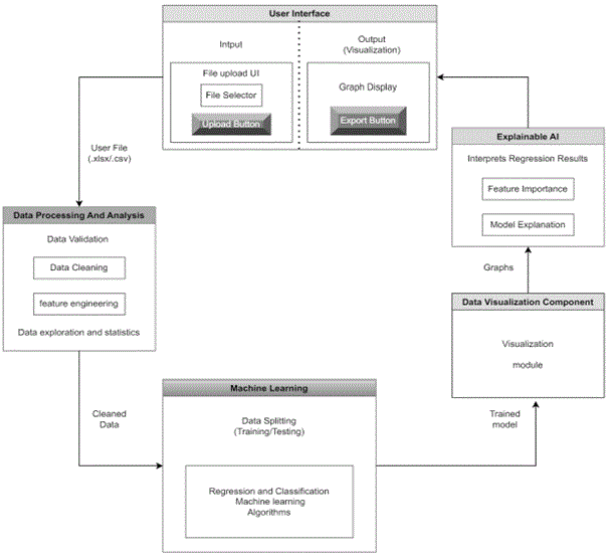


21: 2024/07334. 22: 2024/09/26. 43: 2025/04/24
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MAHAJAN, Shalaka Ajay, KAPSE, Soham Sanjay, KANAWADE, Chinmay Ajit, CHAKOTE, Srushti Rajesh, MAHALLE, Parikshit N., SHINDE, Geetanjali R.

54: IOT BASED AUTOMATED MACHINE LEARNING OPERATIONS WITH XAI

00: -

The present invention relates to an IOT based automated machine learning operations with XAI. The present invention discloses a comprehensive Automated Machine Learning Operations with XAI system specifically engineered for Supervised Learning tasks, integrated with eXplainable AI (XAI) capabilities to enhance model interpretability. The system streamlines the machine learning workflow by automating key stages, including data preprocessing, Exploratory Data Analysis (EDA), feature selection, model selection, hyperparameter optimization (HPO), and model training. Leveraging cutting-edge methods and libraries such as Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, and SHAP (SHapley Additive exPlanations), the system empowers users to effortlessly harness the power of machine learning without requiring specialized technical expertise. By providing transparent insights into model predictions through explainable AI techniques, the system ensures accountability and trust in AI-driven decision-making processes.



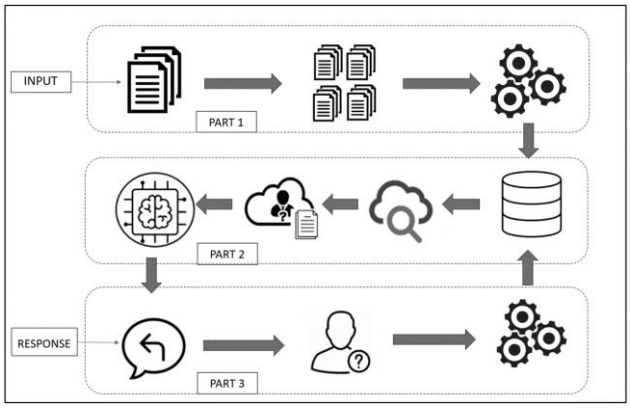
21: 2024/07335. 22: 2024/09/26. 43: 2025/04/24
51: B25J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: KHADE, Omkar Rajkumar, PARDESHI, Atharva Ram, POL, Rahul, MAHALLE, Parikshit Narendra

54: AN OFFLINE SYSTEM FOR NEXT-GEN ROBOTICS

00: -

The present invention relates to an offline system for next-gen robotics. The proposed system discloses a novel system for efficient code assistance and document ingestion tailored to software programmers working with the Lua programming language. Leveraging advanced natural language processing techniques and a streamlined web

interface developed using the Streamlit framework, the system offers precise comprehension of user queries, accurate code suggestions, and contextually relevant responses. Its unique approach to PDF document ingestion, employing recursive character-based text splitting algorithms, enables seamless extraction of Lua code snippets and relevant documentation from PDF files. The system's adaptability and customization capabilities further enhance its performance, allowing programmers to tailor the tool to their individual coding style and project requirements. This invention sets a new standard for code assistance tools in Lua programming, offering unparalleled efficiency, accuracy, and usability to programmers seeking to streamline their development workflow.



21: 2024/07350. 22: 2024/09/26. 43: 2025/04/03
51: F24S
71: Mustapha HAMDAN
72: Mustapha HAMDAN
33: GB 31: GB2202779.1 32: 2022-03-01
54: APPARATUS AND SYSTEM FOR GENERATING THERMAL ENERGY USING CONCENTRATED SOLAR POWER
00: -
Apparatus for generating thermal energy using concentrated solar power, the apparatus comprising a fluidised bed which including a dual heat exchange and solar receiver and means to circulate solid particles around the fluidised bed.

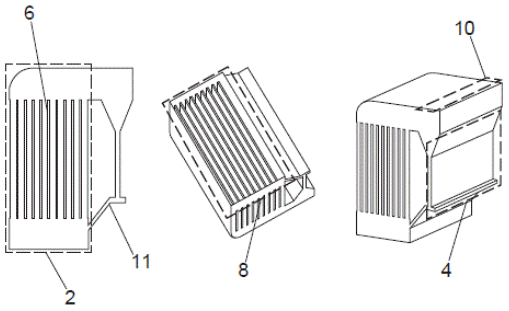
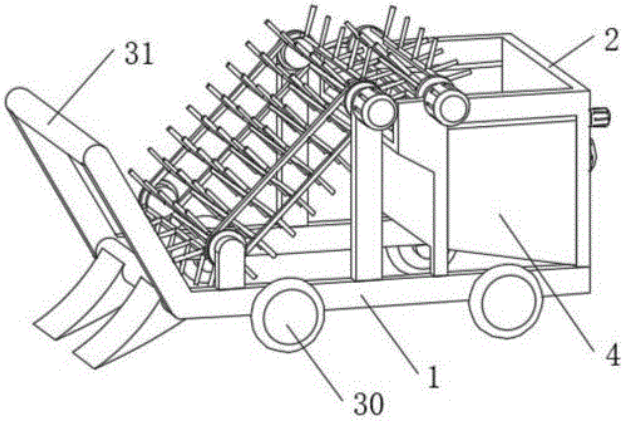


Fig. 2A Fig. 2B Fig. 2C

21: 2024/07360. 22: 2024/09/27. 43: 2025/04/23
51: A01B
71: Tarim University
72: ZHANG Yongcheng, LIU Yang, MA Jiale, ZHANG Hong, TANG Yurong, YANG Xirui
33: CN 31: 2024103053682 32: 2024-03-18
54: EQUIPMENT FOR REMOVING IMPURITIES AND RECYCLING RESIDUAL FILMS IN COTTON FIELDS
00: -
The invention relates to the technical field of recycling equipment, in particular to an equipment for removing impurities and recycling residual films in cotton fields, which includes a support frame, where a box body assembly for collecting residual films is installed at the top end of the support frame; a film winding assembly is installed inside the box body assembly; the box body assembly is provided with a wall plate assembly gathered towards the middle of the box; the wall plate assembly is used for controlling the space inside the box body assembly; the bottom of the box body assembly is an inclined bottom plate; openings are arranged between the lowest point of the bottom plate and the side plates of the box body assembly; and a plurality of film hook rods for hooking the residual films are arranged between the openings; the film winding assembly includes a film winding shaft, a second motor and a plurality of film winding racks; and the plurality of film winding racks are fixedly arranged on the surface of the film winding shaft in an annular array. The invention aims to solve the problems that the space in the collection box is easily wasted during the recovery process of the residual film, resulting in low space utilization rate of the collection box and poor film collection effect.

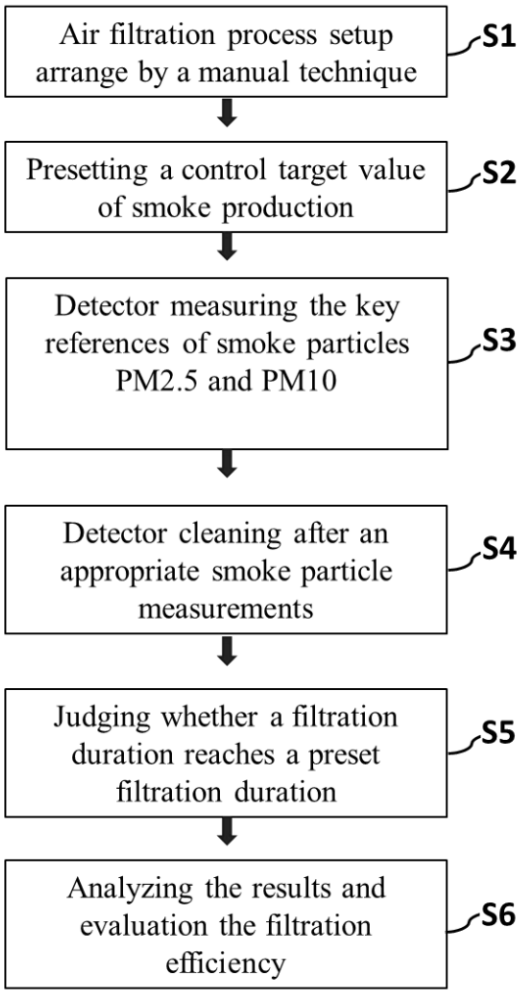


21: 2024/07361. 22: 2024/09/27. 43: 2025/04/29
51: A61K
71: Nantong University, Anhui Polytechnic University, Haian Institute of High-end Textile, Nantong University
72: Amjad FAROOQ, YANG Jianwei, WANG Feiyan, WANG Zongqian

54: ULTRA-LIGHTWEIGHT AND HIGH ELASTIC FIRMIANA SIMPLEX BARK MICROFIBER AEROGELS FOR AIR POLLUTION MITIGATION

00: -

The present invention relates to ultra-lightweight and high elastic aerogels derived from Firmiana simplex bark microfibers, designed specifically for air pollution mitigation. The preparation method involves freezing Firmiana simplex bark microfiber aqueous solutions at -20 degrees Celsius followed by lyophilization at -60 degrees Celsius, which facilitates fiber accumulation within the evolving ice matrix. The resulting aerogels exhibit a hierarchical pore structure with interconnected channels and open spaces, providing a large surface area for efficient gas and liquid transport. These aerogels demonstrate significant mechanical properties, including elasticity and resilience under compression, attributed to enhanced inter-fiber hydrogen bonding and physical entanglement. The novel aerogels are effective in mitigating air pollution due to their high adsorption capacity and structural integrity, offering a sustainable and efficient solution for environmental applications.



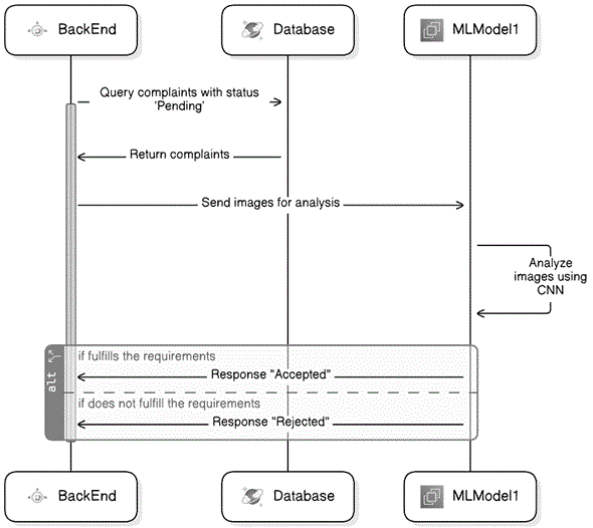
21: 2024/07366. 22: 2024/09/27. 43: 2025/04/24
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BADGUJAR, Prafulla Sudam, ADHAV, Shubham Dnyandev, BADMANJI, Shantanu Balkrishna, WANKHADE, Shalini Vaibhav, MAHALLE, Parikshit Narendra

54: AN IOT BASED URBAN WASTE MANAGEMENT SYSTEM FOR SUSTAINABLE NATION

00: -

The present invention relates to an IoT based urban waste management system for sustainable nation. The proposed system comprises a centralized platform that facilitates real-time communication and coordination between waste collection workers and administrative authorities. The system enables waste collectors to receive, assess, and manage waste collection requests, utilizing site images, waste locations, and additional data provided by

citizens. The proposed system's interface allows workers to document their actions, access training materials, and optimize resource allocation through request redirection. Administrative authorities leverage a customizable dashboard to monitor operations, analyze data, and make informed decisions using predictive analytics and machine learning algorithms, including CNNs and YOLO for image recognition, as well as linear regression and clustering for trend analysis and route optimization. The system's modular design ensures scalability, seamless integration, and continuous improvement, enhancing operational efficiency and sustainability in urban waste management.

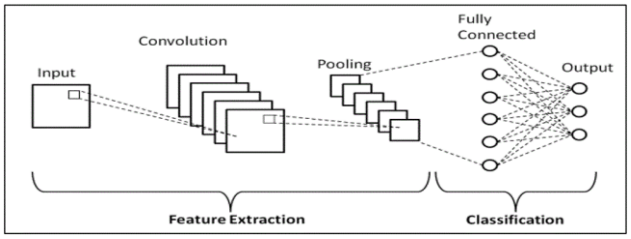


21: 2024/07367. 22: 2024/09/27. 43: 2025/04/24
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GHULE, Gauri Vaijukumar, RATHI, Snehal, DIWAN, Niraj, ATRE, Kushagra

54: AN EMOTION PREDICTION SYSTEM WITH CNN-RESNET

00: -

The present invention relates to an emotion prediction system with CNN-ResNet. The system comprises interconnected modules for data acquisition, feature extraction, machine learning training, and real-time emotion prediction. Data is collected from various sources, including text, video, and physiological sensors, and processed to extract features linked to emotional states. The system employs deep learning techniques, particularly CNN and ResNet, to train predictive models. Pre-trained ResNet and CNN models are integrated into an OpenCV environment using TensorFlow for emotion prediction. Input images or videos are preprocessed to ensure compatibility, and the system provides real-time emotion analysis by continuously processing input data and updating predictions dynamically. This architecture ensures accurate and efficient emotion prediction across multiple modalities.

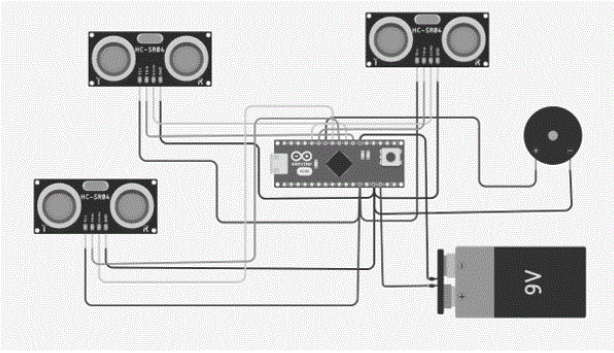


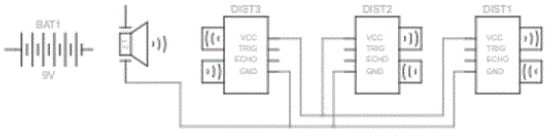
21: 2024/07368. 22: 2024/09/27. 43: 2025/04/24
51: H04W
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: GODSE, Ritesh Sanjay, AKKEWAR, Sankalp Vikas, DHOKE, Aniket Devidas, GONARE, Vaishnav Babarao, MAHALLE, Parikshit Narendra, INGLE, Yashwant, RAUT, Ketan

54: AN IOT BASED SYSTEM TO ENHANCE ACCESSIBILITY FOR VISUALLY IMPAIRED

00: -

The present invention relates to an IoT based system to enhance accessibility for visually impaired. The present invention enhances accessibility for visually impaired individuals through a hardware module featuring ultrasonic sensors and advanced obstacle detection algorithms. The system autonomously detects obstacles within a predetermined range by emitting ultrasonic waves and analyzing the reflections, providing real-time alerts through audible or tactile signals without requiring user input or visual cues. The module's customizable distance threshold, comprehensive environmental awareness, and real-time hazard detection capabilities ensure enhanced safety and mobility. Seamlessly integrable into assistive devices or standalone applications, this system empowers visually impaired users to navigate their surroundings with increased confidence and independence.



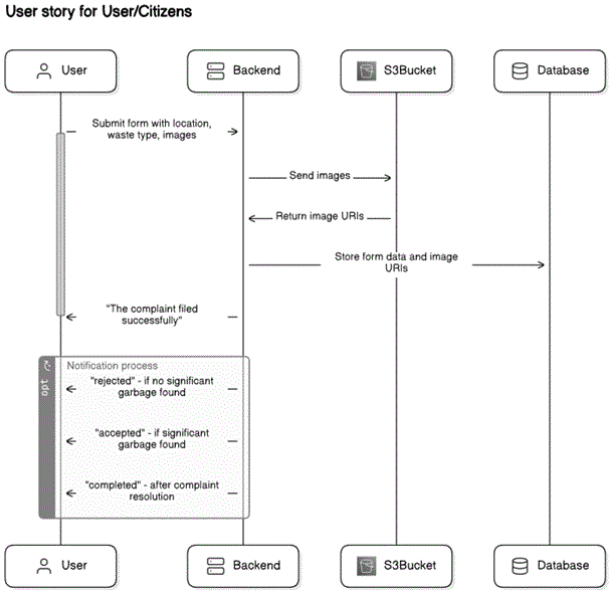


21: 2024/07369. 22: 2024/09/27. 43: 2025/04/24
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BADGUJAR, Prafulla Sudam, ADHAV, Shubham Dnyandev, BADMANJI, Shantanu Balkrishna, WANKHADE, Shalini Vaibhav, MAHALLE, Parikshit Narendra

54: AN IOT BASED SYSTEM FOR GREEN CITY MANAGEMENT TOWARDS SUSTAINABLE NATION

00: -

The present invention relates to an IoT based system for Green City Management towards Sustainable Nation. The proposed invention discloses a cutting-edge waste management system that revolutionizes the reporting, collection, and management of unorganized waste. The system's intuitive web portal empowers citizens to easily report waste issues by uploading images, GPS locations, and relevant details, overcoming traditional barriers. It integrates advanced image recognition algorithms for validating reports, ensuring accuracy, and includes real-time tracking for efficient task assignment to waste collectors. Transparency and accountability are prioritized through real-time feedback and incident tracking, fostering trust and civic engagement. Robust data analysis tools offer insights for community improvement, while the cloud-based architecture ensures scalability and high performance. This system represents a transformative solution for waste management, promoting collaboration and paving the way for a cleaner, sustainable future across various sectors.



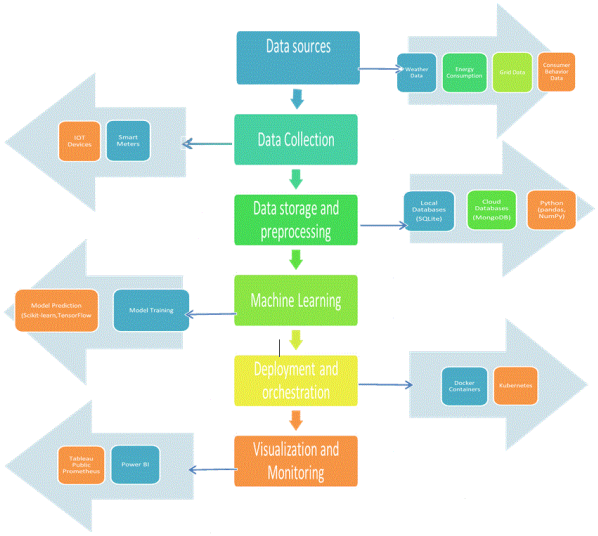
21: 2024/07370. 22: 2024/09/27. 43: 2025/04/24
51: H02J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: NIMBALKAR, Yashashree Mohan, NIMBALKAR, Yashraj Mohan, VYAVAHARE, Sakshi, ALI, Muskan Chand, MEHTA, Pradnya Samit, CHAVHAN, Pranali Gajanan

54: AN AI-DRIVEN DEMAND FORECASTING SYSTEM FOR RENEWABLE ENERGY INTEGRATION

00: -

The present invention relates to an AI-driven demand forecasting system for renewable energy integration. The proposed system comprising of data collection modules that gather input from IoT devices, smart meters, and external APIs providing weather forecasts and grid data; a data management system configured to store structured data in SQL databases and unstructured data in NoSQL databases; machine learning models using libraries such as Scikit-learn, TensorFlow, and Keras for training on collected data to predict energy demand based on factors including weather patterns, customer behavior, and real-time inputs; visualization and monitoring tools such as Power BI, Tableau, Prometheus, and Grafana for real-time data display and system performance monitoring; and cloud infrastructure deployed on platforms

including AWS, GCP, and Azure, with Docker and Kubernetes for scalable deployment and efficient operation.

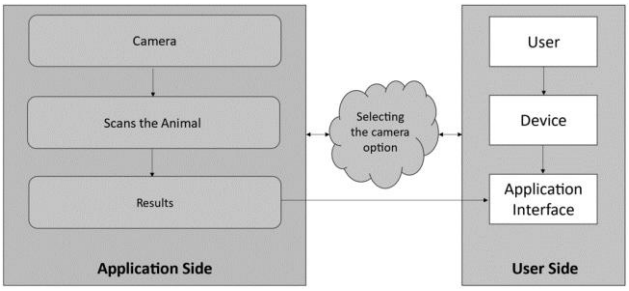


21: 2024/07371. 22: 2024/09/27. 43: 2025/04/24
51: G06T
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DESHPANDE, Ojas Chetan, MAHALLE, Parikshit N., TAKALE, Dattatray, DONGRE, Ganesh, SULE, Bipin

54: AN IOT-BASED LIVESTOCK IDENTIFICATION AND CATEGORIZATION SYSTEM USING MACHINE LEARNING AND IMAGE PROCESSING

00: -

The present invention relates to an IoT-based livestock identification and categorization system using machine learning and image processing. The proposed system, comprising: an image capture module integrated into a mobile or web-based application, configured to capture facial images of animals from multiple angles (left, middle, and right fields of view); an image processing unit utilizing machine learning algorithms to extract unique facial features such as shape, color, and distinctive facial ratios; a synthetic data generation module for creating augmented versions of the captured images to enhance the dataset; a machine learning model trained with the augmented dataset for accurate identification and categorization of animals; and a central database for storing and retrieving the processed data for future use, where the system facilitates wildlife tracking and monitoring across wide geographical areas, and enables integration with a mobile application for real-time animal identification and tourism-related applications.



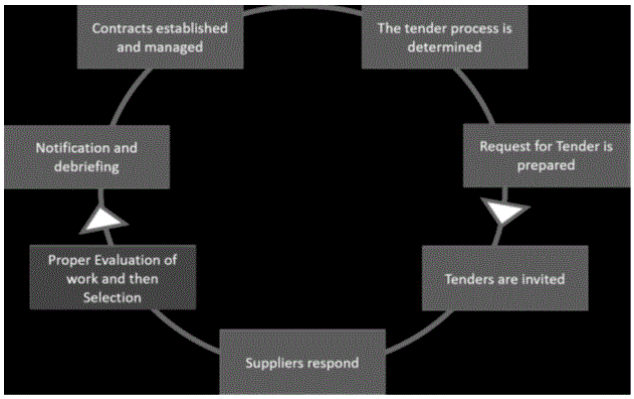
Classification of animals based on their breeds

21: 2024/07372. 22: 2024/09/27. 43: 2025/04/24
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: AHIRE, Yash Y., KSHIRSAGAR, Rahul S., SHINDE, Jayesh R., MAHALLE, Parikshit N., CHAUDHARI, Prasad

54: INDUSTRY 4.0 BASED CREDIBILITY SCORE CALCULATION SYSTEM FOR GOVERNMENT CONTRACTS

00: -

The present invention relates to an industry 4.0 based credibility score calculation system for government contracts. The present invention comprising an interactive online platform that categorizes users into three distinct groups: Government, Public, and Company. The system allows government officials to log in, register new projects, or monitor the status of existing contracts. Citizens in the 'Public' category can register, provide feedback, report issues, and make suggestions on ongoing government projects, contributing to a comprehensive credibility score. Companies in the 'Company' category access specialized tools to manage and review their contractual obligations. The system aggregates and analyzes data from all users, including feedback, problems, and suggestions, to calculate a dynamic credibility score for each project and contractor, facilitating transparency, accountability, and informed decision-making in government contracts.



21: 2024/07417. 22: 2024/09/30. 43: 2025/04/02
51: B09C
71: Gansu Agricultural University
72: Jiangqi WU, Guang LI, Haiyan WANG, Xiaoyuan WU

54: GRASSLAND SOIL SALINIZATION AND ALKALIZATION TREATMENT DEVICE AND METHOD

00: -

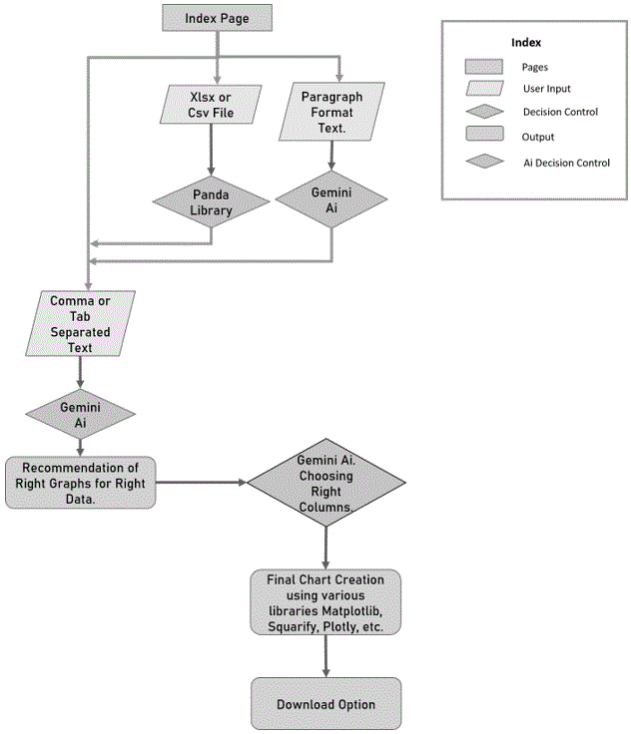
The invention discloses a piece of soil salinization and alkalization treatment equipment for grassland, comprising a mobile salinization and alkalization treatment cart. One side of the mobile treatment cart is provided with a soil-spraying and tilling assembly, and one side of the soil-spraying and tilling assembly is provided with a treatment agent mixing assembly. One side of the treatment agent mixing assembly is provided with a soil flattening assembly. The soil salinization and alkalization treatment method using this equipment involves spraying while tilling the soil with the soil-spraying and tilling assembly. This method addresses the issue of soil surface salinization causing clumping by introducing gypsum powder, calcium sulfite, and other chemical substances into the soil. These chemicals, such as gypsum powder and calcium sulfite, only remain on the surface, and their chemical reaction with saline-alkali soil is also limited to the surface, resulting in a slower treatment process. The treatment effect is significantly improved.

21: 2024/07422. 22: 2024/09/30. 43: 2025/04/22
51: H04N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: AHIRE, Yash Y., CHANDWADE, Saurabh P., KHODKE, Shantanu S., MAHALLE, Parikshit N., KACHHORIA, Renu D., JADHAV, Prranjali S.

54: AN INPUT-INDEPENDENT IOT-BASED INTELLIGENT AUTO-VISUALIZER SYSTEM

00: -

The present invention relates to an input-independent IoT-based intelligent auto-visualizer system. The proposed system discloses an innovative system for automated chart creation and data visualization that excels in handling diverse data formats, including CSV, XLSX, and textual inputs without prior structuring. By employing advanced Generative AI, the system effectively converts unstructured data into structured formats suitable for visualization, enhancing accessibility and accuracy. This capability simplifies the data preparation process, making sophisticated data analysis and presentation accessible to users across various domains. Designed for versatility, our system finds applications in business analytics, healthcare, education, Iot and more, offering a powerful tool for intuitive data-driven decision-making.

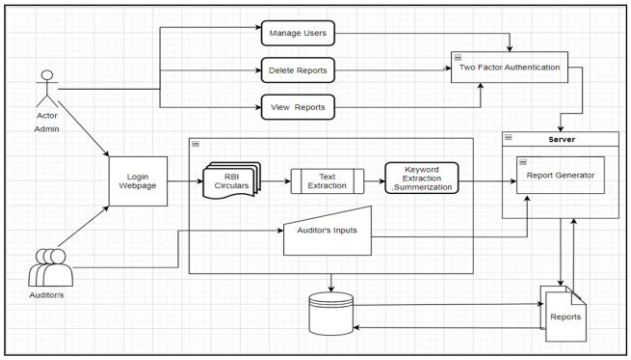


21: 2024/07424. 22: 2024/09/30. 43: 2025/04/22
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JUNNARKAR, Aparna Atul, BAGADE, Jayashri Vitthalrao, DRAVID, Sampda Viraj, PATIL, Swati, KOLEKAR, Harshda Yogesh

54: A SEMI AUTOMATED SYSTEM TO HELP IS AUDITORS

00: -

The present invention relates to a semi automated system to help is auditors. The proposed system comprising: a secure login interface for auditor authentication; a text extraction module configured to extract text from PDF documents using Optical Character Recognition (OCR) techniques; a natural language processing (NLP) module that leverages regular expressions and pre-trained models to automatically identify and summarize audit points from regulatory circulars; an input interface for auditors to manually input compliance status, observations, and recommendations; a report generation module configured to automatically compile and format the summarized audit points and auditor inputs into a comprehensive PDF report, wherein the report includes graphical representations of compliance status in the form of pie charts; and a system framework built using Django and Python, wherein the system is designed to enhance audit reporting efficiency, accuracy, and transparency by minimizing manual data entry and providing a streamlined, user-friendly workflow for IS auditors.

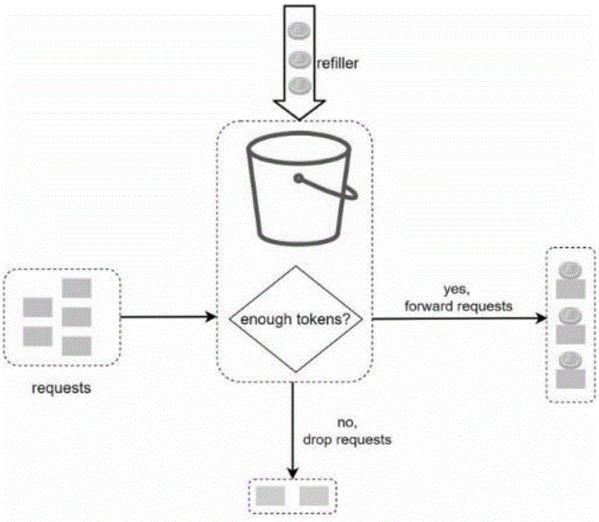


21: 2024/07426. 22: 2024/09/30. 43: 2025/05/05
51: H04N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JUNNARKAR, Aparna Atul, BAGADE, Jayashri Vitthalrao, DRAVID, Sampda Viraj, PATIL, Swati, KOLEKAR, Harshda Yogesh

54: A DYNAMIC RATE LIMITER SYSTEM FOR BILLBOARD HUB

00: -

The present invention relates to a dynamic rate limiter system for billboard hub. The proposed system is designed to create a sophisticated rate-limiting system specifically tailored to the demands of our billboard booking platform. The primary objective is to integrate a variety of rate- limiting algorithms, including Token Bucket, Fixed Window, Leaky Bucket, and Sliding Window Log, to manage access effectively, prevent abuse, and ensure fair distribution of resources. This system dynamically adjusts to fluctuating traffic patterns, optimizing access, deterring abuse, and ensuring fair resource distribution. By offering a flexible, adaptive solution, it enhances system stability, security, and efficiency, allowing fine-tuning based on specific use cases and evolving demands, thereby safeguarding against abuse, and fostering optimal performance of the billboard hub platform.



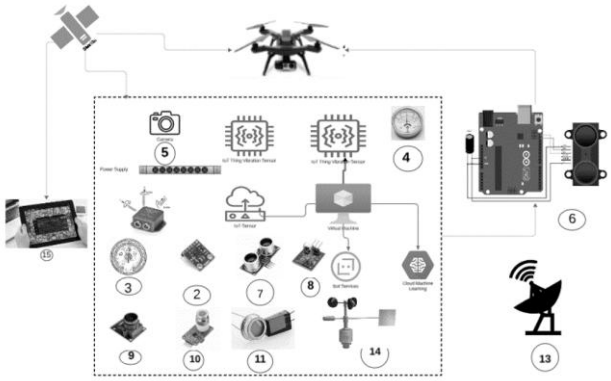
21: 2024/07430. 22: 2024/09/30. 43: 2025/04/22
51: H04W
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAVHAN, Pranali G., WASATKAR, Namrata N., DONGRE, Yashwant V., KOLEKAR, Vikas K., KARYAKARTE, Mandar S., CHAVHAN, Gajanan H.

54: AN AI AND ML BASED SMART DRONE FOR EMERGENCY MEDICAL DELIVERY SYSTEM

00: -

The present invention relates to an AI and ML based smart drone for emergency medical delivery system. The proposed system comprising of a drone equipped with a plurality of sensors including GPS, cameras, and LIDAR, for real-time situational awareness and data collection; an AI-driven autonomous navigation module configured to optimize delivery routes for efficiency and safety,

based on real-time data and pre-programmed instructions; a machine learning (ML) algorithm integrated within the system, enabling real-time adaptation to environmental changes, obstacle avoidance, and continuous improvement through data-driven learning; a predictive risk mitigation module utilizing ML models to anticipate and avoid potential hazards, including severe weather conditions and air traffic; a precision landing system controlled by AI for accurate takeoff and landing in varied terrains, including urban and remote areas; a communication interface for integrating the drone system into broader emergency response frameworks, enabling coordination with other emergency services; and a payload delivery mechanism designed to securely transport medical supplies such as blood, organs, and drugs, ensuring rapid and reliable delivery in emergency situations.

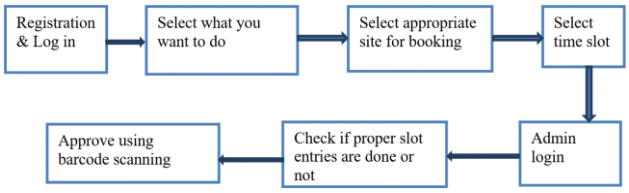


21: 2024/07431. 22: 2024/09/30. 43: 2025/04/22
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHITRE, Abhijit V., RAUT, Ketan J., DESHMUKH, Minal, HABBU, Shraddha K., GAWANDE, Pravin G., PATIL, Milind S.

54: A PLAYZONE SLOT BOOKING AUTOMATION AND SECURITY SYSTEM

00: -

The present invention relates to a playzone slot booking automation and security system. Web-based slot booking systems are prevalent currently either online or using traditional queuing systems. Several businesses like hospitals, service providing companies use different Web-based appointment systems for their clients, which makes process more efficient, thereby minimizing client's waiting time and maximizing the total number of clients served. The present invention discloses a web-based automated slot-booking system for play-zones through web or mobile devices that assist both clients and owners of the field to be acquainted with the time of the slot wherever they are. The system allows clients and field-handlers to simply gain access to the system by connecting to the Internet. It also enables clients to drop any message which consists of the purpose and time of the desire.

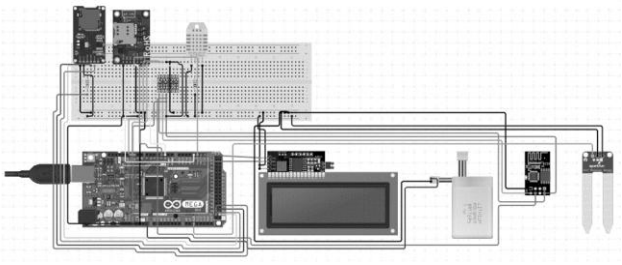


21: 2024/07432. 22: 2024/09/30. 43: 2025/04/22
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RATHI, Snehal, SAKHARE, Sachin, WAMANACHARYA, Shubham Pramod, SHAH, Samkit Jitendra

54: A MACHINE LEARNING BASED ADVANCED PREDICTIVE SYSTEM FOR CROP HARVESTING

00: -

The present invention relates to a machine learning based advanced predictive system for crop harvesting. The proposed system is designed to enhance agricultural productivity and planning. The proposed system integrates real-time climate data with machine learning models, including Long Short-Term Memory (LSTM) networks, to predict optimal crop harvest times accurately. By automating the calculation of crucial agricultural metrics like Growing Degree Days (GDD) and stress days, the invention offers a dynamic and adaptable solution that improves resource management, reduces operational costs, and supports sustainable farming practices.



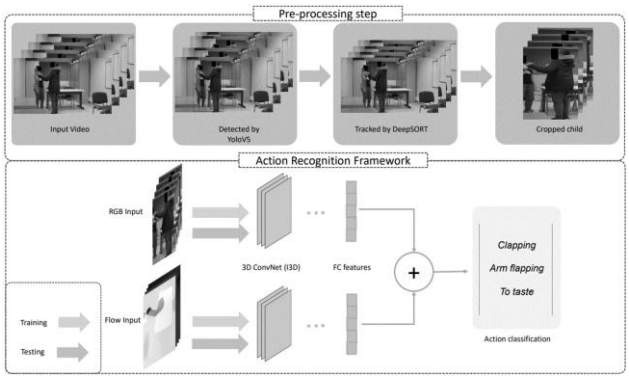
21: 2024/07433. 22: 2024/09/30. 43: 2025/04/22

51: A61P
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHHABADA, Dev, THAWARE, Ved, BHOSALE, Pournima, MAHALLE, Parikshit, YADAV, Gitanjali, MEHTA, Pradnya, NAWADKAR, Ashwini, GHULE, Vijaykumar

54: AN IOT-BASED AUTISM SPECTRUM DISORDER DETECTION AND INTERPRETATION SYSTEM

00: -

The present invention relates to an IoT-based autism spectrum disorder detection and interpretation system. The present invention discloses an advanced computer vision pipeline designed to assess and evaluate therapist-child interactions during ASD therapy. By utilizing complex models such as Detection Transformer (DETR), Face Emotion Detection (FER), Gaze Transformer, and DeepFace, the system uses real-time object tracking, gaze pattern prediction along with emotion detection, and extended video examination. Further, the proposed system using IOT component such as EEG which generates the physiological data which gives insights regarding the emotions and mental engagement levels by using the data which is gained by this complex pipeline, this invention is able to generate comprehensive reports, which are personalized for the patient. This automation remarkably reduces the time and effort required for manual analysis, thereby enhancing the overall assessment process and contributing to more efficient and tailored therapy for children with ASD.

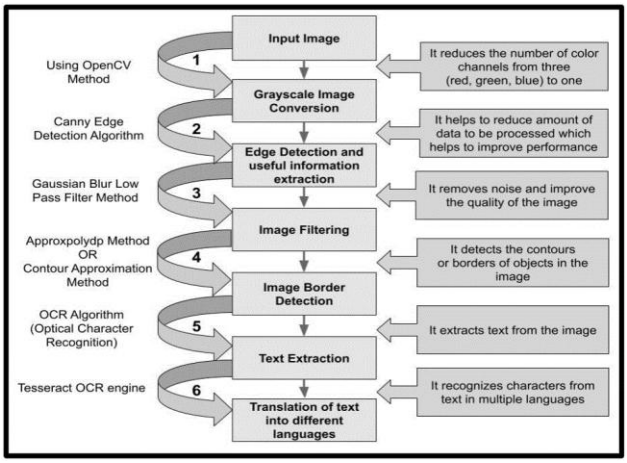


21: 2024/07434. 22: 2024/09/30. 43: 2025/04/22
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SABLE, Nilesh Popat, YENKIKAR, Anuradha Vishwajit, MAHALLE, Parikshit N., SHRIMANT, Gaikwad Vidya

54: A COMPREHENSIVE ACCESSIBILITY SYSTEM FOR DIVERSE USER NEEDS

00: -

The present invention relates to a comprehensive accessibility system for diverse user needs. Addressing the diverse needs of users, our innovative system harnesses OCR and machine learning technologies to overcome challenges faced by visually impaired individuals, those with dyslexia, cognitive challenges, and colorblindness. For visually impaired users, the proposed system summarizes text from images, converting it into audible speech. Dyslexic users benefit from text extraction and summarization using the OpenDyslexic font for enhanced readability. The proposed system also includes image filters to assist colorblind users in distinguishing colors. Multilingual translation, powered by OCR and NLP, further enhances accessibility, allowing users to obtain content in their native language. The proposed system marks a significant leap in multi-modal accessibility, offering a unified platform for users with disabilities. Through the integration of advanced technologies, our proposed system pioneers a more inclusive and accessible technological landscape.



21: 2024/07436. 22: 2024/09/30. 43: 2025/04/22
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAMCHAWARE, Yashwardhan, BEWOOR, Laxmi Anand, DONGRE, Yashwant Vinayak, REGE, Pallavi, TIWASKAR, Shweta

54: AN AUTOMATED SOCIAL MEDIA COMMENT REPLIER SYSTEM USING SENTIMENT ANALYSIS AND LARGE LANGUAGE MODEL

00: -

The present invention relates to an automated social media comment replier system using sentiment analysis and large language model. The proposed system comprising: a social media data API integration module configured to fetch comments from a specified video using the author's channel ID and video link; a filtering module that identifies and excludes comments that have already been replied to by the author; a sentiment analysis module employing a pre-trained model, Robustly optimized Bidirectional Encoder Representations from Transformers (RoBERTa), to classify the sentiment of each non-replied comment; a reply generation module utilizing a large language model, Falcon-7B-Instruct, which generates contextually relevant replies based on the sentiment classification and the comment text, according to a custom template; a storage module configured to store the non-replied comments, their associated sentiment scores and labels, and the generated replies in a CSV file; an upload module that automatically posts the generated replies to their respective comments on social media using the social media data API; and an analytics module that provides a summary of the number of comments classified as positive, negative, or neutral, along with visualizations including pie charts, histograms, and scatter plots based on sentiment labels and scores, and reports the count of comments already replied to and the number of AI-generated replies posted.

21: 2024/07437. 22: 2024/09/30. 43: 2025/04/23
51: G05B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: WANJALE, Kirti Hemant, PATIL, Vaishali Arun, MAHALLE, Parikshit, RAUT, Avinash, BHANDARI, Mahesh Ashok, SHAMKUWAR, Sonal, JAGDALE, Manoj, WANGE, Parthsarthi Sanjayarao, BORA, Tanmay Gautam, JABRAS, Divya Vijay

54: AN AI-DRIVEN CONTROLLER SYSTEM FOR ENHANCED PERFORMANCE, EFFICIENCY, AND SAFETY

00: -

The present invention relates to an AI-driven controller system for enhanced performance, efficiency, and safety. These advanced controllers utilize artificial intelligence to optimize battery usage, predict maintenance needs, and provide adaptive driving assistance in real-time. By analyzing vast amounts of data from vehicle sensors and external sources, the system improves energy management, extends battery life, and supports autonomous driving capabilities. Additionally, robust cybersecurity measures and seamless integration with various EV models ensure reliable and secure operation. This innovative technology addresses key challenges in the EV industry, offering substantial technical advantages and cost reductions, thereby advancing the capabilities and sustainability of future electric vehicles.

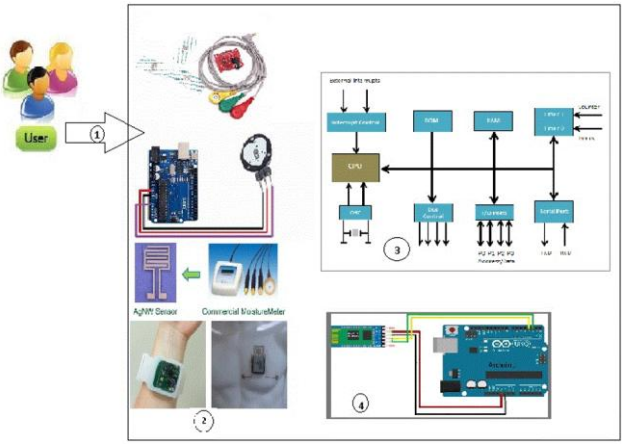
21: 2024/07439. 22: 2024/09/30. 43: 2025/04/23
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAVHAN, Pranali G., PATIL, Ritesh V., MAHALLE, Parikshit N.

54: AN AI-DRIVEN HEALTH RECOMMENDATION SYSTEM

00: -

The present invention relates to an AI-driven health recommendation system. Further, the system comprising: a wearable device including multiple sensors configured to continuously monitor vital signs and lifestyle data, wherein the sensors include a heart rate sensor, blood pressure sensor, pulse oximeter, ECG sensor, accelerometer, gyroscope, temperature sensor, and hydration sensor; a high-performance microcontroller configured to manage the collection, processing, and communication of data from the sensors; an AI engine integrated with the microcontroller, configured to analyze the collected data in real-time and generate personalized health suggestions; a touchscreen display configured to present the monitored data and recommendations to the user; connectivity modules including Bluetooth and Wi-Fi, configured to enable communication with external medical devices and a companion mobile application; a rechargeable battery configured to power the device; storage memory configured to store health data, user profiles, and machine learning models; and software including firmware to operate the device and manage data processing, and a companion mobile

application configured to provide detailed health insights, trend analysis, and facilitate user interaction with the device.

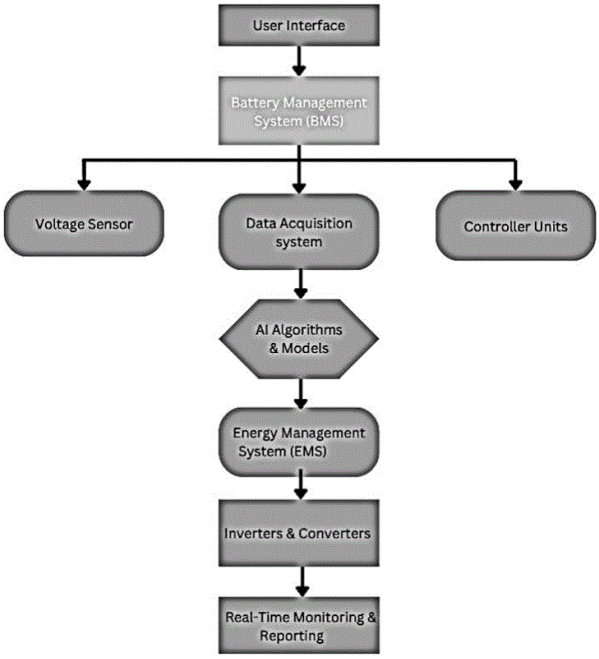


21: 2024/07441. 22: 2024/09/30. 43: 2025/04/22
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: ALI, Muskan Chand, VYAVAHARE, Sakshi, NIMBALKAR, Yashashree Mohan, NIMBALKAR, Yashraj Mohan, MEHTA, Pradnya Samit, MARATHE, Vijay Mahadev

54: AN AI-DRIVEN BATTERY MANAGEMENT SYSTEM

00: -

The present invention relates to an AI-driven battery management system. By harnessing the power of artificial intelligence, the AI-Driven Battery Management System epitomizes a new era in optimizing energy storage and consumption. This revolutionary system utilizes a mixture of conventional Battery Management Systems (BMS) and Energy Management Systems (EMS) augmented with cutting-edge algorithms in order to enhance efficiency, extend life span of batteries, reduce costs of operation among others. Through real time data collected from different sensors, the system is able to provide predictive maintenance, charge/discharge cycle optimizations and increased reliability in energy storage solutions. It seamlessly interfaces with renewable sources of energy as well as intelligent grids rendering it applicable across various industries including; renewable energy storage, electric vehicles, grid management systems for power distribution networks; backup power supply devices; consumer electronics; industrial machines and smart buildings. The AI-Driven Battery Management System thus presents a modularized affordable answer to contemporary power administration requirements that promotes sustainability and productivity across different sectors.



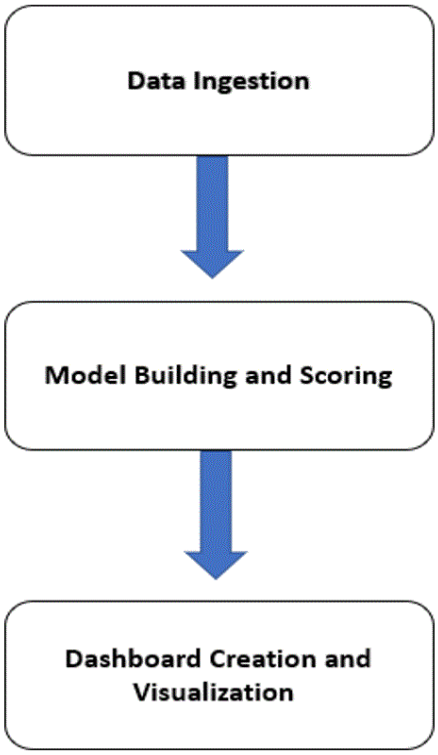
21: 2024/07442. 22: 2024/09/30. 43: 2025/04/22
51: G08C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: RAUT, Ketan J., MAHALLE, Parikshit N., WANJALE, Kirti H., MAHAJAN, Rupali, DESHMUKH, Minal, CHITRE, Abhijit V., HABBU, Shraddha K., PATIL, Milind S.

54: AN ANOMALY DETECTION SYSTEM IN SIGNAL AND VISUALIZATION

00: -

The present invention relates to an anomaly detection system in signal and visualization. The proposed system, comprising of a data ingestion module configured to collect and process data from multiple sources including RDBMS, databases, S3 buckets, CSV files, and data streams; a model-building module comprising steps for data collection, preparation, model selection, training, evaluation, and parameter tuning to detect overfitting or underfitting issues; a time-series signal generation module designed to create signals with random anomalies for model training; an anomaly detection model built and trained using Python on a Jupyter Notebook, with the model output structured and

stored in a distributed SQL database management system, such as CrateDB; a visualization module integrated with a data dashboard, such as Grafana, for displaying detected anomalies using various visualization tools and interactive query builders; and a system architecture compatible with multiple operating systems, including Windows, macOS, and Linux, and designed to function with at least 5 GB of disk space, with software requirements including a license.



21: 2024/07443. 22: 2024/09/30. 43: 2025/04/23
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHAVAN, Rohini, AMBHORE, Vishal, KELKAR, Shreeyash, DESHPANDE, Chaitanya, NALADKAR, Aditya, NATU, Abhishek

54: AN AI BASED PENALTY SYSTEM FOR TRAFFIC RULES VIOLATION

00: -

The present invention relates to an AI based penalty system for traffic rules violation. The proposed system discloses an innovative solution to enhance traffic rule compliance through the development of an AI-based penalty system. Focused on enforcing helmet usage on Indian roads, our project incorporates cutting-edge technologies such as YOLO (You Only Look Once) for object detection and OCR (Optical Character Recognition) for efficient penalty collection. The system not only identifies violations in real-time but also streamlines the penalty collection process. Furthermore, to enhance user communication and awareness, an SMS notification system is integrated, ensuring prompt alerts to violators. The proposed system aligns with the broader objective of leveraging artificial intelligence to contribute to enhanced road safety and regulatory adherence in the Indian traffic landscape. In addition to the core functionalities, the proposed system features a robust SMS notification system. This system ensures timely alerts and notifications to violators, promoting heightened awareness and adherence to traffic regulations. The seamless integration of these components not only addresses the critical issue of helmet non-compliance but also establishes a scalable framework for enhancing overall road safety. The proposed system underscores the potential of artificial intelligence in revolutionizing traffic management, contributing to a safer and more regulated traffic environment in India

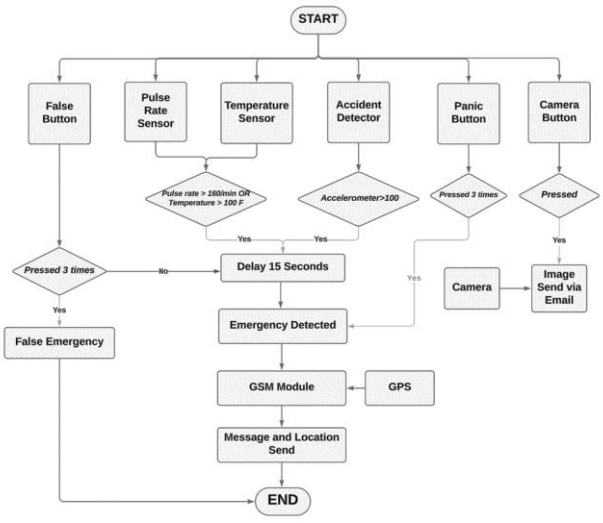
21: 2024/07444. 22: 2024/09/30. 43: 2025/04/24
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: KARADKAR, Om Santosh, KATDARE, Ameya, LOHGAONKAR, Sanket, KHUNTE, Piyush, TIWASKAR, Shweta, MAHAJAN, Rupali, SHELKE, Priya, RATHI, Snehal, REGE, Pallavi

54: AN AI BASED PERSONAL SAFETY AND HEALTH MONITORING SYSTEM

00: -

The present invention relates to an AI based personal safety and health monitoring system, comprising: an identity card configured with embedded sensors, wherein the sensors include accelerometers for detecting falls or sudden movements, a GPS module for real-time location tracking, a pulse rate sensor, and a temperature sensor for monitoring health parameters; an ESP32 microcontroller configured to manage sensor data processing, communication protocols, and overall device operation; a panic button integrated into the identity card, configured to trigger immediate assistance by transmitting the user's current location and distress signals to pre-configured contacts via SMS alerts; a compact and rechargeable battery configured to power the device and provide continuous monitoring capability; user interface components including LED indicators, vibration motors, or audible alarms configured to provide feedback on safety alerts, low battery status, and device operation; and a camera integrated into the identity card, configured to capture images in distress situations, thereby enhancing personal safety and emergency response.



21: 2024/07447. 22: 2024/09/30. 43: 2025/04/29
51: A63B

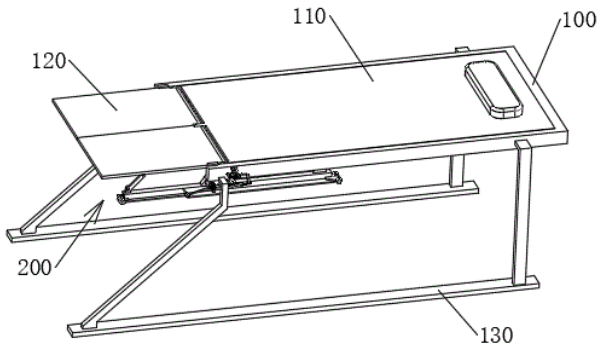
71: THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL)

72: Huanfang ZHANG, Shuai YANG, Xiaohong MING, Chun YANG

54: POSTPARTUM PELVIC FLOOR MUSCLE CONTRACTION REHABILITATION TRAINING DEVICE

00: -

The present disclosure relates to a postpartum pelvic floor muscle contraction rehabilitation training device. The postpartum pelvic floor muscle contraction rehabilitation training device, including a bracket; wherein a lying plate is fixedly connected to an inner side wall of the bracket, and supporting plates are rotatably connected to two sides of one end of the lying plate; counterweight mechanisms are arranged on both sides of the bracket, and the two counterweight mechanisms are in one-to-one correspondence with the two supporting plates; the counterweight mechanism includes a sliding rail rod, and a counterweight block is slidably connected to an inner wall of the sliding rail rod; and a rotating base I is fixedly connected to a bottom surface of the sliding rail rod. According to the present disclosure, by configuring the sliding rail rod and the counterweight block, the position of the counterweight block on the sliding rail rod is adjusted.

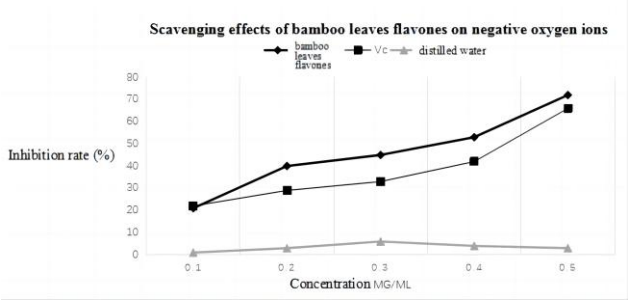


21: 2024/07449. 22: 2024/09/30. 43: 2025/04/29
51: A61K
71: Anhui Science And Technology University
72: ZHANG Xinyong, LI Xinyu, SUN Yanqi, LU Tong, WANG Xuemiao, GUO Zhenchao, DOU Jinfeng, WANG Haibo
33: CN 31: 202310281228.1 32: 2023-03-22

54: METHOD OF EXTRATING FLAVONES FROM BAMBOO LEAVES AND APPLICATIONS THEREOF

00: -

The present invention discloses a method of extracting flavones from bamboo leaves and applications thereof, belonging to the field of bamboo leaves extract, the method of extracting flavones from bamboo leaves: (1) extracting flavones from bamboo leaves: bamboo leaves are taken, cleaned, dried and crushed, and then weak alkaline water is added, stirred well, heated, filtered, and the pH of the filtrate is adjusted to neutral; (2) pretreatment of adsorption resin: the resin and ethanol solution are added into the adsorption column and soaked; the ethanol solution passes through the column, and then the water passes through the column; the hydrochloric acid passes through the column, and then the water passes through the column; the sodium hydroxide solution passes through the column, and then the water passes through the column, and the adsorption resin column is obtained; (3) Separation of bamboo leaves flavones: the filtrate passes through the adsorbent resin column, and then is eluted with an ethanol solution, and the eluate is collected to obtain bamboo leaves flavones. A method of extracting flavones from bamboo leaves provided by the invention reduces the loss of flavones from bamboo leaves during the extraction process, effectively increases the total amount of flavones extracted from bamboo leaves, and further reduces the production cost of bamboo leaves flavones.



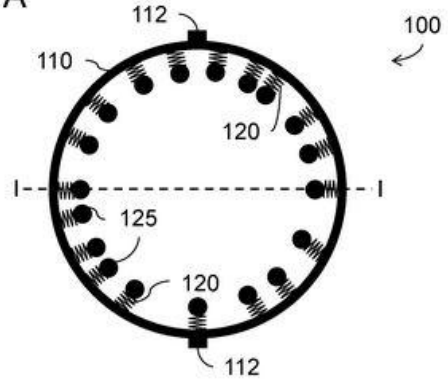
21: 2024/07450. 22: 2024/09/30. 43: 2025/04/09
51: G01C
71: NORTHROP GRUMMAN LITEF GMBH
72: RENDE, Jan Daniel
33: DE 31: 10 2022 114 406.2 32: 2022-06-08

54: MICROELECTROMECHANICAL COUPLING DEVICE

00: -

The invention relates to a microelectromechanical coupling device (100) for coupling microelectromechanical components, having a flexible ring structure (110) which forms a circle in an idle state and which can be deformed substantially parallel to the plane of the circle and is suitable for coupling the microelectromechanical components (200); and a plurality of spring elements (120) which are suitable for connecting the ring structure (110) to a substrate. The coupling device (100) has such a large number of a spring elements (120), such a small width in the circumferential direction of the ring structure (110), and such a low spring hardness that the deformability of the ring structure (110) is homogenous in the circumferential direction of the ring structure (110).

Fig. 1A

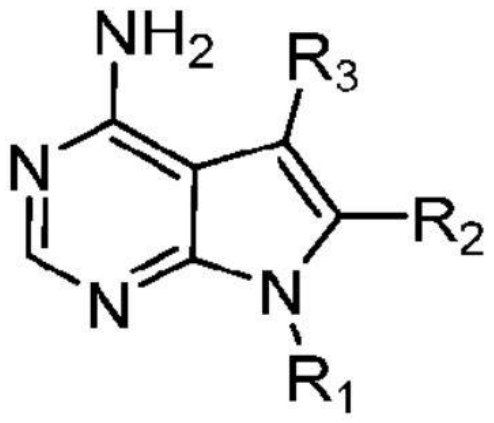


21: 2024/07463. 22: 2024/09/30. 43: 2025/04/09
51: A61K; C07D; A61P
71: ACERAND THERAPEUTICS (HONG KONG) LIMITED
72: LIU, Bin, YU, Kuo-Long, PAN, Weitao
33: US 31: 63/325,721 32: 2022-03-31
33: US 31: 63/419,438 32: 2022-10-26

54: SPIROBICYCLIC COMPOUNDS

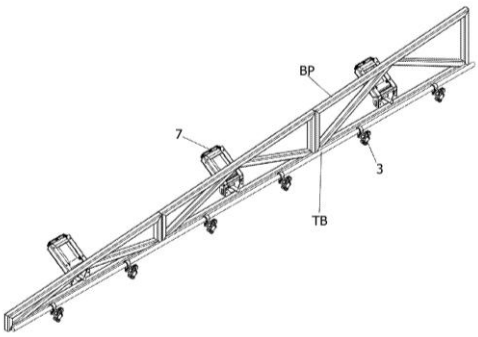
00: -

The present invention provides spirobicyclic compounds, particularly a compound of formula (I) and pharmaceutical compositions thereof. The invention further provides methods of using a compound of formula I in treating diseases associated with or modulated by FGFR2 including cancers that harbor aberrant activation of FGFR2.

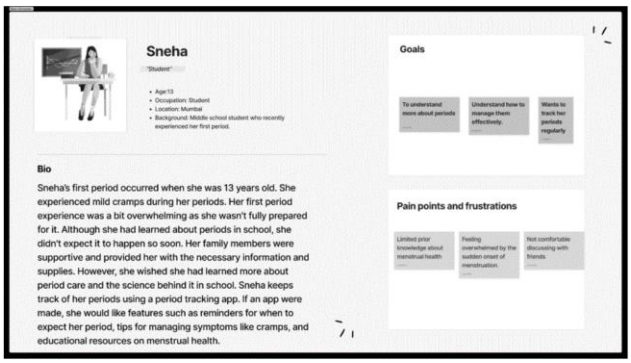


(I)

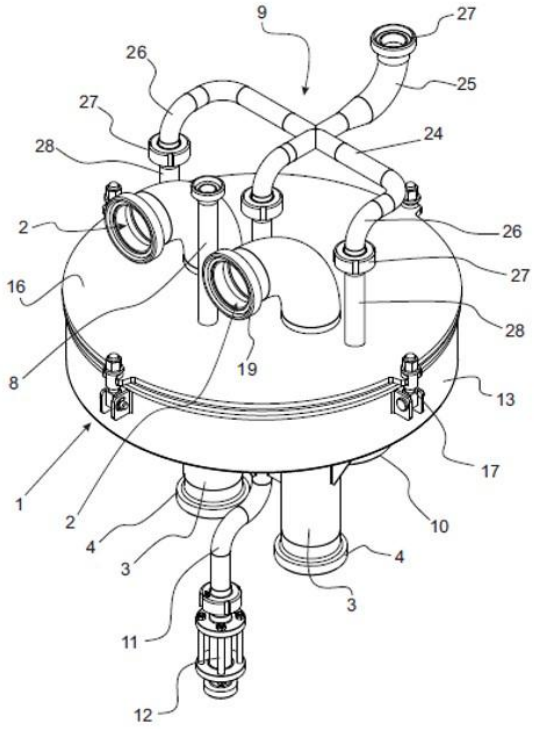
21: 2024/07472. 22: 2024/09/30. 43: 2025/04/09
51: A01M
71: EIRENE PROJETOS E CONSULTORIA LTDA
72: MARCKMANN, Eduardo, BORGES, Gabriel De Morais, MACHADO, Diógenes Dos Santos, FIEGENBAUM, Artur Stein
33: BR 31: 1020220068445 32: 2022-04-08
54: SYSTEM, DEVICE AND METHOD FOR PLANT IDENTIFICATION AND SPRAY CONTROL
00: -
The invention refers to a system, device, and method for identifying and analyzing the plants, pests, insects, and other elements of a crop to control the spraying of agrochemicals in real time, monitor and analyze planting conditions, and present data to the user for decision-making. The system comprises a device (7) on the spray boom of the agricultural vehicle that communicates with server (5) in the cloud that communicates with the user interface platform (8) and with the operator interface (10) in the cabin of the sprayer vehicle. The device (7) captures the images during operation, processes and decides the need for spraying, and controls the solenoid valves (3) of the spray nozzles, stores the images and information acquired in the field in memory, and sends them to the server (5) via the Wi-Fi connection.



21: 2024/07481. 22: 2024/10/01. 43: 2025/04/23
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MAHALLE, Parikshit, BHAGWAT, Suvarna, MAID, Ananya, BORSE, Jayendra, CHOUBEY, Rahul, JOKARE, Manaswi
54: AN IOT-BASED PERSONALISED DIET AND CYCLE TRACKING SYSTEM
00: -
The present invention relates to an IOT-based personalised diet and cycle tracking system. The proposed system is designed to help users manage menstrual health and nutrition effectively. This multifaceted system integrates menstrual cycle tracking with personalized dietary recommendations, an AI-driven recipe generator, and a secure chat feature for consultations with healthcare professionals. Recognizing the impact of hormonal fluctuations on appetite, cravings, and energy levels during menstrual cycles, the system provides tailored nutritional guidance aligned with different cycle phases. The AI-based recipe generator offers recipes that meet nutritional needs and address common cravings. Additionally, users can connect with registered dietitians and healthcare professionals specializing in menstrual health via a secure chat for personalized advice. By combining cycle tracking, personalized nutrition, and AI-powered recipes, the system empowers users to make informed dietary choices, enhancing overall health and well-being.



21: 2024/07484. 22: 2024/09/30. 43: 2025/04/07
51: B01F
71: BOTTIN, Marcelo, OLIVEIRA DE SOUZA, João Ivo, VITIELLO, Omar, FARIA, Bruno Pires
72: VITIELLO, Omar, DE SOUZA, João Ivo Avelaneda
33: BR 31: 1020220106401 32: 2022-05-31
54: SOLUBILIZER FOR VARIOUS MIXTURES
00: -
Solubilizer for various mixtures, formed by a hydraulic recirculation device under pressure for any mixture, having at least one solute constituent and at least one solvent, comprising : a dynamic passage chamber (1); at least one solubilizing core (2), at least one collecting tube (3); the lower edge with connection (4) to the collecting tube (3) is coupled to the upper part of a mixture tank (5) inside which the solubilized mixture flow is discharged; an external recirculation pipeline (6) interconnecting the bottom and the upper part of the mixture tank (5), configuring a closed recirculation circuit; a high pressure pump (7) is interleaved to the pipeline (6); the upper part of the dynamic passage chamber (1) includes at least one inlet tube (8) for gas in j ect ion; a cleaning set (9); the lower side of the dynamic passage chamber (1) includes at least one vent tube (10) for air/gas inlet and recirculation from inside the mixture tank (5) and inside the dynamic passage chamber (1); and the lower side of the dynamic passage chamber (1) includes a central tubular outlet (11) and its respective line display (12).



21: 2024/07487. 22: 2024/10/01. 43: 2025/04/07
51: A61B; A61M
71: ENDOSTART S.R.L.
72: TOZZI, Alessandro, SANGREGORIO, Claudio, TUCI, Tommaso, MASIELLO, Fabiana, MONDELLO, Giorgia, LAZZERI, Denise, ALBINO, Martin, PETRECCA, Michele
33: IT 31: 102022000007448 32: 2022-04-14
54: ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPES, AND ENDOSCOPY SYSTEM COMPRISING SAID GUIDE
00: -
The present invention relates to an endoscopic guide, particularly suitable for application in colonoscopy. In particular, the invention is directed to an endoscopy system, in particular for colonoscopy, comprising: - an endoscopic guide, in particular for colonoscopes, comprising a tubular guide element (1) and an anchoring head (2), wherein the tubular guide element (1) comprises a longitudinal cavity (3), the anchoring head (2) being provided with an expandable container (4) configured to accommodate a ferromagnetic agent, the expandable container (4) being in communication with said longitudinal cavity (3), wherein the endoscopy system further comprises a ferromagnetic agent configured to be movable in said longitudinal cavity to fill/empty the expandable

container (4), characterized in that the ferromagnetic agent is an aqueous suspension of carbonyl iron.

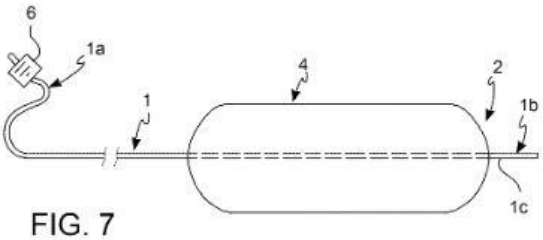
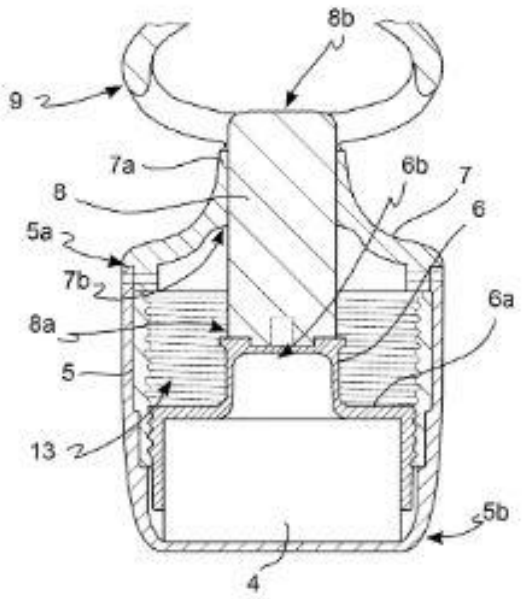
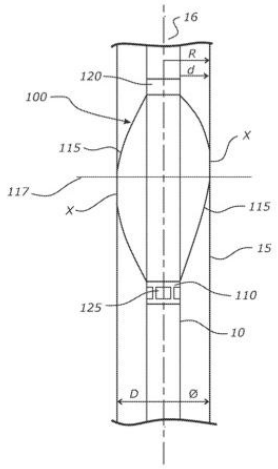


FIG. 7

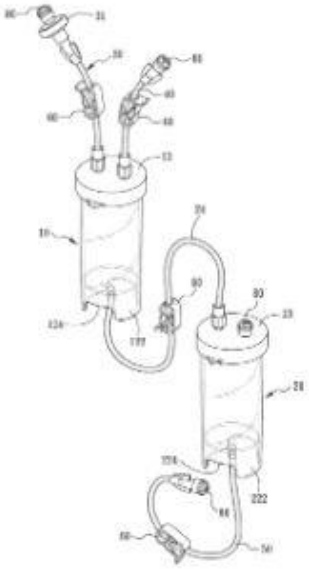
21: 2024/07488. 22: 2024/10/01. 43: 2025/04/07
51: A61B; A61M
71: ENDOSTART S.R.L.
72: TOZZI, Alessandro, TUCI, Tommaso, MASIELLO, Fabiana, MONDELLO, Giorgia, LAZZERI, Denise
33: IT 31: 102022000007475 32: 2022-04-14
54: MAGNETIC HANDPIECE FOR AN ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPES, AND ENDOSCOPY SYSTEM COMPRISING SAID HANDPIECE
00: -
The present invention relates to a magnetic handpiece for an endoscopic guide, particularly suitable for application in colonoscopy. In particular, the invention is directed to a magnetic handpiece system (1), comprising a magnetic handpiece (2) and a casing (3), wherein the magnetic handpiece (2) comprises a magnetic field source consisting of one or more permanent magnets and wherein the magnetic handpiece (2) comprises a hollow body (5) having a longitudinal axis (X-X), a first end (5a) and a second end (5b), in which a movable support element (6) of the magnetic source is movably accommodated through a screw coupling, wherein the movable support element (6) is movable along the axis (X-X) between a raised, or non-operating, position and a plurality of lowered operating positions.



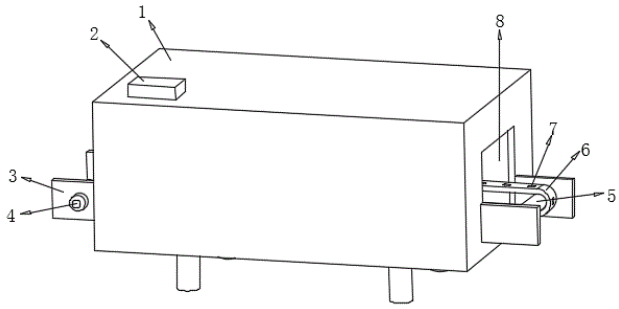
21: 2024/07490. 22: 2024/10/01. 43: 2025/04/29
51: E21B
71: IMDEX TECHNOLOGIES PTY LIMITED
72: SCHICKER, Owen, PELL, Christopher
33: AU 31: 2022900838 32: 2022-03-31
54: LOCATOR FOR SURVEY APPARATUS
00: -
A locator for positioning and/or stabilising a survey apparatus in a borehole comprising: two opposing members for cooperatively coupling together around a survey apparatus, the survey apparatus comprising at least one profiled region for a locator on the survey apparatus, each opposing member comprising: at least a first apparatus coupling, the first 5 apparatus coupling configured to connect to a respective first apparatus coupling of the corresponding opposing member around the survey apparatus, one or more bearing members for bearing against a borehole, and wherein: the at least first apparatus coupling is configured to engage with the at least one profiled region on the survey apparatus to, when one opposing member is cooperatively coupled with the corresponding opposing member 0 around the survey apparatus, constrain the resultant locator on the survey apparatus longitudinally and/or rotationally.



21: 2024/07512. 22: 2024/10/02. 43: 2025/04/07
51: C12M
71: DUOGENIC STEMCELLS CORPORATION
72: SU, Hong Lin, SHEN, Ching I, WANG, Fu Hui, HSIEH, Chia Ying
54: CLOSED CELL SEPARATION OPERATION APPARATUS
00: -
A closed cell separation operation apparatus, comprising a first pipe body (10) having an air hole and an inlet, a second pipe body (20) having an air hole (231) and an inlet, and a connecting pipe (24) connecting the first pipe body (10) and the second pipe body (20). The first pipe body (10) is provided with the air hole (131) allowing for air to enter and exit from the first pipe body (10), the first pipe body (10) is provided with the inlet (132) allowing for a fluid from an external fluid source to enter the first pipe body (10), and the first pipe body (10) is provided with an outlet (121); and the second pipe body (20) is provided with the air hole (231) allowing for air to enter and exit from the second pipe body (20), the second pipe body (20) is provided with the inlet (232) allowing for part of the fluid from the outlet (121) of the first pipe body (10) to enter the second pipe body (20), and the second pipe body (20) is provided with an outlet (221). The closed cell separation operation apparatus provides a closed pollution-free environment for separation of a supernatant in and after centrifugation.



21: 2024/07614. 22: 2024/10/08. 43: 2025/04/14
51: H01M
71: CHINA RAILWAY HUATIE ENGINEERING DESIGN GROUP CO., LTD.
72: DUAN, Lida, ZHU, Qingling, XIAO, Meng
54: ENERGY STORAGE BATTERY MODULE STRENGTH DETECTION DEVICE
00: -
The present application relates to the technical field of energy storage batteries, and discloses an energy storage battery module strength detection device, comprising a detection housing, both ends of the detection shell are provided with housing openings, a conveying mechanism is arranged inside the detection housing, a placement frame is arranged on the conveying mechanism, and an energy storage battery body to be detected is placed in the placement frame; the conveying mechanism comprises a movable roller, the outer surfaces of both ends of the movable roller are sleeved with conveying belts, and also comprises a driving component for driving the movable roller to rotate, both conveying belts are provided with installation holes arranged at intervals, and the bottom four corners of the placement frame are provided with connecting side wings. When the present application is used, a control display screen collects and displays the detection results of a side flatness detection component and a top flatness detection component, so as to facilitate the understanding of the detection results and improve the detection accuracy.



21: 2024/07617. 22: 2024/10/08. 43: 2025/05/15
51: B60P; B60R
71: MOUNTAIN TOP (DENMARK) APS
72: Peter Singer HANSEN, Robert ANSINGH
33: DK 31: PA 2022 70101 32: 2022-03-14
54: A FASTENING ASSEMBLY, A CROSS BAR COMPRISING THE FASTENING ASSEMBLY, AND A METHOD OF MOUNTING THE CROSS BAR AND THE FASTENING ASSEMBLY TO A TRUCK BED
00: -
A fastening assembly (2) is adapted for releasably connecting a load-carrying cross bar (1) to a vehicle. The fastening assembly (2) comprises a cross bar mounting part (3) with a protruding first hinge part (4), and a vehicle mounting part (5) with a second hinge part (6) adapted for releasably and pivotably coupling with the first hinge part (4). The first hinge part (4) comprises a tubular first assembling part (7a). The second hinge part (6) comprises a second assembling part (7b) with opposite shaft bearings (16;18) at opposite ends of a mounting base part (33) and is adapted to pivotally receive the tubular first assembling part (7a). A shaft (27) is releaseably arranged through the opposite shaft bearings (16;18) to pivotably connect the first hinge part (4) and the second hinge part (6).

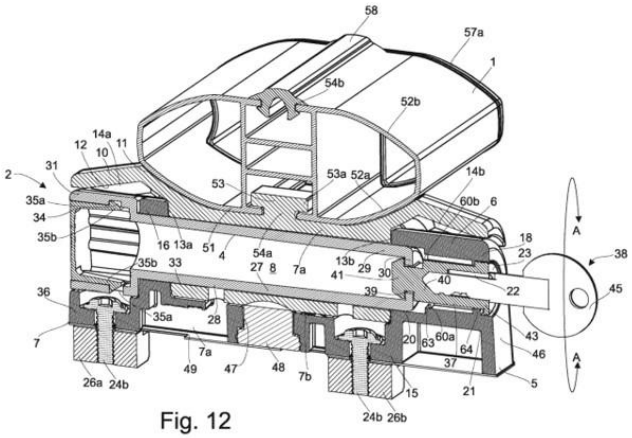
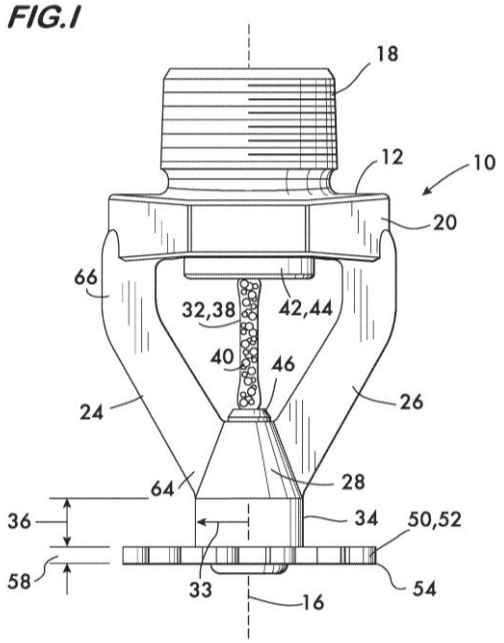


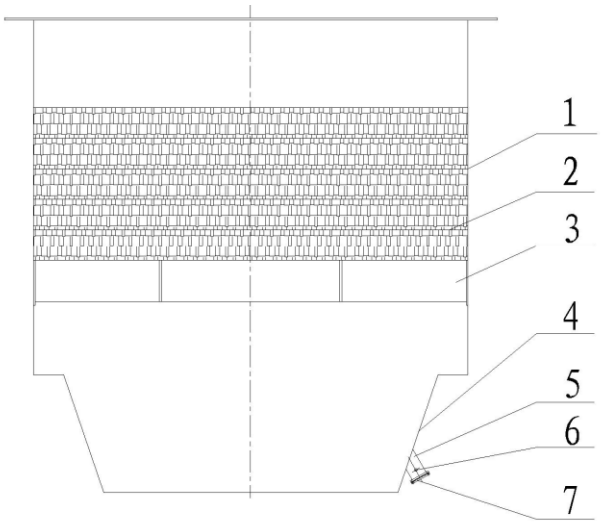
Fig. 12

21: 2024/07643. 22: 2024/10/09. 43: 2025/04/02
51: A62C; B05B
71: VICTAULIC COMPANY
72: WANCHO, Thomas F.
33: US 31: 62/640,208 32: 2018-03-08
54: FIRE SUPPRESSION SPRINKLER AND DEFLECTOR
00: -
A sprinkler for a fire suppression system includes a deflector plate having five different types of slots extending from a periphery of the plate toward a center of the plate along radially extending lines. The slots are arrow shaped, club shaped and key hole shaped. Arrow head slots which align with frame arms supporting the deflector plate are wider than the thickness of the frame arms. Club shaped and arrow shaped slots proximate the plane of the frame arms are asymmetrical with respect to radial lines extending from the center of the plate, while arrow shaped and key hole shaped slots distal to the plane of the frame arms are symmetrical with respect to radial lines extending from the center of the plate.

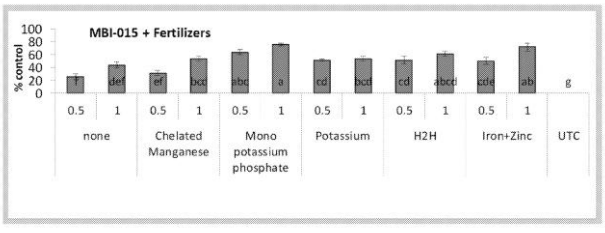
FIG.1



21: 2024/07652. 22: 2024/10/09. 43: 2025/04/14
51: F23G
71: TIANHUA CHEMICAL MACHINERY AND AUTOMATION RESEARCH AND DESIGN INSTITUTE LIMITED, LANZHOU UNIVERSITY OF TECHNOLOGY
72: LIU, Yadong, YANG, Zhenhua, YAO, Shuting, ZHANG, Yaoren, CHEN, Lei, WANG, Mingqiu, SU, Yang
33: CN 31: 2023117929692 32: 2023-12-25
54: BOTTOM VISUALIZATION DEVICE FOR INCINERATION WASTE GAS TREATMENT EQUIPMENT IN COKE INDUSTRY
00: -
A bottom visualization device for incineration waste gas treatment equipment in the coking industry is provided, which belongs to the field of coking waste gas treatment. The present invention includes a regenerative chamber, packing, a grid, a gas collecting chamber, and a cylinder section, the bottom of the regenerative chamber is provided with the gas collecting chamber, the grid is fixedly arranged between the regenerative chamber and an internal connection of the gas collecting chamber, an interior of the regenerative chamber is arranged with the packing located on the top of the grid, and the cylinder section is arranged at the bottom of an outdoor wall of the gas collecting chamber; and the present invention is equipped with the cylinder section, the blockage and coking conditions of the packing at the bottom of the regenerative chamber can be observed through the cylinder section, so as to facilitate manual cleaning or replacement of the packing, to meet the environmental protection requirements of the equipment.



21: 2024/07673. 22: 2024/10/09. 43: 2025/04/14
51: A01N; A01P
71: PRO FARM GROUP, INC.
72: ROBINSON, Matthew Louis, BODDY, Louis Gregory
33: US 31: 63/336,027 32: 2022-04-28
54: METHOD AND COMPOSITION OF SYNERGISTIC HERBICIDAL MIXTURES
00: -
The present invention provides a method of use and a synergistic herbicidal composition comprising: (a) the compound spliceostatin C; (b) an effective amount of one or more plant nutrients; and (c) at least one of a carrier, diluent, surfactant, adjuvant, wherein the composition inhibits growth of said weed.



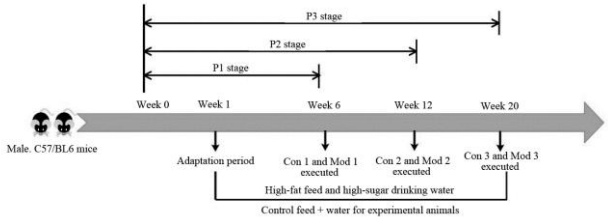
21: 2024/07682. 22: 2024/10/10. 43: 2025/04/29
51: A61K
71: Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences

72: SI Nan, JIANG Shan, BIAN Baolin, ZHAO Haiyu, WANG Hongjie, WEI Xiaolu, ZHOU Yanyan

54: APPLICATION OF PENTOSE PHOSPHATE PATHWAY INHIBITORS IN PREPARING MEDICINES FOR TREATING NONALCOHOLIC STEATOHEPATITIS

00: -

The invention discloses an application of pentose phosphate pathway inhibitors in preparing medicines for treating nonalcoholic steatohepatitis, and belongs to the field of biomedicine. The invention provides an application of pentose phosphate pathway inhibitors in preparing medicines for treating nonalcoholic steatohepatitis, where the pentose phosphate pathway inhibitors include small molecular compounds, nucleic acid molecules, proteins or coding sequences thereof. According to the invention, by establishing a NASH model, the differential metabolites of mice in the normal group and the model group are studied by metabonomics, and KEGG pathway enrichment analysis is carried out, and finally, the pentose phosphate pathway is found to be closely related to the occurrence and development of NASH, thus providing a new idea for the clinical treatment of NASH.

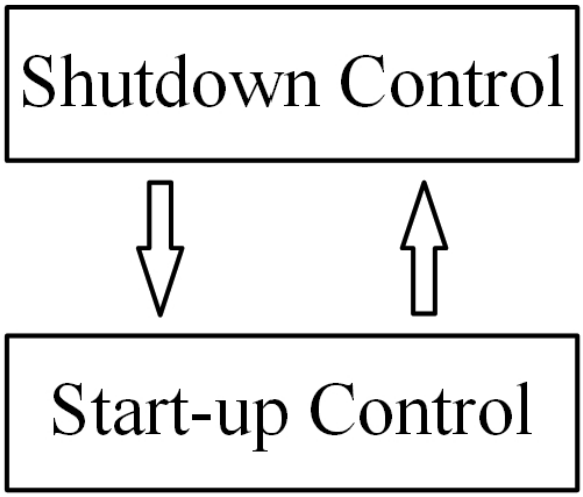


21: 2024/07687. 22: 2024/10/10. 43: 2025/04/14
51: H02J
71: SHANDONG HUADIAN ENERGY CONSERVATION TECHNOLOGY CO., LTD.
72: LI, Junfei, LUO, Bing, LIU, Guangyao
33: CN 31: 2024100956911 32: 2024-01-23

54: METHOD AND SYSTEM OF ENERGY-SAVING CONTROL OF PHOTOVOLTAIC POWER STATIONS BASED ON MULTI-DIMENSIONALITY

00: -

The present invention provides a method and system of energy-saving control of photovoltaic power stations based on multi-dimensionality, comprising a shutdown control process and a start-up control process, wherein in specific control, the start-up control system firstly judges whether the power distribution switch state meets preset conditions; then sequentially judges the illumination intensity, the power grid voltage, the line current and the like; finally, determines whether to control the photovoltaic power generation and transformation unit to stop running by judging whether the acquired line current meets the preset current condition, or determines whether to control the photovoltaic power generation and transformation unit to start running by judging whether the acquired photovoltaic voltage meets the preset photovoltaic voltage condition, so that the automatic stop-start switching operation is realized, and no-load loss is reduced. In addition, the present invention comprehensively considers parameters under multi-dimensions such as switch state, illumination intensity, grid voltage, line current, photovoltaic voltage and the like, can achieve accurate switching between no-load loss and normal power generation operation, improve the energy-saving effect of the photovoltaic power stations.



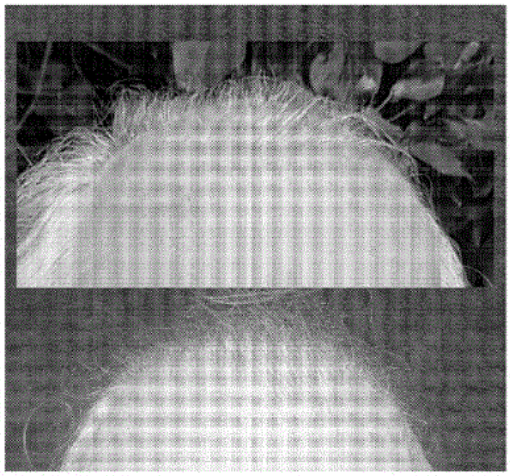
21: 2024/07691. 22: 2024/10/10. 43: 2025/04/14
51: A61K; A61P; A61Q
71: JOHN HEMMING TRADING LTD
72: HEMMING, John
33: GB 31: 2205525.5 32: 2022-04-14
33: GB 31: 2209046.8 32: 2022-06-20
33: GB 31: 2219693.5 32: 2022-12-23

54: CELL DIFFERENTIATION

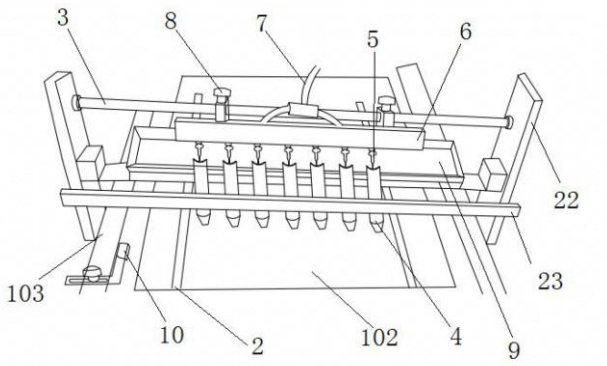
00: -

The invention relates to methods for promoting and maintaining cell differentiation and gene expression in a subject, and ensuring that longer genes are able to function, the method comprising administering

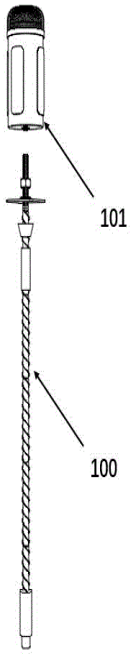
citrate to a subject. The invention also relates to compositions for use in said methods.



21: 2024/07703. 22: 2024/10/11. 43: 2025/04/29
51: A01K
71: Guangdong Institute of Tobacco Science, Guangdong Tobacco Shaoguan Co., Ltd, China National Tobacco Corporation, Hainan
72: DENG, Haibin, CHEN, Dexin, HU, Yan
54: FEEDING MACHINE FOR PREYING ON STINK BUGS
00: -
This invention discloses a predator bug feeding machine, which falls within the field of predator bug rearing technology, mainly comprising a feeding tray with multiple breeding holes for storing predator bugs and a feeding machine main body. The feeding machine main body includes a pest food tray and a suction and discharge device, and the suction and discharge device is connected to a driving device that moves the suction and discharge device to the top of the pest food tray to suck pest food and can also move the suction and discharge device to the top of the breeding tray to release pest food into the breeding holes. This invention can achieve automatic feeding, with one predator bug in each breeding hole, to avoid predator bugs fighting and killing each other and ensure the survival quality of predator bugs..



21: 2024/07704. 22: 2024/10/11. 43: 2025/04/29
51: G01N
71: Henan University of Urban Construction
72: Yiju Tang, Sheng Liu, Fangchao Lu, Jing Liu, Ge Wang, Liguo Liu, Wenfei Wang, Xun Liu, Quan Lou, Bing Jia, Yongan Wang, Guoxi Tang, Yuanji Yu, Xingya Qi, Xiang Chen
54: MOUNTING STRUCTURE FOR THE PROBE OF A COAL-ROCK INSTABILITY FRACTURE MONITORING AND EARLY WARNING DEVICE
00: -
The invention discloses a mounting structure for a probe of a coal-rock instability fracture monitoring and early warning device. The mounting structure for the probe includes a housing, which is a cavity structure with a closed lower end. A threaded hole is provided at the bottom of the housing, matching the thread at the end of an anchor rod. An installation frame is arranged on the inner wall of the housing, and the early warning probe is installed on this frame. A clamping plate is arranged on the installation frame, with a spring fixed to it, positioned between the installation frame and the clamping plate. A support is provided at the lower end of the installation frame. This mounting structure offers a stable placement location for the monitoring probe through a housing that is threadedly connected to the anchor rod, allowing for relatively quick installation and removal. This design facilitates the relocation of monitoring points in line with construction progress. Additionally, the clamping plate, adjusted by the spring, can adapt to monitoring probes of different sizes, enhancing the applicability of the device.

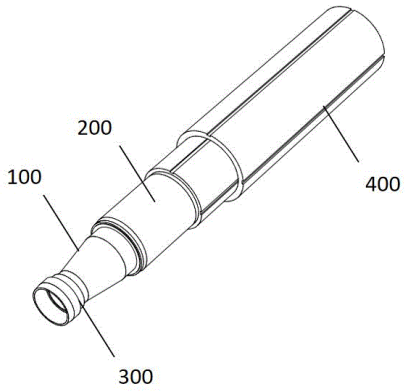


21: 2024/07705. 22: 2024/10/11. 43: 2025/04/29
51: G01N
71: Henan University of Urban Construction
72: Yiju Tang, Fangchao Lu, Sheng Liu, Jing Liu, Ge Wang, Wenfei Wang, Liguo Liu, Xun Liu, Quan Lou, Bing Jia, Yongan Wang, Guoxi Tang, Yuanji Yu, Xingya Qi, Xiang Chen

54: COAL-ROCK FRACTURE SEEPAGE WATER INFRARED RADIATION PROBE

00: -

The invention discloses a coal-rock fracture seepage water infrared radiation probe. The coal-rock fracture seepage water infrared radiation probe includes a photosensitive element, which comprises a light inlet body. A probe lens and a filter are arranged inside the light inlet body. The end port of the light inlet body is equipped with an outer ring thread, and a protective component is fitted over the light inlet body port. The protective component includes a protective sleeve, which is threadedly connected with the outer ring thread of the light inlet body. By using the photosensitive element and the protective component, the protective sleeve is spirally installed at the outer port of the light inlet body. In complex environments such as mines, dust and moisture are common issues. The installation of the protective sleeve effectively prevents these impurities from directly contacting the photosensitive element, ensuring the normal operation of the equipment. Additionally, the spirally installed protective sleeve facilitates subsequent disassembly and cleaning work.

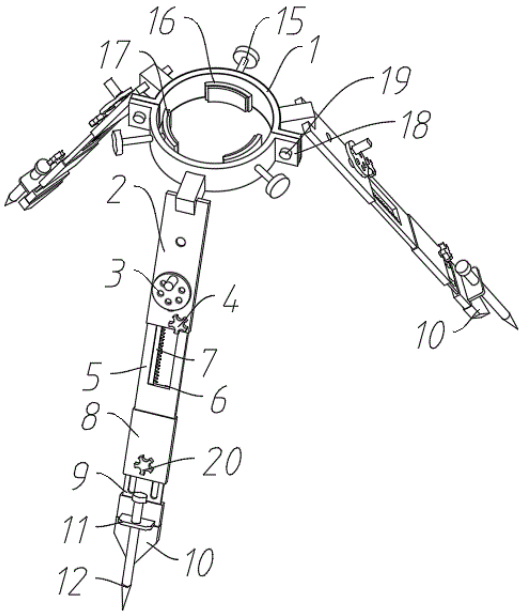


21: 2024/07709. 22: 2024/10/11. 43: 2025/04/29
51: A01G
71: TANGSHAN UNIVERSITY
72: CHEN Qiang, SUN Yu, LIU Sihan

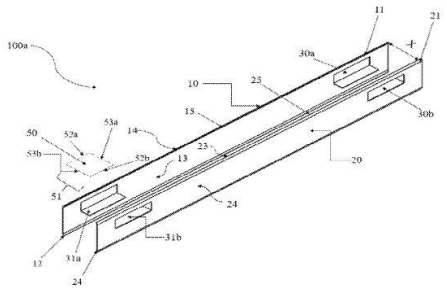
54: AUXILIARY PLANTING DEVICE FOR LANDSCAPES AND GARDENS

00: -

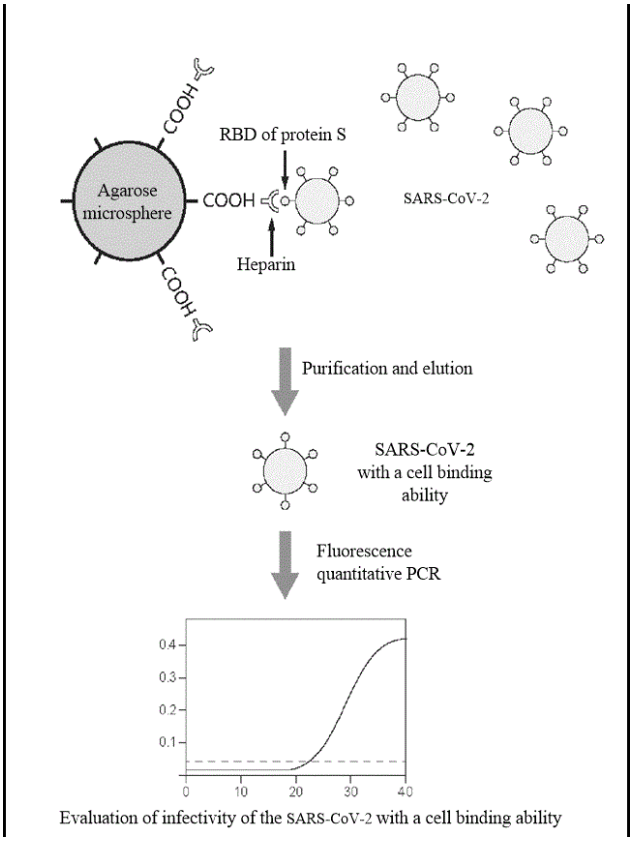
The invention belongs to the technical field of garden planting, and particularly relates to an auxiliary planting device for landscapes and gardens, including a fixed ring body, where the fixed ring body has a split structure, three clamping components for clamping tree trunks are arranged on the outer wall of the fixed ring body at equal intervals in the circumferential direction, three supporting mechanisms are hinged on the outer wall of the fixed ring body at equal intervals, each of the supporting mechanisms includes a fixed seat hinged on the fixed ring body, the fixed seat is slidably connected with a force applying component, the bottom end of the force applying component is connected with a connecting seat, the connecting seat is slidably connected with a sliding plate II, the connecting seat is provided with a limiting piece for limiting the sliding distance of the sliding plate II, and the bottom end of the sliding plate II is provided with an anchor component. The invention can improve the lodging resistance of newly transplanted trees and improve the survival rate.



21: 2024/07717. 22: 2024/10/11. 43: 2025/04/16
51: E04B; E04C
71: SAINT-GOBAIN PLACO
72: S, Kanakavel, S, Vikram
33: IN 31: 202141059764 32: 2022-06-21
54: A LIGHTWEIGHT CONSTRUCTION ELEMENT
00: -
A lightweight construction element is disclosed comprising a first and a second flange member 10, 20 each having front face 13, 23 facing each other and back face 14, 24 non-facing each other. The first flange member and the second flange member 10, 20 are aligned alongside each other at a distance X. Further, the lightweight construction element comprises a plurality of web members 50, whereby, the length of the plate portion 51 of web members 50 defines the spacing between the first flange member 10 and the second flange member 20. The plurality of web members 50 are physically coupled to the first and second flange members 10, 20 by attaching to either the front surface 13, 23, or the back surface 14, 24 of each flange member 10, 20, and are bent at an angle ranging between 90-110 degrees to the plate portion 51 along the attachment line 60. The plurality of web members 50 eliminate the need of a full length web and which results in reduction of metal usage and thus in turn reduced CO2 emission

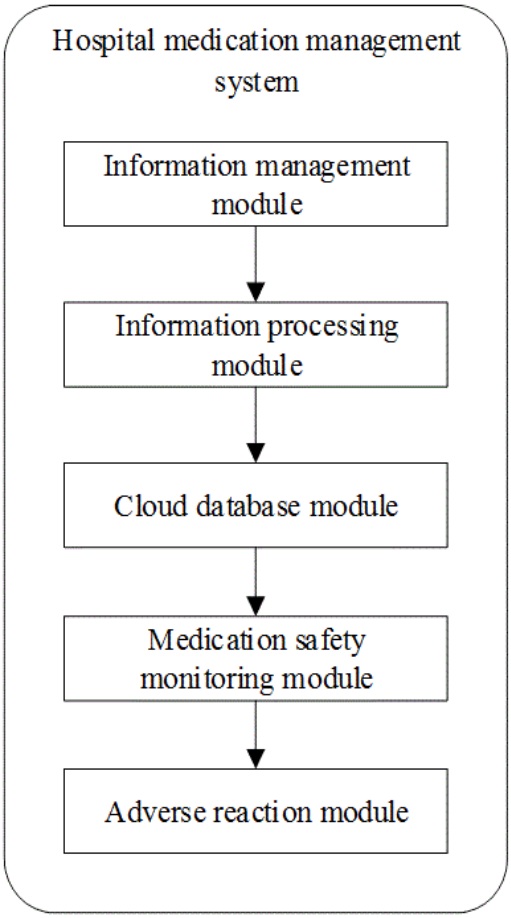


21: 2024/07723. 22: 2024/10/11. 43: 2025/04/16
51: C12Q; C12R; G01N
71: CENTRAL HOSPITAL OF MINHANG DISTRICT SHANGHAI
72: MENG, Zhefeng, DU, Ling
33: CN 31: 202211114309.4 32: 2022-09-14
54: METHOD FOR SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2) DETECTION ON BASIS OF RECEPTOR BINDING
00: -
The present disclosure provides a method for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) detection on the basis of receptor binding, including: subjecting crosslinked agarose as a matrix to surface carboxyl modification to obtain a magnetic agarose microsphere, and covalently coupling the magnetic agarose microsphere with a receptor protein to obtain a receptor protein-coupled magnetic agarose microsphere; allowing the receptor protein covalently binding to a surface of the receptor protein-coupled magnetic agarose microsphere to recognize and bind to a receptor-binding domain (RBD) of an outer membrane protein S of a SARS-CoV-2 sample, which simulates a binding process of the SARS-CoV-2 to a host cell to capture the SARS-CoV-2; subjecting the magnetic microsphere to washing, purification, and elution successively to obtain the SARS-CoV-2 with a cell binding ability; and detecting by an immunobinding-fluorescence quantitative polymerase chain reaction (PCR) combination, and evaluating infectivity and transmissibility of the SARS-CoV-2. The method is suitable for evaluating the replication and transmission of the SARS-CoV-2 in a patient infected with the SARS-CoV-2 during a treatment process and the infectivity of the SARS-CoV-2 carried by a patient with relapse symptoms after recovery.



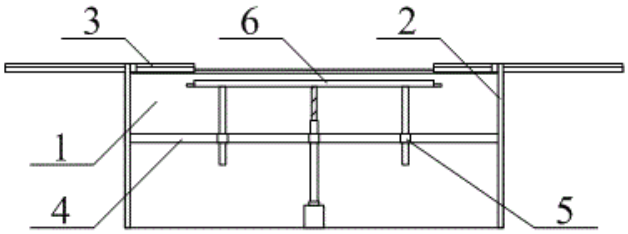
Evaluation of infectivity of the SARS-CoV-2 with a cell binding ability

21: 2024/07728. 22: 2024/10/11. 43: 2025/05/06
51: G06F
71: THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL)
72: GAO, Feifeng, LI, Nanxing, XIAO, Haiyan
54: HOSPITAL MEDICATION MANAGEMENT SYSTEM
00: -
Disclosed is a hospital medication management system, and comprises an information management module, an information processing module, a cloud database module, a medication safety monitoring module, and an adverse reaction module. According to the present disclosure, the hospital patient information is obtained by preprocessing the collected initial information of the hospital patient, the hospital patient information is converted into hospital patient data, hospital patient identity recognition is carried out through the stored hospital medication management data of the hospital patient, then the hospital patient is subjected to hospital medication compatibility reaction monitoring according to the hospital patient data to obtain a monitoring result, and finally the adverse reaction of the medicine is extracted according to the obtained monitoring result and adverse reaction processing is carried out, so that the medication safety management efficiency is improved, and the problem of low medication safety management efficiency in the prior art is solved.



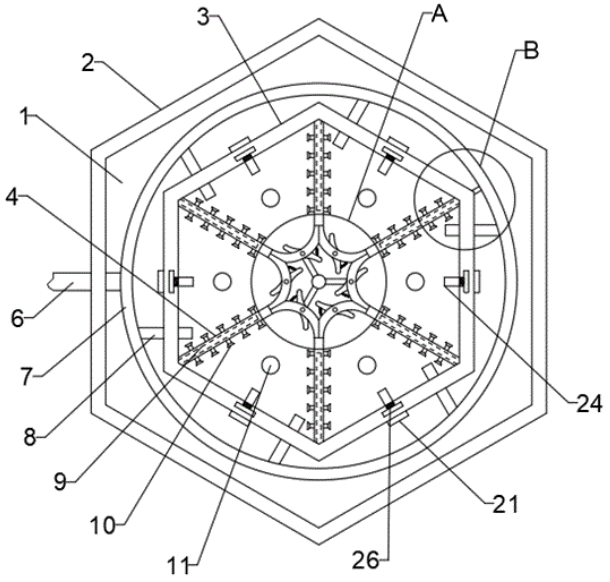
21: 2024/07748. 22: 2024/10/14. 43: 2025/05/06
51: A47B
71: Jiaxing Vocational & Technical College
72: KONG Xiangjin
54: TEACHING TABLE WITH VARIABLE DESKTOP AREA
00: -
The invention provides a teaching table with variable desktop area, which comprises a teaching table, wherein four corners of the teaching table are respectively welded with side limit strips, and is characterized in that the left and right sides of the upper part of the teaching table are respectively provided with adjustable extension frames; the middle position of the teaching table is welded with a

positioning plate; the positioning plates are respectively provided with positioning holes; the middle position inside the teaching table is provided with an adjustable bearing frame structure; a vibration isolator is arranged between the adjustable bearing frame structure and the adjustable extension frame structure. According to the invention, the lifting motor rotates outside the lifting screw through the lifting pipe, so that the height of the extension plate can be adjusted conveniently, and the storage area of the teaching table can be increased.



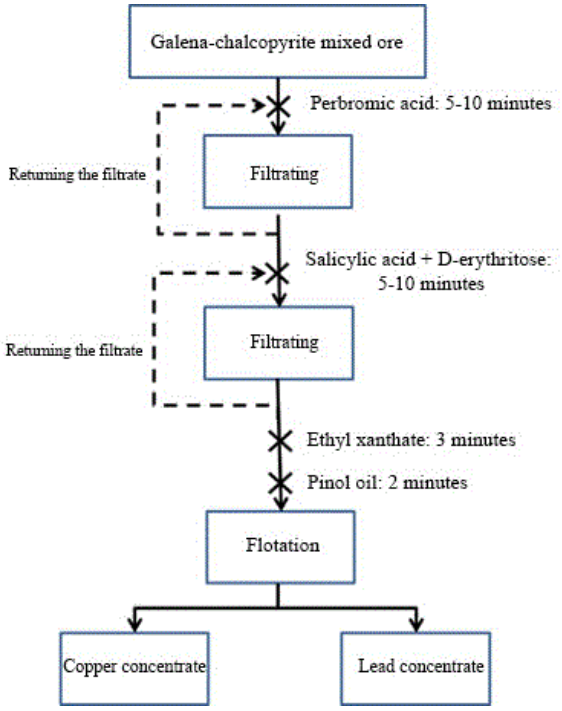
21: 2024/07751. 22: 2024/10/14. 43: 2025/04/16
51: B08B
71: Shanghai University of Medicine & Health Sciences
72: LI, Lanying, HUANG, Xiyuan
54: MEDICAL EQUIPMENT CLEANING DEVICE
00: -

The present invention is applicable to the field of medical technology, which provides a medical equipment cleaning device, comprising a base, an outer housing, an inner housing, a spray cleaning mechanism, horizontal material shifting mechanisms and a longitudinal material shifting mechanism, wherein the outer housing and the inner housing are installed on the upper surface of the base from the outside to the inside, and a plurality of partitions are distributed on the inner side of the inner housing, and the partitions are connected by an arc plate; the spray cleaning mechanism is arranged between the outer housing and the inner housing, to soak and spray the placed equipment; the horizontal material shifting mechanisms are installed on the arc plate, and the equipment is shifted during movement; the longitudinal material shifting mechanism is installed in the base and is transmission-connected with the horizontal material shifting mechanisms, so as to thoroughly clean all surfaces of the equipment; the cleaning device can classify the equipment and clean independently, which effectively avoids mixing of the equipment, and further prevents contact wear of the equipment, and can also continuously flip the equipment from multiple directions during cleaning, so as to clean each surface, and there is no dead angle for cleaning, which can ensures the quality of cleaning of the medical equipment.



21: 2024/07752. 22: 2024/10/14. 43: 2025/04/16
51: B03D
71: Rui Ma
72: Rui Ma, Qinbo Cao, Yanjun Li, Yan Yan, Haiyu Zhang
33: CN 31: 202410909993.8 32: 2024-07-08
54: A GALENA ORE COMBINATION INHIBITOR AND ITS APPLICATION THEREOF
00: -

The invention discloses a galena ore combination inhibitor and its application thereof, belonging to the technical field of mineral processing. The combination inhibitor comprises 10%-40% perbromic acid, 20%-40% salicylic acid, 40%-80% D-erythritose; The combined inhibitor can be used for flotation separation of galena ore and chalcopyrite ore. In the flotation separation process, the dosage of the combined inhibitor is 100-400g/t. When used, perbromic acid is added first and then salicylic acid and D-erythrose are added. After flotation separation, the recovery rate of galena is only 8%-10%, while the recovery rate of chalcopyrite is 85%-90%, which can effectively realize the separation of galena and chalcopyrite.

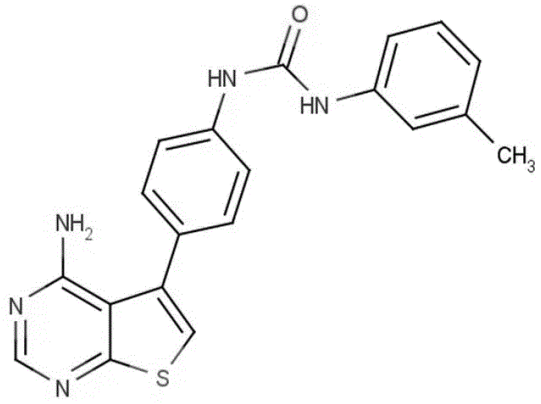


21: 2024/07764. 22: 2024/10/14. 43: 2025/04/24
51: C12Q
71: JIANGSU CANCER HOSPITAL
72: YU Rongling, CHEN Li, SHI Lingyun, ZHANG Liuliu, YU Xiaoyan

54: METHOD FOR DETERMINING SENSITIVITY OF NASOPHARYNGEAL CARCINOMA TO RADIOTHERAPY

00: -

The invention discloses a method for determining sensitivity of nasopharyngeal carcinoma to radiotherapy, and the molecular biomarker is Survivin. Determining Survivin as a molecular biomarker for the sensitivity of nasopharyngeal carcinoma to radiotherapy includes: step 1: literature review; step 2: cell line experiments; step 3: animal model experiments; step 4: clinical sample validation; step 5: statistical analysis; step 6: optimization of radiotherapy sensitivity assessment method; step 7: mechanism research; step 8: construction of radiotherapy sensitivity prediction model; and step 9: multi-center study validation. This invention improves the accuracy of radiotherapy sensitivity assessment in nasopharyngeal carcinoma, aiding doctors in formulating personalized treatment plans and enhancing treatment outcome prediction. It involves in-depth research on the role of Survivin in cancer and its relationship with radiotherapy, providing a scientific basis for effective treatment. The translation of experimental findings into clinical practice guides treatment decisions and promotes advancements in treatment standards. Mechanism studies reveal resistance mechanisms, offering a theoretical foundation for the design of new therapies and drug development, ultimately improving radiotherapy efficiency.



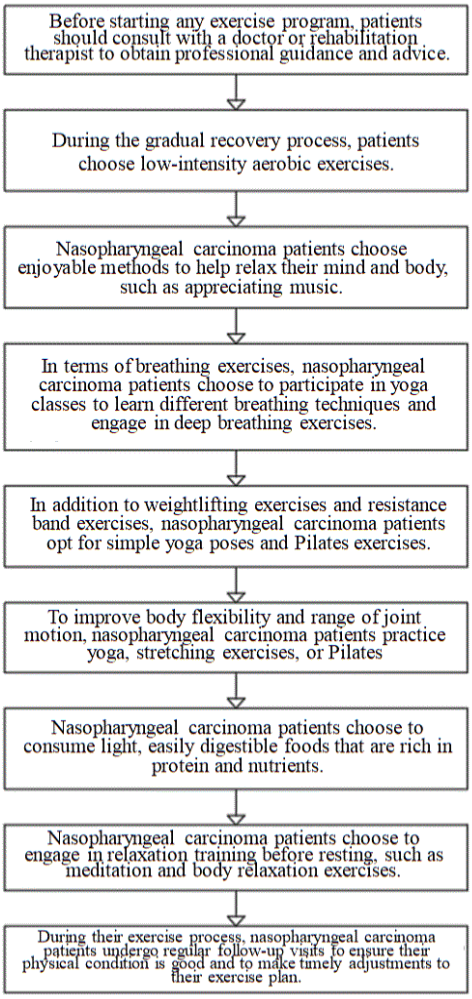
21: 2024/07765. 22: 2024/10/14. 43: 2025/04/24
51: A63B
71: JIANGSU CANCER HOSPITAL
72: ZHANG Hui, YU Rongling, LU Juan, SHI Lingyun

54: EXERCISE SUPPORT METHOD FOR NASOPHARYNGEAL CARCINOMA PATIENTS DURING RADIOTHERAPY

00: -

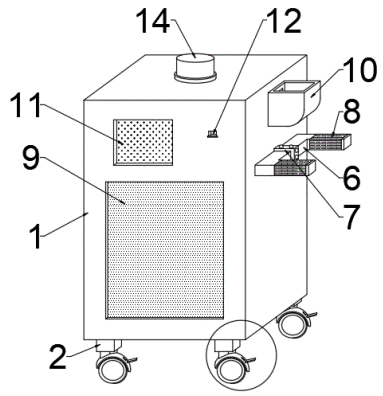
The invention relates to the field of exercise rehabilitation techniques for nasopharyngeal carcinoma patients during radiotherapy, and in particular to an exercise support method for nasopharyngeal carcinoma patients during radiotherapy. The support method includes: step 1: professional guidance; step 2: gradual recovery and adjustment; step 3: psychological state adjustment; step 4: breathing exercises; step 5: muscle training; step 6: flexibility training; step 7: dietary adjustments; step 8: adequate rest; and step 9: regular follow-up visits. The present invention provides professional guidance and personalized exercise programs to meet rehabilitation needs and prevent excessive fatigue. Low-intensity aerobic exercise and flexibility training promote physical recovery. It alleviates anxiety and enhances emotional well-being. Learning breathing techniques improves lung capacity and coordination. Yoga and Pilates strengthen the core muscle group, adjust body

posture, and improve flexibility. A light and easily digestible diet, along with relaxation training, fulfill nutritional and relaxation needs. Regular assessment and adjustment of exercise plans provide effective rehabilitation programs, making it highly applicable.



21: 2024/07766. 22: 2024/10/14. 43: 2025/04/24
51: A61M
71: JIANGSU CANCER HOSPITAL
72: CAO Zhenglan, YIN Lu
54: RECTAL SURGERY CLEANING DEVICE
00: -

The present invention discloses a rectal surgery cleaning device. When used, the supporting legs are employed to support the main body of the rectal surgery cleaning device, ensuring its stability. Typically, there are four supporting legs to ensure stability. The connecting legs are used to connect the supporting legs and the swivel wheel mechanism, allowing the device to maintain stability during movement. The swivel wheel mechanism is designed for convenient device mobility, as the swivel wheels may roll in all directions, enabling easy movement of the device. The swivel wheel locking mechanism is utilized to lock the swivel wheel mechanism, ensuring the stability of the main body of the rectal surgery cleaning device when it needs to be secured. The handle is provided for convenient movement and operation of the device. Medical personnel may grip the handle to easily move and adjust the position of the device. The handle is fixed in an appropriate position on the main body of the rectal surgery cleaning device using the fixed frame, facilitating operation.



21: 2024/07768. 22: 2024/10/14. 43: 2025/04/17
51: A61K; A61P
71: EIRGENIX, INC.
72: CHOU, Ching-Yi, WU, Tsan-Hui
33: US 31: 63/333,930 32: 2022-04-22
33: US 31: 63/333,935 32: 2022-04-22
54: PHARMACEUTICAL COMPOSITIONS CONTAINING ANTI-HER2 ANTIBODY FOR SUBCUTANEOUS ADMINISTRATION
00: -

The present invention discloses a stable liquid pharmaceutical formulations containing a high concentration of trastuzumab, pertuzumab or a mixture thereof for the convenient subcutaneous administration. Formulations of the present invention can be administered to treat cancer, such as breast cancer and metastatic gastric or gastroesophageal junction adenocarcinoma.

Heavy chain of trastuzumab: (449 a.a.) (SEQ ID NO: 2)

1	EVQLVESGGGLVQPGGSLRLSCAASGFNIKDTYIHWVRQA	40
41	PGKGLEWVARIYPTNGYTRYADSVKGRFTISADTSKNTAY	80
81	LQMNSLRAEDTAVYYCSRWGGDGFYAMDYWGQGTLVTVSS	120
121	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS	160
161	WNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQT	200
201	YICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGG	240
241	PSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW	280
281	YVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGK	320
321	EYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREE	360
361	MTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPV	400
401	LDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYT	440
441	QKSLSLSPG	

XX: VH domain (3-119)
(CDR1:23-35, CDR2:50-59, CDR3:97-109)
XX: CH1 domain (125-218)
XX: CH2 domain (241-340)
XX: CH3 domain (349-449)

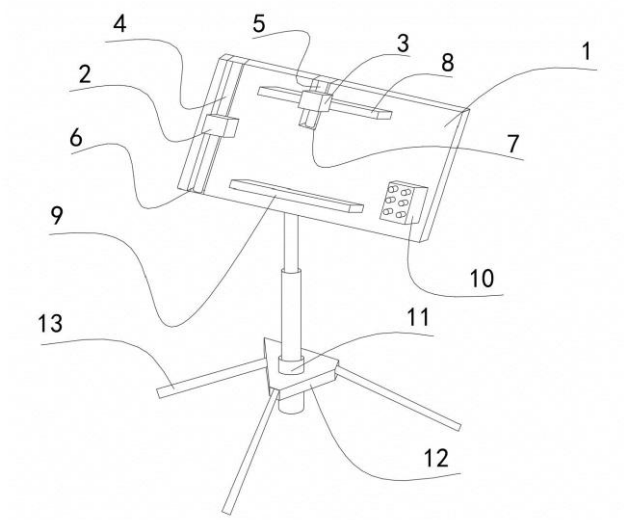
Light chain of trastuzumab: (214 a.a.) (SEQ ID NO: 1)

1	DIQMTQSPSSLSASVGDRVTITCRASQDVNTAVAWYQQKP	
41	GKAPKLLIYSASFLYSGVPSRFSGSRSGTDFTLTISSLQP	80
81	EDFATYYCQQHYTTPPTFGQGTKVEIKRTVAAPSVFIFPP	120
121	SDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQ	160
161	ESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQG	200
201	LSSPVTKSFNRGEC	

XX: VL domain (2-106)
(CDR1:24-34, CDR2:49-56, CDR3:89-97)
XX: CL domain (112-211)

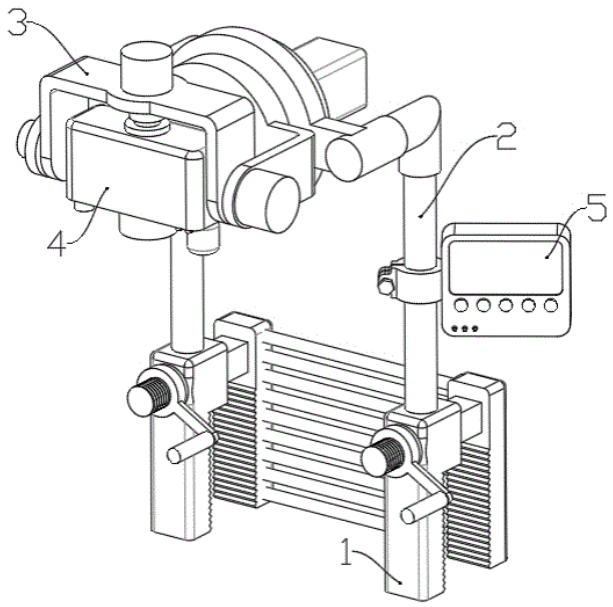
21: 2024/07786. 22: 2024/10/15. 43: 2025/04/17
51: A47B
71: Shijiazhuang University
72: Zhihui Yu
54: AUTOMATIC PAGE-TURNING MUSIC STAND
00: -

Disclosed is an automatic page-turning music stand, including a base plate, a page-fixing module, a page-turning module, a first sliding module, a second sliding module, a sliding plate and a limit plate, where the first sliding module includes a first sliding rod, a first groove and a first sliding block; the second sliding module includes a second sliding rod, a second groove and a second sliding block; the first groove is formed at the left side of the base plate, the second groove is formed in the middle of the base plate, the two ends of the first sliding rod are fixed inside the first groove, and the two ends of the second sliding rod are fixed inside the second groove; the first sliding block is provided with a first through hole, and the wall surface of the first through hole is slidably connected to the first sliding rod; the second sliding block is provided with a second through hole, and the wall surface of the second through hole is slidably connected to the second sliding rod; the page-fixing module is fixedly connected to the first sliding block; and one end of the sliding plate is fixedly connected to the second sliding block, and the other end thereof is fixedly connected to the page-turning module.



21: 2024/07792. 22: 2024/10/15. 43: 2025/04/17
51: A61B
71: The First Affiliated Hospital of Hebei North University
72: Xin Gu, Fei Ding, Jing An, Mingxue Zhang, Hongyan Zhang, Zhan Lou
54: A SLEEP STATE MONITORING DEVICE
00: -

The invention discloses a sleep state monitoring device, which is conveniently installed on the cloud platform of a bed through a clamping base, and the upper end of a supporting rod is connected with a three-degree-of-freedom cloud platform. The cloud platform allows precise adjustments in horizontal, vertical and roll directions to ensure that the monitoring component is always pointed at the user, and the monitoring component itself integrates a variety of high-precision sensors, including cameras, temperature probes, microphones, ultra-wideband bioradar modules and millimeter wave radar modules. These sensors work together to capture physiological parameters such as the user's body movement, breathing, body temperature, heart rate and voice in real time. The monitor computer is installed in the middle of the supporting rod, and the built-in information processing system analyzes and evaluates the collected data, displays the sleep monitoring data and analysis results on the display screen, and generates a sleep report including sleep quality score and sleep structure analysis, which can provide users with feedback and suggestions to improve sleep quality.

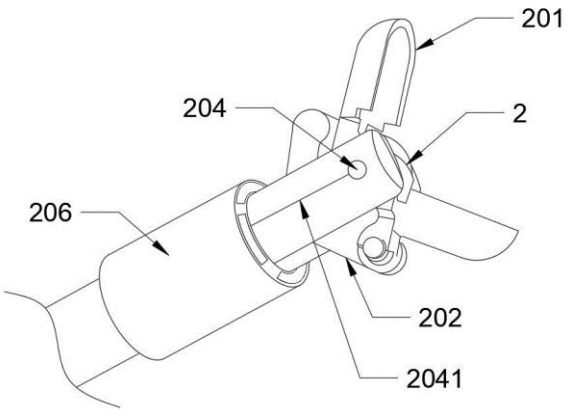


21: 2024/07793. 22: 2024/10/15. 43: 2025/04/17
51: A61B
71: The First Affiliated Hospital of Hebei North University
72: Bu Wang, Fei Ding, Xin Gu, Mingxue Zhang, Jianfeng Yang, Baoli Xiang, Jianhua Liu

54: A BRONCHOSCOPIC BIOPSY DEVICE FOR PERIPHERAL PULMONARY LESIONS

00: -

The invention relates to the technical field of medical instruments, in particular to a bronchoscopic biopsy device for peripheral lung lesions. It includes bronchoscope, biopsy forceps; The pole part of the biopsy forceps is provided with a working component for marking or treatment; The working component is cylindrical and connected with the rod part of the main structure of the biopsy forceps; The top or side wall of the working component is provided with a spraying port, and the inner wall of the working component is provided with a micro steering machine on both sides so that the working component can slide on the outer wall of the biopsy forceps bar part. The sliding structure of the working component and the biopsy forceps bar part is adopted by the invention, so that the doctor can easily move the working component to the required position for spraying or marking by controlling the micro-steering machine after completing the biopsy. This integrated design greatly reduces the time wasted due to equipment switching and ensures the efficiency of the surgery.

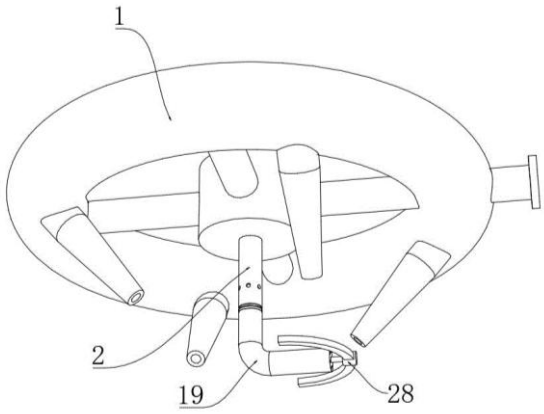


21: 2024/07794. 22: 2024/10/15. 43: 2025/04/17
51: B01D
71: Xingzhi College Zhejiang Normal University
72: Ting Wu, Zhao Gao, Man Yu, Xiaozhong Li, Hansong Chen, Jianping Qiu, Yanhong Tu

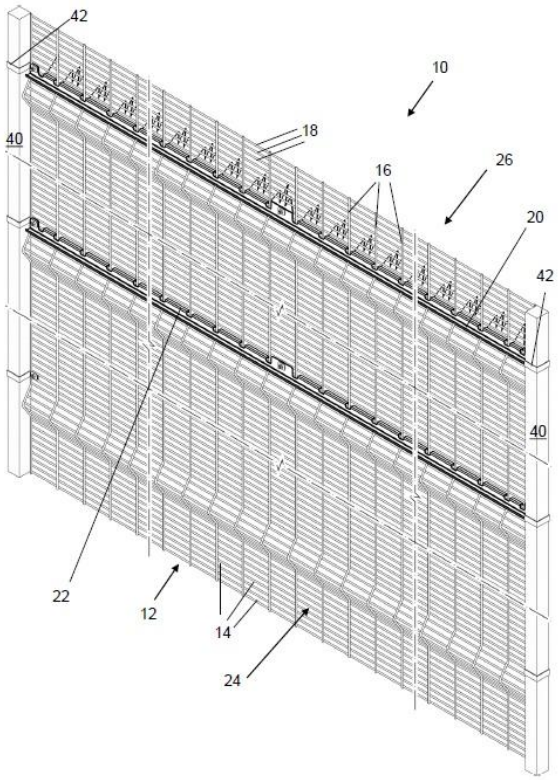
54: A SHAFTLESS FLOATING DRUM MIXER BASED ON PNEUMATIC STIRRING

00: -

The invention relates to the technical field of mixers, specifically to a shaftless floating drum mixer based on pneumatic stirring. It comprises a floating drum body, with multiple aeration pipes fixedly connected to the bottom end of the floating drum body. A placement groove is set inside the middle of the aeration pipe, and a cleaning brush is slidably connected inside the placement groove. The bottom end of the cleaning brush is fixedly connected to multiple connecting rods, and the bottom end of the connecting rods is fixedly connected to push plates. The beneficial effect is that by installing a cleaning brush inside the aeration pipe, when the aeration pipe becomes blocked, the internal pressure of the aeration pipe increases, pushing the cleaning brush to slowly move downward, thereby cleaning the air outlet holes of the aeration pipe. This allows the exhaust gas to be discharged quickly in a short time, causing some bubbles to rotate and extending the residence time of the bubbles in the absorption liquid, thus increasing the height of the bubbling layer in the absorption tower and intensifying the disturbance between the gas and liquid, thereby improving the stirring effect.

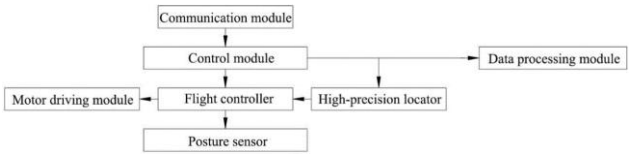


21: 2024/07796. 22: 2024/10/15. 43: 2025/04/17
51: E04H
71: GUARDIAR SOUTH AFRICA (PTY) LTD
72: VAN DER BERG, Paul Michael, VAN DER WALT, Tjaart
33: ZA 31: 2023/10125 32: 2023-10-31
54: FENCING ASSEMBLY WITH STIFFENING ELEMENT
00: -
Disclosed is a fencing assembly comprising a fencing panel formed of wire strands and one or more stiffening elements extending across the fencing panel. A stiffening element may include a rail that has a set of projections or fingers spaced apart along its length. The projections are configured to extend through gaps in the wire strands of the fencing panel. Preferably, the projections include arched portions by which the stiffening element can hook onto the fencing panel. One or more attachment flanges may be provided by which the rail is attached across the fencing panel on one side thereof.

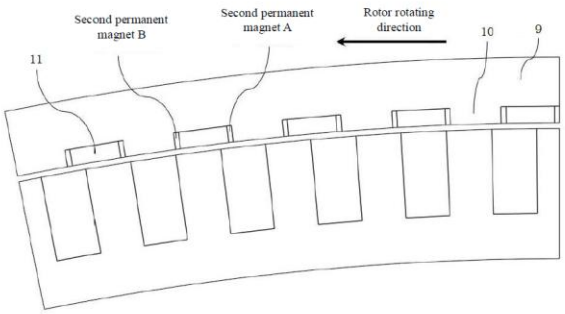


21: 2024/07800. 22: 2024/10/15. 43: 2025/04/30
51: B64C
71: JIAXING VOCATIONAL AND TECHNICAL COLLEGE
72: ZHANG, Yunhui
54: MULTI-ROTOR WING AUTOMATIC CONTROL UNMANNED AERIAL VEHICLE SYSTEM
00: -
The present invention discloses a multi-rotor wing automatic control unmanned aerial vehicle system, including an unmanned aerial vehicle body configured for being equipped with electronic elements and ensuring the unmanned aerial vehicle to complete various tasks, a control module configured for calculating a motion instruction of the unmanned aerial vehicle according to a preset flight path, and a data processing module configured for monitoring the flight state of the unmanned aerial vehicle in real time and generating a flight log. In the present invention, the precise position tracking and navigation of the unmanned aerial vehicle improves the flight precision and stability of the unmanned aerial vehicle. Through the processing of the control module, the unmanned aerial vehicle can precisely perform various flight actions and posture adjustment, and the efficient operation of the data

processing module can help the user to master the operation conditions of the unmanned aerial vehicle.



21: 2024/07802. 22: 2024/10/15. 43: 2025/04/22
51: H02K
71: ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: Hui WEN, Shuqi GE
54: ALTERNATING-POLE VERNIER PERMANENT MAGNET MACHINE
00: -
The present invention belongs to the technical field of electrical machines, and particularly relates to an alternating-pole vernier permanent magnet machine. The alternating-pole vernier permanent magnet machine includes a stator and a rotor arranged outside the stator. An air gap is formed between the stator and the rotor; the stator includes a stator iron core and a stator winding arranged on the stator iron core; the stator iron core includes stator teeth and a stator yoke, and the stator teeth and the stator yoke form a stator slot for accommodating the stator winding; a rotor iron core includes rotor teeth and a rotor yoke, and the rotor teeth and magnetic pole units are alternately distributed in a circumferential direction to form an alternating pole structure. According to the present invention, under a condition that torque density is basically unchanged or improved, a use amount of permanent magnets in a vernier permanent magnet machine can be reduced, so as to effectively reduce cost of the vernier permanent magnet machine, and besides, a moderate power factor is obtained, thereby facilitating application of a large vernier permanent magnet machine.



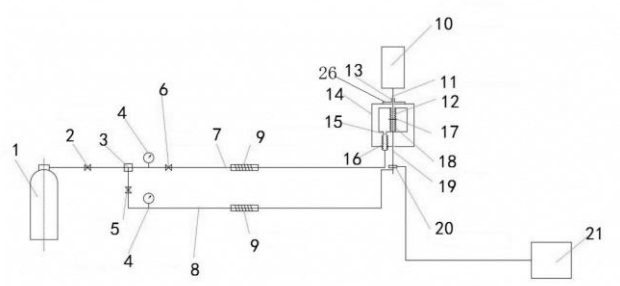
21: 2024/07808. 22: 2024/10/15. 43: 2025/04/22
51: B01D
71: Chuxiong Dianzhong Nonferrous Metals Co., Ltd
72: Hongquan HUA, Bo SHU, Junxiang REN, Jianguang HUANG, Lei ZHANG, Jianqiang LIU, Dafang LIU
33: CN 31: 202310930327.8 32: 2023-07-27
54: SULPHURIZED METHOD FOR REMOVING MERCURY FROM PYROMETALLURGICAL FLUE GAS
00: -
The present disclosure relates to a sulphurized method for removing mercury from pyrometallurgical flue gas. The sulphurized method for removing mercury from pyrometallurgical flue gas comprises the steps: using an atomized soluble sulfide aqueous solution as a mercury removal agent; and spraying the mercury removal agent into a flue between a dry dust removal device and a gas scrubbing device or a wet dust removal device, wherein under a condition that a temperature of a flue gas in the flue is greater than 120°C, a gas-phase reaction occurred between the mercury removal agent and the flue gas to convert a mercury in the flue gas into a mercuric sulfide. Using this method to treat mercury in pyrometallurgical flue gas results in excellent mercury removal efficiency while allowing for direct integration with the existing process flow. Moreover, the raw materials for the mercury removal agent are readily available.

21: 2024/07809. 22: 2024/10/15. 43: 2025/04/22
51: G01M
71: SHENYANG ACADEMY OF INSTRUMENTATION SCIENCE CO., LTD
72: CHEN, Yang, SUN, Ke, YIN, Bo, ZHENG, Hao, ZHANG, Quanhou, ZHANG, Wenliang, FENG, Yanchun, SONG, Linhong, YU, Xianglin
33: CN 31: 202310884649.3 32: 2023-07-19

54: MEASURING DEVICE FOR FATIGUE LIFE OF REFRACTORY-METAL ELASTIC ELEMENT

00: -

Disclosed is a measuring device for fatigue life of a refractory-metal elastic element. A movable rod is inserted into a pressure-bearing cavity, and the movable rod is connected to a driving mechanism. One end of a fixed rod extends into the pressure-bearing cavity, the refractory-metal elastic element is arranged between the fixed rod and the movable rod, and the other end of the fixed rod extends out of the pressure-bearing cavity and a heating furnace, and is connected to vibration frequency detection sensors. The fixed rod is internally provided with a pressurizing channel, an end wall of the fixed rod is provided with a pressurizing port, the position of the fixed rod located outside the heating furnace is provided with an internal pressure interface, and a side wall of the pressure-bearing cavity is provided with an external pressure interface in communication with the inside of the pressure-bearing cavity.



21: 2024/07821. 22: 2024/10/15. 43: 2025/05/06

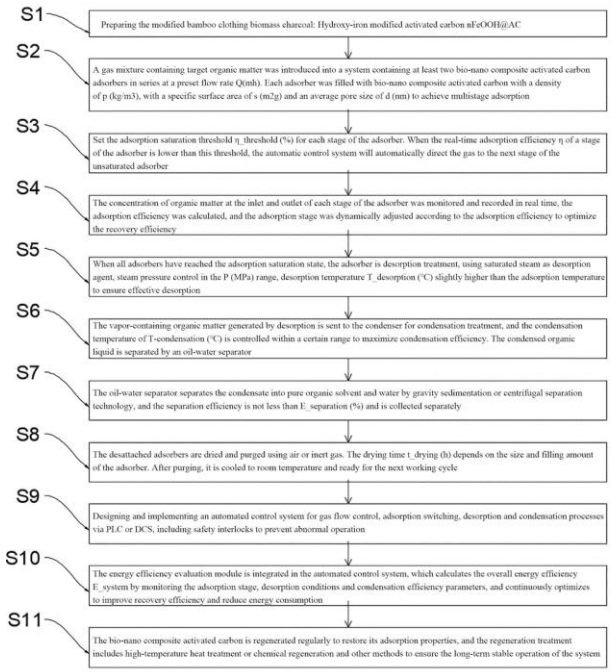
51: B01D

71: Xingzhi College Zhejiang Normal University

72: Ting Wu

54: A MULTI-STAGE ADSORPTION RECOVERY METHOD FOR ORGANIC GAS BY BIO-NANO COMPOSITE ACTIVATED CARBON

00: -



21: 2024/07822. 22: 2024/10/11. 43: 2025/05/06

51: A45D

71: Mpact Limited

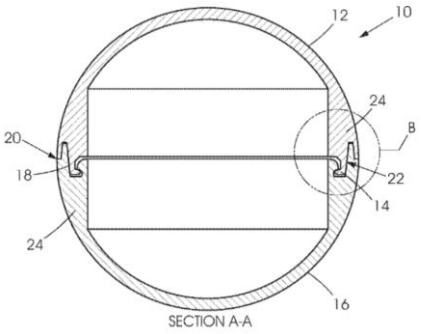
72: HULME-JONES, Graeme Edward

33: ZA 31: 2022/03004 32: 2022-03-14

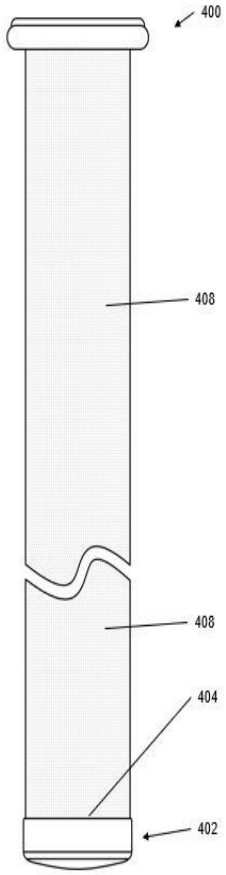
54: ROLL-ON APPLICATOR BALL

00: -

The invention relates to a roll-on applicator ball (10) suitable for direct installation within an applicator once the ball (10) has been assembled without requiring any post-processing. The ball (10) includes an upper half shell (12) and a lower half shell (16) that are snap-fit together. The upper half shell (12), has a tongue formation (14) in its mating surface (12.1), which includes a complementary snap-fit formation (14.1) by means of which the upper half shell (12) is snap-fitted to the lower half shell (16) during assembly. The lower half shell (16) has a groove formation (18) in its mating surface (16.1), which is complementary to the tongue formation (14) in that it includes a complementary snap-fit formation (18.1). The tongue (14) and groove formations (18) are configured to maintain ball sphericity and watertight engagement between the half shells (12), (16), once the ball (10) is assembled.

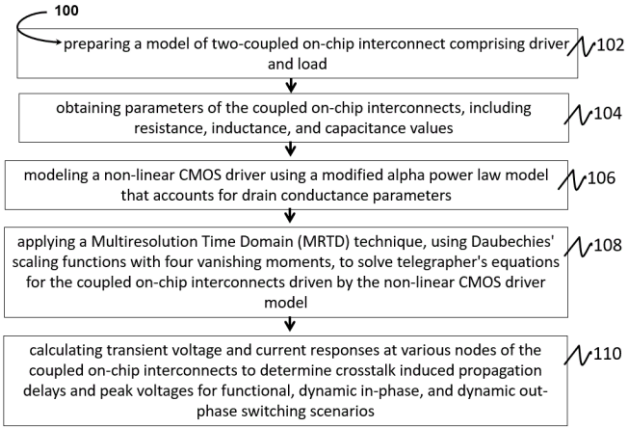


21: 2024/07828. 22: 2024/10/16. 43: 2025/04/22
51: B01D
71: SCHEWITZ, Larry
72: SCHEWITZ, Larry
54: FILTER SLEEVE FOR A LIQUID FILTER ELEMENT
00: -
A filter sleeve for a liquid filter element is disclosed. The filter sleeve has a tube formed of a liquid permeable material with the tube configured to fit over an elongate liquid filter element. One end of the tube is provided with an end cap assembly which closes the end of the tube. The end cap assembly has formations for gripping the material of the tube and the formations are consistent with a width of the tube so as to maintain a shape of the tube along its length.



21: 2024/07831. 22: 2024/10/16. 43: 2025/04/22
51: H01L
71: Prof. Rajendra Naik Bhukya, Dr. Bhaskar Gugulothu
72: Prof. Rajendra Naik Bhukya, Dr. Bhaskar Gugulothu
54: A METHOD AND SYSTEM FOR ANALYZING CROSSTALK NOISE IN COUPLED ON-CHIP INTERCONNECTS
00: -
This invention relates to a system and method for accurately modeling and analyzing crosstalk effects in coupled on-chip interconnects using a Daubechies scaling function-based multi-resolution time-domain (MRTD) technique. The MRTD model incorporates a non-linear CMOS driver characterized by a modified alpha-power law that accounts for drain conductance, enabling realistic representation of driver behavior during transients. The model generates an MRTD formulation for two mutually coupled interconnect lines using Daubechies scaling functions with four vanishing moments as basis functions. Interconnect parameters like resistance, capacitance, inductance, and coupling effects are

considered based on technology specifications. Boundary conditions simulate real operating scenarios. The MRTD model offers improved accuracy over conventional FDTD approaches by mitigating numerical dispersion. Results are validated against FDTD models and HSPICE simulations, ensuring reliability for crosstalk analysis in advanced integrated circuits.

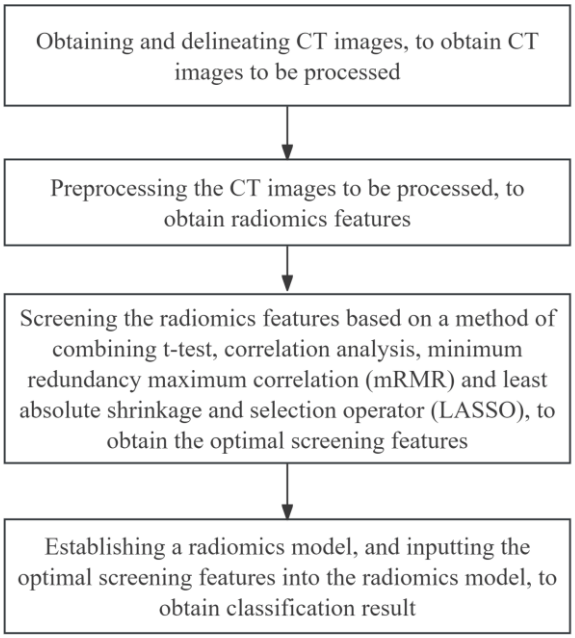


21: 2024/07832. 22: 2024/10/16. 43: 2025/04/22
51: A61P
71: PEKING UNIVERSITY SCHOOL OF STOMATOLOGY
72: LI, Tiejun, ZHANG, Aobo, SUN, Lisha, ZHANG, Heyu, SUN, Zhipeng, ZHAO, Junru, WANG, Shuo, XUE, Jiang, ZHANG, Wenyi

54: CLASSIFICATION METHOD AND SYSTEM FOR GNATHIC FIBROUS DYSPLASIA AND OSSIFYING FIBROMA

00: -

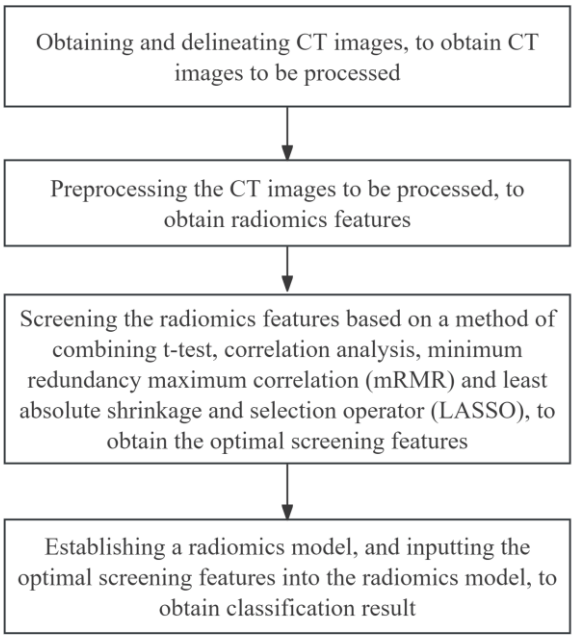
The present invention discloses a classification method and system for gnathic fibrous dysplasia and ossifying fibroma, which belongs to the technical field of head and neck disease classification. The method includes obtaining and delineating computed tomography (CT) images, to obtain CT images to be processed; preprocessing the CT images to be processed, to obtain radiomics features; screening the radiomics features based on a method of combining t-test, correlation analysis, minimum redundancy maximum correlation (mRMR) and least absolute shrinkage and selection operator (LASSO), to obtain the optimal screening features; and establishing a radiomics model, and inputting the optimal screening features into the radiomics model, to obtain classification results. The present invention adopts a method of combining the t-test, correlation analysis, mRMR and LASSO to ensure the final screening features are sufficiently effective, and can automatically obtain disease classification results based on the optimal screening features, thereby improving the accuracy of classification.



21: 2024/07832. 22: 2024/10/16. 43: 2025/04/22
51: A61P
71: PEKING UNIVERSITY SCHOOL OF STOMATOLOGY
72: LI, Tiejun, ZHANG, Aobo, SUN, Lisha, ZHANG, Heyu, SUN, Zhipeng, ZHAO, Junru, WANG, Shuo, XUE, Jiang, ZHANG, Wenyi
54: CLASSIFICATION METHOD AND SYSTEM FOR GNATHIC FIBROUS DYSPLASIA AND OSSIFYING FIBROMA
00: -

The present invention discloses a classification method and system for gnathic fibrous dysplasia and ossifying fibroma, which belongs to the technical field of head and neck disease classification. The method includes obtaining and delineating computed tomography (CT) images, to obtain CT images to be processed; preprocessing the CT images to be processed, to obtain radiomics features; screening the radiomics features based on a method of combining t-test, correlation analysis, minimum redundancy maximum correlation (mRMR) and least absolute shrinkage and selection operator (LASSO), to obtain the optimal screening features; and

establishing a radiomics model, and inputting the optimal screening features into the radiomics model, to obtain classification results. The present invention adopts a method of combining the t-test, correlation analysis, mRMR and LASSO to ensure the final screening features are sufficiently effective, and can automatically obtain disease classification results based on the optimal screening features, thereby improving the accuracy of classification.



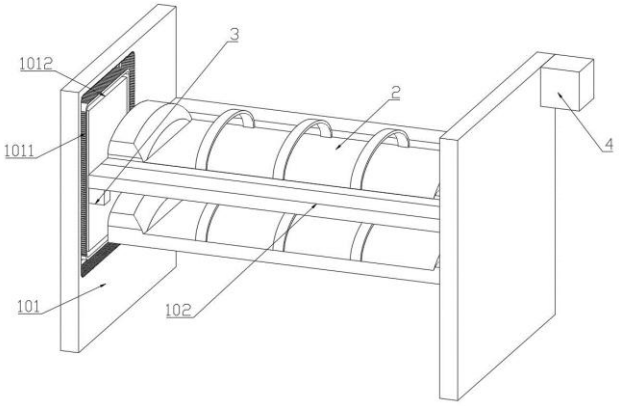
21: 2024/07854. 22: 2024/10/16. 43: 2025/04/23
51: A61K
71: THE THIRD AFFILIATED HOSPITAL, GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU MEDICAL CENTER FOR CRITICAL PREGNANT WOMEN; GUANGZHOU ROUJI HOSPITAL)
72: HUANG, Jionghua, JIANG, Zhuoqiao
54: ANTI-ATHEROSCLEROTIC NANOPARTICLE BASED ON DTRIM24 BIOCOMPATIBILITY
00: -
The present application relates to the technical field of nanocapsules for medical preparations, in particular to an anti-atherosclerotic nanoparticle based on dTRIM24 biocompatibility, which includes nanoparticles and M1 macrophage membrane vesicles. The nanoparticles are coated with the M1 macrophage membrane vesicles by using a microfluidic photoperforated chip. The nanoparticles are obtained by combining dTRIM24 and Fe3O4 magnetic nanoparticles. The biomimetic nanoparticle of the present application reasonably solves the problems of poor specificity and low efficiency, and improves the targeting property and biological homology of anti-atherosclerotic plaques.

21: 2024/07855. 22: 2024/10/16. 43: 2025/04/23
51: A61K
71: Shenzhen AntiV Pharma Co., Ltd.
72: LI Shuo, LI Guanguan, LIU Xinjun
33: CN 31: 202210354088.1 32: 2022-04-06
54: COMPOSITION, METHOD FOR PREPARING SAME, AND USE THEREOF
00: -
The present invention relates to the field of pharmaceutical formulations, and particularly, to a composition, a method for preparing same, and use thereof. The composition comprises ATV014 compound and a pharmaceutically acceptable excipient. The composition features good stability, high dissolution rate and high bioavailability, and can be used for preventing, ameliorating or treating a coronavirus infection or the replication or reproduction of homologous virus variants thereof and the cytopathic effect caused by same.

21: 2024/07871. 22: 2024/10/17. 43: 2025/04/23
51: A01G; A01K
71: Shanghai Academy of Agricultural Sciences, Shanghai Ying Tun Agricultural Technology Company, Limited
72: Wenzong Zhou, Weiwei Lv, Quan Yuan, Weiwei Huang, Hang Yang, Yaqin Liu, Yichen Qiu
54: METHOD OF MONOPTERUS ALBUS ZUIEW REPRODUCE IN SHALLOW WATER WITHOUT SOIL
00: -
The invention discloses a method of Monopterus albus Zuiew reproduce in shallow water without soil, includes the following steps: an open cage with an area of more than 15 square meters was set in the pond or greenhouse, and a round pile of pink and green fox tail algae was placed every 1.5m in the cage. Two parents of Monopterus albus Zuiew were placed in each pile of pink and green fox tail algae, and mixed bait was fed every 2 to 3 days. The Monopterus albus Zuiew seedlings attached to the root system of water flos can be removed from the cage for separate cultivation. The invention expands the area of breeding cage of Monopterus albus

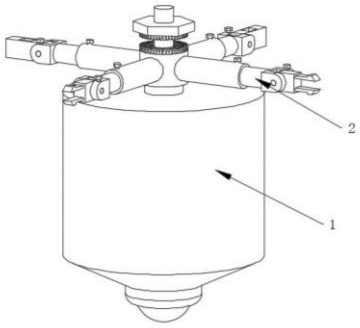
Zuiew, uses pink and green levirin instead of soil as the nest of Monopterus albus Zuiew, increases the number of parents of Monopterus albus Zuiew in the cage, greatly improves the success rate of parental mating of Monopterus albus Zuiew, and uses the rich root system of pink and green levirin to reduce the stress response of parents, so as to get rid of the influence of bad weather and increase the number of reproduction. It has the characteristics of convenient operation, wide range of adaptation, large amount of seedling emergence per unit area and high economic benefit.

21: 2024/07873. 22: 2024/10/17. 43: 2025/04/23
51: A61G
71: The First Affiliated Hospital of Hebei North University
72: Fang Zou, Bu Wang, Zhihua Zhang, Cuiling Wen, Kailun Xu, Hongxia Zhang, Xiaocui Peng
54: A BODY POSITION ADJUSTING DEVICE FOR PATIENTS WITH SEVERE RESPIRATORY DISEASE
00: -
The invention discloses a body position adjusting device for patients with severe respiratory disease. It includes the bed body; A vertical plate is arranged symmetrically on both sides of the bed, a square hole is arranged in the middle of the bed, and an air pump is arranged at the lower end of one side of the bed. A gear groove is arranged on the straight plate to install two turning mechanisms, and a limit groove is arranged on the wall body of the straight plate measured in the gear groove; The turning mechanism comprises a replacement plate, a motor i and a motor ii; A pillow is arranged symmetrically on the replacement plate, and a ligature is arranged on the array on the replacement plate; The lower end of the pillow is provided with a mounting slot to rotate the motor i, and the rear end of the mounting slot is provided with a tooth ring to connect the motor ii; The motor i output shaft can be disassembled and connected with gear column, the upper end of the motor i housing can be disassembled and connected with motor ii, and the side wall of the motor i housing is provided with a limit rod; The gear column is movable and installed in the gear groove; The limit rod is inserted in the limit groove; Driving the gear column to rotate by controlling the motor and drive the replacement plate to move along the gear groove; The replacement plate is driven to rotate around the output shaft of the motor by controlling the motor ii operation.



21: 2024/07874. 22: 2024/10/17. 43: 2025/04/23
51: A61H
71: The Affiliated Hospital to Changchun University of Chinese Medicine (Jilin Provincial Hospital of Traditional Chinese Medicine)
72: Yufeng Wang, Li Dong, Tingting Pang, Ailin Li, Jiangchun Zhang, Na Zhang, Jiayue Xu, Dongze Wu, Mingjun Jiang
54: A FUNCTIONAL UNIT OF A MATRIX MASSAGE DEVICE
00: -
The invention discloses a functional unit of a matrix massage device in the technical field of health care equipment, comprising a massage device, the upper end surface of the massage device is fixedly connected with a connecting device, and two groups of the connecting device are used for fixing two groups of adjacent massage devices, the massage device comprises a shell. The interior of the shell is provided with a pressing drive module, a rotating drive module, a rolling drive module and a vibration drive module. The lower part of the shell is provided with an opening and the opening is inserted with a fixing block. The interior of the fixing block is provided with a card slot and a massage bead is inserted into the card slot. The invention has the advantages that the scheme can further control the massage bead resistance on the surface of the patient's body or on the acupuncture point through the internal structure setting of the massage device, including the press drive module, the rotary drive module, the rolling drive module and the vibration drive module, and simulate the fingering actions

such as pressing, rotating, rolling and vibration, so as to meet different massage needs.

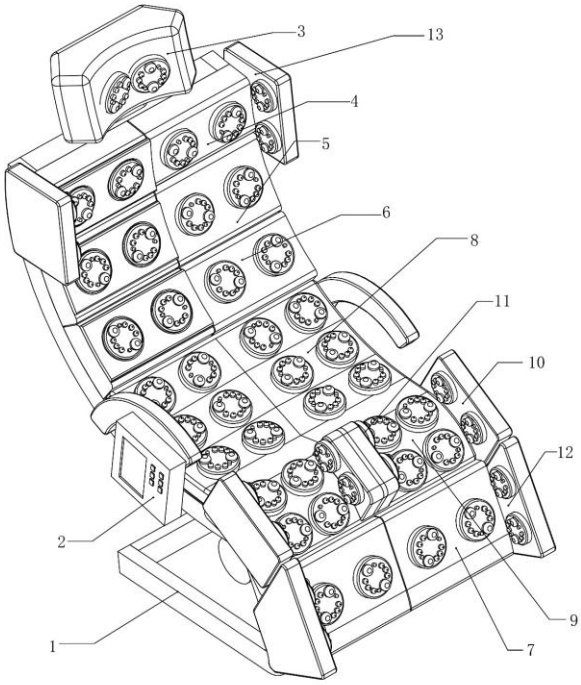


21: 2024/07875. 22: 2024/10/17. 43: 2025/04/23
51: A61H
71: The Affiliated Hospital to Changchun University of Chinese Medicine (Jilin Provincial Hospital of Traditional Chinese Medicine)
72: Li Dong, Yufeng Wang, Ailin Li, Tingting Pang, Jiangchun Zhang, Jiayue Xu, Na Zhang, Mingjun Jiang, Dongze Wu

54: A MULTIFUNCTIONAL MATRIX WHOLE BODY MASSAGE DEVICE

00: -

The invention provides a multifunctional matrix whole body massage device, which belongs to the technical field of medical massage mechanical device. Including neck massage unit, shoulder massage unit, back massage unit, waist massage unit and leg massage unit, etc. Each group of massage units is based on the base frame component, and each group of massage units is only different in size and shape, and its internal massage components are the same; Different massage units can be started through the central processor to massage different parts of the human body; And through the massage telescopic electric cylinder arranged in the inner cavity of the front shell, the massage rotary head can be formed into two states: inward recovery and outward extension of massage. When the massage telescopic electric cylinder drives the massage rotary head to extend out into place, the bidirectional bevel gear just moves to the position meshing with the massage driving bevel gear, and massage operation can be carried out through the rotation of the massage rotary head. Moreover, through the follow-up massage, it can drive the bevel gear and the elastic sliding coordination formed by the sliding six sides, and it can carry out multiple and efficient massage operations.



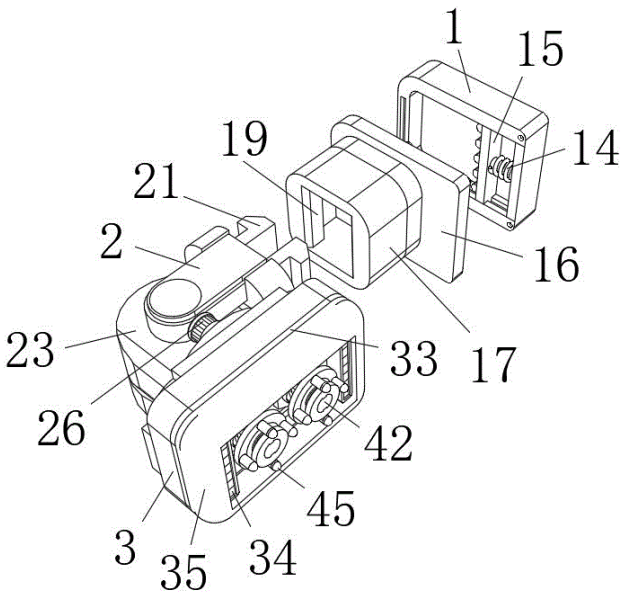
21: 2024/07876. 22: 2024/10/17. 43: 2025/04/23
51: A61H
71: The Affiliated Hospital to Changchun University of Chinese Medicine (Jilin Provincial Hospital of Traditional Chinese Medicine)
72: Shuang Yang, Yufeng Wang, Li Dong, Ailin Li, Jiangchun Zhang, Tingting Pang, Jiayue Xu, Na Zhang, Mingjun Jiang, Dongze Wu

54: AN ADJUSTABLE MATRIX MASSAGE DEVICE

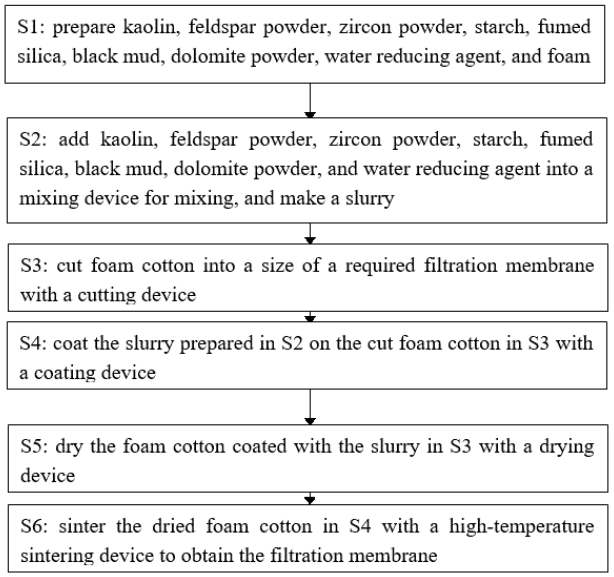
00: -

The invention provides an adjustable matrix massage device, which relates to the technical field of the massage device. The massage device base comprises a fixing side plate sliding on the side end of the massage device base, a connecting arm rotating on the side end of the fixing side plate, and a rotating block sliding on the side end of the connecting arm; The side end of the fixing base plate is installed with a third rotating gear, the side end of the third rotating gear is installed with a limit rod, the fixing base plate, the third rotating gear, the heater is installed with a second rotating motor, so the wave ring block is rotated at the same time the side end convex component and the limit ring surface convex component to match, Thus, the wave

ring block is driven to slide on the outer surface of the rotating rod, and then the second spring is squeezed when the wave ring block is sliding. The second spring contacts the wave ring block with the limit ring component through the rebound, so as to achieve repeated movement, and then it moves forward and back when the upper rotating rod is rotated.

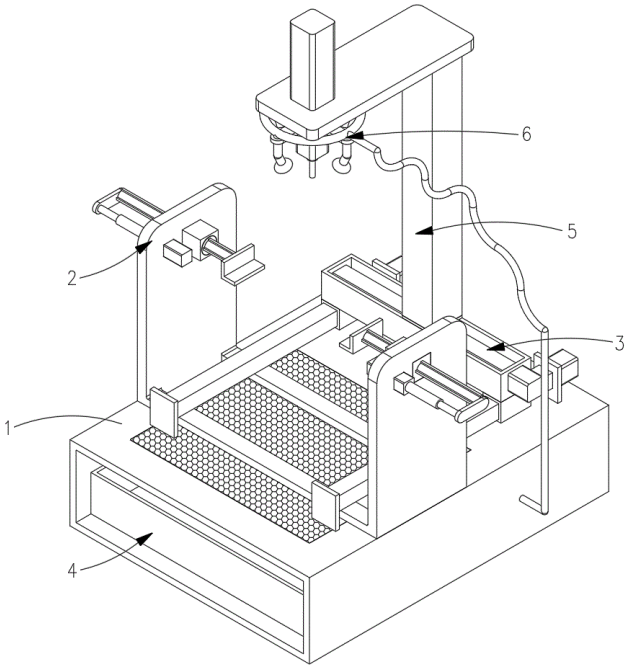


21: 2024/07877. 22: 2024/10/17. 43: 2025/04/23
51: C04B
71: Jingdezhen Market Supervision and Administration Comprehensive Inspection and Testing Center
72: Shao Chuan, Zheng Huijie, Yu Yongkang, Song Ming, Xu Yinan, Xu Wenya
54: LIGHTWEIGHT CERAMIC FILTRATION MEMBRANE AND PREPARATION METHOD THEREOF
00: -
The present invention provides a lightweight ceramic filtration membrane and a preparation method thereof, falling within the technical field of ceramic filtration membranes. The lightweight ceramic filtration membrane includes following raw materials: kaolin, feldspar powder, zircon powder, starch, fumed silica, black mud, dolomite powder, and water reducing agent. A preparation method of the lightweight ceramic filtration membrane includes: S1: preparing kaolin, feldspar powder, zircon powder, starch, fumed silica, black mud, dolomite powder, water reducing agent, and foam. Qualities of produced lightweight ceramic filtration membranes are uniform by limiting conditions including proportion, duration, and temperature in a production process, reducing a quality deviation of the finished lightweight ceramic filtration membranes, improving the overall quality, and being conducive to a mass production. Moreover, a filtration effect of the finished lightweight ceramic filtration membrane is better. At the same time, the preparation method of the ceramic filtration membrane in the present invention is simple, and production cost is reduced by precisely controlling various conditions.

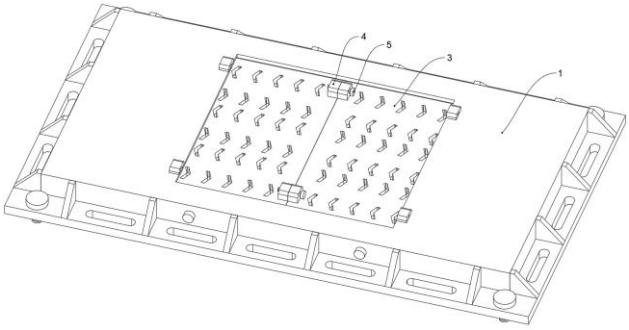


21: 2024/07878. 22: 2024/10/17. 43: 2025/04/23
51: B27M
71: Research Institute of Wood Industry, Chinese Academy of Forestry
72: Zhang Changqing, Guo Qingpeng, Yu Hang, Dai Qinglong, Yi Jiaping, Zhang Bowen, Yu Leyuan
54: DEVICE AND METHOD FOR FLEXIBLY PROCESSING WOOD MEMBERS
00: -
The present invention provides to a device and method for flexibly processing wood members, including a base. A top of a base is arranged with a material fixing mechanism for clamping and transferring materials, and the top of the base is further arranged with a moving mechanism for adjusting processing position. In the present invention, by arranging the material fixing mechanism, the stable clamping of materials can effectively realized, and the advantage of fixing wood members with different sizes can be achieved.

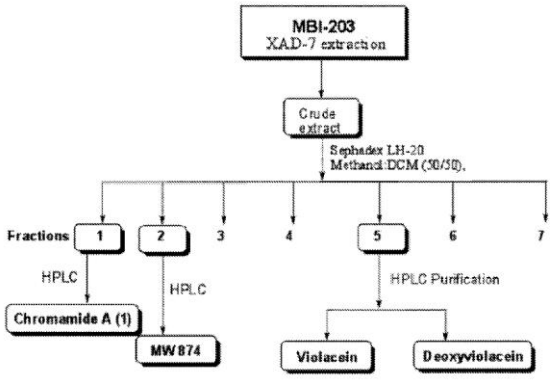
At the same time, a surface of the processed wood member can be directly adjusted according to requirements, and the processed surface cannot be turned over artificially, thus improving the processing efficiency. The effects of clamping and adjusting of clamping fixed size are completed by using a first electric push rod and a connecting plate to push and pull a first extension rod and a second extension rod to drive a clamping plate to move horizontally. A motor drives a second bevel gear and a connecting pipe to rotate through a first bevel gear to drive two groups of clamping plates to rotate at the same time, thus rotating and adjusting the processed surface of clamped wood member.



21: 2024/07879. 22: 2024/10/17. 43: 2025/04/23
51: E01C
71: Hohai University
72: Zhao Ximo
54: URBAN ROAD PERMEABLE TREATMENT DEVICE FOR FLOOD PREVENTION
00: -
The invention relates to the technical field of urban road construction, and in particular to an urban road permeable treatment device for flood prevention, which includes a device body, wherein a square through groove runs through that cent of the device body; two permeable plates are slidably connected in the device body; the top ends of the two permeable plates are fixedly connected with two first threaded seats; the first threaded seats are connected with each other through a first bolt; two sides of the square through groove are provided with second threaded seats; and the second threaded seats are fixedly connected with the top ends of the device body. The technical problem to be solved by the invention is that: in order to prevent urban flood disasters, manual handling of manhole covers consumes manpower and energy, and the work efficiency is low.

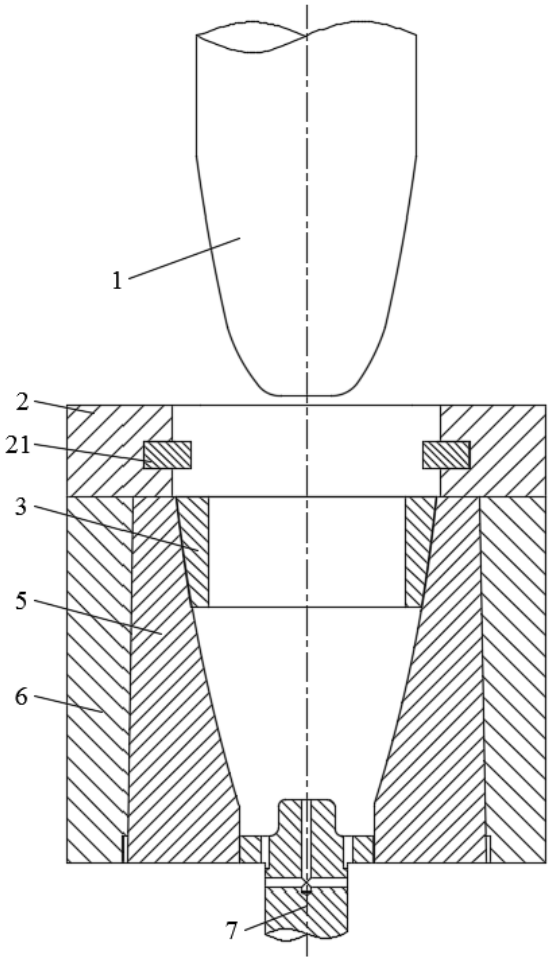


21: 2024/07881. 22: 2024/10/17. 43: 2025/05/06
51: A01N; A01P
71: PRO FARM GROUP, INC.
72: ASOLKAR, Ratnakar N., RAMIREZ, Walter, BURMAN, Scott
33: US 31: 63/336,021 32: 2022-04-28
54: METHOD AND COMPOSITION OF SYNERGISTIC INSECTICIDAL MIXTURES
00: -
The present disclosure provides a synergistic insecticidal composition comprising: one or more chromamide compounds; and one or more Scott proteins disposed in a carrier.



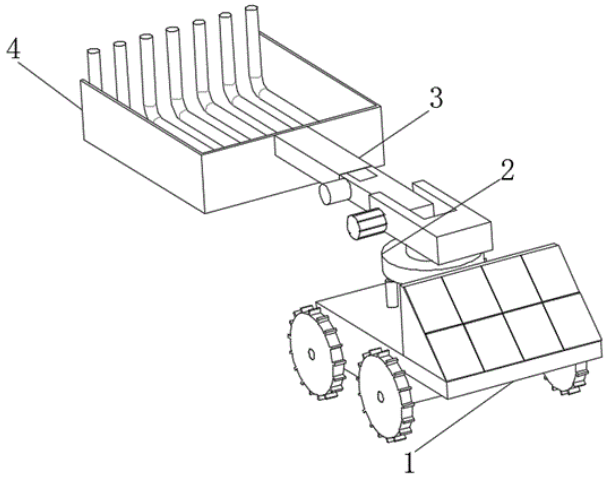
21: 2024/07896. 22: 2024/10/17. 43: 2025/04/23
51: B21C; B29C

71: NORINCO GROUP AIR AMMUNITION RESEARCH INSTITUTE CO., LTD.
72: FENG, Yekun, WANG, Zijun, DONG, Jingxiong, LIU, Jie, YU, Renjie, YANG, Nian
33: CN 31: 202410157186.5 32: 2024-02-04
54: COMPOSITE EXTRUSION FORMING APPARATUS FOR CONICAL BODIES AND EXTRUSION FORMING METHOD
00: -
The invention discloses a composite extrusion forming apparatus for conical bodies and an extrusion forming method, and relates to an extrusion forming apparatus and an extrusion forming method. The purpose of the invention is to address the issue of tilting of extruded blanks during extrusion forming, which compromises the accuracy of extrusion forming and potentially causes blank fractures, necessitating larger machining allowances after extrusion. A die is installed in a prestress ring, an ejector pin is inserted in a bottom hole of the die, a blank positioning ring is installed in a top hole of the die, and a stripper plate fixing plate is installed on a top of the die and a top of the prestress ring. The method comprises: step 1, placing the blank positioning ring on the top of the die; step 2, placing a blank into the die; step 3, taking out the blank positioning ring and installing a stripper plate in the stripper plate fixing plate; step 4, activating a punch to move downward to extrude the blank; step 5, moving the punch upward to exit a cavity of the die; and step 6, taking out the stripper plate, and ejecting a part. The invention belongs to the technical field of metal thermoforming.

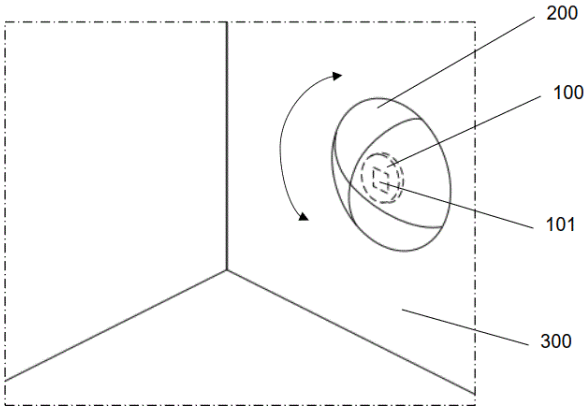


21: 2024/07908. 22: 2024/10/18. 43: 2025/04/23
51: A01D
71: Liupanshui Normal University
72: CHEN, Zuxing, FENG, Junjie, ZHU, Kun, YANG, Zhenyan, ZHOU, Wenping, YANG, Wei, WANG, Yanhong, REN, Mingyue, ZHANG, Qilong
54: ROSA ROXBURGHII PICKING ROBOT
00: -
The present invention relates to the technical field of rosa roxburghii picking, which discloses a rosa roxburghii picking robot, comprising a robot assembly, wherein the robot assembly comprises a robot body and a trapezoidal platform, and the trapezoidal platform is fixedly connected to one end of the upper surface of the robot body, a solar panel is fixedly connected to one side surface of the trapezoidal platform, and the lower part of the end surface of both sides of the robot body is rotatably connected with anti-skid wheels, and the middle part of the upper surface of the robot assembly is fixedly connected with a functional assembly. The rosa

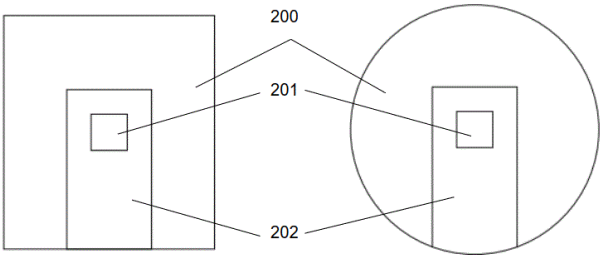
roxburghii picking robot solves the problem that the existing rosa roxburghii picking robot has limited endurance when in use, and often needs to be charged before it can be used after being used for a period of time, and its picking efficiency is relatively low, and there are certain limitations in use; or the existing rosa roxburghii picking robot has a relatively fixed height, and it is difficult to pick rosa roxburghiis at a higher position, and there are certain limitations in use.



21: 2024/07909. 22: 2024/10/18. 43: 2025/04/23
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128073 32: 2024-09-23
54: BRACKET WITH A MAGNETIC OR FERROMAGNETIC ELEMENT FOR A PLACED ON A VERTICAL SURFACE PRODUCT WITH A BASE WITH A MAGNETIC OR FERROMAGNETIC ELEMENT
00: -
The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A bracket with a magnetic or ferromagnetic element for a placed on a vertical surface product with a base with a magnetic or ferromagnetic element is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices.



21: 2024/07910. 22: 2024/10/18. 43: 2025/04/23
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128074 32: 2024-09-23
54: A PRODUCT WITH A BASE WITH A MAGNETIC OR FERROMAGNETIC ELEMENT PLACED ON A VERTICAL SURFACE AND A BRACKET WITH A MAGNETIC OR FERROMAGNETIC ELEMENT FOR IT
00: -
The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A product with a base with a magnetic or ferromagnetic element placed on a vertical surface is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices

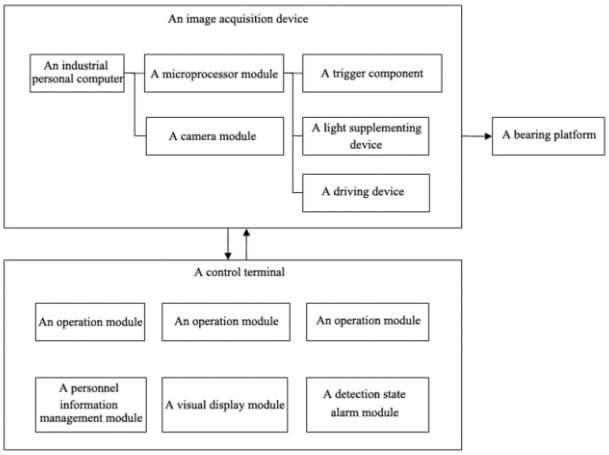


21: 2024/07911. 22: 2024/10/18. 43: 2025/04/23
51: F16M
71: Zhejiang Industry and Trade Vocational College
72: Qian Yuezhong, Qiu Jianshu, Xiang Chaohui, Chen Hanchen

54: IMAGE ACQUISITION DEVICE FOR ELECTRONIC COMPONENT DETECTION

00: -

The present disclosure provides an image acquisition device for electronic component detection, and relates to the technical field of image acquisition, including an image acquisition device, a bearing platform, and a control terminal; the image acquisition device is configured to perform image acquisition on the target micro electronic component on the bearing platform according to the image acquisition instruction sent by the control terminal, and send the acquired image to the control terminal; the control terminal is configured to verify the identity information of the operator, obtain operation information of the legal operator, generate an image collection instruction according to the operation information, and is further configured to perform monitoring and abnormal state alarm on the image collection process, and analyze and store the collected image.

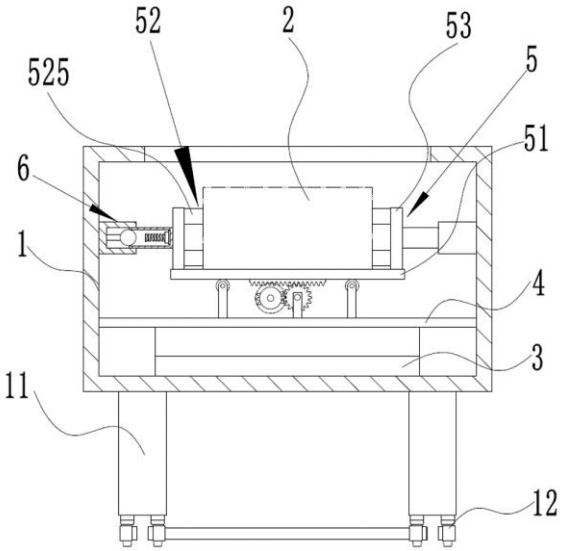


21: 2024/07912. 22: 2024/10/18. 43: 2025/04/23
51: G01R
71: Zhejiang Industry and Trade Vocational College
72: Qian Yuezhong, Qiu Jianshu, Xiang Chaohui, Chen Hanchen

54: CLAMPING STRUCTURE FOR ELECTRONIC COMPONENT DETECTION

00: -

The present disclosure provides a clamping structure for electronic component detection, and relates to the technical field of electronic component clamps; a workbench arranged in the outer box; a supporting plate arranged on the workbench; a clamping device arranged on the supporting plate, wherein the clamping device is used for clamping electronic components; and a pair of limiting devices symmetrically arranged in the outer box, wherein the pair of limiting devices are elastically connected with the clamping device The device has the advantages of being firm in clamping, wide in application range and high in working efficiency.

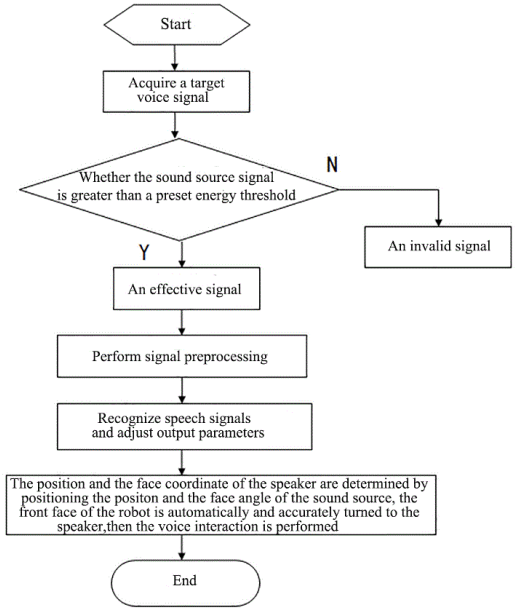


21: 2024/07913. 22: 2024/10/18. 43: 2025/04/23
51: G10L
71: Zhejiang Industry and Trade Vocational College
72: Yao Xiqin, Zheng Daoyou, Dong Youwei, Huang Haoran

54: A VOICE INTERACTION SYSTEM FOR A ROBOT

00: -

The invention provides a voice interaction system for a robot, and relates to the technical field of robot control. The voice interaction system comprises a voice acquisition module, a voice analysis module, an image recognition module and a position adjustment module; and the voice acquisition module is configured to acquire a target voice signal and pre-process the target voice signal; the voice analysis module is configured to analyze the user voice feature information, generate a voice output parameter according to the user voice feature information, perform interaction processing on the voice output parameter, and then send the voice output parameter to the robot dialog module; the position adjustment module is configured to adjust the dialog module of the robot, so that the center of the dialog module of the robot falls within the threshold range of the face center of the sound source object According to the invention, the voice output parameter can be adjusted according to the language habit of the speaker, and the dialog direction is adjusted, so that the voice interaction is more intelligent, and the user experience is better.

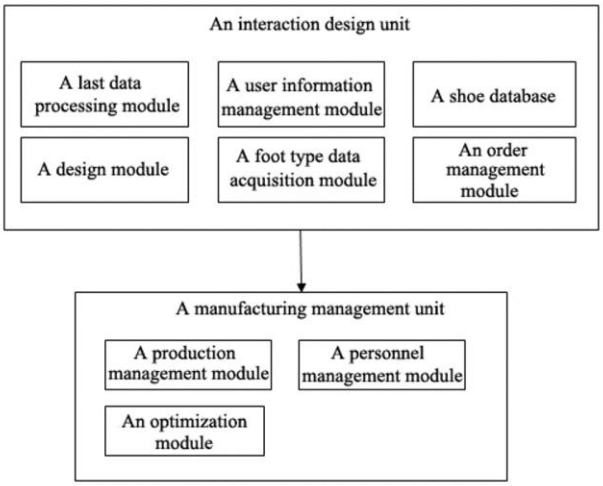


21: 2024/07914. 22: 2024/10/18. 43: 2025/04/23
51: A43D
71: Zhejiang Industry and Trade Vocational College
72: Liu Jian, Chai Hongju

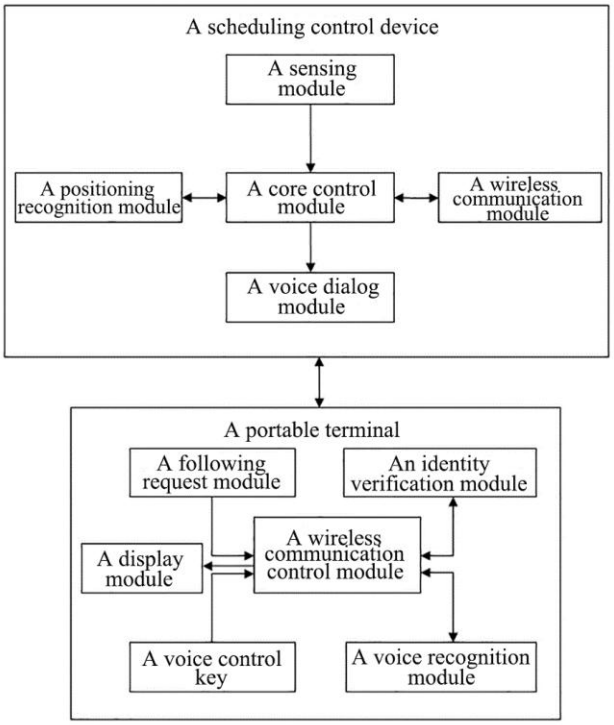
54: A DIGITAL CONTROL SYSTEM FOR CUSTOMIZED MANUFACTURING OF FOOTWEAR

00: -

The invention provides a digital control system for customized manufacturing of footwear, and relates to the technical field of footwear manufacturing. The digital control system comprises an interaction design unit and a manufacturing management unit; the manufacturing management unit is connected with the interaction design unit in a wireless communication mode, and the manufacturing management unit is used for optimizing and managing the footwear manufacturing process based on the order information According to the invention, the design system and the manufacturing system can be combined, the customized manufacturing period is shortened, the manufacturing management unit is more accurate and reasonable, and the personalized requirements of the user can be better met.

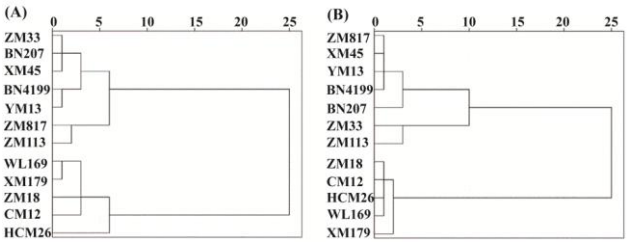


21: 2024/07915. 22: 2024/10/18. 43: 2025/04/24
51: G06Q
71: Zhejiang Industry and Trade Vocational College
72: Yao Xiqin, Zheng Daoyou, Dong Youwei, Huang Haoran
54: FOLLOWING-TYPE LOGISTICS ROBOT CONTROL SYSTEM
00: -
The present disclosure provides a follow-up logistics robot control system, which relates to the technical field of robot control, and includes a portable terminal and a scheduling control device; the scheduling control device is arranged on the logistics robot body, the scheduling control device is used for responding to the following request, identifying the following target, and driving the logistics robot to perform automatic obstacle avoidance following according to the set following mode, the following mode can be switched, a more convenient automatic following mode is provided for the user, the following mode is more diversified, and the interactivity is good.



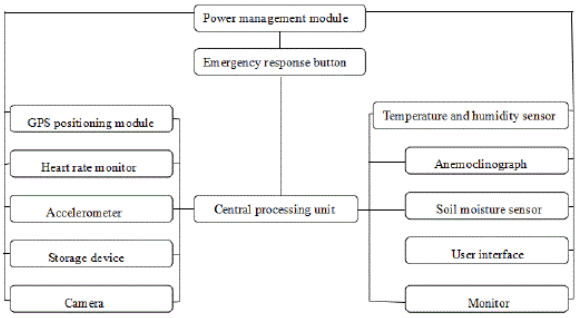
21: 2024/07916. 22: 2024/10/18. 43: 2025/04/29
51: A01F; G06N
71: HENAN UNIVERSITY OF TECHNOLOGY
72: WU QIONG, LIU YUXIN, MIAO SEN, KANG CHUHAN, TIAN QISHENG, ZHANG DONGDONG, ZHANG YURONG
33: CN 31: 202410777672.7 32: 2024-06-17
54: A RAPID DETERMINATION METHOD FOR THE POST-RIPENING PERIOD OF WHEAT BASED ON PHYSIOLOGICAL AND BIOCHEMICAL INDICATORS
00: -
A method for quickly determining the ripening period of wheat based on physiological and biochemical indicators relates to the field of wheat storage. The method comprises the following steps: determining the CAT activity, alpha-amylase activity, beta-amylase activity, -SH content and -SS- content of wheat grains; directly substituting the obtained CAT activity, alpha-amylase activity, beta-amylase activity, -SH content and -SS- content into the following determination equation, or substituting them into the following equation after standardization, to obtain a comprehensive score of the wheat grains; F1=0.519X1+0.506X2+0.521X3-0.430X4+0.136X5 Formula(1) F2=0.040X1+0.261X2+0.271X3+0.424X4-0.823X5 Formula(2) F=0.64164F1+0.25661F2 Formula(3)

(Note: The number 1, 2 ,3 ,4, 5 next to X and the number 1,2 next to F in the formula 1 and 2 are subscripts) Finally, the ripening period is determined based on the obtained comprehensive score F. The determination method of the present invention can solve the technical problem that when determining the ripening period of wheat by measuring the wheat germination rate in the prior art, the determination cycle is long and the length of the ripening period can only be determined after the ripening period is completely over.



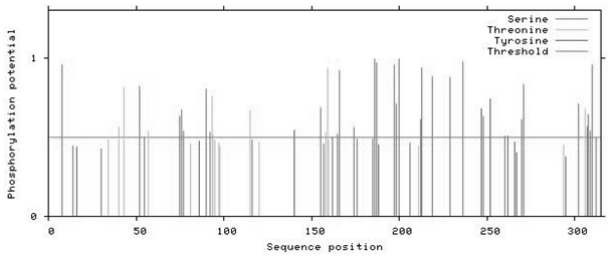
21: 2024/07917. 22: 2024/10/18. 43: 2025/04/24
51: A01N
71: Institute of Animal Husbandry, Henan Academy of Agricultural Sciences
72: ZHANG Jiaqing, LYU Lingyan, WANG Xianwei, SHEN Ming, XING Baosong, YAN Xiangzhou, REN Qiaoling
54: PIG SPERM HIGH-EFFICIENT PRESERVATIVE CONTAINING TECTORIGENIN AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
The invention provides an pig sperm high-efficient preservative containing tectorigenin and a preparation method and application thereof, and belongs to the technical field of animal husbandry. The pig sperm high-efficient preservative containing tectorigenin includes glucose, sodium bicarbonate, sodium citrate, EDTA, citric acid, tectorigenin, Tris, L-cysteine, levofloxacin, sodium carboxymethyl cellulose, bovine serum albumin and Banqing Baidu oral liquid. Compared with the conventional diluent Zorlesco, the pig sperm high-efficient preservative containing tectorigenin provided by the invention has better pig sperm preservation effect, can improve the antibacterial ability of pig sperm and prolong the storage time of pig sperm.

21: 2024/07918. 22: 2024/10/18. 43: 2025/04/24
51: G05D
71: Hulunbuir University
72: Chao Feng
54: GRAZING PATH PLANNING AUXILIARY TOOL
00: -
The present invention discloses a grazing path planning auxiliary tool, which relates to the field of graziery, which comprises the following components: a GPS positioning module; heart rate monitor; accelerometer; temperature and humidity sensors; soil moisture sensor; camera; the data transmission unit serves as a bridge between all sensors and the central processing unit, responsible for tansfering collected data to the central processing unit by the wireless transmission; the central processing unit receives data from various sensors, processes and analyzes it, runs path planning algorithms, and stores the results in storage devices; storage devices; display; power management module and emergency response button. The present invention provides ranch managers with a scientific, efficient, and safe grazing path planning solution through multiple advantages such as timely monitoring, intelligent evaluation, efficient planning, emergency response, continuous optimization, and user-friendly interface.

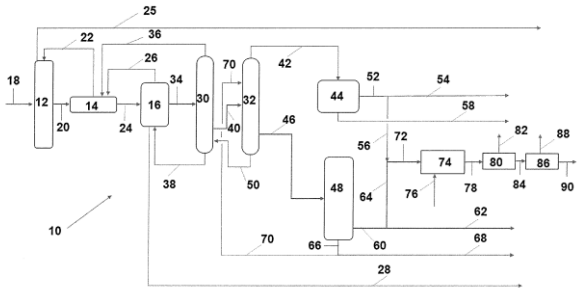


21: 2024/07919. 22: 2024/10/18. 43: 2025/04/24
51: A01H; C12H
71: INSTITUTE OF INDUSTRIAL CROPS, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES
72: CHEN, Si, CHEN Jing, MA, Jun, LIU, Yan, LI, Cen, YIN, Weiping, WU, Linlin, HU, Yingying
54: PASMO RESISTANCE GENE LUWRKY39 OF FLAX AND APPLICATION THEREOF
00: -
The present invention discloses a pasmo resistance gene LuWRKY39 of flax and an application thereof, falling within the technical field of genetic engineering. A nucleotide sequence of LuWRKY39

is shown in SEQ ID No. 3. According to the present invention, a gene LuWRKY39 related to disease resistance in flax is isolated, and the characteristics of sequence and time-space expression are preliminarily explored. The resistance function of LuWRKY39 gene is researched by virus induced gene silencing (VIGS) technology. Research results show that the LuWRKY39 gene plays a positive role in the resistance process of flax to pasmo.

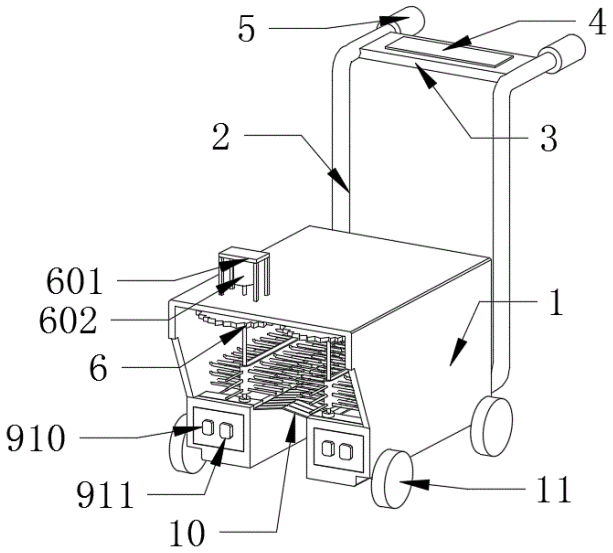


21: 2024/07929. 22: 2024/10/18. 43: 2025/04/24
51: C08G
71: SULZER MANAGEMENT AG
72: STEPANSKI, Manfred
33: EP 31: 22170581.7 32: 2022-04-28
54: A PLANT AND AN EFFICIENT PROCESS FOR PRODUCING POLYLACTIC ACID
00: -
A process of producing polylactic acid comprising the steps of: a) providing a crude lactide composition comprising meso-lactide and at least one of L-lactide and D-lactide, b) separating from the crude lactide composition a meso-lactide enriched composition and a meso-lactide depleted composition, wherein the meso-lactide enriched composition contains less than 80 mol-% of meso-lactide based on the total content of lactide, c) polymerizing a polymerization composition comprising meso-lactide and at least one of L- lactide and D-lactide to a crude polylactic acid composition and optionally devolatilizing the crude polylactic acid composition so as to produce a purified polylactic acid composition and a composition containing unreacted lactide, d) subjecting the meso-lactide enriched composition or a mixture of the meso -lactide enriched composition and a portion of the composition containing unreacted lactide to a purification comprising at least one crystallization step so as to produce a purified meso-lactide enriched composition, e) subjecting the meso-lactide depleted composition or a mixture of the meso-lactide depleted composition and a portion of the composition containing unreacted lactide to a purification comprising at least one crystallization step so as to produce a purified meso -lactide depleted composition, wherein the polymerization composition contains at least a portion of the purified meso-lactide enriched composition produced in step d) and/or at least a portion of the purified meso-lactide depleted composition produced in step e).



21: 2024/07940. 22: 2024/10/21. 43: 2025/04/24
51: A01D
71: Liupanshui Normal University
72: CHEN, Zuxing, FENG, Junjie, ZHU, Kun, YANG, Zhenyan, ZHOU, Wenping, ZHANG, Qiqi, WANG, Yanhong, REN, Mingyue, ZHANG, Qilong
54: PICKING MACHINE FOR PICKING ROXBURGHII
00: -
The present application discloses a picker for picking roxburghii, and relates to the technical field of roxburghii picking, including a picker housing, a control panel is arranged above the picker housing, a drive assembly is installed inside the picker housing, a linkage assembly is arranged on one side of the drive assembly, a mounting slot is provided inside the picker housing, an automatic discharging assembly is installed inside the picker housing, a swing piece is installed on the inner side of the picker housing, and a moving wheel is arranged on the outer side of the picker housing; the automatic discharging assembly includes a second drive motor fixed inside the mounting slot, a reciprocating screw rod is connected to one side of the second drive motor, a screw rod nut is connected to the outer wall of the reciprocating screw rod, a first fixed block is fixed to the outer side of the screw rod nut, and a collection box is fixed on one side of the first fixed block. The present invention automatically removes the collection box from the picker housing by arranging an automatic discharging mechanism, so

as to facilitate workers to take the fruits inside the collection box.

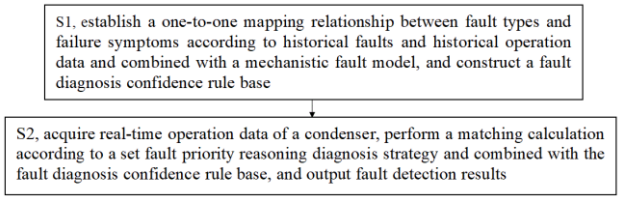


21: 2024/07942. 22: 2024/10/21. 43: 2025/04/24
51: B01J
71: China Nuclear Power Engineering Co., Ltd., Empower Info technology Shanghai Co., ltd.
72: Wang Xuehua, Wang Guangji

54: THERMODYNAMIC ANALYSIS-BASED FAULT DETECTION METHOD FOR CONDENSER OF PRESSURIZED WATER REACTOR NUCLEAR POWER PLANT

00: -

The present invention relates to a thermodynamic analysis-based fault detection method for a condenser of a pressurized water reactor (PWR) nuclear power plant, including the following steps: establishing a one-to-one mapping relationship between fault types and fault symptoms according to historical faults and historical operation data and combined with a mechanistic fault model, and constructing a fault diagnosis confidence rule base; and acquiring real-time operation data of a condenser, performing a matching calculation according to a set fault priority reasoning diagnosis strategy and combined with the fault diagnosis confidence rule base, and outputting fault detection results. Compared with the prior art, in the present invention, a fault symptom set relationship in one-to-one mapping with the fault types is established, and the fault confidence rule base corresponding to the fault types is further constructed to accurately represent knowledge information about the corresponding fault types; and by using the method of matching on-site operating parameters of the condenser with the confidence rule base, types and confidences of the faults can be accurately obtained, enabling real-time and accurate fault detection of an operating condenser.

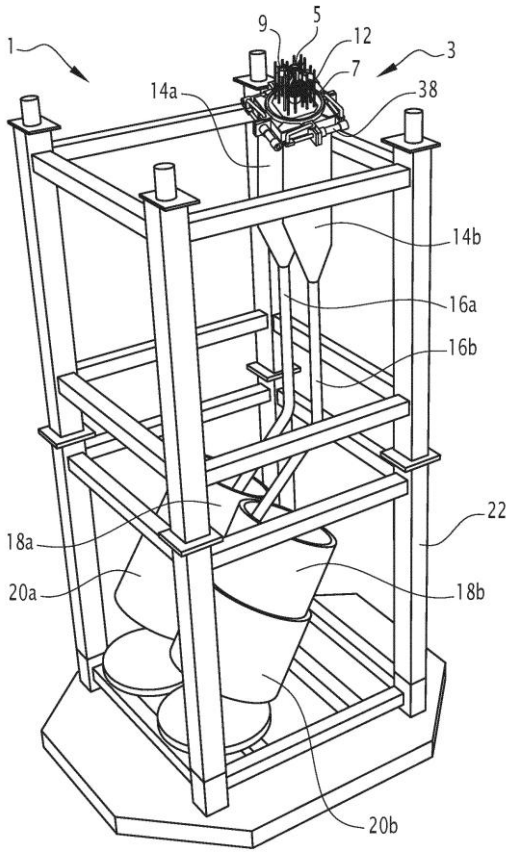


21: 2024/07943. 22: 2024/10/21. 43: 2025/04/29
51: G21C; G21D
71: FRAMATOME GMBH
72: MICHNA, Jürgen, WIESE, Thomas Heinz, GRAU, Jochen, GROH, Werner
33: EP 31: 22171320.9 32: 2022-05-03

54: CUTTING DEVICE AND METHOD FOR CUTTING A CORE COMPONENT

00: -

The present invention relates to a cutting device (3) for cutting a plurality of parallel fingers (7) of at least one core component (5) in a plane orthogonal to the longitudinal axis of the fingers (7), the fingers (7) being adapted to be introduced into the fuel assembly of a nuclear reactor core, the cutting device (3) comprising: a first bearing plate (30, 46) comprising a plurality of abutments (54, 56) respectively for a finger (7) to be cut, wherein the cutting device (3) further comprises: a rotatable cutting plate (34) comprising a corresponding cutting blade (42a, 42b, 42c) for each abutment (54, 56) in the first bearing plate, the rotatable cutting plate (34) being rotatable about a rotating axis (Y) between a starting position and a final position in a circumferential direction (C), the first bearing plate (30, 46) and the cutting plate (34) being parallel to each other, the cutting blades (42a, 42b, 42c) comprising a plurality of groups of cutting blades (42a, 42b, 42c), wherein for each group of cutting blades (42a, 42b, 42c) the angle between the cutting blades (42a, 42b, 42c) and the corresponding abutments (54, 56) is different to an angle between the cutting blades (42a, 42b, 42c) and the corresponding abutments (54, 56) of any other group of cutting blades.



21: 2024/07951. 22: 2024/10/21. 43: 2025/04/24
51: C08G
71: SULZER MANAGEMENT AG
72: STEPANSKI, Manfred
33: EP 31: 22170580.9 32: 2022-04-28
54: A PLANT AND AN EFFICIENT PROCESS FOR PRODUCING POLYLACTIC ACID USING LACTIDE OBTAINED FROM POLYLACTIC ACID DEVOLATILIZATION
00: -
A process of producing polylactic acid comprising the steps of: a) providing a crude lactide composition comprising meso-lactide and at least one of L-lactide and D-lactide, b) separating from the crude lactide composition a meso-lactide enriched composition and a meso-lactide depleted composition, wherein the meso-lactide enriched composition contains at least 80 mol-% of meso-lactide based on the total content of lactide, c) polymerizing a polymerization composition comprising meso-lactide and at least one of L-lactide and D-lactide to a crude polylactic acid composition and devolatilizing the crude polylactic acid composition so as to produce a purified polylactic acid composition and a composition containing unreacted lactide, d) subjecting the meso-lactide enriched composition and at least a portion of the composition containing unreacted lactide to a purification comprising at least one crystallization step so as to produce a purified meso-lactide enriched composition, e) subjecting the meso-lactide depleted composition or a mixture of the meso-lactide depleted composition and a portion of the composition containing unreacted lactide to a purification comprising at least one crystallization step so as to produce a purified meso-lactide depleted composition, wherein the polymerization composition contains at least a portion of the purified meso-lactide enriched composition produced in step d).

21: 2024/07952. 22: 2024/10/21. 43: 2025/05/06
51: B24B
71: LANDSKY TECH TANGSHAN CO., LTD.
72: Songyi LI, Yaxuan WANG, Yanpeng WANG
33: CN 31: 202410604430.8 32: 2024-05-15
54: DUAL-TRANSMISSION-TYPE HIGH-PRESSURE ROLLER MILL FOR MINING INDUSTRY
00: -
The present application belongs to the technical field of roller mills. A double-drive high pressure grinding roll for mining is disclosed, including a shell support assembly, a circulating feeding assembly is respectively installed on both sides of the inner wall of the shell support assembly, a buffer crushing assembly is installed on the inner wall of the shell support assembly, a roller mill assembly is installed on the inner wall of the shell support assembly, and the roller mill assembly is located below the buffer crushing assembly. The shell support assembly is used to support the circulating feeding assembly, the buffer crushing assembly and the roller mill assembly. The buffer crushing assembly can buffer and crush the ore, the circulating feeding assembly can circulate the screened ore, and the roller mill assembly is used to grind the screened ore. The falling ore falls between two impact plates, and the two impact plates are pushed to move at the same time by two hydraulic rods. The impact needles on the two impact plates can impact the ore, so that the ore is broken into small pieces, thereby improving the grinding efficiency of the ore.

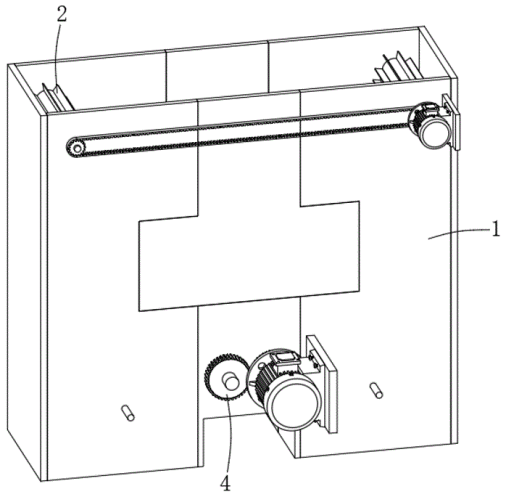
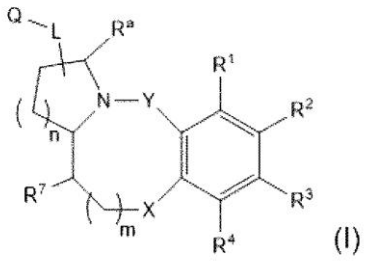
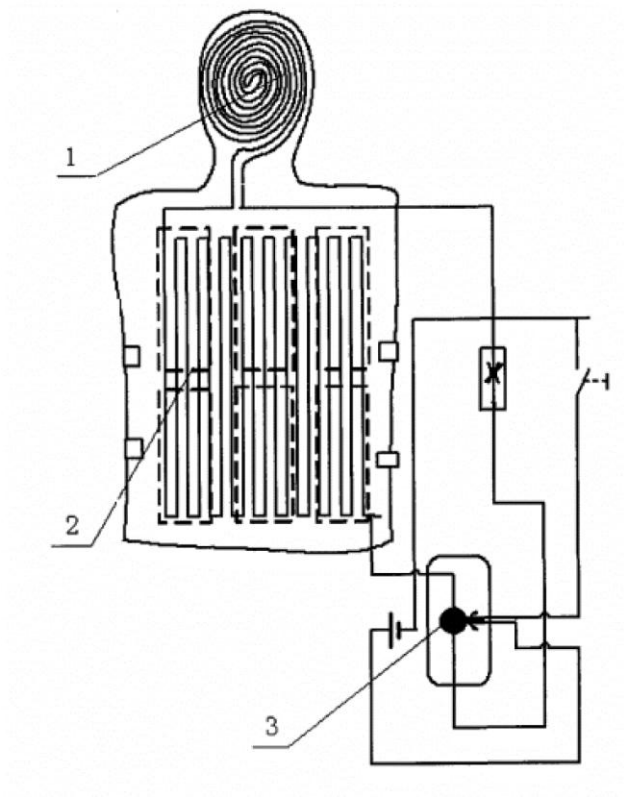


FIG. 1

21: 2024/07953. 22: 2024/10/21. 43: 2025/04/24
51: A61K; C07D; A61P
71: TEIJIN PHARMA LIMITED
72: OKADA, Kazuhisa, SASAKI, Kosuke, MUTOH, Hiroyuki, KIMURA, Kumi, FURUYA, Shiori
33: JP 31: 2022-070484 32: 2022-04-22
54: OXAZEPINE DERIVATIVE
00: -
Novel compounds are provided with excellent orexin type 2 receptor agonist activity. The compounds are represented by Formula (I) or pharmaceutically acceptable salts thereof.


(I)

21: 2024/07961. 22: 2024/10/22. 43: 2025/04/29
51: A41D
71: Hangzhou Innovation Institute of Beihang University (International Innovation Institute of Beihang University), Beihang University
72: WANG, Lijing, LU, Xinda, SHANG, Wenshan, HE, Jiyang
54: COOLING SYSTEM OF PROTECTIVE CLOTHING
00: -
Disclosed is a cooling system of protective clothing, which belongs to the field of machinery. In the present application, the cooling system of protective clothing includes a trunk cooling device, a head cooling device, a temperature detection module and a control module, where the head cooling device includes an inner lining and circulation pipelines, and a loop of the circulation pipelines is internally provided with liquid flowing circularly. The trunk cooling device includes an inner lining, circulation pipelines and a refrigeration material, the circulation pipelines are arranged between the inner lining and the refrigeration material, and a loop of the circulation pipelines is internally provided with liquid which can flow. In the present application, by arranging the cooling devices on a head and a trunk, a better cooling effect can be achieved.



21: 2024/07962. 22: 2024/10/22. 43: 2025/04/29
51: C08J
71: Sichuan University of Science and Engineering, Chi-Hui Tsou, Chulalongkorn University, Sichuan Bozhiduo Technology Co., Ltd., Zigong Zhishengxin Technology Co., Ltd, SICHUAN ZHIXIANGYI TECHNOLOGY CO., LTD.
72: Chi-Hui Tsou, Pranut Potiyaraj, Xin Huang, Charasphat Preuksarattanawut, Xue-Fei Hu, Chih-Yuan Tsou, Fei-Fan Ge, Bunnakorn Suntamit
33: CN 31: 202311369251.2 32: 2023-10-23

54: A FULLY BIODEGRADABLE AGRICULTURAL MULCH FILM THAT REGULATES DEGRADATION RATE USING PHOTODEGRADATION TECHNOLOGY

00: -

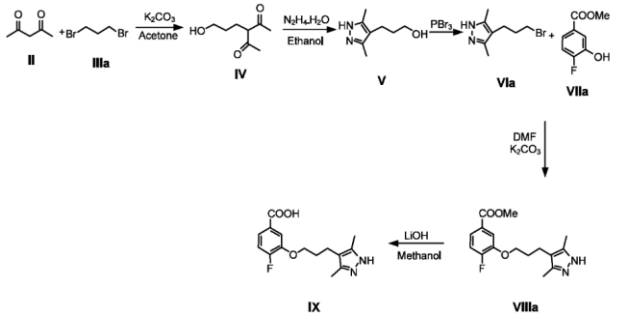
This invention relates to the field of agricultural mulch films and discloses an agricultural mulch film that utilizes photodegradation technology to regulate the degradation rate of a fully biodegradable composite film. It includes: an agricultural mulch film substrate and a biodegradable coating, with the biodegradable coating distributed on both the upper and lower surfaces of the substrate. The agricultural mulch film substrate is made from the following raw materials: 10-20 portions by weight of polylactic acid (PLA), 30-50 portions by weight of poly(butylene adipate-co-terephthalate) (PBAT), 2-5 portions by weight of natural plant cellulose, and 3-7 portions by weight of a photosensitizer. The biodegradable coating consists of the following raw materials: 50-70 portions by weight of polylactic acid, 10-20 portions by weight of starch, and 5-10 portions by weight of cellulase. The agricultural mulch film disclosed by this invention is fully biodegradable, helping to reduce environmental pollution. By utilizing photodegradation technology, the degradation rate of the mulch film can be regulated, making it adaptable to different growth cycles and environmental conditions. The preparation process and materials are economical and practical, with wide applicability in the agricultural sector.

21: 2024/07964. 22: 2024/10/22. 43: 2025/04/02
51: A61K; A61P
71: EIDOS THERAPEUTICS, INC.
72: CHAND, Pooran, GUPTA, Yogesh Kumar, KUMAWAT, Rakesh Kumar, ALHAMADSHEH, Mamoun, ZAMBONI, Robert
33: US 31: 62/460,576 32: 2017-02-17

54: PROCESSES FOR PREPARING AG-10, ITS INTERMEDIATES, AND SALTS THEREOF

00: -

Provided herein are improved processes for the preparation of a compound of Formula IX (AG- 10). Also provided herein are pharmaceutically acceptable salts of Formula (I) and Formula (Ib) as well as crystalline types of Formula IX (AG- 10). The processes described herein provide improved yields and efficiency, while the pharmaceutically acceptable salts and crystalline forms provide unexpected pharmacokinetic properties. Other features and aspects of the present disclosure will be apparent to a person of skill in the art upon reading the remainder of the specification.

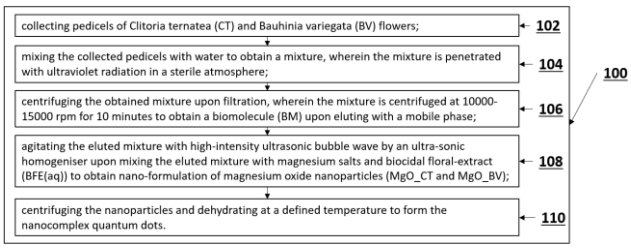


21: 2024/07967. 22: 2024/10/22. 43: 2025/04/29
51: A61K
71: Dr. Ajaya Kumar Singh, S. Sreevidya, Dr. Sunita Sanwaria
72: Dr. Ajaya Kumar Singh, S. Sreevidya, Dr. Sunita Sanwaria

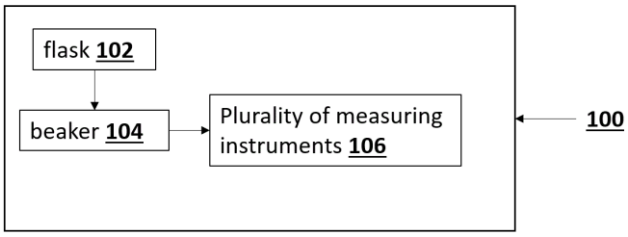
54: METHOD AND COMPOSITION FOR SYNTHESIZING PHYTO-NANO-MGO QUANTUM DOTS FOR EVALUATION OF TOXIN IN-VIVO/VITRO/SILICO SEQUELS

00: -

A composition and method (100) for synthesizing Phyto-nano-MgO quantum dots, comprises of: collecting pedicels of Clitoria ternatea (CT) and Bauhinia variegata (BV) flowers; mixing the collected pedicels with water to obtain a mixture, wherein the mixture is penetrated with ultraviolet radiation in a sterile atmosphere; centrifuging the obtained mixture upon filtration, wherein the mixture is centrifuged at 10000-15000 rpm for 10 minutes to obtain a biomolecule (BM) upon eluting with a mobile phase; agitating the eluted mixture with high-intensity ultrasonic bubble wave by an ultra-sonic homogeniser upon mixing the eluted mixture with magnesium salts and biocidal floral-extract (BFE(aq)) to obtain nano-formulation of magnesium oxide nanoparticles (MgO_CT and MgO_BV); and centrifuging the nanoparticles and dehydrating at a defined temperature to form the nanocomplex quantum dots.

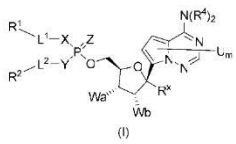


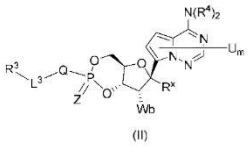
21: 2024/07968. 22: 2024/10/22. 43: 2025/04/29
51: G01N
71: Dr. Akumtoshi LKR, Dr. Maibam Romeo Singh, Dr. Neizo Puro
72: Dr. Akumtoshi LKR, Dr. Maibam Romeo Singh, Dr. Neizo Puro
54: AN APPARATUS AND METHOD FOR ASSESSING WATER QUALITY STATUS USING WATER QUALITY INDEX
00: -
An apparatus (100) and a method (200) for assessing water quality status using water quality index, comprises of: a flask (102) for accommodating water sample from a water source; a beaker (104) for preparing a solution, wherein the flask (102) is washed with the prepared solution prior to accommodation of the water sample; and a plurality of measuring instruments (106) for measuring a plurality of parameters for generating water quality index (WQI) based on Weighted Arithmetic Index method.



21: 2024/07969. 22: 2024/10/22. 43: 2025/04/29
51: A62D; C07D
71: GUANGZHOU TUFU FRAGRANCE TECHNOLOGY CO., LTD
72: SHEN, Jingang
54: COOLING AGENT, PREPARATION METHOD AND APPLICATION THEREOF
00: -
A cooling agent, a preparation method and application thereof are provided, and the present invention belongs to the technical field of oral cleaning products. The cooling agent, prepared by components including the following mass fractions: benzyl alcohol 50~68 parts, menthol 13~20 parts, menthone 14~20 parts, WS-3 6~10 parts and N-p-phenylacetonitrile-based menthol alkyl formamide 7~9 parts. The cooling agent prepared by the present invention has a longer cooling stability time than the traditional cooling agent, and can act on the whole oral cavity, provide a longer cooling experience, and enable consumers to continuously experience the cool feeling after brushing their teeth.

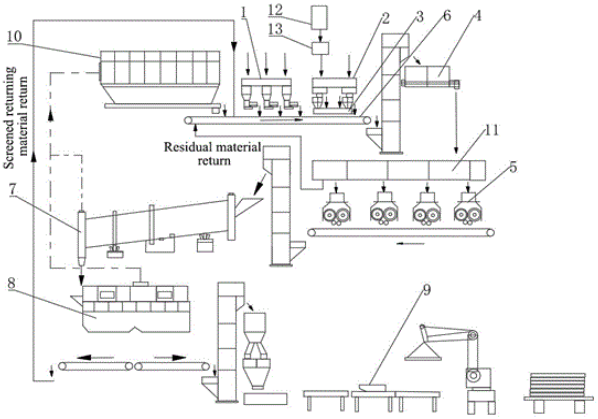
21: 2024/07973. 22: 2024/10/22. 43: 2025/04/29
51: A61K; C07F; A61P
71: MIRACURE BIOTECHNOLOGY LIMITED
72: Xiaolin LI, Longwu QI, Shusen XU, Nana DU
33: US 31: 63/363,499 32: 2022-04-25
33: US 31: 63/381,846 32: 2022-11-01
33: CN 31: 202210465512.X 32: 2022-04-25
33: CN 31: 202211217036.6 32: 2022-09-30
33: CN 31: 202211358613.3 32: 2022-11-01
54: NUCLEOSIDE DRUG FOR TREATING OR PREVENTING CORONAVIRUS INFECTION, AND USE THEREOF
00: -
The present invention relates to the technical field of medicines, and in particular to a nucleoside drug for treating or preventing coronavirus infection, and a use thereof. The present invention further relates to a method for preparing a prodrug of a nucleoside drug. Compared with other nucleoside drugs such as remdesivir for injection, the nucleoside drug of formula (I) or formula (II) provided in the present invention is more suitable for oral administration to individuals in need.


(I)


(II)

21: 2024/07974. 22: 2024/10/22. 43: 2025/04/29
51: B01J
71: SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, Wuzhou Feng Agricultural Technology Co., LTD
72: Yufeng ZHANG, Zhaohui LIU, Xuejiang WANG
33: CN 31: 202310147332.1 32: 2023-02-20
54: GRANULATION PROCESS, PRODUCTION PROCESS, AND PRODUCTION SYSTEM OF CHEMICAL FERTILIZER-BIOLOGICAL COMPOUND FERTILIZER
00: -

Disclosed are a granulation process, a production process, and a production system of a chemical fertilizer-biological compound fertilizer are disclosed, belonging to the technical field of agricultural fertilizer preparation. The powdered microbial agent and protective agent are mixed uniformly with each other and then mixed with a powdered inorganic fertilizer uniformly to ensure the survival rate of microorganisms while increasing the content of the inorganic fertilizer. Then, the mixed chemical fertilizer-biological compound fertilizer powder is subjected to dry granulation using double-roller granulators to form particles under high pressure. Since no water or binder is added, further destruction of activity of microorganisms caused by the chemical reaction and osmotic pressure is avoided. In addition, the granulation process is performed at normal temperature, and particles are formed in one step using the dry granulation process so that subsequent high-temperature drying is not required, thereby further improving the survival rate of microorganisms. A double-roller extrusion granulator is used to perform granulation. The whole granulation process is continuously performed, the preparation efficiency is high, and the subsequent drying of particles is not required, thereby reducing the production cost.

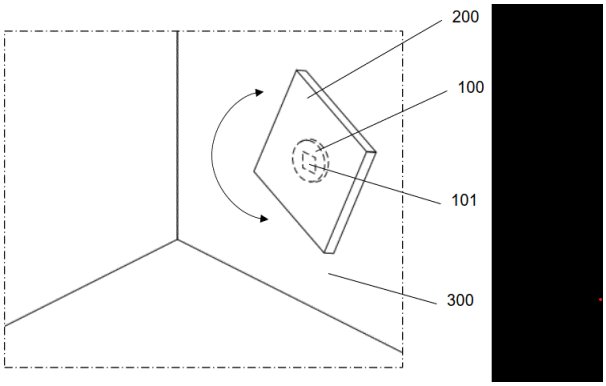


21: 2024/07997. 22: 2024/10/23. 43: 2025/04/29
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128072 32: 2024-09-23

54: A KIT CONTAINING A VERTICALLY PLACED SCRATCHING POST WITH A MAGNETIC ELEMENT AND A BRACKET WITH A MAGNETIC ELEMENT FOR IT

00: -

The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A set of a scratching post placed on a vertical surface and a bracket for it is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices.

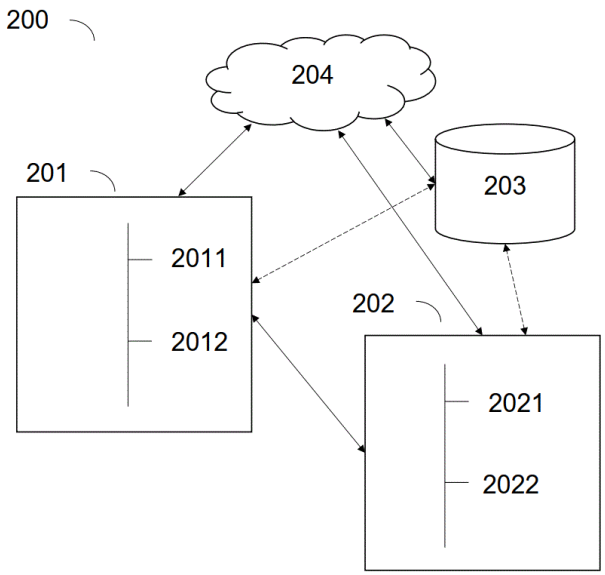


21: 2024/07998. 22: 2024/10/23. 43: 2025/04/29
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127893 32: 2024-09-21

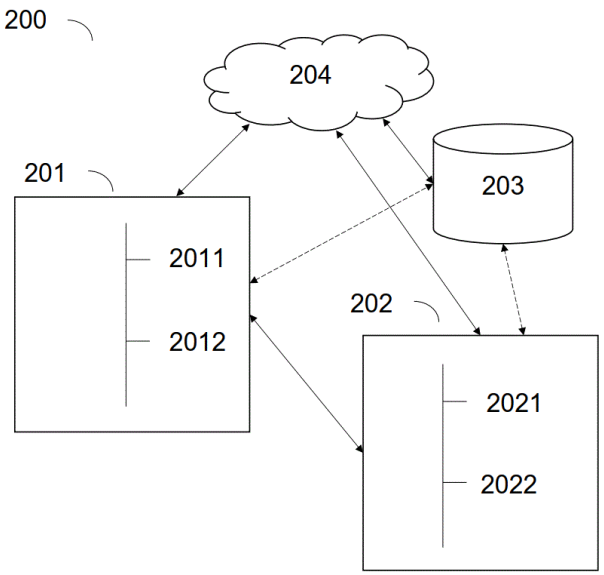
54: METHOD FOR PRE-TRAINING, OR TRAINING, OR FINE TUNING OF A CLUSTERING MODEL

00: -

The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or additional training of classification models and/or clustering models.

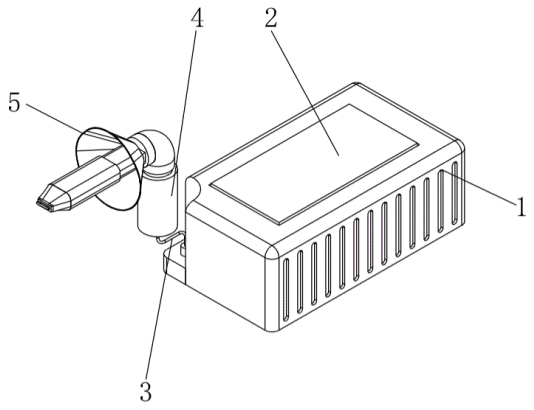


21: 2024/08000. 22: 2024/10/23. 43: 2025/05/06
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127894 32: 2024-09-21
54: METHOD FOR CLASSIFYING OF TEXT PARSING
00: -
The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or additional training of classification models and/or clustering models



21: 2024/08001. 22: 2024/10/23. 43: 2025/05/06
51: A61M
71: Hunan Cancer Hospital
72: Meijun OU, Hong CHEN, Wenxiao HUANG, Hailin ZHANG
33: CN 31: 2024224073037 32: 2024-09-30
54: VISUALIZED OROPHARYNGEAL MEDICATION DELIVERY DEVICE
00: -
The present invention discloses a visualized oropharyngeal medication delivery device, including an atomizing body, which is arranged in a rectangular structure, and a display panel is arranged at the top of the invention, and a delivery air pipe, one end of which is connected to one side of the atomizing body, and the other end of which can be connected to an atomizing cup; it also includes: a medication body, which includes a breathing mask, a fixed pipe, a movable pipe and a medication head, and the movable pipe slides outside the top of the fixed pipe. The visualized oropharyngeal medication device; the medication head is located in the center of the oral cavity, and medication can be directly applied to the inside of the oral cavity, and when the movable pipe moves outside the fixed pipe, the medication head at its top will move to the position of the pharynx, and at this time, the through hole on the fixed pipe and the reserved hole on the movable pipe are in a state of complete penetration and partial penetration with each other, so that the simultaneous medication

work inside the oral cavity and the pharynx can be completed.

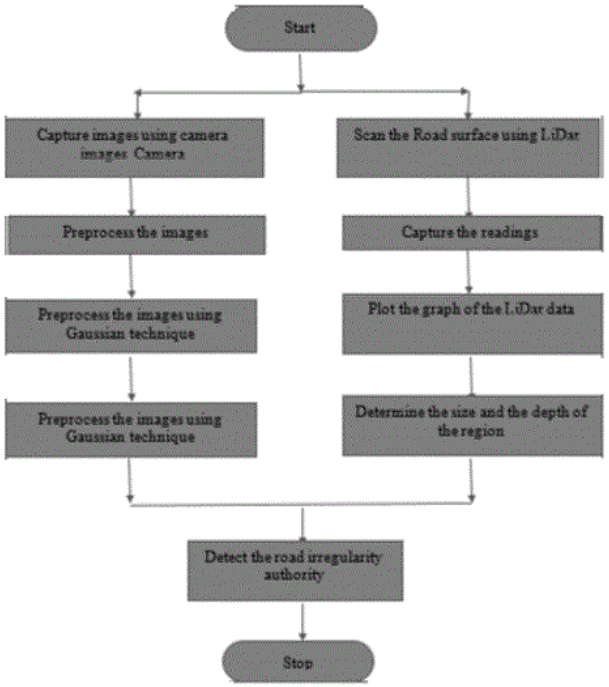


21: 2024/08002. 22: 2024/10/23. 43: 2025/04/23
51: H04W
71: DONGRE, Nilima Manoj, BUDHOLIYA, Akansha, KHAN, Zoya Fahad, DEONE, Jyoti, CHAVAN, Madhuri, SHINGANE, Priyanka, PONMALAR, R., SAWARKAR, Sudhirkumar, MANWAR, A. B., ATIQUE, Mohammad, DONGRE, Manoj M.
72: DONGRE, Nilima Manoj, BUDHOLIYA, Akansha, KHAN, Zoya Fahad, DEONE, Jyoti, CHAVAN, Madhuri, SHINGANE, Priyanka, PONMALAR, R., SAWARKAR, Sudhirkumar, MANWAR, A. B., ATIQUE, Mohammad, DONGRE, Manoj M.

54: A REAL TIME SYSTEM FOR ROAD SURFACE IRREGULARITY DETECTION IN A VEHICULAR ADHOC NETWORK

00: -

The present invention is related to a real time system for road surface irregularity detection in a Vehicular Adhoc Network. This system utilizing Vehicular Adhoc Network (VANET) technology to detect road surface irregularities. Equipping vehicles with advanced sensors like cameras, LiDAR, and GPS, collects real-time data on road conditions and vehicle dynamics. Real-time data processing algorithms identify irregularities such as potholes and cracks, enabling immediate alerts to drivers via dynamic Vehicle-to-Vehicle (V2V) communication. Additionally, Vehicle-to-Infrastructure (V2I) integration provides drivers with further road condition details. A central Smart City Control Center processes VANET data, aiding in comprehensive monitoring, prioritizing maintenance efforts, and resource allocation. This proactive approach includes a public information system disseminating road condition updates, fostering public awareness and engagement. By integrating VANET for real-time irregularity detection, this innovation aims to create safer, more efficient transportation networks, laying the groundwork for sustainable smart cities adaptable to evolving mobility needs.



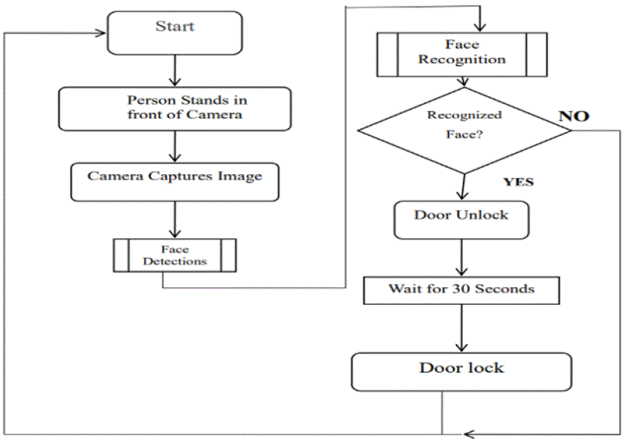
21: 2024/08003. 22: 2024/10/23. 43: 2025/04/30
51: G06T
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: BHAT, Vedyant, PATIL, Amruta Appaso, KAMBLE, Vedika Prabhakar, DESHMUKH, Minal, BANG, Arti

54: AN IOT-BASED FACE RECOGNITION DOOR UNLOCK SYSTEM

00: -

The present invention is related to an IoT-based face recognition door unlock system. a face Recognition Door Unlock System employing AI and IoT technologies for heightened home security. Overcoming previous limitations in ambient light conditions, our system achieves a remarkable 95% accuracy. The methodology involves capturing live images, converting them to grayscale to simplify algorithms, and employing the robust Haar-Cascade Algorithm for face detection. Face recognition utilizes the Local Binary Pattern Histogram (LBPH) algorithm, outperforming traditional methods like Fisherfaces and Eigenfaces. Upon successful face detection and matching with stored images, the

system sends a signal to an Arduino unit, rotating a servo motor to unlock the door; otherwise, it remains locked. This groundbreaking approach offers enhanced security, replacing conventional keys and IDs. By effectively functioning under varying light conditions, it stands as a reliable solution for bolstering home security in individuals' absence, marking a significant advancement in the field of IoT-based security systems.



21: 2024/08006. 22: 2024/10/23. 43: 2025/04/23
51: E06B
71: LOUVER-LITE LIMITED
72: GREENING, Andrew
33: GB 31: 2204696.5 32: 2022-03-31
54: CORNER BRACKET FOR A WINDOW BLIND FRAME
00: -
A snap-fit corner bracket for a window blind frame, the corner bracket including a central body element and extending from the central body element a first connector assembly and a second connector assembly, wherein the second connector assembly is angled relative to the first connector assembly; wherein each connector assembly includes a locating member; an engagement lug carried at the distal end of a resiliently deformable arm; a stop surface; and a skirt, wherein the resiliently deformable arm is spaced from the locating member and curves relative thereto; and wherein the skirt is spaced from the resiliently deformable arm and covers the stop surface.

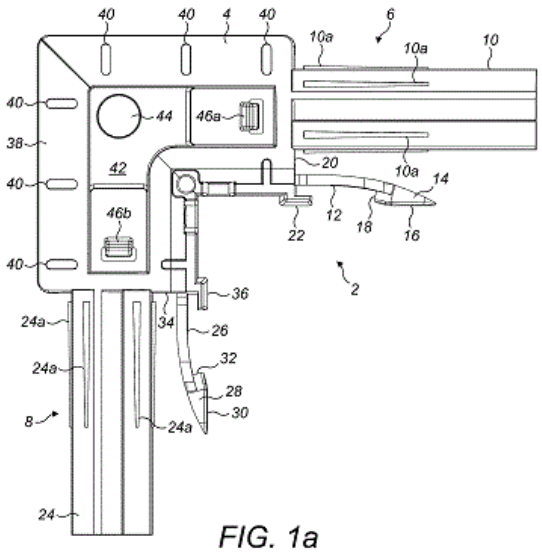
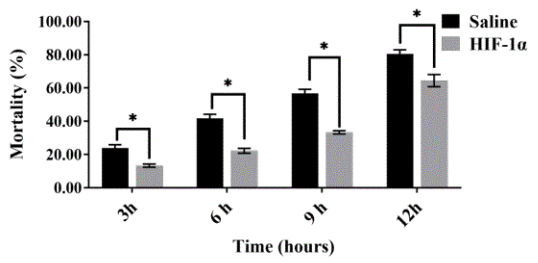
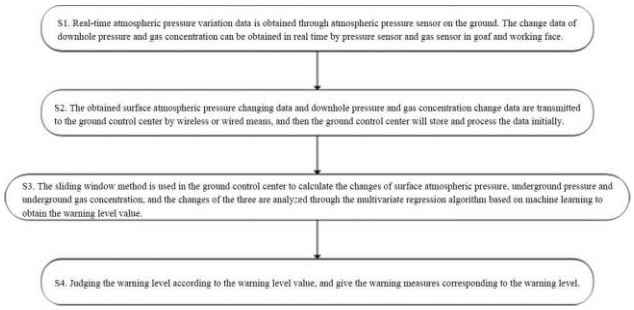


FIG. 1a

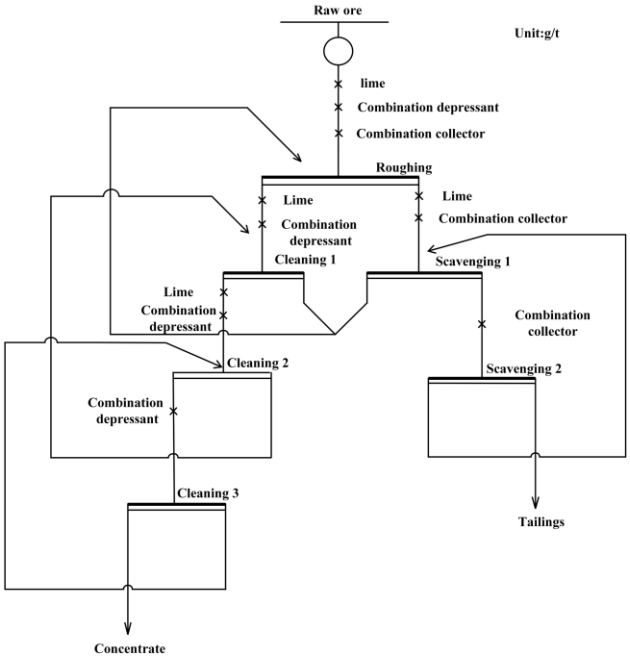
21: 2024/08035. 22: 2024/10/24. 43: 2025/04/30
51: A61K
71: Tongwei Agricultural Development Co. Ltd., Freshwater Fisheries Research Center, Chinese Academy of Fishery Sciences
72: MI, Haifeng, LIANG, Hualiang, REN, Mingchun, HUANG, Dongyu, ZHANG, Lu, TENG, Tao
33: CN 31: 202411246864.1 32: 2024-09-06
54: ACTIVATOR OF HIF-1 ALPHA AND APPLICATION THEREOF
00: -
Provided are an activator of hypoxia-inducible factor-1 alpha (hif-1 alpha) and application thereof, belonging to the technical field of physiological regulation of aquatic animals. The activator of hif-1 alpha provided by the present invention is a HIF-l alpha polypeptide, and an amino acid sequence of the HIF-1 alpha polypeptide is any one of SEQ ID NO. 1-SEQ ID NO. 3. The activator of the hif-1 alpha provided by the present invention can activate the hif-1 alpha conveniently, quickly, and efficiently, thereby improving the hypoxia tolerance and survival rate in a hypoxic water body of Carrassius auratus gibeilo. In addition, the activator has the advantages of high activation efficiency, strong specificity, safety, and reliability. The activator provided by the present invention can reduce the mortality of Carrassius auratus gibeilo in a hypoxic environment by more than 16.12 percent within 12 h after injection.



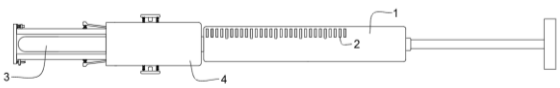
21: 2024/08041. 22: 2024/10/24. 43: 2025/04/30
51: G01N
71: Shandong University of Science and Technology, CCTEG Chongqing Research Institute
72: Shudong He, Cheng Liu, Zenghui Zhao, Zhonghua Wang, Yahu Yao, Xingang Niu
33: CN 31: 202411153008.1 32: 2024-08-21
54: A MONITORING AND EARLY WARNING METHOD AND SYSTEM OF ABNORMAL GAS EMISSION IN GOAF OF COAL MINE BASED ON NATURAL WIND PRESSURE VARIATION
00: -
The invention relates to a monitoring and early warning method and system of abnormal gas emission in goaf of coal mine based on natural wind pressure variation, belonging to the technical field of coal mine safety monitoring and early warning. The method obtains the surface atmospheric pressure variation data in real time through the surface atmospheric pressure sensor, and the underground pressure and gas concentration change data in real time through the air pressure sensor and gas sensor in the goaf and working face. The acquired surface atmospheric pressure variation data and underground pressure and gas concentration change data are transmitted to the ground control center, which carries out data storage and preliminary processing of the data. In the ground control center, the changes of surface atmospheric pressure, underground gas pressure and underground gas concentration are calculated and the warning level is obtained through analysis. According to the warning grade value, the warning measure corresponding to the warning grade is given. The system implementation of this method can ensure the safety of mine operators and the stability of mine environment.



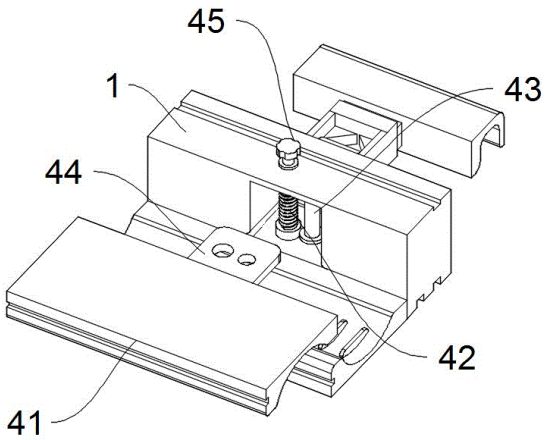
21: 2024/08042. 22: 2024/10/24. 43: 2025/04/30
51: B03D
71: Kunming University of Science and Technology
72: Dianwen Liu, Lv Zhao, Jinpeng Cai, Peilun Shen, Guohui Wang, Chen Jin, Jiaxiu Chen, Hao Lai, Jianjun Sun, Tianfu Zhang
33: CN 31: 202411338462.4 32: 2024-09-25
54: APPLICATION OF A COMBINATION DEPRESSANT IN FLOTATION SEPARATION OF ASSOCIATED GOLD-SILVER LEAD-ZINC SULFIDE ORES AND AN APPLICATION METHOD THEREOF
00: -
The invention discloses an application of a combination depressant in flotation separation of associated gold-silver lead-zinc sulfide ores and an application method thereof. The combination depressant is a combination of zinc sulfate and DL-Methionine, and the mass ratio of the two combinations is 2:1; The combined depressant is used to achieve flotation separation of associated gold-silver and low-copper lead and zinc polymetallic sulfide ore in low-alkali environment. The separation effect is good, the concentrate grade is high, the zinc content of lead concentrate is effectively reduced, and the recovery rate of gold and silver in lead concentrate is increased, which is of great significance for flotation separation and improvement of quality and efficiency of associated gold-silver and low-copper lead and zinc polymetallic sulfide ore. In addition, the DL-Methionine in the combination depressant is a small molecule organic matter, non-toxic and pollution-free, and easy to degrade, avoiding the problem that the traditional depressant is toxic, unfriendly to the environment and human body. The combination depressant has the advantages of small dosage, stable effect and good technological application prospect.



21: 2024/08044. 22: 2024/10/24. 43: 2025/05/08
51: A61B; A61D
71: HENAN PROVINCIAL ANIMAL HUSBANDRY TECHNOLOGY EXTENSION GENERAL STATION
72: WANG, Xianwei, ZHANG, Jiaqing
54: APPARATUS USED FOR CONTINUOUSLY QUANTITATIVELY INSEMINATING EWES
00: -
The present invention discloses an apparatus used for continuously quantitatively inseminating ewes that comprises: a main unit, an extension plate, a scale arranged on a surface of the main unit, a delivery tube communicating with a side surface of the main unit, a rotating rod passing through a side surface of the extension plate, a bearing seat fixed on a side surface of the rotating rod, a baffle fixed on a side surface of the bearing seat disposed away from the rotating rod, and a jam block fixed on a side surface close to the top of the baffle, and further has a protection assembly disposed on a surface of the delivery tube; wherein the protection assembly comprises a connecting sleeve fixedly connected with the conveying tube, and a sliding groove symmetrically set inside the connecting sleeve.

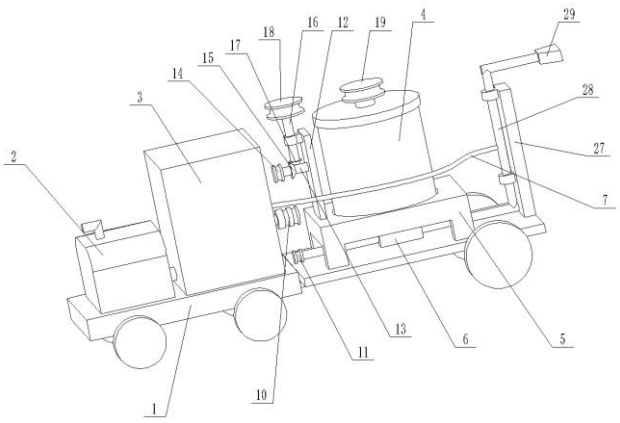


21: 2024/08050. 22: 2024/10/24. 43: 2025/05/06
51: F16M
71: China University of Petroleum (East China)
72: Chi Zhang
54: AN ULTRA-SHORT BASELINE MOUNTING BRACKET
00: -
The invention discloses an ultra-short baseline mounting bracket, belonging to the field of ultra-short baseline technology, which addresses the problem that the existing ultra-short baseline mounting brackets require the motor to remain in operation for a long time. It comprises a main housing, a mounting assembly, and a lower support block. The lower support block, which provides support for the ultra-short baseline, is fixedly installed on the side of the main housing, while a mounting assembly is arranged on the other side of the main housing. A clamping mechanism for clamping the ultra-short baseline is provided on the side of the main housing. In this invention, by setting up the clamping mechanism and the lower support block, the position of the upper clamping plate can be manually adjusted, thereby reducing the distance between the upper clamping plate and the lower support block. This allows the upper clamping plate and the lower support block to clamp and fix the ultra-short baseline located in the middle, quickly locking the position of the ultra-short baseline. During use, there is no need for the motor to remain in operation, which extends the service life of the components inside the equipment, thereby improving the stability of the equipment during operation.



21: 2024/08065. 22: 2024/10/25. 43: 2025/05/06
51: A01M
71: ZHAOQING UNIVERSITY

72: GUO Yanjun, JI Qianhua, YANG Fengmei
54: SPRAYING DEVICE FOR SPRAYING GRANULAR AND VISCOUS ORCHARD GREEN HERBICIDES
00: -
The invention discloses a spraying device for spraying granular and viscous orchard green herbicides, including a mobile cart, where a power assembly, an air compressor, a stirring barrel and a spraying assembly are sequentially installed on the mobile cart; a bracket is fixedly installed on the mobile cart, and the stirring barrel is detachably installed on the bracket, a pumping assembly is arranged below the stirring barrel, and the pumping assembly is fixedly installed on the mobile cart, an inlet end of the pumping assembly is communicated with the stirring barrel, an outlet end of the pumping assembly is communicated with the spraying assembly, and an air outlet end of the air compressor is communicated with the spraying assembly through a pipeline; an output end of the power assembly is transmission-connected with a transmission assembly, and a stirring mechanism is installed on the stirring barrel, and the stirring mechanism and the pumping assembly are both transmission-coordinated with the power assembly through the transmission assembly. The present invention atomizes the solution by pressurizing the solution with high-pressure gas, and the solution is ejected out of the nozzle at a very high speed to form atomization, which is less likely to be blocked during use, avoiding secondary spraying operations and ensuring work efficiency.



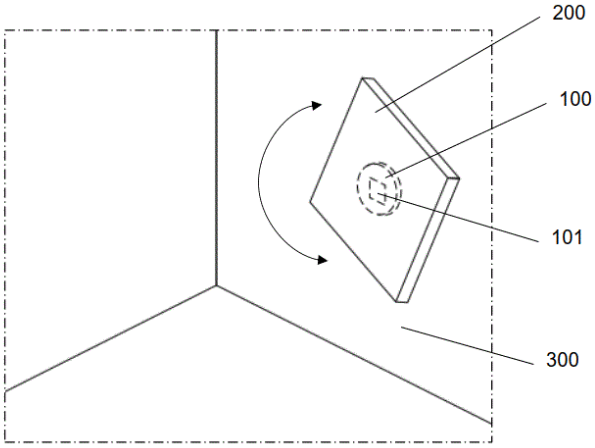
21: 2024/08066. 22: 2024/10/25. 43: 2025/05/06
51: C09J
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: FENG Qiao, DONG Yingying, LI Guili, WANG Zongtao, ZHANG Chunmei, ZHAO Yaqi
54: ONE-COMPONENT SILANE-MODIFIED POLYETHER SEALANT AND PREPARATION METHOD THEREOF
00: -
The present invention relates to the technical field of sealing materials, and provides a one-component silane-modified polyether sealant and a preparation method thereof, including MS resin (silane modified polyether resin), epoxidized vegetable oil-based plasticizer, filler, thixotropic agent, dehydrating agent, catalyst, coupling agent and auxiliary agent; by using environment-friendly epoxidized vegetable oil-based plasticizers, emissions of volatile organic compounds are significantly reduced, and it has good environmental protection performance; at the same time, by surface treating fillers including nano calcium carbonate, the mechanical properties and adhesion of the material are enhanced; the addition of fumed silica improves the rheology and workability of the sealant, and the catalyst accelerates the curing process, ensuring the rapid bonding of the sealant on a variety of substrates. The sealant of the present invention is suitable for the fields of construction, automobiles, home decoration, etc., and has excellent weather resistance, aging resistance, environmental protection and storage stability, meeting the sealing requirements in different scenarios.

21: 2024/08067. 22: 2024/10/25. 43: 2025/05/06
51: A01N
71: Dazhuo Yang
72: Dazhuo Yang
33: CN 31: 2024108056263 32: 2024-06-21
54: BANANA PANAMA DISEASE DRUG SPRAY FORMULA AND CONTROL METHOD THEREOF
00: -
The invention relates to a control technology for banana panama disease, in particular to a banana panama disease drug spray formula and a control method thereof, wherein the spray formula comprises validamycin, tricyclazole and Douchongcha. Through long-term use verification, the invention can effectively control the occurrence of Panama disease and promote the recovery and growth of diseased plants. It is especially suitable for

the prevention and treatment of banana young buds before their differentiation stage, and the therapeutic effect is remarkable.

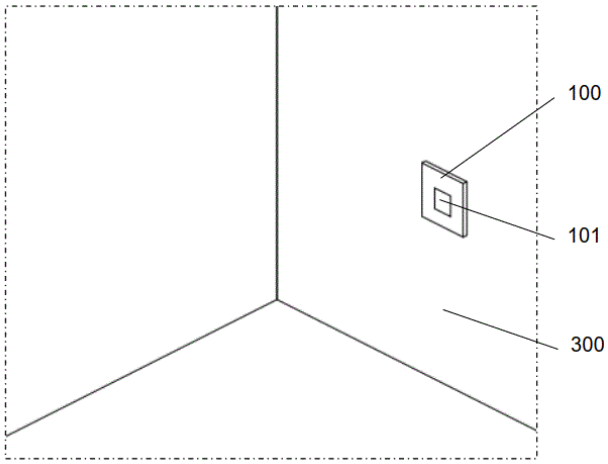
21: 2024/08088. 22: 2024/10/28. 43: 2025/04/30
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128067 32: 2024-09-23
54: VERTICALLY PLACED CAT SCRATCHING POST FOR USE WITH BRACKET
00: -

The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A vertically placed cat scratching post for use with bracket is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices.



21: 2024/08089. 22: 2024/10/28. 43: 2025/04/29
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128066 32: 2024-09-23
54: BRACKET WITH MAGNETIC ELEMENT FOR VERTICALLY PLACED PRODUCT
00: -

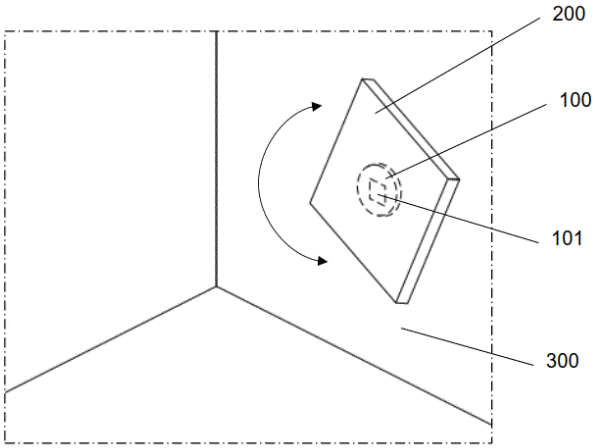
The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A bracket with a magnetic element for a vertically placed product is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices.



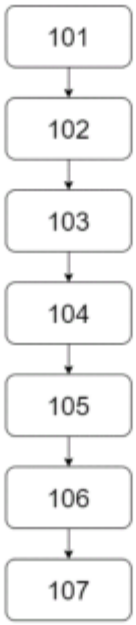
21: 2024/08090. 22: 2024/10/28. 43: 2025/04/29
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128069 32: 2024-09-23
54: VERTICALLY PLACED SCRATCHING POST WITH MAGNETIC ELEMENT FOR USE WITH BRACKET WITH MAGNETIC ELEMENT
00: -

The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A vertically placed scratching post with magnetic element for use with bracket with magnetic element is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the

usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices.

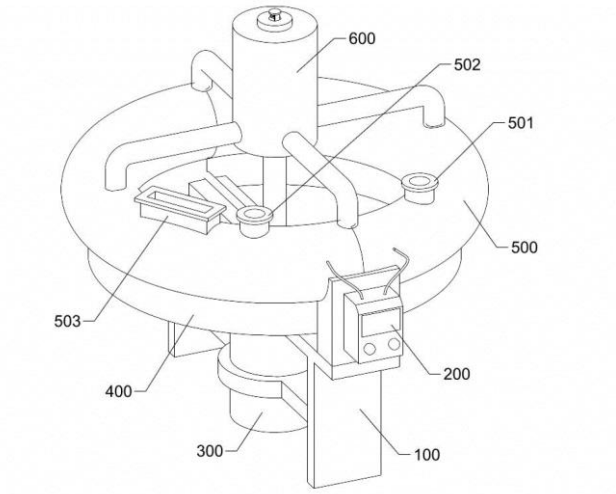


21: 2024/08091. 22: 2024/10/28. 43: 2025/04/29
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127895 32: 2024-09-21
54: METHOD FOR CLASSIFYING OF TEXT PARSING USING CLUSTERING MODEL
00: -
The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or additional training of classification models and/or clustering models.



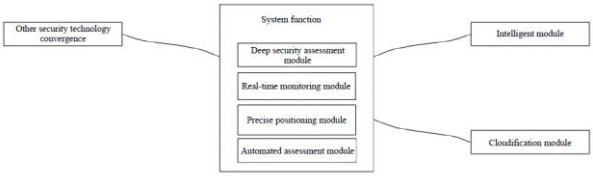
21: 2024/08092. 22: 2024/10/28. 43: 2025/05/12
51: H01M
71: Anhui Science and Technology University
72: CHEN Feng, WU Yong, SU Xiangxiang, LI Na, ZHANG Yunlai, ZHU Tingqian
54: STRIPPING DEVICE AND METHOD FOR ACTIVE MATERIALS IN WASTE LITHIUM BATTERY POLE PIECES
00: -
The present invention belongs to the technical field of stripping active materials in lithium battery pole pieces, and discloses a stripping device for active materials in waste lithium battery pole pieces, including a mounting bracket, where a ring-shaped stripping chamber is fixedly connected to the mounting bracket, a rotating ring is slidably connected through the ring-shaped stripping chamber, an equally divided rotating ring is fixedly connected to the rotating ring, hot gas circulation pipes distributed in a circumferential array are fixedly connected to the ring-shaped stripping chamber, a piston chamber is fixedly connected to the hot gas circulation pipes, a sliding piston is slidably connected to the piston chamber; according to the present invention, the rotating ring and the ring-shaped stripping chamber are arranged in cooperation, and the rotating ring and the ring-shaped stripping chamber rotate synchronously driven by the driving motor, so that the lithium

battery pole pieces on the equally divided rotating ring are uniformly distributed in the inclined plane of the rotating ring under the resistance of electrolyte in the ring-shaped stripping chamber, and the lithium battery pole pieces are uniformly close to the electrolytic electrodes through the uniform rotation of the equally divided rotating ring.



21: 2024/08093. 22: 2024/10/28. 43: 2025/04/29
51: G06F
71: Insititute Of Network Technology (Yantai), Shandong Broadcasting and Television Info-com Operation Company Limited
72: Haiyang WANG, Bing ZHAO, Yifan DONG, Jie CHU, Shenqiang WANG, Lei HUANG, Qingyun XIN
54: SYSTEM FOR DEEP SECURITY ASSESSMENT OF MOBILE APPLICATION BASED ON TAINT ANALYSIS
00: -

The present invention belongs to the technical field of information security, and in particular, relates to a system for deep security assessment of a mobile application based on taint analysis, including a system function, which includes a deep security assessment module, a real-time monitoring module, a precise positioning module, and an automated assessment module. By means of the deep security assessment module, the system deeply analyzes code logic, a direction of data flow and privilege usage conditions of the mobile application, and can comprehensively detect various security vulnerabilities. The real-time monitoring module monitors a flow direction of sensitive data in real time when the mobile application is running, and finds a potential security issue in time. The precise positioning module accurately points out a location of a security vulnerability, and provides detailed fixing suggestions. The automated assessment module reduces manual intervention, and improves assessment efficiency and accuracy. In addition, combining with intelligentization, cloudification and other security technology convergence provides all-round and dynamic security guarantee for the mobile application, thereby reducing risks caused by security vulnerabilities, and protecting the privacy and property security of a user.

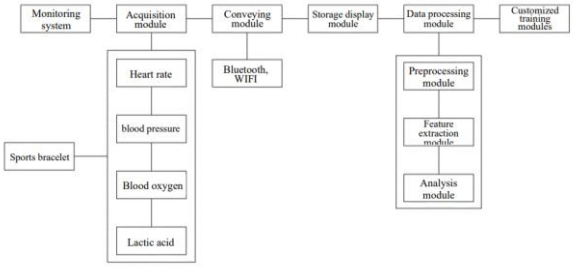


21: 2024/08094. 22: 2024/10/28. 43: 2025/04/29
51: C01B
71: Beijing Research Institute of Chemical Engineering and Metallurgy, CNNC
72: Li Guang, Su Xuebin, Liu Zhichao, Li Chunfeng, Liu Kang, Liu Huiwu, Liu Zhongchen, Cheng Hao, Tian Yuhui, Zhang Chen, Ma Jia, Hou Xianming, Zhang Shouxun
33: CN 31: 2024113373371 32: 2024-09-25
54: A METHOD FOR THE RESOURCE UTILIZATION AND DISPOSAL OF ALKALINE WASTE LIQUOR FROM ZIRCON METALLURGY
00: -

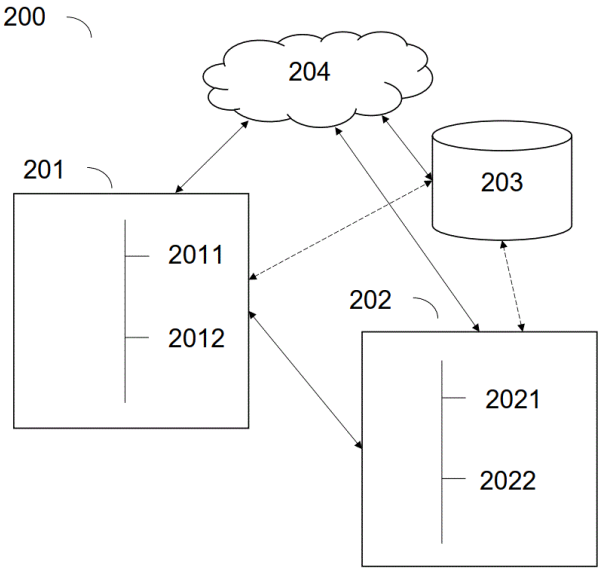
The invention relates to the field of mineral processing technology, specifically to a method for the resource utilization and disposal of alkaline waste liquor from zircon metallurgy. The method includes the following steps: Performing chemical analysis of the contents of OH-, Na2O, and SiO2 in the zircon metallurgy alkaline waste liquor. Calculating the amount of white carbon black to be added based on the reaction equations (4) and (5) of the main components in the zircon metallurgy alkaline waste liquor and the modulus of the water glass to be prepared. White carbon black is added to the zirconium metallurgical waste alkali liquid under closed and stirring conditions to react and obtain water glass. The invention converts the zirconium metallurgical waste alkali liquid into treasure by the method of generating water glass, and can achieve

the purpose of resource disposal of the zirconium metallurgical waste alkali liquid.

21: 2024/08095. 22: 2024/10/28. 43: 2025/04/29
51: A61B
71: Hebei Sports Science Institute (Anti-Doping Service Center of Hebei Sports Bureau)
72: Lihong GONG, Guojun LI, Qilin XU, Guannan ZHANG, Pengyi WEI, Jingru WANG
33: CN 31: 2024113090616 32: 2024-09-19
54: METHOD FOR MONITORING SPORTS PHYSIOLOGICAL DATA
00: -
The present invention relates to the field of human physiological data monitoring, and specifically to a method for monitoring sports physiological data, comprising a monitoring system, wherein the monitoring system comprises an acquisition module, a conveying module, a storage and display module, a data processing module and a customized training module; the monitoring system comprises the acquisition module, the conveying module, the storage and display module, the data processing module and the customized training module which are electrically connected to each other, the acquisition module monitors the heart rate of the monitor in real time through a sports bracelet, and provides personalized training suggestions for athletes or sports enthusiasts through accurate physiological data monitoring and analysis, optimizes training plans, improves sports performance, reduces the risk of sports injuries, uses sports physiological data to monitor the health status of individuals, discovers potential health problems at an early stage, formulates scientific exercise and diet plans, and prevents the occurrence of chronic diseases. The development of related technologies is promoted through research on sports physiological data processing and analysis methods.

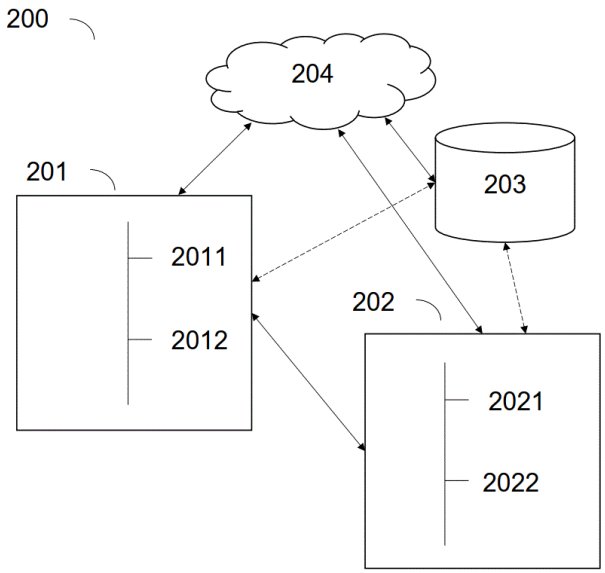


21: 2024/08096. 22: 2024/10/28. 43: 2025/04/29
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127908 32: 2024-09-21
54: COMPUTER DEVICE FOR AUTOMATED PROCESSING OF NATURAL LANGUAGE TEXT
00: -
The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. A computer device for automated processing of natural language text is proposed. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or fine tuning of classification models and/or clustering models.

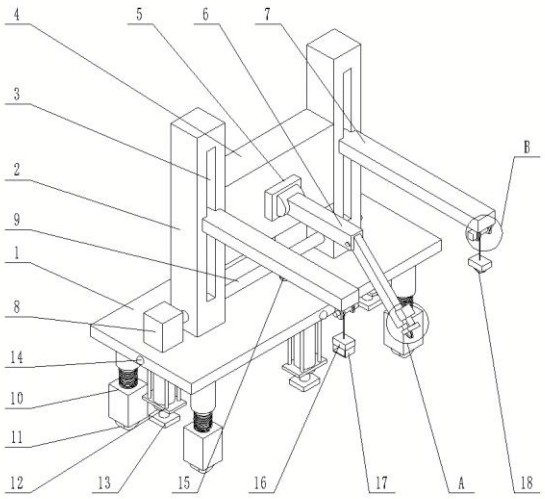


21: 2024/08097. 22: 2024/10/28. 43: 2025/04/29
51: G06F

71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127918 32: 2024-09-21
54: COMPUTER DEVICE FOR PRE-TRAINING, OR TRAINING, OR FINE TUNING OF A CLUSTERING MODEL
00: -
The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or additional training of classification models and/or clustering models.

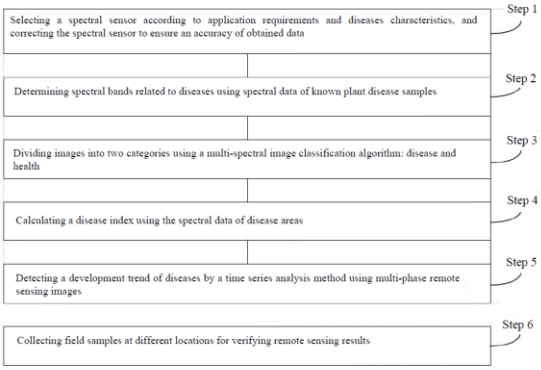


21: 2024/08098. 22: 2024/10/28. 43: 2025/04/29
51: E04G
71: Zhengzhou University of Aeronautics
72: HOU Xiaoying
54: QUICK POSITIONING ASSEMBLED INSTALLER
00: -
The invention discloses a quick positioning assembled installer, which relates to that technical field of building installation, and comprises a flat plate, wherein a moving component is installed on the bottom surface of the flat plate; the top surface of the flat plate is fixedly connected with upright posts; two upright posts are slidably connected with positioning rods; one end of the positioning rods is provided with a winding component; the winding component is fixedly connected with a steel wire rope; the bottom of the steel wire rope is fixedly connected with hanging boxes; any hanging box is internally provided with a sliding component; the bottom surface is provided with a bearing plate; the bearing plate is fixedly connected with the sliding component; and the bottom surface of another hanging box is fixedly connected with a bearing ring; a connecting plate is fixedly connected between the two upright posts, a connecting seat is fixedly connected to one side of the connecting plate, a mechanical arm is installed on the connecting seat, a rotating component is fixedly connected to the side wall of one end of the mechanical arm, the rotating component is connected with a mechanical claw in a transmission way, the top end of the connecting plate is provided with an lighting component, and the lighting component comprises a lifting rod and a rotatable lighting lamp, and the lifting rod is fixedly connected with the top end of the connecting plate. The invention has strong mobility, is convenient for the quick positioning and installation of the beam and the reinforcing rod, improves the working efficiency and shortens the construction period.



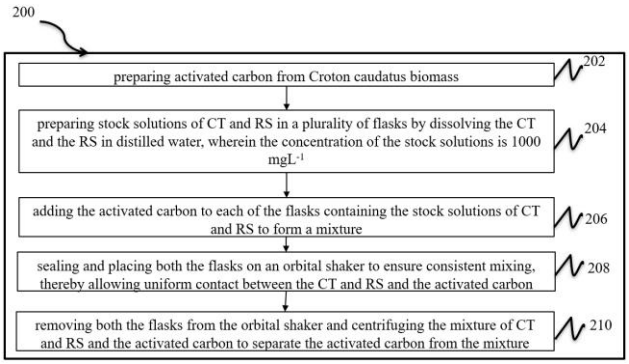
21: 2024/08101. 22: 2024/10/28. 43: 2025/04/29
51: G06F
71: Gansu Agricultural University
72: Chen Yanli, Zhang Zhengzhong, Wei Yanping
54: METHOD FOR STATISTICALLY ANALYZING SEVERITY OF PLANT DISEASES
00: -

The present invention provides a method for statistically analyzing the severity of plant diseases, including the following steps. In step 1: according to application requirements and disease characteristics, a spectrum sensor is selected to ensure accuracy of the obtained data is corrected. In step 2: spectral bands related to the diseases are determined by using spectral data of known plant disease samples. In step 3: images are divided into two categories: disease and health, by using a multi-spectral image classification algorithm. In step 4: a disease index is calculated by using the spectral data of the disease area. In step 5: a development trend of diseases is detected by time series analysis method by using multi-phase remote sensing images. In step 6: field samples are collected at different locations for validation of remote sensing results. In the present invention, technical means including spectral analysis, image classification, index calculation and time series analysis are comprehensively used to solve problems of spectral resolution in plant disease severity analysis, which not only helps to accurately identify diseases, but also provides dynamic monitoring and analysis capabilities.



21: 2024/08102. 22: 2024/10/28. 43: 2025/04/29
51: C02F
71: Nagaland University, SHISAK SHARMA, NANDINI PRIYAM RAJKUMARI, PARIMAL CHANDRA BHOMICK, CHUBAAKUM PONGENER, DIPAK SINHA
72: SHISAK SHARMA, NANDINI PRIYAM RAJKUMARI, PARIMAL CHANDRA BHOMICK, CHUBAAKUM PONGENER, DIPAK SINHA
54: A METHOD FOR ADSORPTION OF CATECHOL AND RESORCINOL ON CROTON CAUDATUS ACTIVATED CARBON

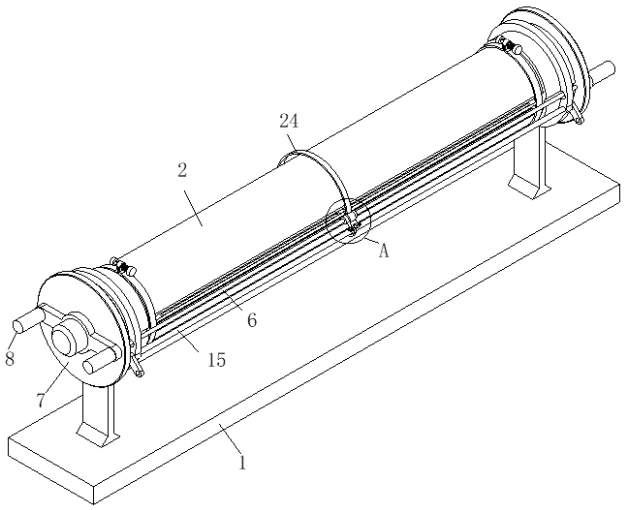
00: -
A method (100) for adsorption of Catechol (CT) and Resorcinol (RS) on Croton Caudatus activated carbon (CCAC), wherein the method (100) comprises collecting Croton caudatus activated carbon (CCAC); preparing stock solutions of CT and RS in a plurality of flasks by dissolving the CT and the RS in distilled water, wherein the concentration of the stock solutions is 1000 mgL-1; adding the activated carbon to each of the flasks containing the stock solutions of CT and RS to form a mixture; sealing and placing both the flasks on an orbital shaker to ensure consistent mixing, thereby allowing uniform contact between the CT and RS and the activated carbon; and removing both the flasks from the orbital shaker and centrifuging the mixture of CT and RS and the activated carbon to separate the activated carbon from the mixture.



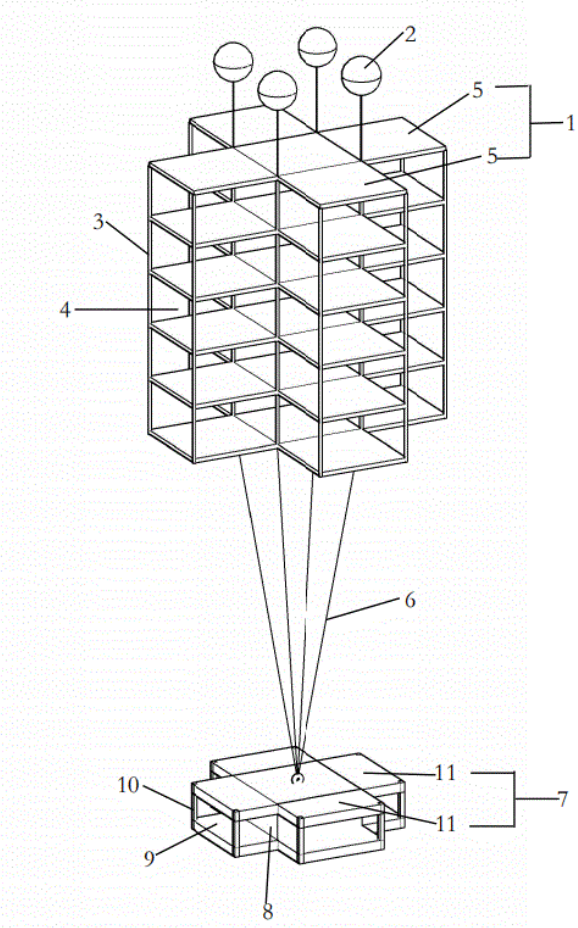
21: 2024/08103. 22: 2024/10/28. 43: 2025/04/29
51: H01C
71: HEFEI NO. 7 HIGH SCHOOL
72: Su Yiwen
33: CN 31: 202410070388.6 32: 2024-01-17
54: PROGRAMMABLE ADJUSTABLE SLIDING RHEOSTAT

00: -
The present invention relates to the field of circuit elements, and in particular to a programmable adjustable sliding rheostat, including a base plate, a cylinder being erected on an upper surface of the base plate, and a resistance coil being tightly wound on the cylinder. Concave portions are symmetrically disposed at two sides of the cylinder, the concave portions are disposed along an axial direction of the cylinder, and interiors of the concave portions are slidably connected to conductive components; the conductive components comprise pushing blocks, telescopic grooves are disposed on the pushing

blocks at positions opposite to the concave portions, electric conductors connected by springs are arranged in the telescopic grooves, and the electric conductors may slide along the resistance coil on inner concave surfaces. A movement of the pushing blocks drive the electric conductors to slide in the concave portions, and the electric conductors stably squeezes on a surface of the resistance coil by an elastic force of the springs. Screw rods drive the pushing blocks, and the electric conductors are connected to the pushing blocks by the springs, which can ensure that the electric conductor squeezes on the surface of the resistance coil with a stable pressure, realizing a protection of the resistance coil. At the same time, a resistance value of a sliding rheostat connected to a circuit can be controlled by an adjustment knob, which can arouse students' interest in an experiment.

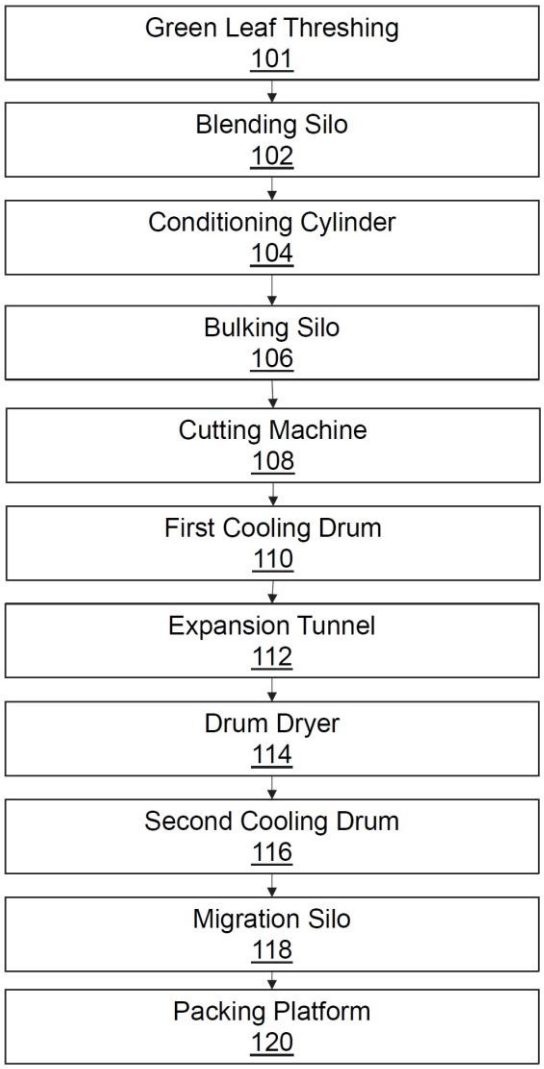


21: 2024/08104. 22: 2024/10/28. 43: 2025/04/29
51: A01K
71: HAINAN TROPICAL OCEAN UNIVERSITY
72: YANG, Chaojie, ZHAO, Xinli, JIA, Chuan, FU, Qionglin, PENG, Zongbo, WANG, Aimin
33: CN 31: 202421413982.2 32: 2024-06-20
54: FLOATING FISH REEF AND FLOATING-SINKING COMPOUND FISH REEF
00: -
The present invention provides a floating fish reef and floating-sinking compound fish reef. The fish reef includes at least two layers of lightweight plates and buoyancy balls. Horizontally placed lightweight plates are arranged at intervals in the height direction, to form a cavity I in an interval area between adjacent lightweight plates. A topmost lightweight plate is arranged with the buoyancy balls, and an upper layer horizontally placed lightweight plate shades the cavity I from sunlight, avoiding the sunlight directly into the cavity I. A lower layer horizontally placed lightweight plate serves as a base plate of the cavity I to provide a nesting place for fish, to attract more upper layer fish to inhabit at an interior of the fish reef, achieving an object of gathering the upper layer fish.



21: 2024/08108. 22: 2024/10/28. 43: 2025/05/02
51: A24B
71: TANDEM TECHNOLOGY PROPRIETARY LTD
72: TIEFENBACHER, Klaus, DE KOKER, Kobus, KOK, Neels Peter
33: ZA 31: 2022/06026 32: 2022-05-31
54: PROCESS AND EQUIPMENT FOR MANUFACTURING CUT RAG
00: -
A process and equipment for manufacturing cut rag is disclosed. The process includes the steps of obtaining threshed tobacco leaves in which leaf

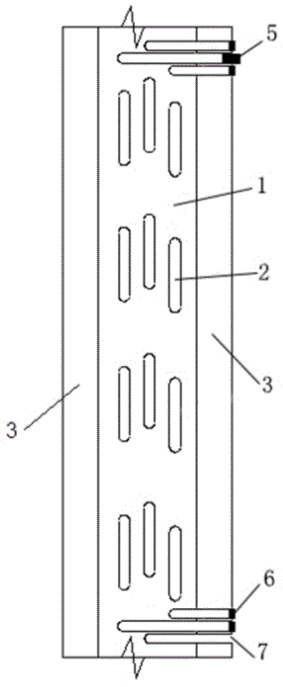
lamina is separated from leaf stem. The lamina is then subjected to a conditioning step in a conditioning cylinder (104) and then fed into a cutting machine (108) which cuts the lamina into strands. The cut lamina is cooled in a first cooling drum (110) and exposed to steam in an expansion tunnel (112). Thereafter, the lamina is dried with either co-current or counter-current airflow in a drum dryer (114) and then cooled in a second cooling drum (116) with low humidity cold air. Finally, the cut lamina is packaged on a packing platform (120) as cut rag.



21: 2024/08109. 22: 2024/10/28. 43: 2025/04/30
51: E04G; G01M
71: Jiangsu Guangyue Energy Saving Technology Co., Ltd.
72: Shudong YANG

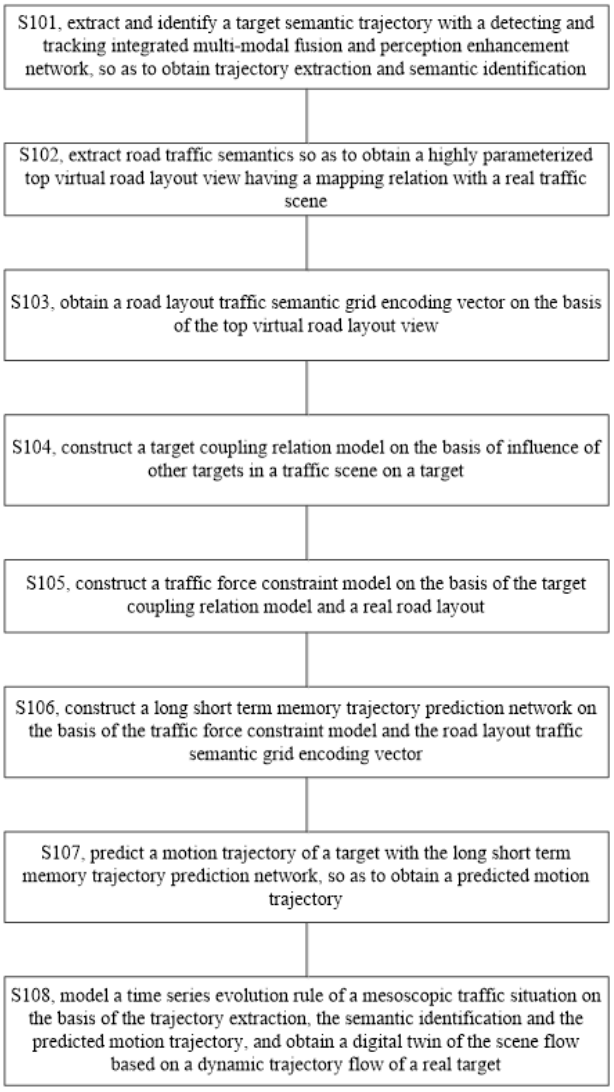
33: CN 31: 2022104266600 32: 2022-04-21
54: CONCRETE DETECTION, REPAIR, AND MONITORING INTEGRATED PROTECTION SYSTEM AND IMPLEMENTATION METHOD
00: -

Provided are a concrete detection, repair, and monitoring integrated protection system and implementation method. The system comprises a protection module, a sensor (5), a processor, and a warning apparatus. The protection module comprises: an enclosing structural body (1); a protective sealing layer (3); and independent cavity layers (2). The protective sealing layer (3) is arranged on an outer surface of the enclosing structural body (1); a plurality of independent cavity layers (2) are arranged at layers in the enclosure structure body (1), cavity openings (7) are formed on the outer surface of the protective sealing layer (3), and a sensor (5) and a sealing cover (6) can be installed at a cavity opening (7). The sensor (5) establishes a signal connection with the processor; and the processor establishes a signal connection with the warning apparatus. The concrete detection, repair, and monitoring integrated protection system has a good protective sealing effect and facilitates maintenance and monitoring.



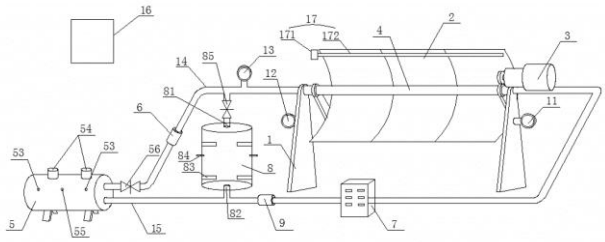
21: 2024/08128. 22: 2024/10/28. 43: 2025/04/30
51: G06F

71: CHANG'AN UNIVERSITY
72: LIU, Zhanwen, FAN, Xing, LIN, Shan, LI, Chao, ZHAI, Jun, FANG, Yanming, FAN, Songhua, WANG, Zijian, YANG, Nan, XUE, Zhibiao, FAN, Jin, CHENG, Juanru, JIANG, Yuande, ZHANG, Litong
33: CN 31: 202210461605.5 32: 2022-04-28
54: SCENE FLOW DIGITAL TWIN METHOD AND SYSTEM BASED ON DYNAMIC TRAJECTORY FLOW
00: -
A scene flow digital twin method and system, which method and system belong to the field of traffic control. The method comprises: performing extraction and identification on a target semantic trajectory by using a detection and tracking integrated multi-modal fusion perceptual enhancement network (S101); performing road traffic semantic extraction to obtain a highly parameterized virtual road layout top view (S102); acquiring a road layout traffic semantic grid coded vector on the basis of the virtual road layout top view (S103); constructing a target coupling relationship model (S104); constructing a traffic capacity constraint model (S105); constructing a long short-term memory trajectory prediction network (S106); predicting a movement trajectory of a target by using the long short-term memory trajectory prediction network, so as to obtain a predicted movement trajectory (S107); and obtaining a scene flow digital twin on the basis of trajectory extraction, semantic identification and the predicted movement trajectory (S108).



21: 2024/08137. 22: 2024/10/29. 43: 2025/04/30
51: E01C
71: Henan Agricultural University, Henan Jiuyi Environmental Protection Technology Co., Ltd.
72: LIU, Shengyong, WANG, Zhenzhong, ZHEN, Zi'ang, KONG, Lingchen, XU, Rubing, QING, Chunyao, GAO, Linchao, LI, Shixin, LI, Lianhao, LIU, Chunyu, HUANG, Li, TAO, Hongge, REN, Changzhong, LIU, Tingting, SUO, Feng, JIA, Zhuoya, ZHAO, Dengke, LV, Tengfei, MA, Zhuohui, CHEN, Siyu, XU, Yanshen
54: ASPHALT HEATING SYSTEM
00: -
The present invention relates to the technical field of asphalt heating, and discloses an asphalt heating system, including a solar concentrating collector, an asphalt heating tank, a heat storage tank, a heating device, a cleaning device and a control system;

wherein, a hot fluid is delivered into the asphalt heating tank for asphalt heating, and the heat storage tank can accommodate and store the hot fluid; the heating device is arranged on the heat storage tank and configured to heat the fluid in the heat storage tank, and the cleaning device is arranged on the solar concentrating collector and configured to clean the solar concentrating collector. The asphalt heating system provided by the present invention reduces energy consumption.

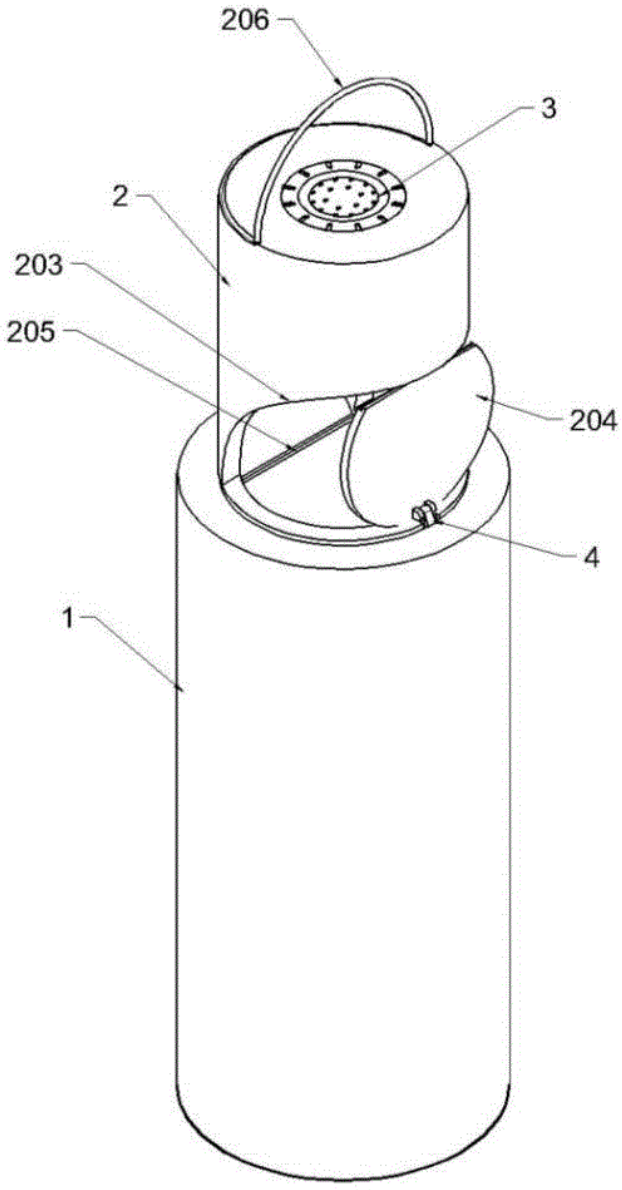


21: 2024/08138. 22: 2024/10/29. 43: 2025/04/30
51: E01C
71: Zhengzhou University of Aeronautics
72: ZHU Xiaojuan

54: POROUS DRAINAGE STRUCTURE AND WATER CIRCULATION SYSTEM FOR SPONGE CITIES

00: -

The invention belongs to the technical field of drainage and water storage structures, and in particular relates to a porous drainage structure and a water circulation system for sponge cities, including an outer cylinder structure, where an outer cylinder is vertically arranged, the bottom end of the outer cylinder is hinged with an odor-resistant blocking plate, a magnet block I is embedded in one end of the odor-resistant blocking plate far from the hinged end, a magnet block II is embedded at the bottom edge of the outer cylinder, the odor-resistant blocking plate is sucked and sealed with the bottom end of the outer cylinder through the magnet block I and the magnet block II, the inner side of the outer cylinder is vertically and slidably connected with a sliding cylinder structure, the bottom end of the sliding cylinder structure is hinged with a coarse filter screen, and one end of the coarse filter screen is connected with a limit pulling structure; the top end of the sliding cylinder structure is fixedly connected with an inner filter cylinder structure, and a plurality of filter cylinder slots are arranged on the peripheral side of the inner filter cylinder structure; the bottom end of the inner filter cylinder structure is detachably connected with a fine filter screen; and the top end of the inner filter cylinder structure is open, and the inner side of the inner filter cylinder structure is vertically and slidably connected with a lifting leak plate structure. The invention can drain water according to different degrees of rainfall, and is durable and easy to maintain.

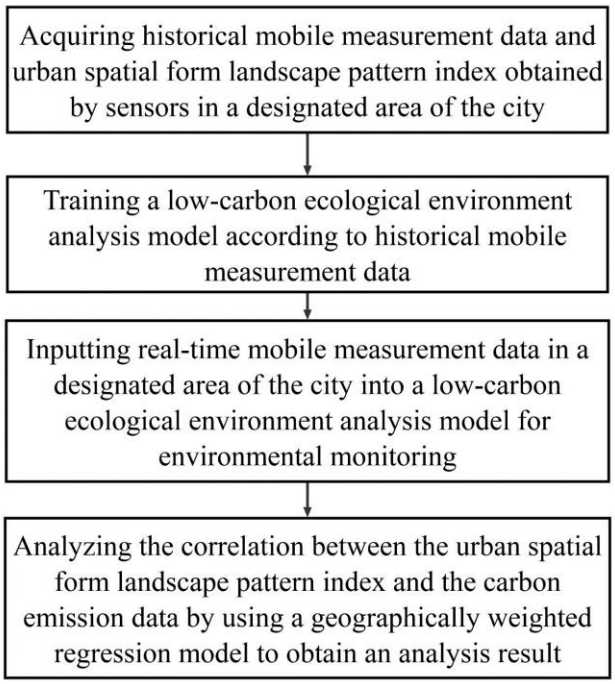


21: 2024/08139. 22: 2024/10/29. 43: 2025/04/30
51: G06F
71: Zhengzhou University of Aeronautics, North China University of Water Resources and Electric Power
72: LIU Ying, ZHAO Rongqin

54: ECOLOGICAL ENVIRONMENT ANALYSIS METHOD AND SYSTEM FOR LOW-CARBON URBAN AGGLOMERATION

00: -

The invention discloses an ecological environment analysis method and system for low-carbon urban agglomeration, including the following steps: step S1, acquiring historical mobile measurement data and urban spatial form landscape pattern index obtained by sensors in a designated area of the city; step S2, training a low-carbon ecological environment analysis model according to historical mobile measurement data; step S3, inputting real-time mobile measurement data in a designated area of the city into a low-carbon ecological environment analysis model for environmental monitoring to obtain carbon emission data; and step S4, analyzing the correlation between the urban spatial form landscape pattern index and the carbon emission data by using a geographically weighted regression model to obtain an analysis result. By adopting the technical scheme of the invention, it can be combined with urban grid governance, flexibly carry out big data monitoring according to local conditions, achieve low-carbon goals, and improve the quality of human settlements in a refined way.



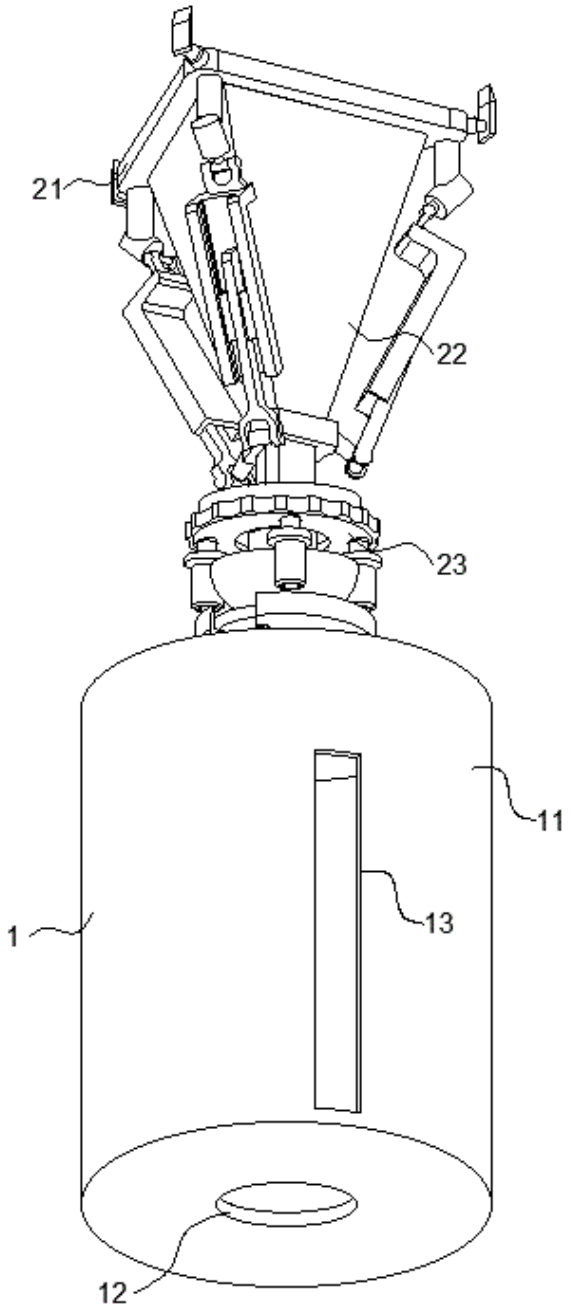
21: 2024/08140. 22: 2024/10/29. 43: 2025/05/12
51: A01C

71: Anhui Science and Technology University, Anhui Fengkang Agricultural Technology Co., Ltd
72: GAO Hongmei, DING Zhigang, WANG Pingyang, WANG Shuo, CHEN Jinrong, LI Xue, LI Zhen, MAO Xiaoyan, GAN Baoshun

54: AUXILIARY SOAKING DEVICE FOR GERMINATION OF BROWN RICE

00: -

The invention discloses an auxiliary soaking device for germination of brown rice, and belongs to the technical field of brown rice processing, including an auxiliary shell and an auxiliary unit. Workers can adjust the spreading degree of the assembly strip by adjusting the sliding distance of the slider in the inner cavity wall of the assembly strip. When the slider slides downward, the slider drives the sliding joint strip downward to push, which lengthens the overall length of the adjusting mechanism, so that the inner end surface of the assembly strip can be clamped and attached to the outer end surface of the assembly cylinder, thereby increasing the contact area between the auxiliary unit as a whole and the brown rice, and processing the brown rice with finer particles. When the slider drives the sliding joint strip downward to push, the overall length of the adjusting mechanism is shortened, so that the contact area of the whole device to brown rice is reduced; while the auxiliary unit stirs the brown rice, an appropriate amount of clear water is added to the inner cavity of the outer shell to increase the humidity of the brown rice, so that the working effects of dry stirring and wet stirring of the brown rice by the whole device can be met.

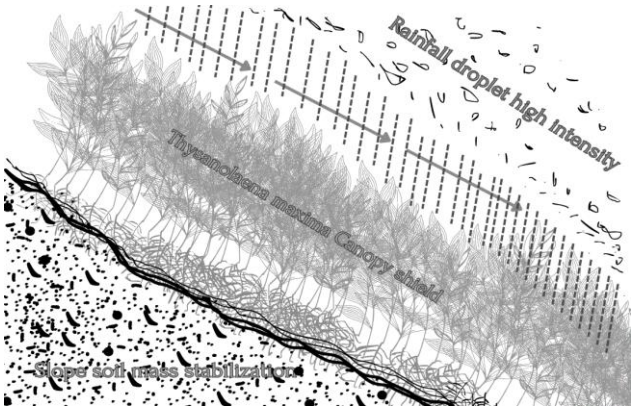


21: 2024/08141. 22: 2024/10/29. 43: 2025/04/30
51: C09K
71: Qinghai University
72: LYU Ting, GUO Lizhi, ZHANG Yu, FAN Luze
54: SOIL IMPROVER FOR IMPROVING SURVIVAL RATE OF PLANT CULTIVATION
00: -

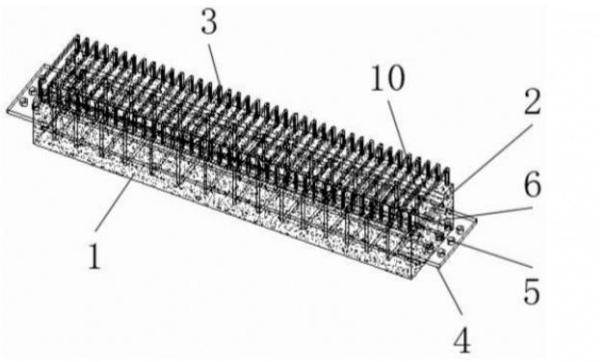
The invention provides a soil improver for improving survival rate of plant cultivation, and belongs to the technical field of soil improvement. The soil improver of the invention includes the following raw materials in parts by weight: 8-10 parts of bark, 12-16 parts of water-absorbent polymer, 6-8 parts of humic acid, 2-5 parts of microbial bacteria powder, 5-10 parts of turfy soil and 15-18 parts of inorganic fertilizer, where the microbial bacteria powder includes Bacillus amyloliquefaciens powder and Bacillus subtilis powder, and the water-absorbent polymer includes starch grafted acrylic acid copolymer and polyacrylamide. The soil improver can not only increase the nutrient elements in the soil and improve the water retention capacity of the soil, but also strengthen the absorption capacity of plant roots to water and nutrient elements, thus comprehensively improving the soil in arid areas and improving survival rate of plant cultivation.

21: 2024/08142. 22: 2024/10/29. 43: 2025/04/30
51: A01C; E02B
71: Dr. Laydong Lepcha, Dr. Sanjoy Guha Roy
72: Dr. Laydong Lepcha, Dr. Sanjoy Guha Roy
33: IN 31: 202431042687 32: 2024-06-01
54: A METHOD OF PLANTING THYSANOLAENA MAXIMA FOR PREVENTING LANDSLIDES
00: -

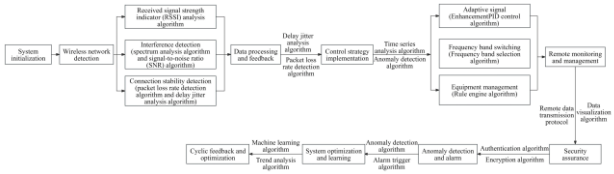
The invention relates to a method for preventing landslide activities in landslide-prone zones by utilizing Thysanolaena maxima (Broom plant). The method involves selecting healthy Thysanolaena maxima clusters, each consisting of 10 stems, with specified height, root length, root extension breadth, shoot height, and canopy breadth. These clusters are planted within a distance of 1 meter apart (104). The fibrous root system of Thysanolaena maxima enhances root shear strength, stabilizes the soil, and prevents landslides (112). Additionally, the method includes maintaining the soil microbial system by introducing Vesicular Arbuscular Mycorrhiza (VAM) Glomus sp. rich soil samples. The invention also employs a specific gene, Cladophialophora sp., found in the rhizospheric part of Thysanolaena maxima (114), which aids in the biodegradation of pollutants like BTEX compounds. This comprehensive approach not only mitigates landslides but also promotes environmental conservation and pollution control.



21: 2024/08143. 22: 2024/10/29. 43: 2025/04/30
51: E04C
71: Xinyu University
72: Wang chengyuan, Teng wenhao, Han lei, Cai yunfang, Guo yujie, Zhang yang, Cui shengchao, Zhang wu, Zhang jianying, Zhang yucheng, Liu xu, Li zhen, Zhou yijing, Xu yiran, Chen xiaomeng, Gong yi, Long chunxiao, Zhan congwei, Hu rong
33: CN 31: 2024201561549 32: 2024-01-23
54: AN ASSEMBLED PREFABRICATED HYBRID FIBER AND SOLID WASTE MICROPOWDER RECYCLED CONCRETE COMPOSITE BEAM
00: -
This invention belongs to the field of materials technology used in building construction, specifically to an assembled prefabricated hybrid fiber solid waste micropowder recycled concrete composite beam. The composite beam includes a concrete beam body with a vertical groove in the center of its top, and a truss positioned above the vertical groove. By incorporating waste hybrid fibers and solid waste micropowder into the concrete beam body, this design enables the recycling of these waste materials, enhances the load-bearing capacity of the prefabricated concrete beam, and improves its strength. The connection between the through reinforcement in the concrete beam and perforated steel plates facilitates the connection between standard concrete columns and prefabricated composite beams. Additionally, a cast-in-place layer is designed to secure the beam and slab by applying a secondary concrete pour between the groove and the truss, making the connection between the prefabricated composite beam and the floor slab more stable.



21: 2024/08145. 22: 2024/10/29. 43: 2025/04/30
51: H04Q
71: Jiaxing Vocational & Technical College
72: Wenhong Xiao, Shuangxi Chen, Chunfang Gao
54: INTEGRATED WIRELESS NETWORK DETECTION AND CONTROL METHOD
00: -
The invention discloses an integrated wireless network detection and control method, which relates to the technical field of wireless communication and network management. This method, by continuously monitoring the signal strength, interference, and connection stability of wireless networks, can grasp the network status in real-time, promptly detect and address issues, and ensure network stability. Through time series analysis and signal strength trend analysis, it generates detailed network performance reports, providing data support for subsequent optimization strategies. Users can remotely monitor network status through a Web interface or App and make adjustments as needed, which is flexible and convenient, especially suitable for distributed network environments.

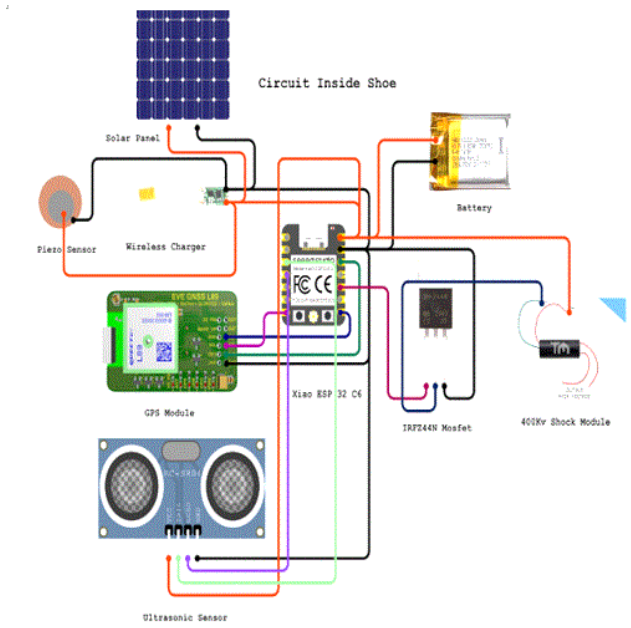


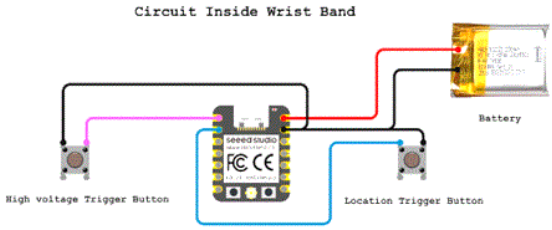
21: 2024/08146. 22: 2024/10/29. 43: 2025/04/30
51: A61B
71: Dr Abdullah Khalaf Alanazi, Mr Avik Agarwala, Mr Sagnik Bhattacharya, Mr Alik Agarwala, Ms Sayantana Halder, Mr Rajdeep Banerjee, Mr Soumyajit Ghosh, Dr Tanay Pramanik
72: Dr Abdullah Khalaf Alanazi, Mr Avik Agarwala, Mr Sagnik Bhattacharya, Mr Alik Agarwala, Ms Sayantana Halder, Mr Rajdeep Banerjee, Mr Soumyajit Ghosh, Dr Tanay Pramanik

54: A SMART SAFETY FOOTWEAR FOR NEXT GENERATION

00: -

The present invention relates to a smart safety footwear for next generation for personal safety, navigation, and health monitoring. The system integrates energy-harvesting technology, piezoelectric sensors, or kinetic energy converters to power itself from user movements, making it self-sustainable. It includes a safety mechanism that triggers distress signals, sends GPS coordinates, and activates alerts to emergency contacts when a user faces danger. The navigation system, especially beneficial for visually impaired users, employs sensors to detect obstacles and provide real-time feedback through vibrations or sounds, guiding users safely. Additionally, the system monitors health metrics such as temperature, pressure distribution, posture, and steps, providing alerts via a mobile device in case of abnormalities. A mobile application connects to the shoe through wireless communication, allowing data tracking and real-time control. This invention enhances user safety, navigation, and health management, offering a multifunctional and energy-efficient solution for everyday use.





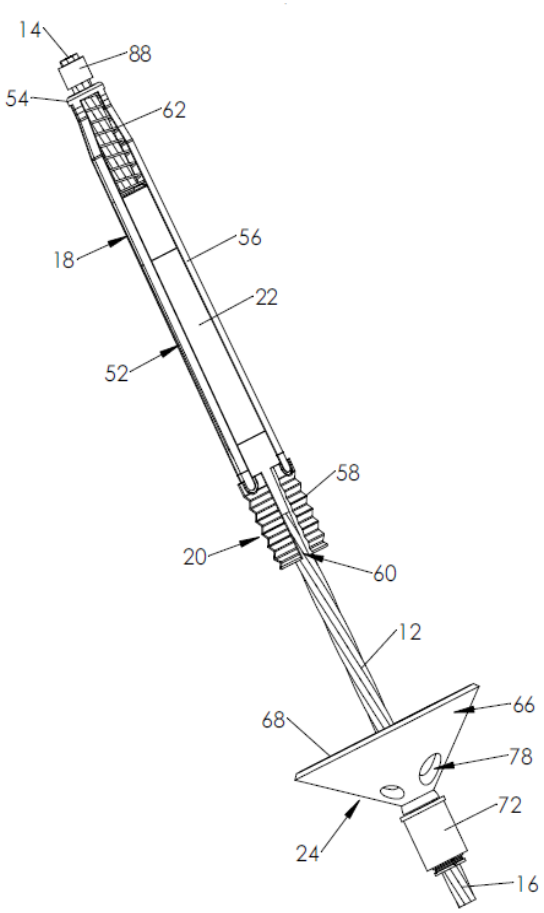
21: 2024/08174. 22: 2024/10/29. 43: 2025/04/30
51: E21D
71: FABCHEM MINING (PTY) LIMITED
72: JOHANNES JACOBUS NAUDE, JACOBUS CORNELIUS PRETORIUS
33: ZA 31: 2022/04453 32: 2022-04-21

54: ENERGY ABSORBING, YIELDING ROCK ANCHOR

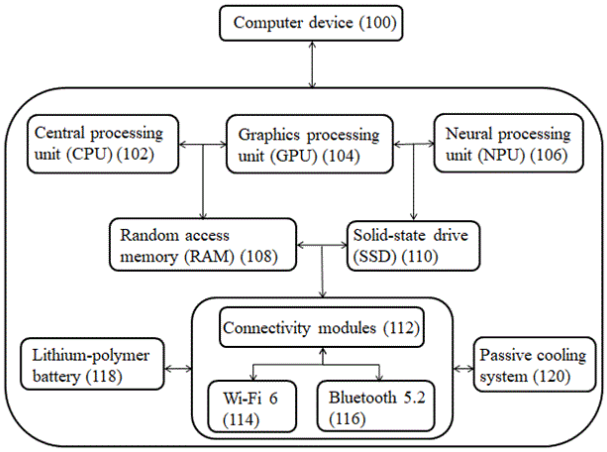
00: -

A yielding rock anchor (10) comprising an elongate anchor cable (12) which is insertable into a drill hole of a rock face; a cable anchor unit (18) that is concentrically secured to the anchor cable (12); a hole anchor unit (20) that is connected to the anchor cable (12) in longitudinally spaced-apart relationship to the cable anchor unit (18) and at least in part being longitudinally displaceable on the anchor cable (12) relative to the cable anchor unit (18); a yielding unit (22) extending between the cable anchor unit (18) and the hole anchor unit (20) and being deformable under tension; and a bearing plate unit (24) secured to the anchor cable (12) and

dimensioned to press against the rock face; such that the anchor cable (12), the cable anchor unit (18), the hole anchor unit (20) and the yielding unit (22) are secured within the drill hole.



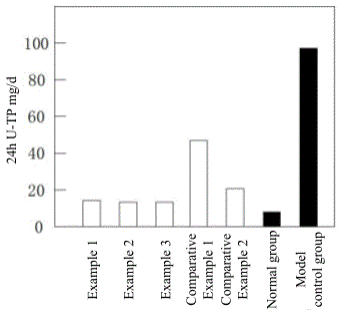
21: 2024/08182. 22: 2024/10/30. 43: 2025/04/30
51: A61K; G06N; G06Q
71: Dr. Chiranjib Chakravartty, Dr. Manojit Bhattacharya, Dr. Santanu Koley, Dr. Surajit Bhattacharjee, Dr. Arpita Das, Anindita Sarkar
72: Dr. Chiranjib Chakravartty, Dr. Manojit Bhattacharya, Dr. Santanu Koley, Dr. Surajit Bhattacharjee, Dr. Arpita Das, Anindita Sarkar
33: IN 31: 202431079603 32: 2024-10-19
54: AN ARTIFICIALLY INTELLIGENT COMPACT COMPUTING DEVICE, SYSTEM AND METHOD FOR NEXT-GENERATION VACCINE DESIGN
00: -
This invention relates to a mini mobile compact computer device (100) and method (200) for designing next-generation vaccines, including RNA, DNA, and multi-epitopic peptide vaccines, for combating infectious diseases. The invention comprises a portable, power-efficient computer platform with integrated hardware components, such as a central processing unit (CPU) (102), graphics processing unit (GPU) (104), neural processing unit (NPU) (106), and memory units, optimized for performing complex computational tasks. The device (100) utilizes immunoinformatics, machine learning, and deep learning-enabled software tools to facilitate rapid vaccine development through epitope identification (202), vaccine formulation, characterization (204), and immune simulation profiling (208). This platform enables efficient, cost-effective vaccine design, improving response times to emerging infectious diseases while reducing energy consumption. The system's portability and performance make it ideal for field applications, allowing real-time collaboration and execution of advanced bioinformatics-driven vaccine development processes.



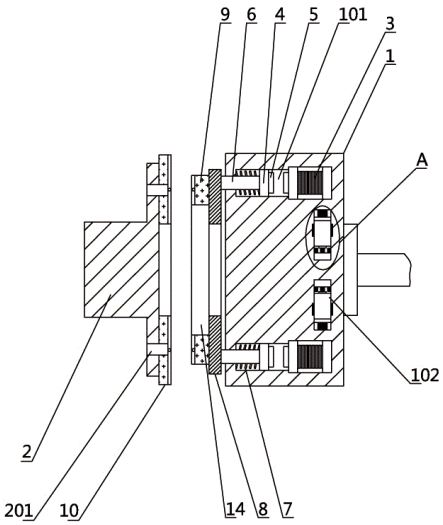
21: 2024/08183. 22: 2024/10/30. 43: 2025/04/30
51: G03G
71: HANDAN HANGUANG OA TONER CO., LTD.
72: Heng YU, Yanpo WANG, Lijing ZHAO, Liying DU, Wang GUO, Xiaoguang LI, Xiaoguang ZHANG, Zhiwei SUN
33: CN 31: 202411341323.7 32: 2024-09-25
54: ANTI-ADHESION FIXING POLYMER AND USE IN PHYSICAL TONER THEREOF
00: -
The present invention discloses an anti-adhesion fixing polymer, and its use in pulverized toner. The polymer provided by the present invention has a structural formula as shown in Formula I. The polymer of the present invention comprises two epoxy groups at the same end of the molecular chain, which has high cohesive strength. At the

same time, after being added in the middle section of the kneading process of the pulverized toner, the polymer can form uniform network cross-linking structure with binder resin, thus reducing the melt index of the toner, increasing the elastic modulus, reducing the dissipation factor (tand), and enhancing cohesion. By coordinating the cohesive force of itself and the cohesive force of each component of the toner, the problem of adhesion fixing of the pulverized toner can be effectively solved. In addition, the toner comprising the polymer has a small impact on the chargeability and does not increase the pollution of the developing component and carrier; the polymer structure is easy to adjust and has a wide range of uses.

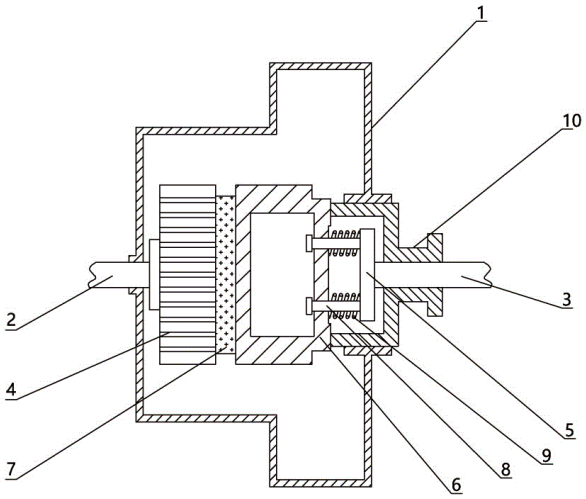
21: 2024/08184. 22: 2024/10/30. 43: 2025/04/30
51: A61K
71: AFFILIATED HOSPITAL OF SHANDONG UNIVERSITY OF TRADITIONAL CHINESE MEDICINE
72: LIU, Yingying, YU, Jie, ZHANG, Lei, YIN, Xiaoshuang, GAO, Ying, LI, Xia, WANG, Zhenyuan, JIANG, Feng, HUA, Zhen, YANG, Wenna
54: TRADITIONAL CHINESE MEDICINE COMPOSITE FOR TREATING CHRONIC NEPHRITIS AND NEPHROTIC SYNDROME, AND PHARMACEUTICAL PREPARATION THEREOF
00: -
Disclosed in the present invention are a traditional Chinese medicine composite for treating chronic nephritis and a nephrotic syndrome, and a pharmaceutical preparation thereof. The traditional Chinese medicine composite includes plant components and animal components. The plant components include Astragalus membranaceus, Salviae miltiorrhizae, Rhizoma dioscoreae, Poria cocos, Angelica sinensis, Herba leonuri, Atractylodes macrocephala and Semen nelumbinis, and the animal components include a lumbricus, periostracum cicada and hirudo. The pharmaceutical preparation prepared by the present invention has a plurality of active ingredients, can greatly reduce an inflammatory reaction of the kidney, and has the effect of reducing oxidative stress damage to cells of glomeruli and renal tubules.



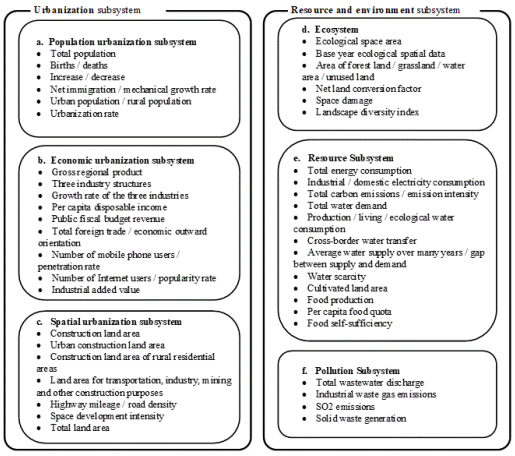
21: 2024/08185. 22: 2024/10/30. 43: 2025/04/30
51: F16D
71: YUEXIN CONTEMPORARY AMPEREX TECHNOLOGY CO., LTD
72: Zhao Qianyang, Zhu Yaozhan, Yang Hui, Gao Peiqi, Xing Junqi
33: CN 31: 202410280399.7 32: 2024-03-12
54: A LIMITING RANGE EXTENDER COLD START ENGINE OVERSPEED CONTROL DEVICE
00: -
The present invention relates to an overspeed control device for a limited range extender cold start engine, comprising a flywheel and a speed limiting housing. Multiple first sliding chambers are uniformly distributed in a circular shape inside the flywheel, a first sliding plate is slidably connected to the first sliding chamber. The left end of the first sliding rod is fixedly connected to the right side of the first pressure plate, a circular first friction plate is fixed to the left side of the first pressure plate. A circular second friction plate is fixed to the right side of the speed limiting housing, a heat dissipation device is provided on the left side of the speed limiting housing. The heat dissipation device includes a pressure tube fixed on the left side of the speed limiting housing, multiple vortex tubes distributed in a circular shape on the side of the pressure tube; the present invention utilizes the centrifugal force generated during the operation and rotation of the engine to adjust the first sliding plate to slide to the left, uses the frictional force between the first friction plate and the second friction plate for overspeed control. The mechanical energy generated by the engine's overspeed rotation is converted into electrical energy, which is energy-saving and environmentally friendly; at the same time, the turbine blades draw external air into the vortex tube to cool down the first and second friction plates.



21: 2024/08186. 22: 2024/10/30. 43: 2025/04/30
51: F16D
71: YUEXIN CONTEMPORARY AMPEREX TECHNOLOGY CO., LTD
72: Zhu Yaozhan, Yang Hui, Yuan Zhengwu, Gao Peiqi, Zhao Qianyang
33: CN 31: 202410280551.1 32: 2024-03-12
54: A P2 ARCHITECTURE LIGHT TRUCK HYBRID AUTOMOBILE CLUTCH CONTROL DEVICE
00: -
The present invention relates to a P2 architecture light truck hybrid automobile clutch control device, which comprises a clutch box and power output shaft and power input shaft arranged in the clutch box. A generator is arranged on the right side of the clutch box, an adjustment block is fixed inside the clutch box; the present invention adjusts the clutch pedal to switch between three states: fully linked state, semi linked state, non linked state; when the clutch is in a semi linked or non linked state, the power output shaft and the power input shaft rotate non synchronously. The telescopic rod extends and the power input shaft drives the rotation of the generator shaft through the transmission of the first and second transmission wheels, reducing excess power output and converting it into electrical energy, which is energy-saving and environmentally friendly; by utilizing centrifugal force, adjusting the position of the centrifugal slider and using magnetic force to adjust the sliding of the trigger block, the clutch state switching is synchronized with the generator power generation, ensuring the output power of the power output shaft while maintaining the generator power generation efficiency.



21: 2024/08187. 22: 2024/10/30. 43: 2025/05/02
51: G06Q
71: Institute of Urban Environment, Chinese Academy of Sciences
72: Guoqin ZHANG, Hongyi DOU
33: CN 31: 2024113583488 32: 2024-09-27
54: SIMULATION, PREDICTION AND EVALUATION METHOD FOR COUPLING EFFECT OF URBANIZATION-RESOURCE-ENVIRONMENT SYSTEM
00: -
The present invention discloses a simulation, prediction and evaluation method for coupling effect of urbanization-resource-environment system, comprising the following steps: step 1: acquiring urbanization, resource and environment data of multiple years, and fill in the missing values in the data with known data; step 2: using Vensim software to build a dynamic model; step 3: testing the authenticity of the simulation results, and calculate the determination coefficient R 2 of the actual data and simulation data of each variable; step 4: simulating the model under the Vensim environment to obtain the simulation results of each indicator; step 5: comprehensively evaluating the development trend of the coupling effect of urbanization-resource-environment system. The present invention provides a theoretical basis based on the comprehensive evaluation of urbanization-resource-environment system for in-depth research on the selection of new urbanization models and overall planning.

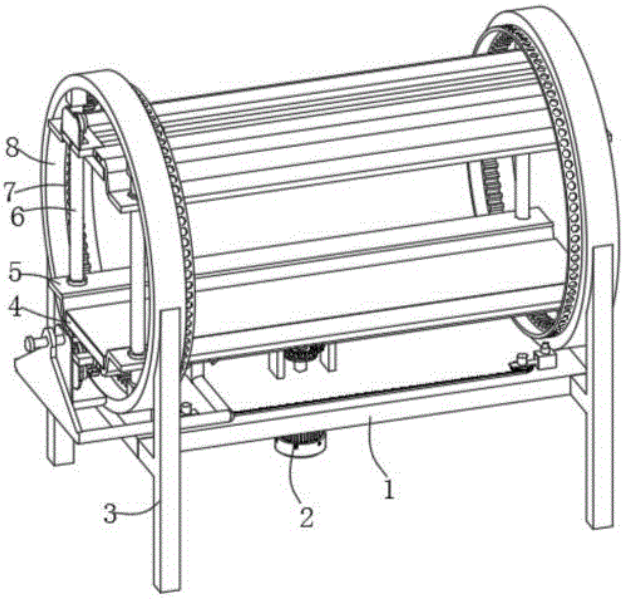


21: 2024/08193. 22: 2024/10/30. 43: 2025/05/02
51: B60R
71: Hebei Xinshan Building Materials Co., Ltd.
72: Li Mingchao, Chu Yansong, Chu Jianfeng, Chu Ziwei, Tao Jingqiu, Yu Liang
33: CN 31: 202411339826.0 32: 2024-09-25
54: AUTOMATIC WINDOW OPENING SYSTEM FOR VEHICLES IN EMERGENCY SITUATIONS
00: -
An automatic window opening system for vehicles in emergency situations includes a processing unit, a vehicle interior condition monitoring unit after vehicle locking , a window control unit, a warning unit and a power supply unit; the processing unit is capable of being electrically connected to a vehicle main control board and performing signal transmission; the window control unit is capable of being electrically connected to the processing unit, and the window control unit is capable of being electrically connected to a window lifting system and supplying power to the window lifting system to control lifting of windows; and the power supply unit is electrically connected to the processing unit and supplies power, and the processing unit supplies power to the vehicle interior condition monitoring unit after vehicle locking, the window control unit and the warning unit which are electrically connected to the processing unit. The present invention can detect a situation inside a vehicle if children trapped inside after the vehicle is locked and the owner has left. In an event of children being trapped, the present invention automatically opens the vehicle's windows and emits warning signals, ventilating an interior of the vehicle while effectively alerting nearby owners or individuals to rescue the trapped children.

21: 2024/08194. 22: 2024/10/30. 43: 2025/05/02
51: C09D
71: Hebei Xinshan Building Materials Co., Ltd.
72: Li Mingchao, Chu Yansong, Chu Jianfeng, Chu Ziwei, Tao Jingqiu, Yu Liang
33: CN 31: 202411311273.8 32: 2024-09-19
54: EXTERNAL HIGH-PERFORMANCE FIREPROOF COATING AND PREPARATION METHOD THEREOF
00: -
The present invention relates to an external high-performance fireproof coating and a preparation method thereof, falling within the technical field of external protective coatings, in parts by weight, including 20-25 parts of ammonium polyphosphate, 10-15 parts of pentaerythritol, 5-10 parts of melamine, 8-14 parts of two-component fluorocarbon resin, 3-5 parts of aerogel, 10-15 parts of inorganic filler, and 25-35 parts of water. In the present invention, the two-component fluorocarbon resin is added to the fireproof coating, improving the weather resistance, solvent resistance, and wear resistance of the fireproof coating, and prolonging the service life of the fireproof coating.

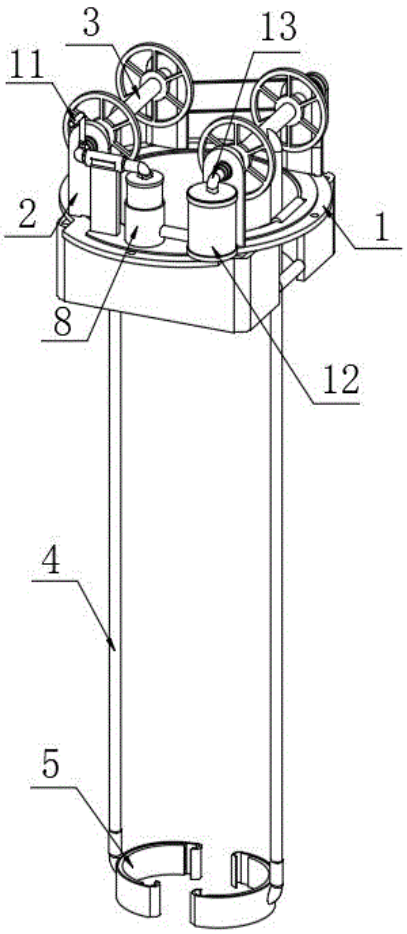
21: 2024/08195. 22: 2024/10/30. 43: 2025/05/02
51: A61G
71: Chuzhou University, Nanjing Pukou People’s Hospital, Nanjing, China (Jiangsu Province Hospital Pukou Branch)
72: CAO, Lihua, XU, Wei, CHEN, Gangling, LI, Chao, WANG, Xiaolei, BAI, Min, SHENG, Weiwei
33: CN 31: 202311697760.8 32: 2023-12-11
54: INTELLIGENT MEDICAL TERMINAL FOR GERIATRIC HEALTH MANAGEMENT
00: -
The present invention discloses an intelligent medical terminal for geriatric health management, including a base plate, where support brackets are fixedly connected to the base plate. A turnover mechanism includes fixing rings, and a plurality of positioning blocks are fixedly connected in an inner cavity of the fixing ring. A positive and negative screw is rotatably connected between two opposing positioning blocks, and third threaded plates are threadedly connected to the positive and negative screw. An installation box is arranged between two third threaded plates, and connecting strips are fixedly connected to the bottom of the mounting box and slidably connected to the third threaded plates.

A gear ring is rotatably connected inside the fixing ring. The positive and negative screws are driven by driving motors provided in the positioning blocks so that the adjacent third threaded plates and the installation boxes can approach each other.



21: 2024/08207. 22: 2024/10/30. 43: 2025/05/02
51: E21F
71: Shaanxi Energy Institute
72: Dongdong Zhang, Bing Chen, Fei Cheng, Yafei Fang, Jin Zhang

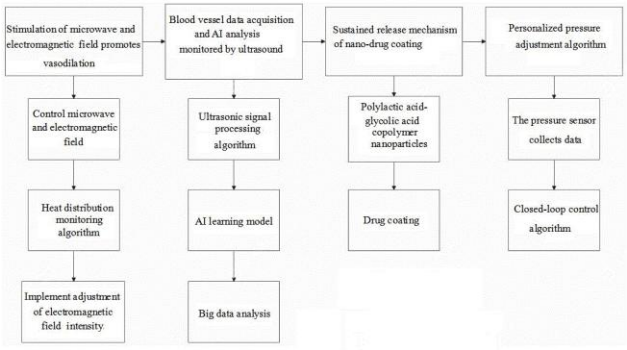
54: A DOWNHOLE VENTILATION MECHANISM
00: -
The invention discloses a downhole ventilation mechanism, belonging to the technical field of downhole ventilation. By adjusting the position of the air guide suction component, the motor is controlled to drive the driving wheel and one of the hollow shafts to rotate. The driving wheel drives the driven wheel to rotate through a transmission belt, and the driven wheel drives the driven gear to rotate via the driving gear, thereby rotating the other hollow shaft. This ensures that the two hollow shafts rotate synchronously and the air guide pipe is wound up. As the two hollow shafts rotate relative to each other, the two air guide plates and two air boxes in the downhole move upward synchronously, ensuring ventilation and dust extraction at any height of the working face underground. This improves the effectiveness of ventilation and dust extraction. Thus, the purpose of ventilation and dust extraction is achieved by synchronously adjusting the position of the air guide suction component, avoiding the traditional method of adding or removing extended pipes, reducing workload, and facilitating the storage of the ventilation mechanism, thereby greatly improving its operational convenience and flexibility.



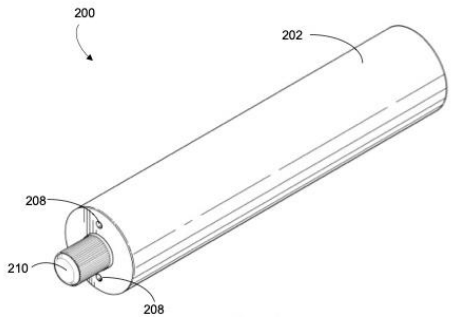
21: 2024/08208. 22: 2024/10/30. 43: 2025/05/02
51: B28B; C04B; E04B
71: CHINA BUILDING MATERIALS ACADEMY CO., LTD.
72: Zhendi WANG, Ling WANG
33: CN 31: 202210481648.X 32: 2022-05-05
54: REBAR-FREE PRESTRESSED CONCRETE AND FORMING METHOD THEREFOR
00: -
The present disclosure relates to an rebar-free prestressed concrete and a forming method therefor. The unreinforced prestressed concrete includes: a base layer, which is a mortar, concrete or neat paste pouring piece, where the base layer has a deformation value S1; and a prestressed layer

disposed on a surface of the base layer and completely covering the base layer. The prestressed layer is a mortar, concrete or neat paste pouring piece, and does not include a steel bar. The prestressed layer has a deformation value S2, where S1 is smaller than S2. The solved technical problem is how to achieve an unreinforced prestressed concrete having a prestressed surface layer without the use of steel bar tensionsing, allowing same to improve the crack resistance and durability of a building without increasing new investment, reducing construction costs without bringing about fire hazards, and thus improving suitability for practical use.

21: 2024/08223. 22: 2024/10/30. 43: 2025/05/02
51: A61F
71: THE SECOND AFFILIATED HOSPITAL OF NANCHANG UNIVERSITY
72: Yanxia Chen, Ben Ke, Chong Huang, Jinjing Huang
54: OPTIMAL SCHEME OF VASODILATION AFTER AUTOGENOUS ARTERIOVENOUS FISTULA OPERATION
00: -
The invention provides an optimal scheme of vasodilation after autogenous arteriovenous fistula operation, which relates to the technical field of internal fistula, including microwave and electromagnetic field stimulation, ultrasonic monitoring and AI analysis, nano-drug sustained release technology and intelligent pressure adjustment. The microwave and electromagnetic field module stimulates vascular smooth muscle by precisely controlling frequency and intensity, the ultrasonic monitoring module collects blood vessel inner diameter and blood flow data in real time, the AI module dynamically adjusts the stimulation intensity according to the data, the nano-particle slow-release system realizes the long-term release of drugs, and the pressure adjustment module automatically adjusts the external pressure applied to blood vessels through closed-loop control algorithm. It effectively solves the problems of inaccurate physical stimulation, unsustainable drug support, pressure adjustment and fixation in traditional postoperative vasodilation management.

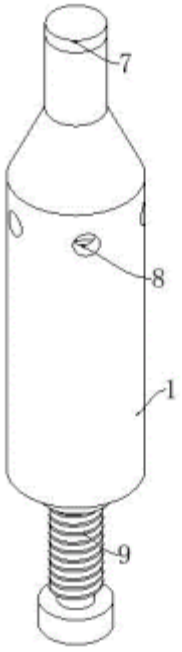


21: 2024/08237. 22: 2024/10/31. 43: 2025/05/06
51: F42D
71: ENG CONSULTING SERVICES (PTY) LTD
72: DUFFIELD, Eric Jurgens, YOULDON, Gavin Ronald
33: ZA 31: 2023/08132 32: 2023-08-23
54: BLAST PLUG
00: -
This invention relates to a blast plug for secure placement in blast holes to improve containment of explosive forces in mining and construction applications. The blast plug includes a radially expandable tubular body, with dimensions between 60mm and 450mm in length and 20mm to 200mm in diameter. The blast plug includes an expansion mechanism that induces radial expansion, enabling a firm seal within the hole. An inflatable cavity within the tubular body can be pressurised through a valve Additionally, the blast plug includes one or more through-holes for longitudinally accommodating a cable. The blast plug is constructed from deformable materials such as silicone or rubber. The blast plug is designed to withstand high-pressure environments, with restraining means at both ends to prevent unwanted longitudinal expansion.



21: 2024/08242. 22: 2024/10/31. 43: 2025/05/02
51: A63B

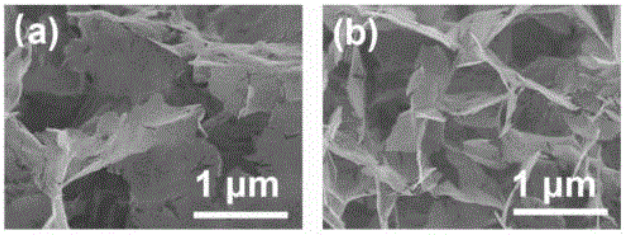
71: The First Affiliated Hospital of Hebei North University
72: Ping Feng, Zexuan Ji, Kaiyan Song, Liping Chen, Bu Wang, Haihong Qian, Zhihua Zhang
54: AN EXHALATION RESISTANCE REHABILITATION DEVICE FOR COPD TREATMENT
00: -
The present invention relates to the field of medical device technology and discloses an exhalation resistance rehabilitation device for COPD treatment. The device includes a controllable damping mechanism, which has an internal movable plate located inside a cylindrical cavity that can move longitudinally, a conical valve body placed inside a conical cavity that can change the size of the airflow gap during movement, and a helical spring placed between the internal movable plate and the conical valve body in a compressed state. The exhalation resistance COPD rehabilitation device utilizes the elastic potential energy of the helical spring as a damping structure for controlling breathing, featuring strong control effects. Moreover, the device can adjust the elastic strength of the helical spring during operation, thereby altering the damping effect of the damping structure and expanding the control range of the training effect.



21: 2024/08246. 22: 2024/10/31. 43: 2025/05/02
51: C08L
71: China Railway First Group Third Engineering Co., Ltd
72: Sun Yongzhen, Chen Rong, Huang Lujie, Wang Xiaofeng
54: AN ENERGY-SAVING AND ENVIRONMENTALLY FRIENDLY LOW-TEMPERATURE ASPHALT MODIFIER SUITABLE FOR HIGH-TEMPERATURE REGIONS
00: -
The present invention provides an energy-saving and environmentally friendly low-temperature asphalt modifier suitable for high-temperature regions, including 10-20 parts of rubber powder, 10-20 parts of waste plastic, 5-10 parts of dicumyl peroxide, and 20-40 parts of epoxy soybean oil. The present invention can better balance the high temperature performance, low temperature anti-cracking performance and water stability of the asphalt mixture by using the composite modification of waste rubber powder and waste plastic than by mixing rubber powder or waste plastic modification alone. In addition, epoxy soybean oil can be used as waste rubber powder and waste plastic softener and solvent, so that the waste rubber powder and waste plastic can be soluble with the rest of the ingredients, while the asphalt in the resin molecular chain growth and make the asphalt fatigue strength, and thus improve the life of asphalt pavement.

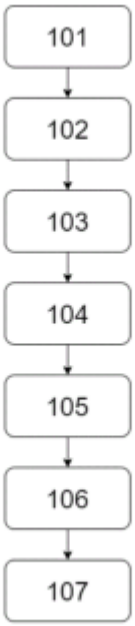
21: 2024/08247. 22: 2024/10/31. 43: 2025/05/02
51: C25B
71: Zhejiang University of Technology
72: Liu Wenxian, Tang Jiawei, Cao Xiehong, Yin Ruilian, Wu Fangfang, Shi Wenhui
54: ELECTRO-CATALYST WITH BISMUTH-DOPED CO3O4 NANOFLAKE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
00: -
An electro-catalyst with bismuth (Bi)-doped Co3O4 nanoflake, a preparation method therefor and an application thereof are disclosed in the present invention, including the following steps: 1) placing nickel foam in a mixed solution with metal ions and ligand, and performing solvothermal reaction, to obtain a BiCo-MOF precursor, where the metal ions include Co2+ and Bi3+, and the ligand is 2-methylimidazole; and 2) calcining the BiCo-MOF precursor, to obtain the electro-catalyst with Bi-doped Co3O4 nanoflake. The present invention has

simple preparation process, mild preparation conditions, and simple preparation equipment, conducive to industrial production; the prepared electro-catalyst with Bi-doped Co3O4 nanoflake, having high specific surface area, multiple reactivity sites and easy reaction; and with low-potential glucose oxidation reaction (GOR) performance, an anode may produce high value-added glucose oxidation products, and Bi-doping effectively regulates an internal electronic structure of a catalyst, improving the intrinsic activity of the catalyst and promoting the electrolysis efficiency of the catalyst as the anode to glucose solution, so it is expected to be applied in electrocatalytic oxidation reaction of glucose.



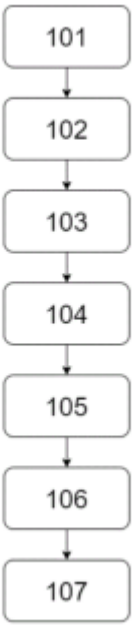
21: 2024/08248. 22: 2024/10/31. 43: 2025/05/02
51: C08L
71: China Railway First Group Third Engineering Co., Ltd
72: Dang Jiangtao, Dang Jianfeng, Wang Xiaofeng, Huang Lujie
54: A LOW-TEMPERATURE MODIFIED ASPHALT FOR ALPINE REGIONS
00: -
The present invention provides a low-temperature asphalt modifier suitable for high-cold region, comprising 500 parts of matrix asphalt, 10-13 parts of rubber powder, 10-15 parts of C9 petroleum resin, 20 parts of vulcanizing agent (sulphur and tetramethyltetramethyltylene disulphide), and 10 parts of sulphur and tetramethyltetramethyltetramethyltetramethyltetramethyl disulphide each. The low-temperature modified asphalt of the present invention has better stability and low-temperature properties, a significant improvement in ductility, further enhanced low-temperature resistance, and good storage stability.

21: 2024/08249. 22: 2024/10/31. 43: 2025/05/02
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127889 32: 2024-09-21
54: METHOD FOR AUTOMATED PROCESSING OF NATURAL LANGUAGE TEXT
00: -
The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. A method for automated processing of natural language text is proposed. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or fine tuning of classification models and/or clustering models.



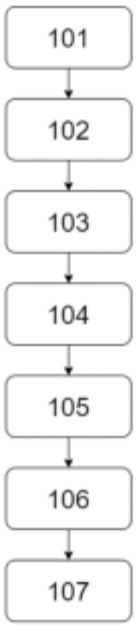
21: 2024/08250. 22: 2024/10/31. 43: 2025/05/02
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127891 32: 2024-09-21
54: METHOD FOR FORMING A TEXT CORPUS WITH PRELIMINARY SEGMENTATION
00: -
The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. A method for forming a text corpus with preliminary segmentation is provided.

The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or fine tuning of classification models and/or clustering models.



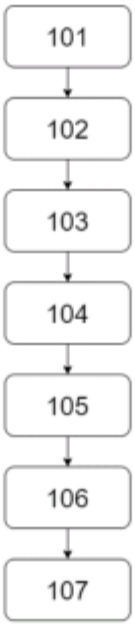
21: 2024/08251. 22: 2024/10/31. 43: 2025/05/02
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127890 32: 2024-09-21
54: METHOD FOR FORMING A TEXT CORPUS
00: -

The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. A method for forming a text corpus is proposed. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or fine tuning of classification models and/or clustering models.

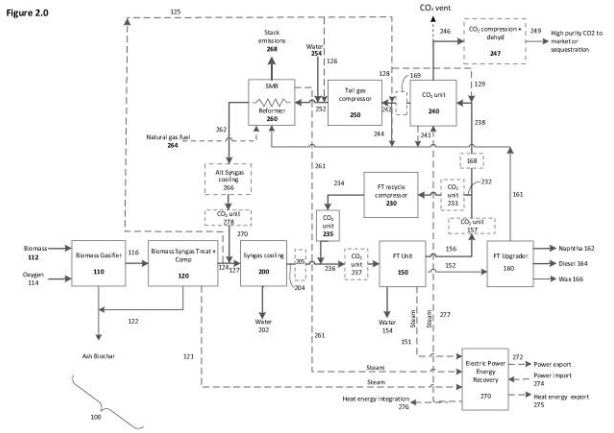


21: 2024/08252. 22: 2024/10/31. 43: 2025/05/02
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127896 32: 2024-09-21
54: METHOD FOR FORMING A DATABASE
00: -

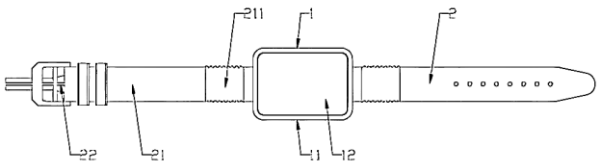
The proposed technical solution relates to methods of automated text processing and can be used in the text corpus forming. A method for forming a database is provided. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated formation of a text corpus, which can subsequently be used for pre-training, or training, or fine tuning of classification models and/or clustering models.



21: 2024/08270. 22: 2024/10/31. 43: 2025/04/17
51: C10G; C10J
71: EXPANDER ENERGY INC.
72: KRESNYAK, Steve, MIRHADI, Seyedamin, PAUL, Hendrik
33: US 31: 63/333,707 32: 2022-04-22
54: PROCESS FOR ENHANCING PRODUCTION OF BIOFUELS FROM BIOMASS
00: -
A process for enhancing production of synthetic biofuels from biomass feedstock is provided. The process involves generating a hydrogen lean syngas by gasifying a biomass and reacting the syngas in a FT reactor to produce FT vapours and FT liquids. The FT vapours are separated from the FT liquids and divided into a FT recycle stream and a tail gas stream. The tail gas stream is compressed to form a high pressure tail gas stream for reforming to generate a hydrogen rich syngas gas stream to be mixed with the hydrogen lean syngas stream, and the liquid hydrocarbons are upgraded to obtain the biofuel(s). The process further comprises removing at least a portion of the CO2 from the tail gas stream to form a modified tail gas stream, which is compressed before reforming, and/or from the hydrogen rich syngas prior to adding same the hydrogen lean syngas feed stream.



21: 2024/08273. 22: 2024/10/31. 43: 2025/05/02
51: A61B
71: THE FIRST HOSPITAL OF JIAXING
72: LU, Zhimin, HOU, Guoxin
54: MEDICAL ELECTRONIC WRISTBAND
00: -
The present invention disclosed a medical electronic wristband, including functional parts and a wristband body, the functional parts include a shell body fixed on the wristband body, a touch screen and a vascular imaging device arranged on a top surface and a front side of the shell body respectively, and a controller and a power supply arranged in an inner cavity of the shell body respectively, and the touch screen and the vascular imaging device are electrically connected to the controller respectively and powered by the power supply; a rear side of the shell body is arranged with an opening connected to the inner cavity; the opening is closed by a sealing plate; the controller is located in the inner cavity; and the controller includes a processing module, a storage modules, a wireless communication module, and a GPS positioning module that are electrically connected to the processing module respectively. According to the present invention, it can automatically display the patient's two-dimensional code or bar code and has the functions of positioning, heart rate detection and vascular imaging.

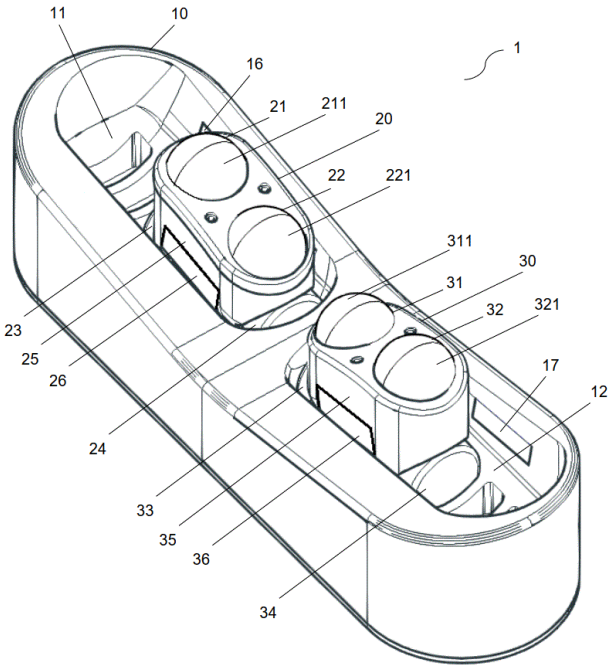


21: 2024/08280. 22: 2024/11/01. 43: 2025/05/07
51: A61H; G06F
71: LIMITED LIABILITY COMPANY "SPEKTRIA"
72: MONAKU Vitalii Georgievich
33: RU 31: 2024129565 32: 2024-10-02

54: REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE WITH INTERMEDIATE ELEMENT

00: -

The proposed technical solution relates to medical and/or sports equipment, in particular to means intended for performing body massage. A removable holder with a controlled movable massage module for a massage device with an intermediate element is proposed. The technical result achieved by implementing the claimed invention, in addition to implementing its purpose, is the elimination of the shortcomings of the closest analogue and thus increasing the efficiency of using the massage device, expanding the functional capabilities of the massage device and providing the ability to control the angle of inclination of the massage element directly during operation and/or providing the ability to automatically change the angle of inclination of the massage element directly during operation.

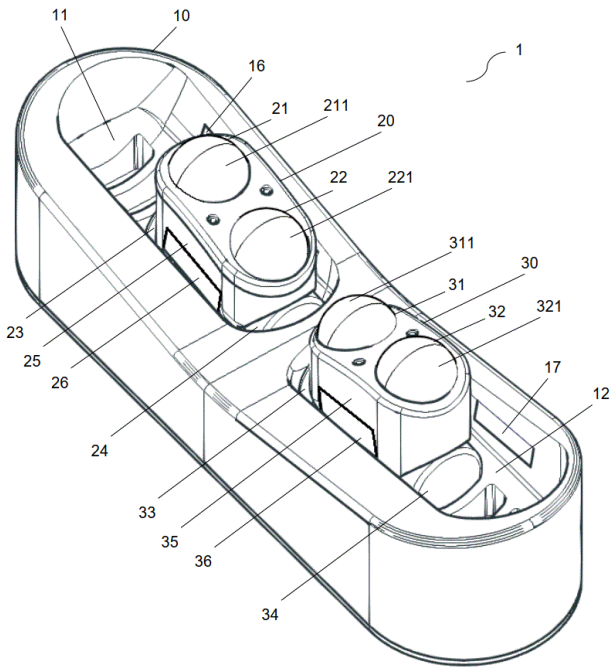


21: 2024/08281. 22: 2024/11/01. 43: 2025/05/07
51: A61H; G06F
71: LIMITED LIABILITY COMPANY "SPEKTRIA"
72: MONAKU Vitalii Georgievich
33: RU 31: 2024129566 32: 2024-10-02

54: REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE WITH CARRIER ELEMENT

00: -

The proposed technical solution relates to medical and/or sports equipment, in particular to means intended for performing body massage. A removable holder with a controlled movable massage module for a massage device with a carrier element is proposed. The technical result achieved by implementing the claimed invention, in addition to implementing its purpose, is the elimination of the shortcomings of the closest analogue and thus increasing the efficiency of using the massage device, expanding the functional capabilities of the massage device and providing the ability to control the angle of inclination of the massage element directly during operation and/or providing the ability to automatically change the angle of inclination of the massage element directly during operation.

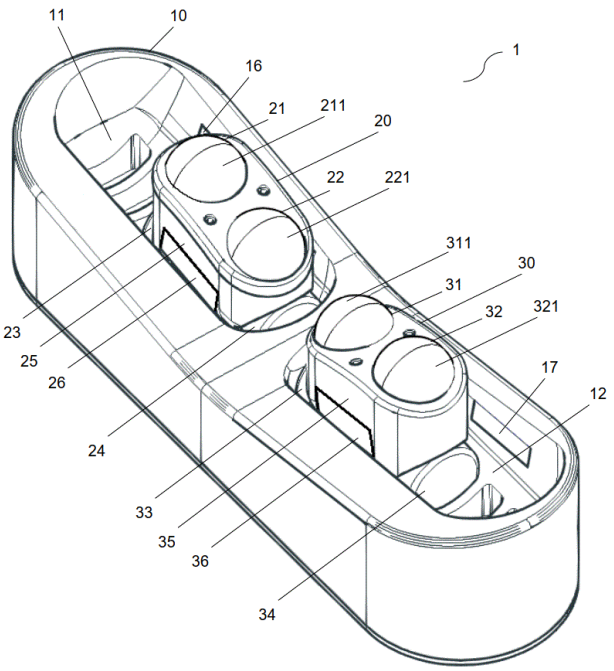


21: 2024/08282. 22: 2024/11/01. 43: 2025/05/07
51: A61H; G06F
71: LIMITED LIABILITY COMPANY "SPEKTRIA"
72: MONAKU Vitalii Georgievich
33: RU 31: 2024129567 32: 2024-10-02

54: REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE WITH CARRIER ELEMENT AS A BASE

00: -

The proposed technical solution relates to medical and/or sports equipment, in particular to means intended for performing body massage. A removable holder with a controlled movable massage module for a massage device with a carrier element as a base is proposed. The technical result achieved by implementing the claimed invention, in addition to implementing its purpose, is the elimination of the shortcomings of the closest analogue and thus increasing the efficiency of using the massage device, expanding the functional capabilities of the massage device and providing the ability to control the angle of inclination of the massage element directly during operation and/or providing the ability to automatically change the angle of inclination of the massage element directly during operation

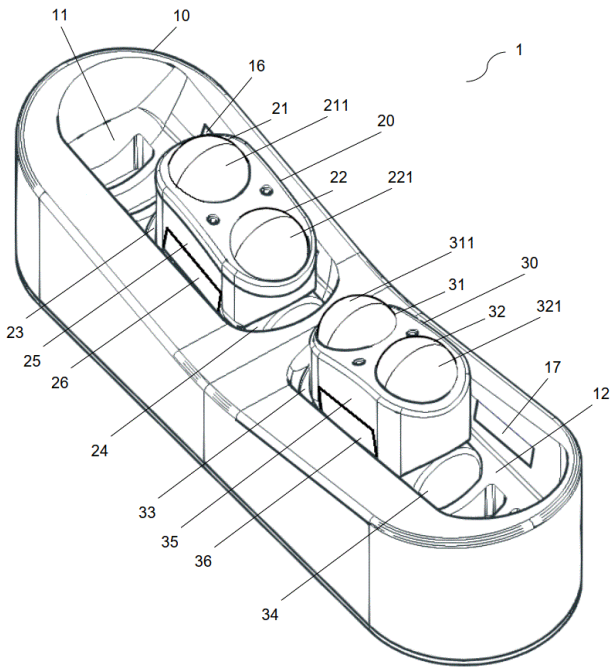


21: 2024/08283. 22: 2024/11/01. 43: 2025/05/07
51: A61H; G06F
71: LIMITED LIABILITY COMPANY "SPEKTRIA"
72: MONAKU Vitalii Georgievich
33: RU 31: 2024129568 32: 2024-10-02

54: REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE

00: -

The proposed technical solution relates to medical and/or sports equipment, in particular to means intended for performing body massage. A removable holder with a controlled movable massage module for a massage device is proposed. The technical result achieved by implementing the claimed invention, in addition to implementing its purpose, is the elimination of the shortcomings of the closest analogue and thus increasing the efficiency of using the massage device, expanding the functional capabilities of the massage device and providing the ability to control the angle of inclination of the massage element directly during operation and/or providing the ability to automatically change the angle of inclination of the massage element directly during operation.



21: 2024/08284. 22: 2024/11/01. 43: 2025/05/07
51: G08G
71: BaoEn Zhao
72: BaoEn Zhao
33: CN 31: 2024112832888 32: 2024-09-13
54: TRAFFIC LIGHT AI SMOOTH TRAFFIC CONTROL SYSTEM
00: -
A traffic light AI smooth traffic control system includes electrically connected: satellite shooting and navigation module, for shooting and extracting the number of vehicles on the road and actual traffic situation, and transmitting the data to an AI intelligent regulation module; intersection vehicle information acquisition module, for real-time perception of the on-site traffic flow situation, and transmitting the data to the AI intelligent regulation module; AI intelligent regulation module, for comprehensively analyzing and calculating the current traffic network and intersection traffic conditions, and then issues regulation instructions to the traffic light management module; traffic light management module, for regulating time and rhythm of corresponding guided traffic lights to avoid the intersection from being blocked in all directions due to a large amount of traffic. This traffic light AI smooth traffic control system can effectively solve the problem of urban traffic congestion, realize the fast and efficient traffic on the road, reduce the rate of car accidents, save the passage time, reduce the consumption of fuel and exhaust emissions, save the cost of additional duty personnel to ease the congestion at intersections, and promote the development of the smart city, which is simple and efficient.

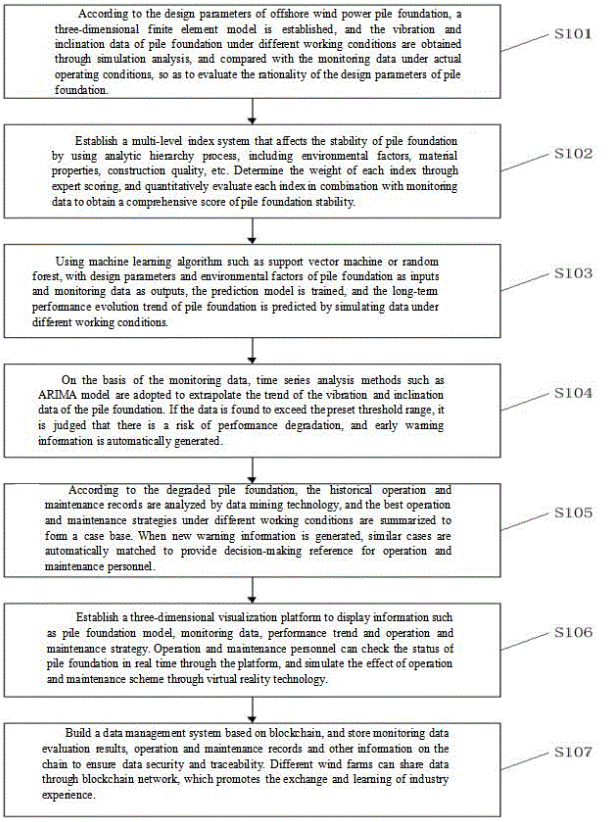
21: 2024/08285. 22: 2024/11/01. 43: 2025/05/07
51: C12C
71: Shandong Institute of Pomology
72: YANG Xuemei, LIU Zihan, QI Tingting, YIN Hongyan, ZHANG Shigang, GUO Xue, LIU Cheng
33: CN 31: 2024114244043 32: 2024-10-12
54: FRESH-SQUEEZED CHERRY FRUIT AND VEGETABLE JUICE TYPE DRAFT BEER AND PREPARATION METHOD THEREOF
00: -
The invention provides a fresh-squeezed cherry fruit and vegetable juice type draft beer and a preparation method thereof, which specifically comprises the following steps: step 1, weighing malt: weighing a certain amount of barley malt and wheat malt, mixing and crushing; step 2, saccharifying, filtering and boiling the malt, adding hops into the boiling, and cooling through a thin plate to obtain cold wort; step 3, cleaning the fresh cherry, juicing, and performing ultra-high pressure sterilizing ; step 4, mixing cherry juice and cold wort, adding yeast, performing aseptic filtration to remove precipitate after fermentation, and filling sake liquid to obtain fruit and vegetable juice type beer. The invention adopts barley malt, wheat malt and sweet cherry fresh juice as raw materials, adopts low-temperature ultra-high pressure sterilizing technology to sterilize the fresh cherry juice, does not destroy covalent bonds in the juice molecules, maintains the nutritional and sensory characteristics of the cherry juice to the maximum extent, adds Lager yeast for fermentation, and adopts low-temperature aseptic filtration technology to remove microorganisms such as yeast after fermentation.

21: 2024/08286. 22: 2024/11/01. 43: 2025/05/12
51: E02D
71: Henan University of Urban Construction, Zhongben Testing Certification Co., Ltd, Henan Zhongya Communications Construction Group Co., Ltd
72: REN Mingyang, LIU Heng, SONG Shuaiqi, ZHANG Haiyang, WU Qiong, DENG Chaowei

54: METHOD AND SYSTEM FOR MONITORING STABILITY OF OFFSHORE WIND POWER PILE FOUNDATION

00: -

The invention discloses a method and a system for monitoring stability of offshore wind power pile foundation, which comprises the following steps: using a machine learning algorithm, such as support vector machine or random forest, taking design parameters and environmental factors of pile foundation as inputs and monitoring data as outputs, training a prediction model, and predicting the long-term performance evolution trend of pile foundation by simulating data under different working conditions; Aiming at the degraded pile foundation, the historical operation and maintenance records are analyzed by data mining technology, and the best operation and maintenance strategies under different working conditions are summarized to form a case base. When new early warning information is generated, similar cases are automatically matched to provide decision-making reference for operation and maintenance personnel. A three-dimensional visualization platform is established to display the pile foundation model, monitoring data, performance trends, operation and maintenance strategies and other information. The operation and maintenance personnel can view the pile foundation status in real time through the platform, and simulate the effect of the operation and maintenance scheme through virtual reality technology.



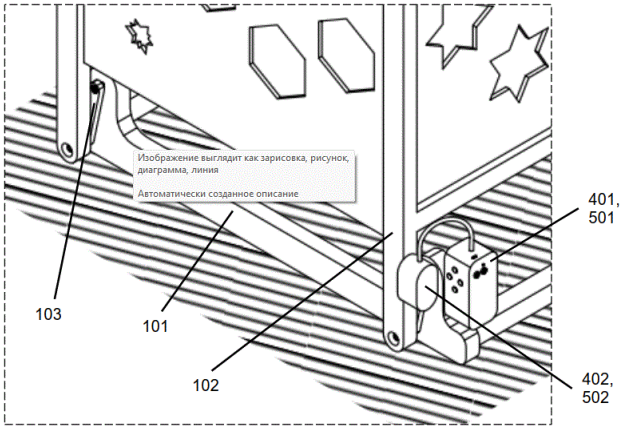
21: 2024/08308. 22: 2024/11/04. 43: 2025/05/07
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129115 32: 2024-09-30

54: A SET COMPRISING A BED EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A a set comprising a bed equipped with a pendulum mechanism and a device for actuating the pendulum mechanism is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation

and operation, as well as increasing the accuracy of pendulum mechanism control.

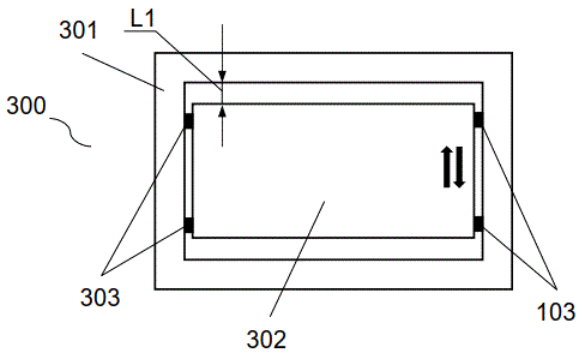


21: 2024/08309. 22: 2024/11/04. 43: 2025/05/07
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna, KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129116 32: 2024-09-30

54: A SET COMPRISING A CHAIR EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A set comprising a chair equipped with a pendulum mechanism and a device for actuating the pendulum mechanism is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation and operation, as well as increasing the accuracy of pendulum mechanism control

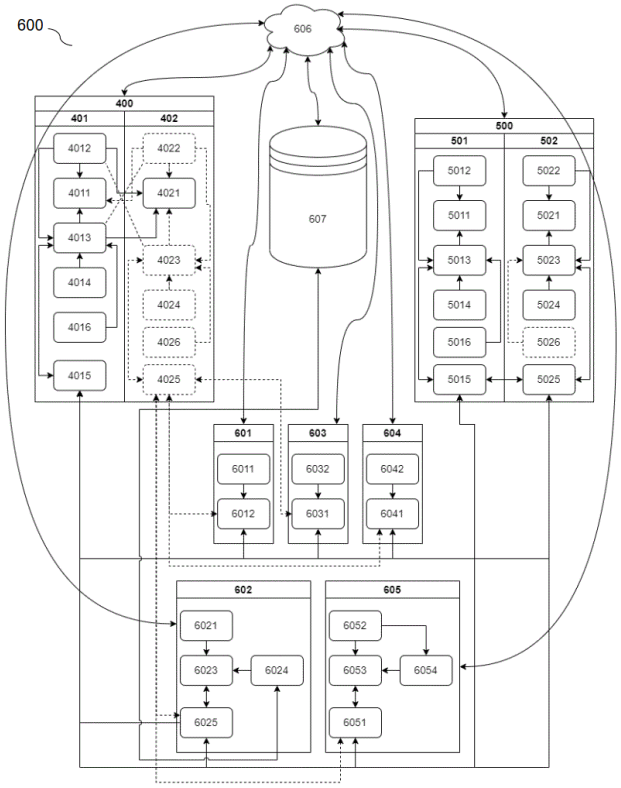


21: 2024/08310. 22: 2024/11/04. 43: 2025/05/07
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna, KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129117 32: 2024-09-30

54: A SET COMPRISING A BED EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM WITH AN EXTERNAL CONTROL DEVICE

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A a set comprising a bed equipped with a pendulum mechanism and a device for actuating the pendulum mechanism with an external control device is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation and operation, as well as increasing the accuracy of pendulum mechanism control.

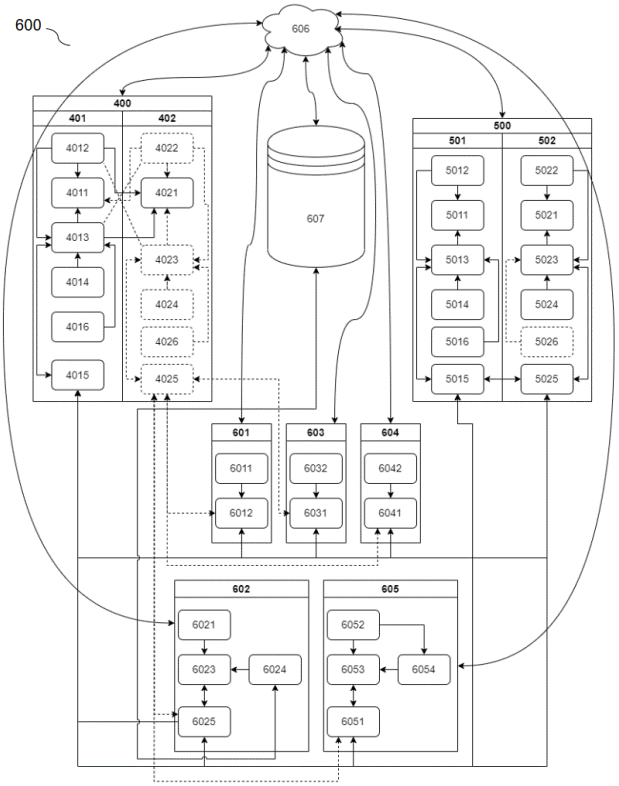


21: 2024/08311. 22: 2024/11/04. 43: 2025/05/07
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129118 32: 2024-09-30

54: A SET COMPRISING A CHAIR EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM WITH AN EXTERNAL CONTROL DEVICE

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A a set comprising a chair equipped with a pendulum mechanism and a device for actuating the pendulum mechanism with an external control device is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation and operation, as well as increasing the accuracy of pendulum mechanism control.



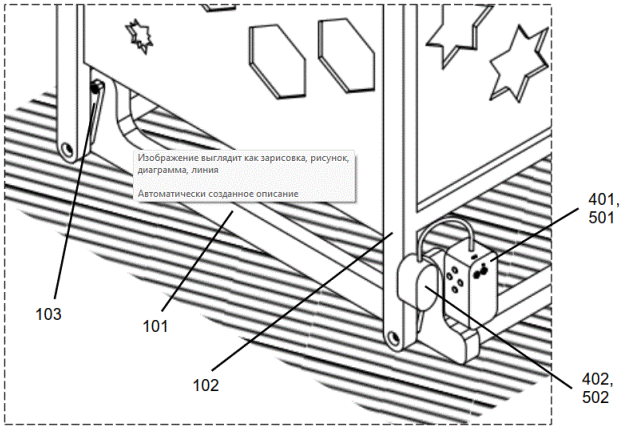
21: 2024/08312. 22: 2024/11/04. 43: 2025/05/07
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129110 32: 2024-09-30

54: PENDULUM MECHANISM

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A pendulum mechanism is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation

and operation, as well as increasing the accuracy of pendulum mechanism control.

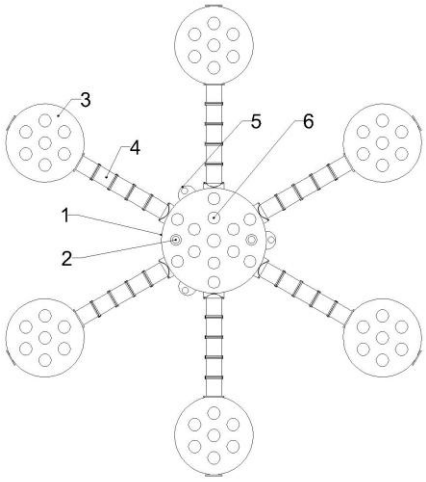


21: 2024/08313. 22: 2024/11/04. 43: 2025/05/07
51: C02F
71: TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING, M.O.T.
72: YI Malan, ZHAO Yingjie, ZHAO Junjie, YE Wei, LI Yajuan, CHANG Fang, LI Zhendong, LI Huiting, WANG Tingfeng

54: FLOATING WETLAND ADJUSTABLE WATER TREATMENT DEVICE FOR RIVER AND LAKE MANAGEMENT

00: -

The invention discloses a floating wetland water treatment device for river and lake management, a plurality of connecting strips are fixedly arranged at equal intervals in the circumferential direction on the outer side of the main floating plate, one end of each of the connecting strips far away from the main floating plate is detachably connected with a secondary floating plate, and the main floating plate and the secondary floating plates are all provided with a plurality of planting through holes; an anti-scour net is detachably connected below the main floating plate, energy dissipation balls are rotatably connected with the telescopic rods, connecting rings are fixedly arranged in the circumferential direction on the outer side of the main floating plate, anchor rods are inserted into the connecting rings, and one end of the anchor rods far from the main floating plate is detachably connected with the bottom of the anti-scour net; a base is fixedly arranged at the bottom of the anti-scour net, and the base is located at the bottom of the rivers and lakes. The single floating wetland water treatment device of the device is in a snowflake-like divergent type, and the device can be spliced to form a netted floating wetland water treatment network; by planting aquatic plants on the main floating plate 1 and the secondary floating plates 3, the polluted water bodies in rivers and lakes are cleaned and restored.



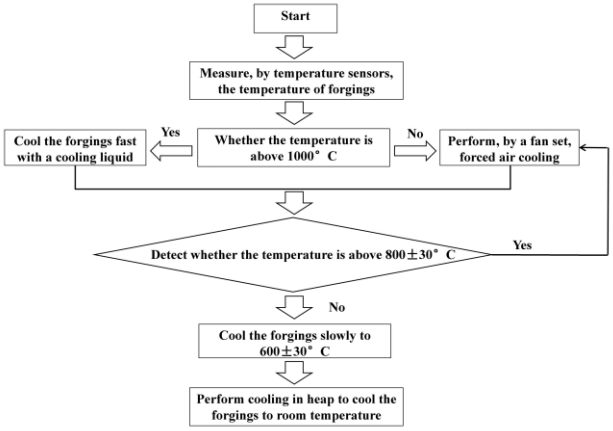
21: 2024/08315. 22: 2024/11/04. 43: 2025/05/07
51: B21J
71: ZheJiang ZhaoFeng Mechanical and Electronic CO., LTD
72: Ji Hongchao, Zhang Ri, Huang Jianghua, Fan Qingchun

54: PRECISELY CONTROLLED OPEN-DIE FORGING RESIDUAL TEMPERATURE NORMALIZING PRODUCTION PROCESS

00: -

The present disclosure relates to the technical field of heat treatment of forged metal components and parts and discloses a precisely controlled open-die forging residual temperature normalizing production process. The process includes the following steps: edge-cutting finished forgings and putting the edge-cut forgings in a residual temperature normalizing device; cooling the forgings with a cooling liquid when a temperature sensor detects that the temperature is above 1000C; air-cooling the forgings fast by a fan set till the temperature of the forging is 800 plus/minus 30C when the temperature sensor detects that the temperature is below 1000C; air-cooling the forgings slowly by the fan set till the temperature of the forging is 600 plus/minus 30C when the temperature sensor detects that the temperature is below 800 plus/minus 30C; and cooling the forgings to normal temperature. The forging residual heat is fully utilized, so that high

efficiency and accuracy of energy utilization are guaranteed; the heat preservation time is shortened, the time of a process flow is shortened, and the processing efficiency is improved; and the metallographic structures of the forgings processed by the residual temperature normalizing process are fine and uniformly distributed.

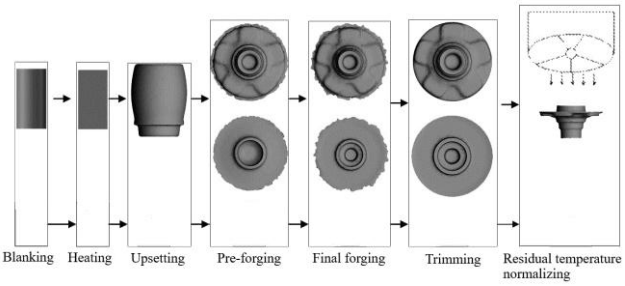


21: 2024/08316. 22: 2024/11/04. 43: 2025/05/07
51: B21J
71: ZheJiang ZhaoFeng Mechanical and Electronic CO., LTD
72: Ji Hongchao, Zhang Ri, Huang Jianghua, Fan Qingchun

54: FORGING FORMING PROCESS OF AUTOMOBILE HUB BEARING MANDREL

00: -

The present disclosure relates to the field of automotive parts processing, and discloses a forging forming process of an automobile hub bearing mandrel. Hot rolled steel is used as a raw material and sawed into a cylindrical blank piece. The blank piece is heated to 1150C-1200C with the heating time of 2 min-5 min. A press machine is employed for three-station processing, where a first station is used for upsetting to remove oxide scales generated after heating and implement grain refinement to form an upsetting piece; a second station is used for pre-forging the upsetting piece to form a pre-forged piece; and a third station is used for performing final forging on the pre-forged piece to form a final forged piece. The final forged piece is trimmed to remove corner materials and form a circumferential surface. The trimmed forged piece is sent into residual temperature normalizing equipment for strong wind cooling, followed by insulation treatment to extract 5 percent-25 percent of ferrite. It ensures that the forged piece has sufficient strength and toughness to facilitate subsequent machining, which reduces tool wear and greatly improves the pass rate of forged pieces, thus controlling and lowering production costs in general.

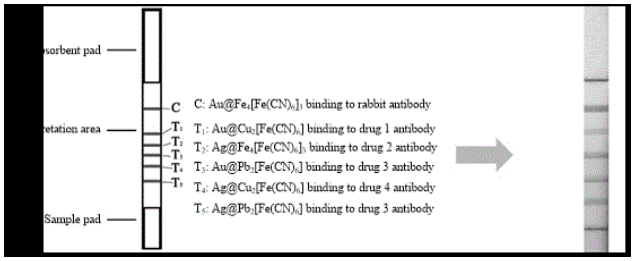


21: 2024/08320. 22: 2024/11/04. 43: 2025/05/07
51: G01N
71: Shandong Academy of Agricultural Sciences
72: YAN, Mengmeng, WANG, Hao, ZHU, Chao, ZHANG, Wenjun, DU, Hongxia, MAO, Jiangsheng, QIN, Hongwei

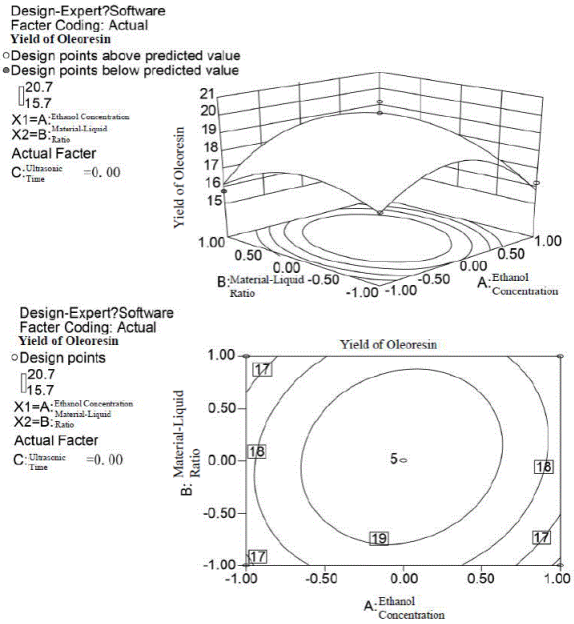
54: SERS IMMUNOLABEL SOLUTION FOR MULTIPLE DETECTION OF PESTICIDE AND VETERINARY DRUG RESIDUES, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF

00: -

The present invention provides a SERS immunolabel solution for multiple detection of pesticide and veterinary drug residues, a preparation method therefor and an application thereof, and relates to the technical field of agricultural product safety testing. The SERS immunolabel solution of the present invention is constructed by binding SERS labels that have enhanced substrates covered with Prussian blue and Prussian blue analogs to monoclonal antibodies and rabbit antibodies against target drugs. The SERS immunolabel solution provided by the present invention can provide high-intensity, pure and anti-interference Raman signals. By mixing a SERS immunolabel with a sample, through detection by using a chromatographic test strip, detection results can be obtained from a portable Raman spectrometer. The SERS immunolabel solution of the present invention, when used for detecting pesticide and veterinary drug residues in agricultural products, enables test strips to deliver sensitive and accurate detection results.

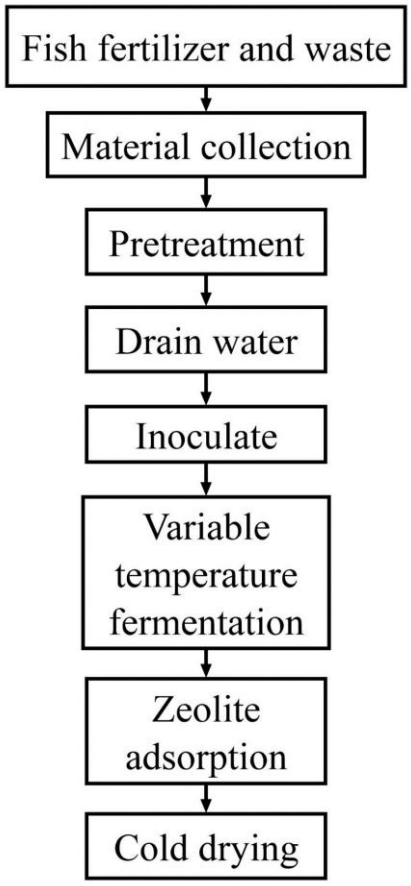


21: 2024/08321. 22: 2024/11/04. 43: 2025/05/07
51: A21D
71: Tropical Crops Genetic Resources Institute, Chinese Academy of Tropical Agricultural Sciences, Sanya Research Institute of Chinese Academy of Tropical Agricultural Sciences, Hainan Institute of Zhejiang University
72: FANG, Yiming, GU, Fenglin, WEI, Qing, ZHANG, Zhiyuan, WANG, Xu, SU, Min, HU, Yan, LIU, Ziji
54: METHOD FOR PREPARING CAPSICUM OLEORESIN BY HYDRATION PRETREATMENT
00: -
Disclosed is a method for preparing Capsicum oleoresin by hydration pretreatment in the present invention, including the following steps: performing a treatment on Capsicum annuum, to obtain Capsicum annuum powder; adding an ethanol aqueous solution to the Capsicum annuum powder, and performing centrifugation to obtain sediments; adding an extraction solvent to the sediments, and adding enzyme for extraction, to obtain an extraction solution; performing suction filtration on the extraction solution to obtain an extracting solution of oleoresin and Capsicum annuum dregs; performing vacuum filtration on the extracting solution of oleoresin to obtain a filter liquor; and treating the filter liquor to obtain Capsicum oleoresin. The present invention has the advantages of short processing time and high efficiency, avoiding harmful effects of traditional processing technology on the environment.



21: 2024/08345. 22: 2024/11/05. 43: 2025/05/12
51: C05F
71: Hainan Tropical Ocean University
72: GE Yingliang, DENG Chunrui
33: CN 31: 2023115635285 32: 2023-11-22
54: METHOD FOR MULTI-STRAIN FERMENTATION OF FISH FERTILIZER AND WASTE LOW-ODOR FERTILIZER BASED ON NEURAL NETWORKS
00: -
The invention discloses a method for producing low-odor fertilizer by multi-strain fermentation of fish fertilizer and waste based on neural networks, and relate to the technical field of organic fertilizer production; crush fish fertilizer and waste; perform compound microbial fermentation treatment on the crushed fish fertilizer and waste; separate the liquid after fermentation and enzymolysis; carry out adsorption treatment on the liquid; the prepared fertilizer is rich in nitrogen, amino acids, nucleic acids, vitamins and other organic substances and physiologically active substances, which can provide various nutrient elements and growth stimulating factors needed by crops and promote crop growth and quality improvement; the prepared fertilizer has no residue of harmful substances such as salt, oil, heavy metals and pesticide residues, low odor, easy application and storage, and is a high-quality bio-organic fertilizer, which meets the development requirements of green agriculture and organic agriculture. The invention has the advantages of low

odor, high efficiency, environmental protection, harmlessness and the like.

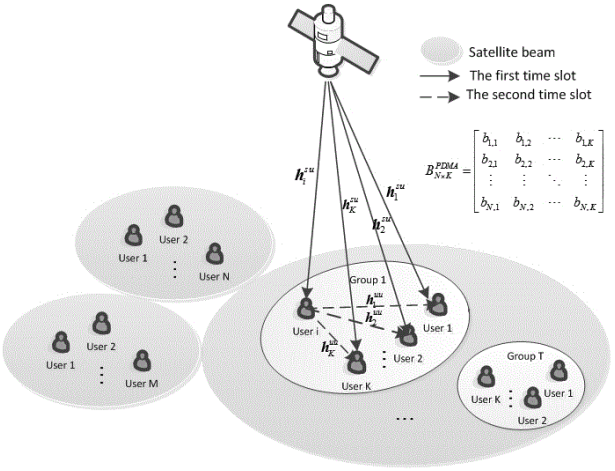


21: 2024/08346. 22: 2024/11/05. 43: 2025/05/12
51: H04L
71: TANGSHAN UNIVERSITY
72: WANG Lixia, FAN Yan, TANG Wanwei, LIU Haijie

54: PERFORMANCE ANALYSIS METHOD FOR SATELLITE-TO-GROUND MOBILE NETWORK BASED ON COOPERATIVE PDMA

00: -

The invention discloses a performance analysis method for a satellite-to-ground mobile network based on cooperative PDMA, which comprises the following steps: applying IR-CPDMA combined with EH and PS protocols to STMN, wherein the satellite-ground link and the ground link respectively obey the Shadowed-Rician and Nakagami-m distributions of the shadow Rice distribution; in CPDMA mode, the near-end user is configured as an enhanced relay node, and the collected energy is used to relay signals, and the enhanced relay node is converted between DPMA and CDPMA modes by judging the feedback information; Using ISIC to detect reception, the interruption probability and system throughput of each user are obtained, and the relationship between interruption probability and system throughput and target rate and power division factor is analyzed. By deducing the asymptotic OP under the condition of high SINR, the diversity gain and coding gain of users are obtained.



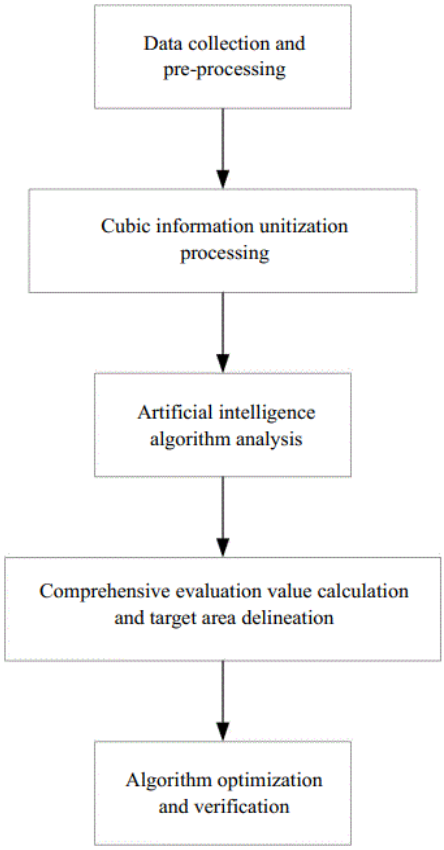
21: 2024/08348. 22: 2024/11/05. 43: 2025/05/08
51: G06F
71: Lanzhou University, The Third Geological and Mineral Exploration Institute of Gansu Provincial Bureau of Geology and Mineral Resources
72: Tongtong He, Jingxian Liu, Yongli Xu, Zhibin Li, Shuang Dai
33: CN 31: 2024114481710 32: 2024-10-17

54: THREE-DIMENSIONAL POSITIONING PREDICTION METHOD FOR A CONCEALED ORE BODY BASED ON ARTIFICIAL INTELLIGENCE

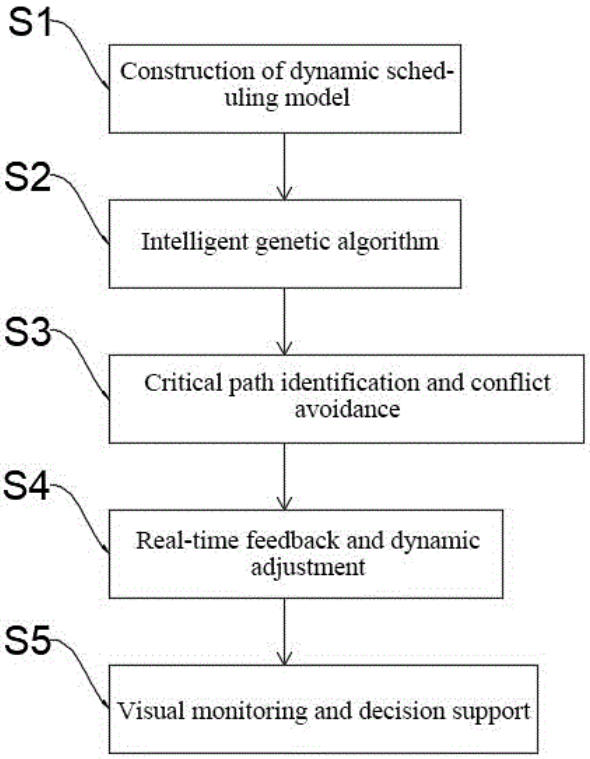
00: -

A three-dimensional positioning prediction method for a concealed ore body based on artificial intelligence relates to the field of concealed ore body positioning prediction technology; collecting geological information variables and three-dimensional data of known ore body and having them pre-processed; dividing the geological spatial extent into a plurality of cubic information units, and obtaining spatial positional relationships between the geological information variables and the known ore body within each unit; using neural network algorithm to analyze the geological information variables and calculating the correlation and weight value among the geological information variables; calculating the comprehensive evaluation value of

each cubic information unit according to the correlation and weight value, and delineating the target area of metallogenic prediction; the neural network algorithm model is continuously optimized and adjusted by comparing and verifying with the actual exploration data. Based on the artificial intelligence algorithm, the invention improves the three-dimensional positioning prediction accuracy for the concealed ore body and the effectiveness of ore prospecting. The invention provides an effective method for the objective determination of weights and improves the reliability and accuracy of the prediction results.

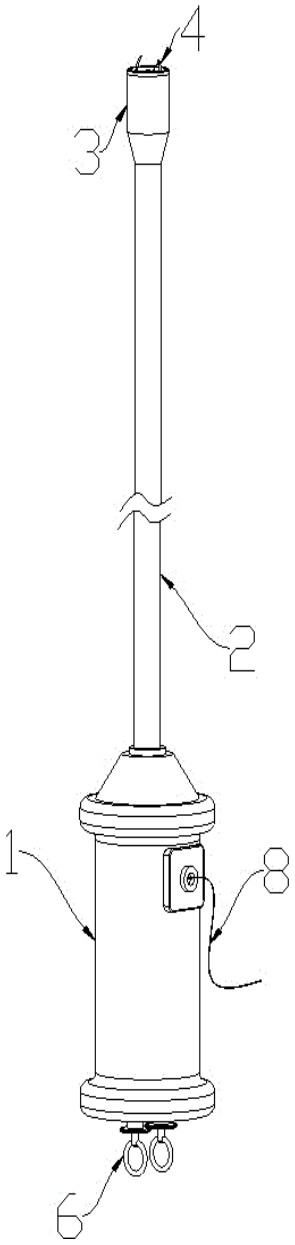


21: 2024/08349. 22: 2024/11/05. 43: 2025/05/08
51: G05B
71: Chongqing City Management College
72: Xiangfei Lv
54: A CONTROL METHOD AND SYSTEM FOR FLEXIBLE JOB SHOP PRODUCTION EQUIPMENT FOR AVOIDING THE PATH CONFLICT
00: -
The invention relates to the technical field of workshop production equipment control, in particular to a control method and system for flexible job shop production equipment for avoiding the path conflict, including the following steps: dynamic scheduling model construction, intelligent genetic algorithm solution, critical path identification and conflict avoidance, real-time feedback and dynamic adjustment, visual monitoring and decision support; The beneficial effects are as follows: the control method and system of flexible job shop production equipment which avoids path conflict proposed by the invention can dynamically build a scheduling model by updating the information of workpiece, machine tool and tool in real time and combining production demand and resource constraints. This dynamic nature makes the scheduling scheme reflect the change of production environment in real time and improves the accuracy and flexibility of scheduling.



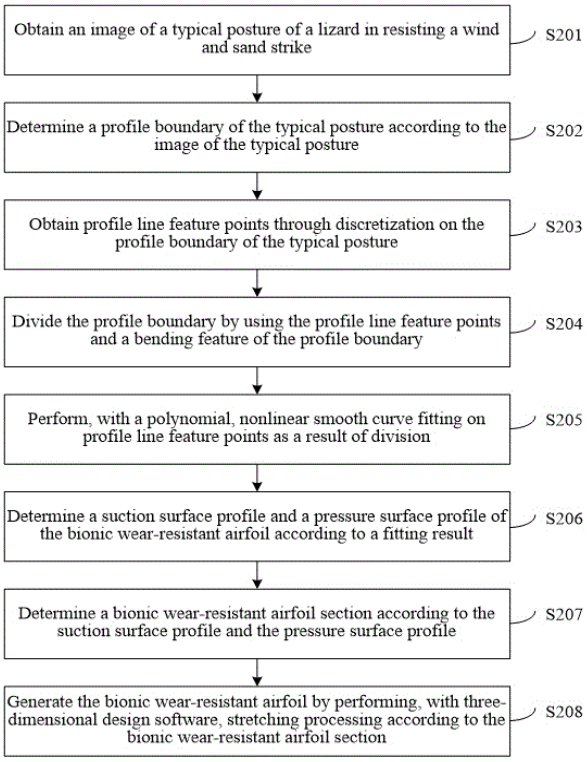
21: 2024/08350. 22: 2024/11/05. 43: 2025/05/08
51: A61B
71: THE FIRST MEDICAL CENTER OF THE GENERAL HOSPITAL OF THE CHINESE PEOPLE'S LIBERATION ARMY
72: CHEN QIANQIAN, LINGHU ENQIANG, WANG JIAFENG, YUAN YAOQIAN, SUN YUTONG, LI WANTING, XIAO PAN

54: A SOFT ENDOSCOPIC SUTURE DEVICE
00: -
The present invention provides a soft endoscopic suture device, comprising a handle member, a flexible conduit, and a suture end, wherein the handle member and the suture end are disposed at two ends of the flexible conduit, and the device includes: a suture assembly installed at the suture end for wound suturing; a pushing part installed in the handle member, which is connected to the suture assembly via a guiding wire to control the suture assembly for wound suturing, wherein the guiding wire passes through the flexible conduit; and a suture release section installed in the handle member, on which a knotless barbed suture is installed and connected to the suture assembly through the flexible conduit. In the present invention, the suture assembly is equipped with a curved suture needle, which is alternately controlled by a needle cannula or a needle tail cannula to move circumferentially around a pivot, allowing the suture needle to fully penetrate the wound tissue and reset. The suture needle performs intermittent or continuous suturing to reduce the operation of closing digestive tract wounds, enabling efficient and convenient suturing.



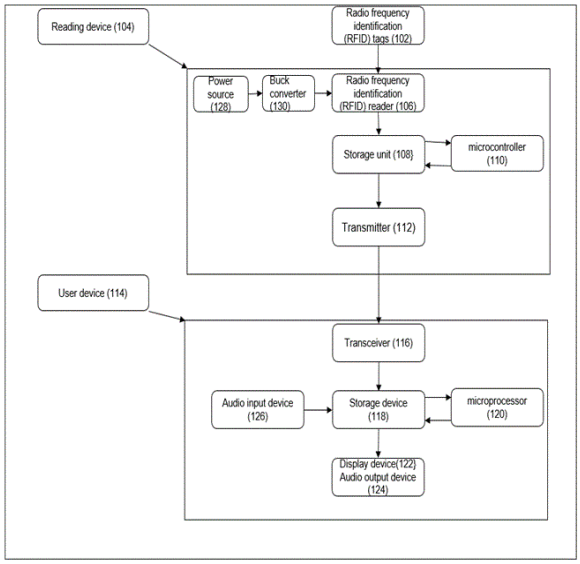
21: 2024/08351. 22: 2024/11/05. 43: 2025/05/08
51: G06F
71: Changjiang River Scientific Research Institute, Changjiang Water Resources Commission
72: DONG, Jing, ZHOU, Wangzi
33: CN 31: 202410896594.2 32: 2024-07-04
54: METHOD, DEVICE, AND PRODUCT FOR DETERMINING BIONIC WEAR-RESISTANT AIRFOIL
00: -
Disclosed are a method, device and product for determining a bionic wear-resistant airfoil. The method includes: obtaining an image of a typical posture of a lizard in resisting a wind and sand

strike; determining a profile boundary of the typical posture; obtaining profile line feature points through discretization on the profile boundary of the typical posture; dividing the profile boundary by using the profile line feature points and a bending feature of the profile boundary; performing, with a polynomial, smooth curve fitting on profile line feature points as a result of division; determining a suction surface profile and a pressure surface profile of the bionic wear-resistant airfoil according to a fitting result; determining a bionic wear-resistant airfoil section according to the suction surface profile and the pressure surface profile; and generating the bionic wear-resistant airfoil by performing, with three-dimensional design software, lofting processing.



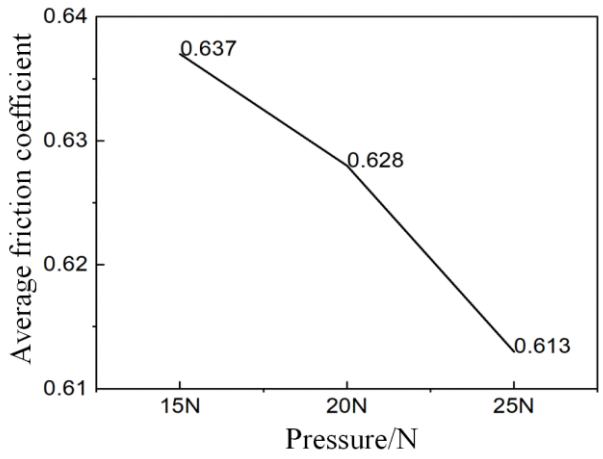
21: 2024/08373. 22: 2024/11/06. 43: 2025/05/08
51: A63F; E21D; G07C; H02J
71: Dr. Unnikrishnan K, Hafis Muhammed TK, Lekshmi R Nair
72: Dr. Unnikrishnan K, Lekshmi R Nair, Hafis Muhammed TK, Devanandana T S, Anusree V, Shyamkrishna U, Anagha R
33: IN 31: 202441055223 32: 2024-07-19
54: A GAMING SYSTEM FOR MENTALLY CHALLENGED PEOPLE AND ITS METHOD THEREOF
00: -

This disclosure presents a gaming system designed to support mentally challenged individuals, comprising objects equipped with radio frequency identification (RFID) tags and a corresponding infrastructure for interaction and feedback. The system includes a reading device incorporating an RFID reader to detect tagged objects, a microcontroller for data processing and identification, and a transmitter for data transmission. A user device equipped with a transceiver receives and processes transmitted data, displaying identified objects on a screen and providing auditory feedback via an audio output device. An integrated audio input device captures user interaction. Power is managed by multiple sources and regulated by a buck converter, ensuring operational stability. This system enhances engagement and accessibility through interactive gaming experiences tailored to cognitive needs.



21: 2024/08374. 22: 2024/11/06. 43: 2025/05/08
51: C21D
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: CHEN Ronghua, LI Wenhao, WANG Rui, LIANG Juntao
54: METHOD FOR DETECTING WEAR RESISTANCE OF ADDITIVE MANUFACTURING 316L STAINLESS STEEL
00: -
The invention provides a method for detecting wear resistance of additive manufacturing 316L stainless steel, and belongs to the technical field of additive manufacturing. In the invention, additive

manufacturing 316L stainless steel and ordinary 316L stainless steel are used as research materials, and a method combining friction and wear detecting, microscopic component characterization and finite element simulation is adopted for analysis, so as to provide theoretical reference for reducing mechanical wear and improving performance.



21: 2024/08375. 22: 2024/11/06. 43: 2025/05/08
51: C22C
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: CHEN Ronghua, FEI Qiqi, WANG Rui, WANG Jiale

54: ADDITIVE MANUFACTURING CORROSION-RESISTANT STAINLESS STEEL AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention provides an additive manufacturing corrosion-resistant stainless steel and a preparation method and application thereof, and belongs to the technical field of additive manufacturing. The additive manufacturing corrosion-resistant stainless steel comprises following components in percentage by mass: Cr: 16-18 wt%, Ni: 10-14 wt%, Mo: 1.54-3 wt%, Mn: 2.72-3 wt%, Si: 0.85-1 wt%, C: 0.008-0.03 wt%, and S and P: 0.007-0.03wt%. The balance is 0.007-0.03wt%% of iron and impurity elements. By determining the proportion of each component in the metal powder raw material and controlling the laser additive manufacturing parameters, nano-scale inclusions are dispersed in the prepared corrosion-resistant stainless steel, which has excellent performance parameters and is more suitable for chemical industry, marine engineering, medical equipment, aerospace and the like.

21: 2024/08378. 22: 2024/11/06. 43: 2025/05/08
51: A45D
71: ANNANDALE, Pieter Conley, GROENEWALD, Breyten
72: ANNANDALE, Pieter Conley, GROENEWALD, Breyten
33: ZA 31: 2023/10342 32: 2023-11-07

54: HAIRBRUSH

00: -

A hairbrush including an elongate handle, a brush head, and a shaft which extends at least partly between the handle and the brush head and which defines a longitudinal axis, wherein the brush head is mounted for rotation about the longitudinal axis, and a control mechanism which allows said rotation only when a rotational force applied to the brush head exceeds an adjustable threshold value

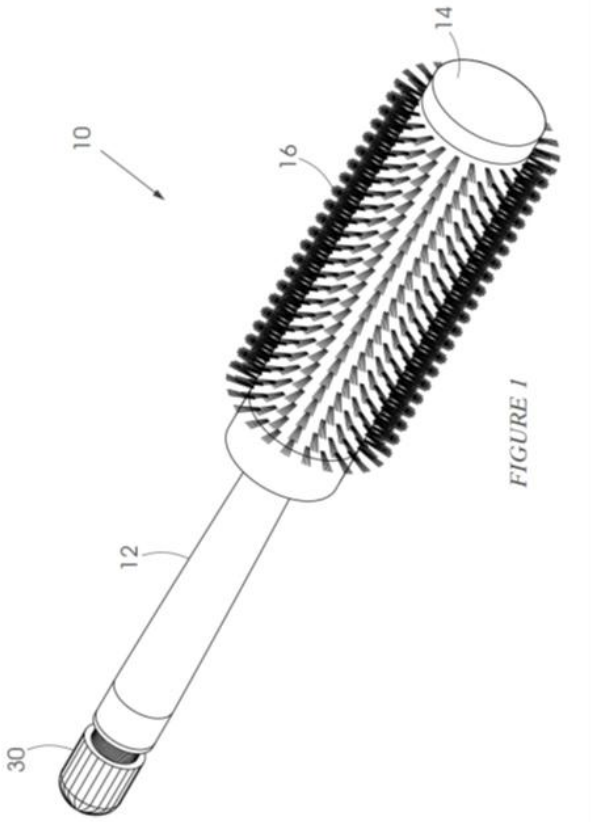


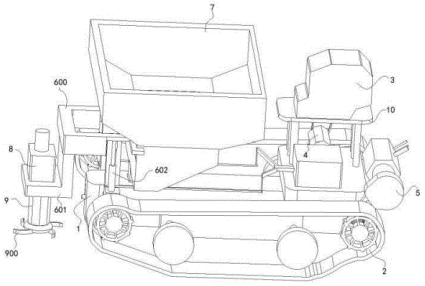
FIGURE 1

21: 2024/08379. 22: 2024/11/06. 43: 2025/05/08
51: A01B
71: Institute of Agricultural Machinery Research, Chinese Academy of Tropical Agricultural Sciences
72: DENG, Yiguo, WANG, Yeqin, CHEN, Peimin, YAN, Bo, JI, Chao
33: CN 31: 202410004848.5 32: 2024-01-03

54: MILLING CUTTER-BASED SPIRAL DITCHING FERTILIZER APPLICATOR

00: -

The present application relates to a milling cutter-based spiral ditching fertilizer applicator and a root-cutting fertilizer application method. The fertilizer applicator adopts a spiral ditching milling cutter set and is driven by a walking mechanism so that complex and staggered root systems may be fully cut and broken using the working characteristics of a milling machine and a milling cutter during the gradual travelling. Meanwhile, the cut root systems and soil are discharged in a spiral manner to complete ditching so as to solve the problems that the traditional ditching shovel and ploughing head are blocked by the root systems, making the ditching and root cutting operation difficult. In addition, a generator set is driven by a fuel engine to generate electric energy, thereby reducing a large number of mechanical transmission structures. Thus, the fuel engine is in an optimal operating condition, saving the fuel.

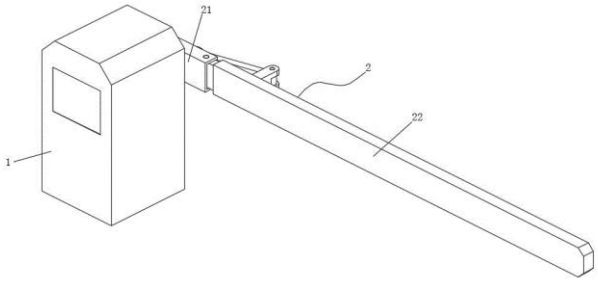


21: 2024/08380. 22: 2024/11/06. 43: 2025/05/08
51: G06K
71: Henan University of Urban Construction
72: Xiaoming Li, Liyuan Qu

54: A TRAFFIC CONTROL BARRIER GATE FOR URBAN MANAGEMENT

00: -

The invention provides a traffic control barrier gate for urban management, relating to the technical field of barrier gates. It includes a fixed box, with a warning mechanism installed on the outside of the fixed box. The warning mechanism comprises a rotating frame, with a warning rod hinged to the inner wall of the rotating frame. The outer surface of the warning rod is fixedly connected to a hinge base, which is hinged to a connecting rod. One end of the connecting rod, far from the hinge base, is hinged to an anti-detachment block, which is slidably connected to the inner wall of the rotating frame. The inner wall of the anti-detachment block is slidably connected to a hemispherical limiting rod, which is adapted to fit with the rotating frame. Through the setup of the warning mechanism, the barrier gate for urban management can bend when a vehicle touches the warning rod, thereby preventing the warning rod from causing more damage to the vehicle and making the warning rod less prone to damage. This increases the service life of the warning rod and reduces the harm caused when a vehicle comes into contact with it.

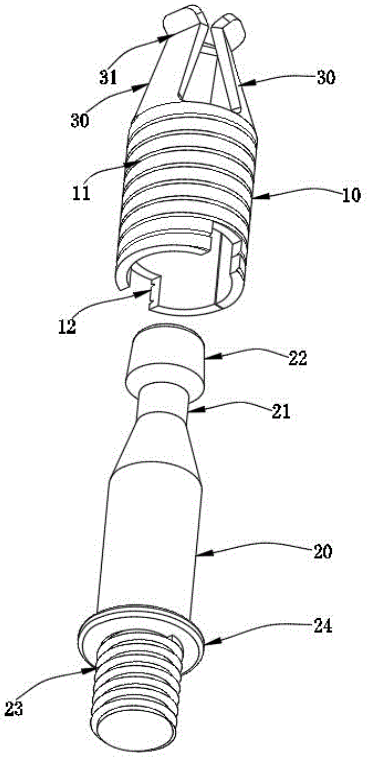


21: 2024/08381. 22: 2024/11/06. 43: 2025/05/08
51: E05C
71: Yangjiang Yugongfang Home Furnishings Co., Ltd
72: Guan Yancong

54: SPRING COTTER CONNECTING KIT

00: -

The utility model discloses a spring cotter connecting kit, including a spring coil tube and a connecting rod, and the spring coil tube is of a hollow tubular structure, where multiple elastic blades are arranged at one end of the spring coil tube, gaps are formed between the multiple elastic blades, each of the multiple elastic blades is provided with a clamping structure, a clamping groove and a cross head are arranged at one end of the connecting rod, an outer diameter of the cross head is larger than an outer diameter of the clamping groove, the cross head at one end of the connecting rod extends to an outer side of the elastic blade from one end of the spring coil tube, and the clamping structure is arranged in the clamping groove.



21: 2024/08382. 22: 2024/11/06. 43: 2025/05/08
51: A01B
71: Shanghai Academy of Agricultural Sciences
72: QIN, Qin, XUE, Yong, WANG, Jun, SUN, Yafei, SUN, Lijuan, YANG, Shiyan

54: FERTILIZING METHOD FOR REDUCING HEAVY METAL POLLUTION IN SOIL AND APPLICATION THEREOF

00: -

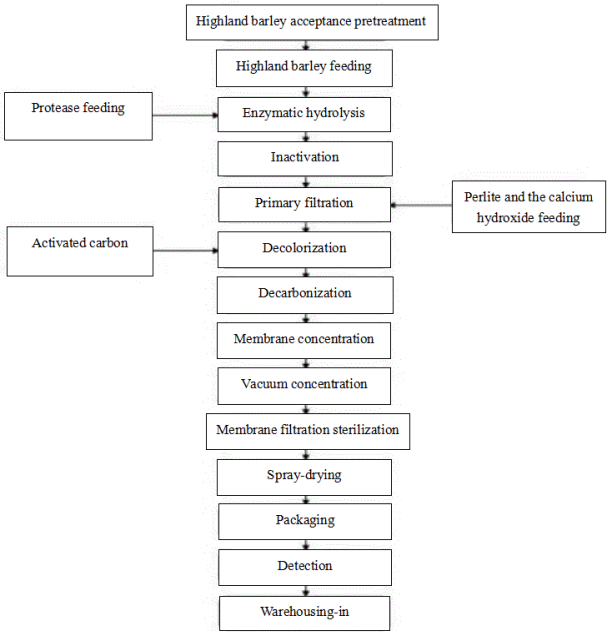
The present invention provides a fertilizing method for reducing heavy metal pollution in soil and application thereof. Organic nitrogen and inorganic nitrogen are fertilized in a mass ratio of 3: 2 by less organic fertilizer with a nitrogen fertilizer and a chelating agent. The organic nitrogen is applied as a base fertilizer once, the inorganic nitrogen is applied as the base fertilizer and a top dressing, and the chelating agent is applied as the top dressing. The fertilizing method reduces the content and activity of heavy metal cadmium in soil of facility vegetable fields and maintains the soil fertility through organic fertilizer reduction and balanced application of nitrogen fertilizer. The fertilizing method can reduce the total amount and available content of cadmium and the accumulation risk of heavy metal cadmium in the soil of the facility vegetable fields, ensure the effective supply of soil nutrients through reasonable application of fertilizers.

21: 2024/08383. 22: 2024/11/06. 43: 2025/05/08
51: C07K
71: Shilian Bioengineering Wuxi Co., Ltd.
72: CHEN, Heping, FENG, Jianbin, ZHOU, Yao, YANG, Chenqing

54: PREPARATION METHOD FOR EXTRACTING HIGHLAND BARLEY PEPTIDE

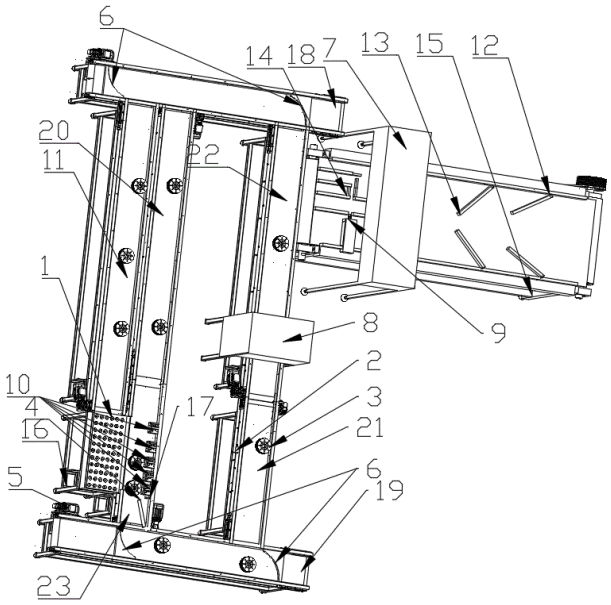
00: -

Disclosed is a preparation method for extracting highland barley peptide, including the following steps: (1) highland barley acceptance pretreatment; (2) highland barley feeding; (3) enzymatic hydrolysis; (4) inactivation; (5) primary filtration; (6) decolorization; (7) decarbonization; (8) membrane concentration; (9) vacuum concentration; (10) membrane filtration sterilization; (11) spray-drying; (12) packaging; (13) detection; and (14) warehousing-in. The method of the present invention significantly enhances extraction rate of peptides from highland barley, with an average extraction rate exceeding 97%. It greatly reduces loss of the highland barley peptide during extraction process and achieves excellent retention effects.

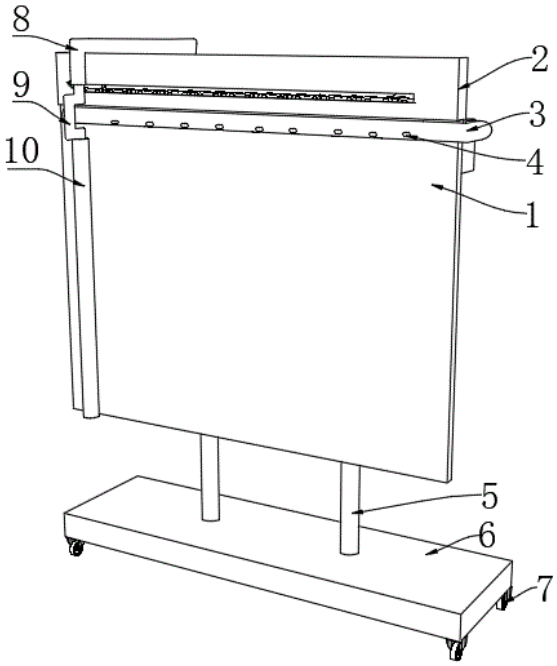


21: 2024/08384. 22: 2024/11/06. 43: 2025/05/09
51: B07C

71: Anhui Science And Technology University, Chuzhou Hetian Agricultural Machinery Co., Ltd.
72: ZHANG, Chunyan, AI, Zhiyun, QIAO, Yinhu, ZHAO, Wei, LIAO, Junling, KANG, Hao, WU, Xiangji
54: INTELLIGENT FRUIT QUALITY GRADING DEVICE
00: -
The present invention provides an intelligent fruit quality grading device to solve the technical problems of automatic grading of fruits, grading fruit quality and fruit surface quality, improving grading efficiency, and having low damage rate in a sorting process. In the present invention, a motor is fixed on a conveyor belt and a fixed beat bracket, balls are fixed on an outlet bracket, a weighing sensor is fixed below a weighing conveyor belt, a secondary cylinder is fixed on the grading conveyor belt, a guide plate is fixed at a front end of a secondary cylinder, a primary vision device is fixed on the fixed beat bracket, and a secondary vision device is fixed on a fixed beat outlet conveyor belt.

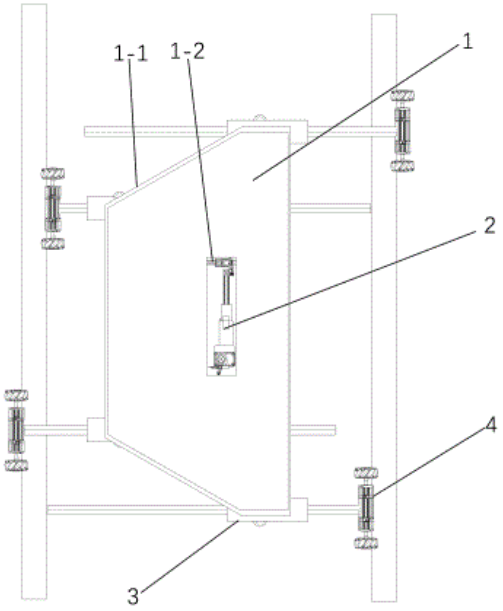


21: 2024/08385. 22: 2024/11/06. 43: 2025/05/09
51: G09B
71: Zhejiang Normal University
72: Xue Yutong
54: DEMONSTRATION BOARD FOR SPANISH GRAMMAR TEACHING
00: -
The present invention provides a demonstration board for Spanish grammar teaching, including a writing board. A top of the writing board is fixedly connected to a cleaning box, a rear side of the cleaning box is fixedly connected to a motor, an output end of the motor penetrates through the cleaning box and is fixedly connected to a sprocket, a left rear side of an inner wall of the cleaning box is rotatably connected to a sprocket. In the present invention, the motor is turned on to work, and a chain drives a sponge rod to move on a surface of the writing board, cleaning dust on the surface of the writing board. At the same time, a blower is turned on to work, and the blower sucks the generated dust into a filter box, improving a use effect.

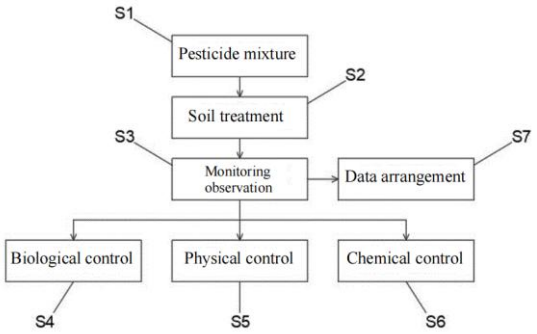


21: 2024/08386. 22: 2024/11/06. 43: 2025/05/12
51: B21D
71: Taiyuan University of Science and Technology
72: HU, Ying, HU, Peng, WANG, Xiaogang, YANG, Boyuan, HAN, Minwu
33: CN 31: 202323185016.8 32: 2023-11-23
54: INSPECTION AND REGRINDING APPARATUS FOR STRAIGHTENING ROLLS
00: -
An inspection and regrinding apparatus for straightening rolls is disclosed, falls within the technical field of straightening roll repair equipment, and solves the technical problems of being time-consuming, laborious, and inefficient in the existing straightening rolls requiring manual inspection and regrinding. The inspection and regrinding apparatus for straightening rolls is erected on lower

straightening rolls. The inspection and regrinding apparatus for straightening rolls includes a regrinding base, a regrinding mechanism, a transverse moving mechanism, a longitudinal moving mechanism, and a control system. Dust-proof baffles are provided all around the regrinding base, and a rectangular opening is arranged in the middle of a bottom surface. The regrinding mechanism is provided at the rectangular opening of the regrinding base. The transverse moving mechanism includes four sets of moving apparatuses which are provided in a staggered manner below the regrinding base. The longitudinal moving mechanism includes four horizontally provided transmission shafts.



21: 2024/08387. 22: 2024/11/06. 43: 2025/05/09
51: A01P
71: Institute of Plant Protection, Henan Academy of Agricultural Sciences
72: Gong Zhongjun, Wu Yuqing, Miao Jin
54: METHOD FOR PREVENTING AND CONTROLLING UNDERGROUND PESTS IN FARMLAND
00: -
A method for preventing and controlling underground pests in farmland is disclosed in the present invention, including the following steps: pesticide mixture, selecting bifenthrin accounting for 52% by weight and phoxim accounting for 26% by weight; mixing bifenthrin, phoxim and clothianidin, adding proper amount of mixed pesticide into the stir-fried wheat bran to stir well, evenly scattering the wheat bran mixed with the pesticide on the cultivated soil, evenly deep plowing the soil after scattering well, controlling a depth of plowing at about 30 cm, and drying for one or two days after completing the deep plowing to achieve a more efficient killing effect on pests in the soil; and selecting appropriate amount of sand after drying, treating the sand with high temperature sterilization, adding the mixed pesticide to the sand after the treatment to stir well, and evenly scattering the sand mixed with the pesticide on the soil surface after deep plowing. In this way, the pesticide may gradually penetrate into the soil with rainfall, to achieve a more long-lasting insecticidal effect and a longer lasting period.



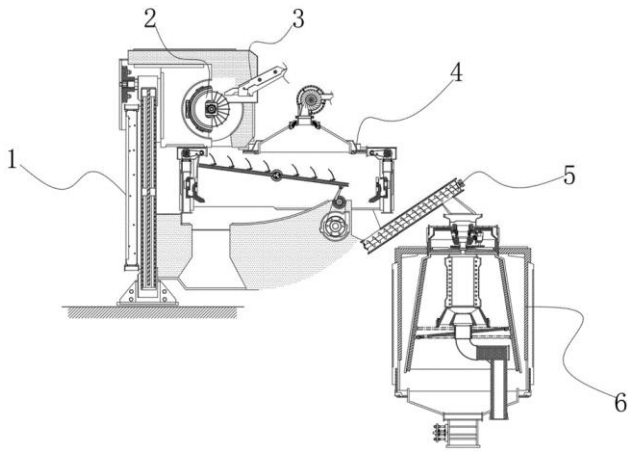
21: 2024/08388. 22: 2024/11/06. 43: 2025/05/09
51: A61K; C07K; C12N; A61P
71: BIOSION INC.
72: CHEN, Mingjiu, MA, Mark Zhiqing, PENG, Zeyu, LIU, Jinyu
33: CN 31: PCT/CN2022/088000 32: 2022-04-20
54: ANTIBODIES TARGETING SIRP-ALPHA AND USES THEREOF
00: -
The present disclosure provides an isolated monoclonal antibody that specifically binds human SIRPa, or an antigen-binding portion thereof. A nucleic acid molecule encoding the antibody or the antigen-binding portion thereof, an expression vector, a host cell and a method for expressing the antibody or the antigen-binding portion thereof are also provided. The present disclosure further provides a bispecific molecule, an immunoconjugate, a chimeric antigen receptor, an oncolytic virus and a pharmaceutical composition comprising the antibody or the antigen-binding portion thereof, as well as a treatment method using an anti-SIRPa antibody or the antigen-binding portion thereof.

21: 2024/08424. 22: 2024/11/07. 43: 2025/05/09
51: A23N
71: Tarim university
72: ZENG Yong, MAO Biqi, MA Jiale, ZHANG Hong, ZHANG Yongcheng

54: DEVICE FOR COLLECTING WALNUT KERNELS

00: -

The invention discloses a device for collecting walnut kernels, including an installation machine body, a material conveying belt plate, a feeding guide wheel, a broken particle screening and separating component, a conveying screw blade and a separating and collecting component, and an extrusion component is arranged above the material conveying belt plate, the extrusion component is used for breaking the shell of walnuts, where one side of the upper end face of the installation machine body is provided with a discharge port for conveying and feeding, the installation machine body is internally provided with a feeding guide wheel, the feeding guide wheel is capable of rotating relatively, and a plurality of accommodating chambers for temporarily storing materials are uniformly arranged on the feeding guide wheel, the storage cavity is internally provided with the broken particle screening and separating component, one side of the installation machine body is provided with a separating and collecting component, a conveying screw blade is obliquely fixed between the separating and collecting component and the broken particle screening and separation component, and the screened shells and kernels of walnuts are conveyed to the separating and collecting component for collection by the rotation of the conveying screw blade; and the separating and collecting component carries out primary separation and collection treatment on shells and kernels of walnuts through the internal centrifugal rotation of the separating and collecting component.



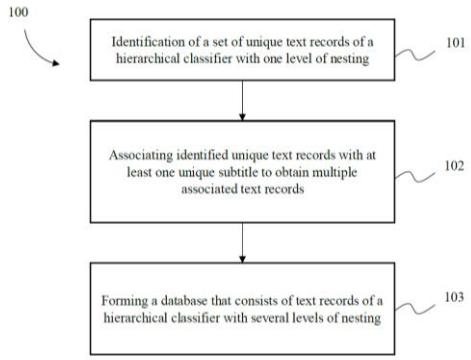
21: 2024/08426. 22: 2024/11/07. 43: 2025/05/12
51: G06F
71: Anna Valerevna Chernyaeva
72: Maksim Andreevich Chernyaev
33: RU 31: 2024128775 32: 2024-09-27

54: A METHOD FOR GENERATING A LIST OF TEXT RECORDS USING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING

00: -

The present technical solution relates to the field of digital technologies, in particular to the methods of forming databases of text records of a hierarchical classifier with several levels of nesting. The technical result is the automation of the formation of a list of goods and services and an increase in the accuracy of the formation of a list of goods and services through the use of hierarchical relationships using the sign of connectivity of records. In a preferred embodiment claimed a method for generating a list of text entries executed by the processor of a computer device, containing the following steps: forming request to a database of the text records of a hierarchical classifier with several levels of nesting, and the database contains at least a set of the associated text records, wherein each of the associated text records associated with at least one first sign of connectivity, and each first sign of connectivity corresponds to one of the subheadings, and each unique text record is associated with a unique title, wherein each unique title contains a list consisting of at least plurality of the unique subheadings; and the unique text records are associated in the database with one of the mentioned unique subheadings to obtain a set of associated text records; extracting multiple

associated text records from the database; forming a list from the extracted text records, wherein the text records are written in the list using a delimiter.

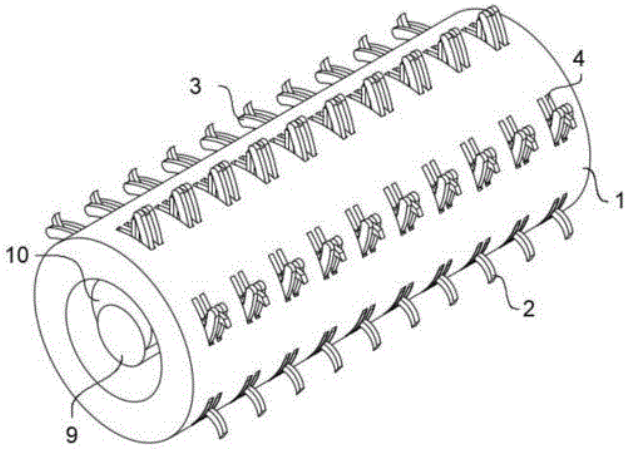


21: 2024/08430. 22: 2024/11/07. 43: 2025/05/09
51: A23N
71: Tarim University
72: MAO Biqi, ZENG Yong, ZHANG Yongcheng, ZHANG Hong, LIU Yang

54: AUTOMATIC SCREENING AND RECYCLING DEVICE FOR RESIDUAL FILM IN COTTON FIELD

00: -

The invention discloses automatic screening and recycling equipment for residual film in cotton field, which comprises a cylinder body with a hollow structure; film picking teeth, a plurality of rows of which are fixedly distributed on the circumferential side wall of the cylinder body at equal intervals; toggle plates, in pairs of two, distributed on both sides of each film picking tooth; accommodation grooves, which are the same as the number of the toggle plates, are arranged on the circumferential side wall of the cylinder body and are matched with the toggle plates; where the toggle plate has two states, a contracted state and an expanded state; in the contracted state, the toggle plate is located in the accommodating groove. According to the invention, the conventional eccentric structure is not adopted to make the film picking teeth slide relative to the film stripping drum, so that the film stripping drum is matched with the film picking teeth to peel off the film; instead, a rotatable toggle plate is arranged on the film stripping drum, and the residual film is gradually overturned and pushed out from the film picking teeth during the upward rotation of the film picking teeth along the film stripping drum, so as to complete the film stripping, and avoid the structural damage in the film stripping drum caused by the falling of clods in the film stripping drum.



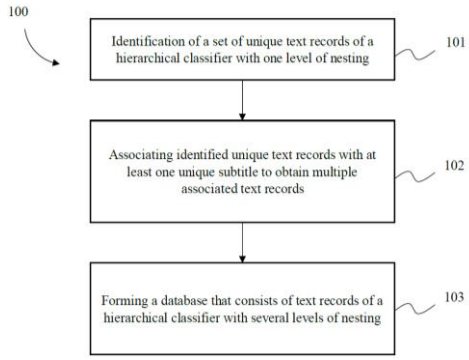
21: 2024/08431. 22: 2024/11/07. 43: 2025/05/12
51: G06F
71: Anna Valerevna Chernyaeva
72: Maksim Andreevich Chernyaev
33: RU 31: 2024128776 32: 2024-09-27

54: MACHINE-READAEBLE MEDIA FOR CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING

00: -

The present technical solution relates to the field of digital technologies, in particular to the methods of forming databases of text records of a hierarchical classifier with several levels of nesting. The technical result is the automation of the formation of a list of goods and services and an increase in the accuracy of the formation of a list of goods and services through the use of hierarchical relationships using the sign of connectivity of records. In a preferred embodiment claimed a machine-readable media containing instructions executed by a processor of a computing device, wherein said instructions executes the following steps: identify a set of unique text records of a hierarchical classifier with one level of nesting, and each unique text entry is associated with a unique title; Each unique title contains a list consisting of at least many unique subheadings; associate the mentioned identified unique text entries with one of the mentioned unique subheadings to obtain a plurality of associated text entries; a database of text records of a hierarchical classifier with several levels of nesting is formed, containing at least a set of the mentioned associated text records, with each of which at least one first sign

of connectivity is associated, and each first sign of connectivity corresponds to one of the mentioned subheadings and the sign of connectivity is a unique identifier of one of the mentioned subheadings.

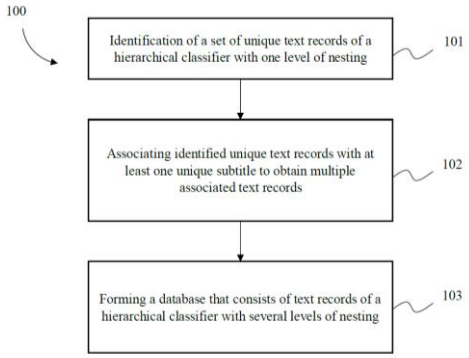


21: 2024/08432. 22: 2024/11/07. 43: 2025/05/12
51: G06F
71: Anna Valerevna Chernyaeva
72: Maksim Andreevich Chernyaev
33: RU 31: 2024128778 32: 2024-09-27

54: DEVICE FOR CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING

00: -

The present technical solution relates to the field of digital technologies, in particular to the methods of forming databases of text records of a hierarchical classifier with several levels of nesting. The technical result is the automation of the formation of a list of goods and services and an increase in the accuracy of the formation of a list of goods and services through the use of hierarchical relationships using the sign of connectivity of records. In a preferred embodiment claimed a device for forming a database of text records of a hierarchical classifier with multiple levels of nesting containing at least one processor, wherein the processor executing the following steps: identify a set of unique text records of a hierarchical classifier with one level of nesting, and each unique text entry is associated with a unique title; each unique title contains a list consisting of at least many unique subheadings; associate the mentioned identified unique text entries with one of the mentioned unique subheadings to obtain a plurality of associated text entries; a database of text records of a hierarchical classifier with several levels of nesting is formed, containing at least a set of the mentioned associated text records, with each of which at least one first sign of connectivity is associated, and each first sign of connectivity corresponds to one of the mentioned subheadings and the sign of connectivity is a unique identifier of one of the mentioned subheadings.



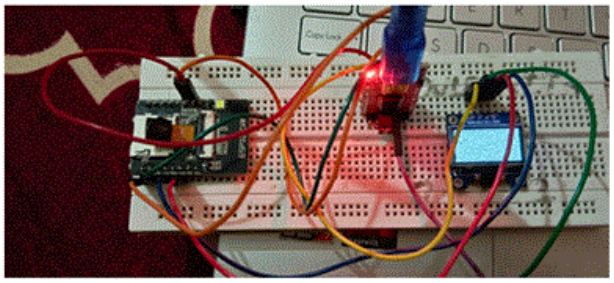
21: 2024/08436. 22: 2024/11/07. 43: 2025/05/12
51: A01K
71: Thiagarajar College of Engineering
72: Dr. S Julius Fusic, Abdulfarith R A, Dr. M Balamurali, M M Devarajan, Sarveshwaran S, Mohamed Ashwaque Noor Mohamed, Dr. P Krishna Priya
33: IN 31: 202441009072 32: 2024-02-10

54: DEEP CONVOLUTIONAL NEURAL NETWORK BASED FISH QUALITY ASSESSMENT SYSTEM

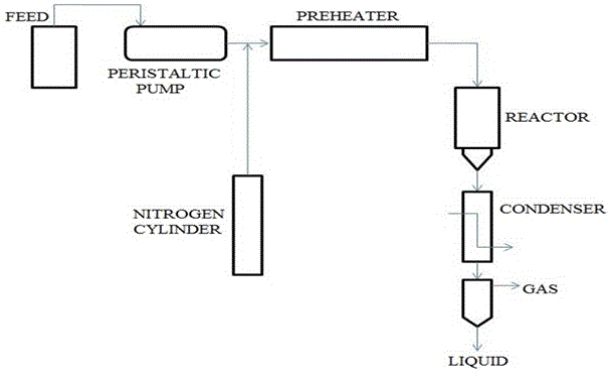
00: -

The disclosed invention pertains to the Deep Convolutional Neural Network (DCNN) based fish quality assessment system that is a revolutionary integration of computer vision, artificial intelligence, and food technology. The invention is focused on seafood quality assessment and the system employs advanced AI and deep learning techniques to analyze images of fish, contributing to the development of intelligent systems ensuring fish product quality and sustainability. By automating and objectively evaluating various aspects of fish quality, including freshness and defects, the DCNN model transforms traditional quality control processes. Notably, its efficiency enhancement enables large-scale, real-time fish quality assessment, reducing time and labor. The system's objectivity and nutritional analysis align with public health imperatives, while sustainability features promote responsible fishing practices. With applications in fisheries, an Android application facilitates user-

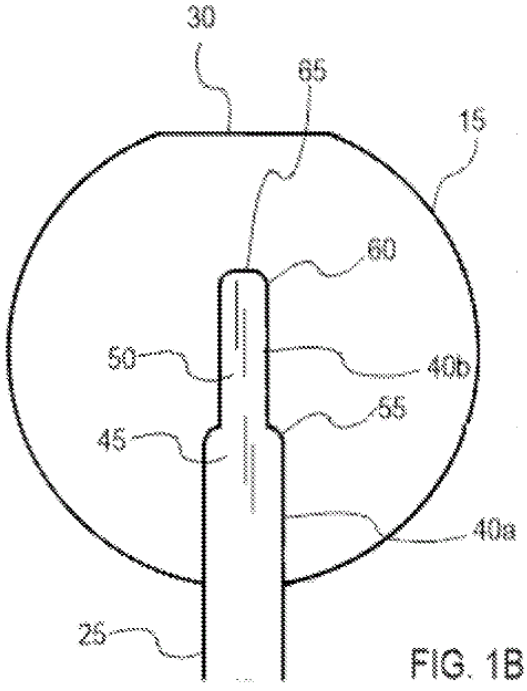
friendly interaction. This innovative system offers a comprehensive tool for fish species classification, freshness assessment, and enhanced seafood industry efficiency.



21: 2024/08438. 22: 2024/11/07. 43: 2025/05/12
51: C10G
71: Dr. Saurabh Yadav, Dr. Neeru Anand, Dr. Dinesh Kumar, Dr. Maharshi Yadav, Dr. Rohit Kumar Singh, Dr. Shivendu Saxena, Girish Singh, Pankaj Kumar
72: Dr. Saurabh Yadav, Dr. Neeru Anand, Dr. Dinesh Kumar, Dr. Maharshi Yadav, Dr. Rohit Kumar Singh, Dr. Shivendu Saxena, Girish Singh, Pankaj Kumar
33: IN 31: 202411056290 32: 2024-07-24
54: A METHOD FOR PRODUCTION OF HYDROCARBONS OF LIQUID FUEL RANGE FROM NON-EDIBLE OIL USING ZEOLITE CATALYST
00: -
The present invention discloses a method for producing liquid hydrocarbons from non-edible oils, specifically Jatropha curcas oil using a ZSM-5 catalyst. The method involves preheating the oil to 250°C, conducting catalytic cracking in a reactor at 400°C to 450°C, and separating the resulting products into liquid and gaseous phases. The process parameters, including temperature, catalyst weight, and tetralin-oil ratio, are optimized to enhance the yield of hydrocarbon fractions in the C6-C8, C9-C13, and C14-C18 ranges. The effectiveness of the method is evaluated through Gas Chromatography with a Flame Ionization Detector (GC-FID), revealing improved yields and quality of hydrocarbons compared to non-catalytic methods. This advanced method provides a sustainable approach for producing valuable liquid hydrocarbons from non-edible oils. Accompanied Drawings [Fig. 1]

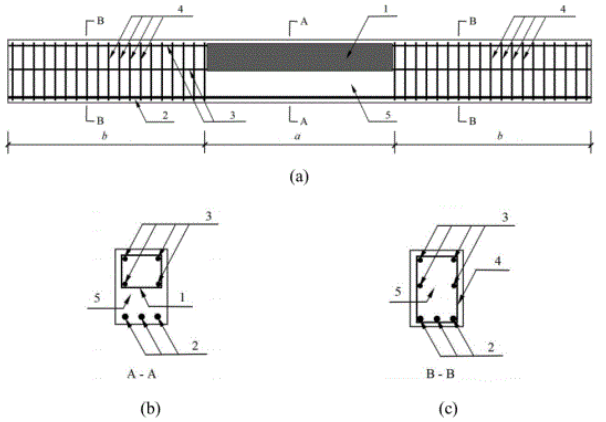


21: 2024/08460. 22: 2024/11/07. 43: 2025/05/14
51: E04C
71: LOGGO IP PTY LTD IN ITS CAPACITY AS TRUSTEE FOR THORNTON IP TRUST
72: THORNTON, Patrick, BLAIR, Peter
33: AU 31: 2022901346 32: 2022-05-19
54: IMPROVED WEB CONNECTION WITH TIMBER FLANGE
00: -
A timber structural member having an I-beam configuration having a first slotted timber flange and a second slotted timber flange, and a web having opposed tongues. Each of the opposed tongues is arranged in a respective slot to connect the first and second flanges.

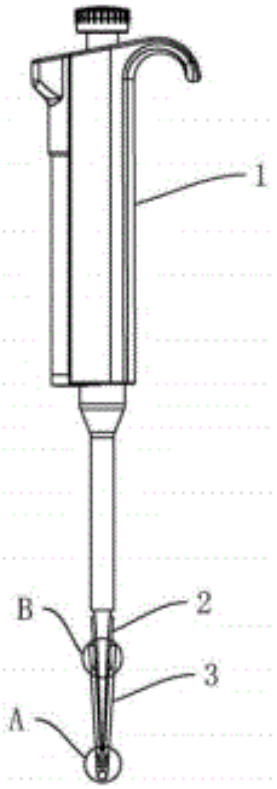


21: 2024/08467. 22: 2024/11/08. 43: 2025/05/14

51: E04G
71: Zhejiang University of Science and Technology, Dalian University of Technology, TIANJIN RENAI COLLEGE
72: Hongwei WANG, Zhimin WU, Xu JIANG, Xiaoyan HAN, Jinjin XU, Kaiming PAN
54: CARBON FIBER CLOTH CONFINED FRP REINFORCED CONCRETE BEAM
00: -
The present invention provides a carbon fiber cloth confined FRP reinforced concrete beam, which belongs to the technical field of building. The concrete beam includes concrete and an FRP longitudinal bar, a shear stirrup and a carbon fiber cloth that are arranged in concrete; the carbon fiber cloth is wrapped in a compressive region of the FRP frame, the compressive region of the pure bending section of the FRP reinforced concrete beam is confined by the carbon fiber cloth, the FRP longitudinal bar with a high reinforcement ratio is arranged in a tensile region; the shear stirrup is arranged at bending and shearing sections according to a required shear bearing capacity, the concrete is directly poured after the binding of the FRP reinforcement frame is completed, and the carbon fiber cloth confined FRP reinforced concrete beam is obtained. Compared with ordinary FRP reinforced concrete beams, the carbon fiber cloth confined FRP reinforced concrete beams perform very well in terms of ductility. This is due to the generation of plastic hinge in the compressive region of the test beam, leading to a large plastic rotation, which is similar to the yield in reinforced concrete beams. The present invention can solve the problem that the FRP reinforced concrete beam cannot be applied due to insufficient ductility in practical engineering, and can improve its bearing capacity.



21: 2024/08469. 22: 2024/11/08. 43: 2025/05/14
51: C12M
71: The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University
72: FU, Panhan, JIN, Shengwei, LI, Hui, MEI, Hongxia, CHEN, Huilong
54: THE INVENTION RELATES TO AN ANIMAL ABDOMINAL CAVITY CELL EXTRACTION DEVICE
00: -
The invention discloses an animal abdominal cavity cell extraction device, which relates to the technical field of animal experimental device, including a pipette and a sleeve head, one end of which has a gun head; The sleeve head is used to cover the outside of the gun head and communicate with the gun head, the front end of the sleeve head rotation is provided with a ball, and the side wall of the sleeve head is provided with at least one liquid suction hole connecting the inside of the sleeve head; The side wall of the sleeve head is also provided with a blowing channel connecting the inside and the outside world, and the blowing channel can communicate with the blowing equipment to blow air into the sleeve head. The animal abdominal cavity cell extraction device provided by the invention can more conveniently absorb body fluids and reduce the problem of being blocked by tissues.



21: 2024/08470. 22: 2024/11/08. 43: 2025/05/14
51: A61K
71: SHANDONG PUBLIC HEALTH CLINICAL CENTER
72: ZHAO, Di, ZHAO, Tian, RONG, Ningning, ZHU, Aihua

54: DIETARY FORMULA APPLICABLE TO REHABILITATION OF CARDIOVASCULAR AND CEREBROVASCULAR DISEASES AND CAPABLE OF NOURISHING LIVER AND KIDNEY

00: -

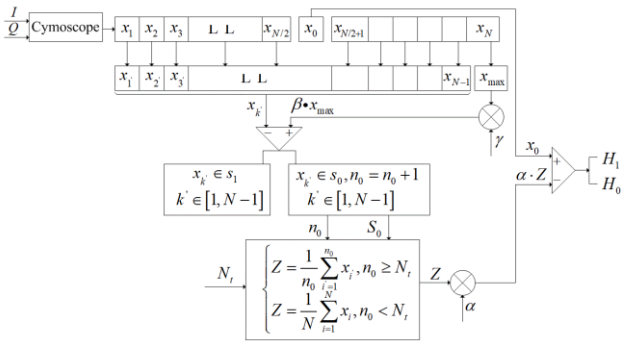
Disclosed in the present invention is a dietary formula applicable to rehabilitation of cardiovascular and cerebrovascular diseases and capable of nourishing the liver and kidney, which relates to the technical field of dietary formulas. The dietary formula includes the components by weight: 200-300 parts of staple food materials, 10-20 parts of supplementary food materials, 2-5 parts of flavoring materials, 3-5 parts of Polygonatum sibiricum, 3-5 parts of Astragalus membranaceus, 3-5 parts of Fructus lycii, 3-5 parts of American ginseng, 3-5 parts of Semen juglandis, 3-5 parts of Nelumbinis plumula, 3-5 parts of red dates and 3-5 parts of ginger.

21: 2024/08471. 22: 2024/11/08. 43: 2025/05/14
51: G01S
71: Anhui Polytechnic University, Electronic Radar (Wuhu) Technology Co.Ltd., Yangtze River Delta HIT Robot Technology Research Institute
72: WANG Lulin, LIU Guiru, SUN Jian, WANG Wei, CHEN Shuang

54: MILLIMETER WAVE RADAR TARGET DETECTION SYSTEM AND DETECTION METHOD THEREOF

00: -

The invention provides a dual censoring constant false alarm rate target detection system based on maximal reference cells and a target detection method thereof, including a radar front-end module, an intermediate frequency signal processing module connected with the output end of the radar front-end module, a filter amplifier circuit connected with the output end of the intermediate frequency signal processing module, an A/D conversion circuit connected with the output end of the filter amplifier circuit, a back-end signal processing module connected with the output end of the A/D conversion circuit, and a frequency modulation signal generating circuit connected with the output end of the back-end signal processing module. The invention solves the technical problems that the false alarm probability and missed detection rate of the existing target detection methods are high, and when the detection threshold is obtained, the censoring threshold depends on prior knowledge. The maximum reference cells are effectively censored by the censoring threshold, which effectively improves the detection rate and reduces the missed detection rate.



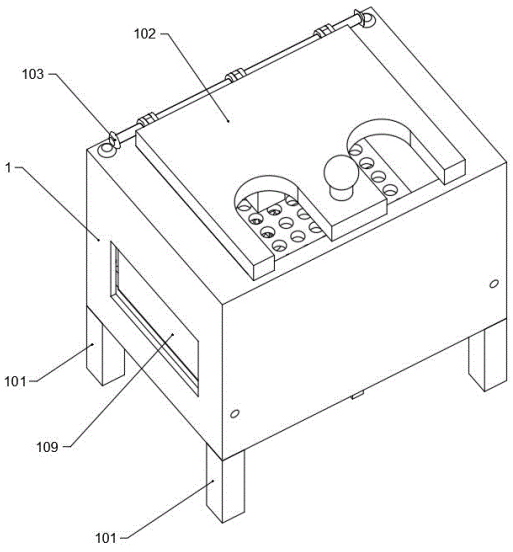
21: 2024/08473. 22: 2024/11/08. 43: 2025/05/14
51: A61H
71: Minhang Hospital, Fudan University

72: Fei Pan, Mengting Hu, Dongqing Zhang, Jiaqi Gan

54: A FUMIGATION DEVICE FOR GOUTY ARTHRITIS REHABILITATION

00: -

The present invention provides a fumigation device for gouty arthritis rehabilitation, relating to the field of medical equipment, comprising: a fumigation chamber body; the bottom surface of the fumigation chamber body is fixedly connected with four auxiliary support columns arranged in a rectangular array; the top surface of the fumigation chamber body is hinge-connected with a sealed switch cover; a fumigation support pedal is fixedly connected inside the fumigation chamber body; the lower part of the fumigation chamber body symmetrically has two medicine cartridge placement slots; each of the two medicine cartridge placement slots is equipped with a medicine storage cartridge; the positions of the two medicine storage cartridges are aligned; each medicine storage cartridge is threadedly connected with a sealed medicine cartridge cover. When the water level approaches the standard water line, it causes the control float to rise, and through a series of transmissions, makes the sealed sliding plate slide down to seal the outlet of the water inlet pipe, addressing the issue of operators needing to constantly monitor whether the water level is close to the preset standard water line, which increases the complexity of the treatment process.



21: 2024/08475. 22: 2024/11/08. 43: 2025/05/14

51: B07C

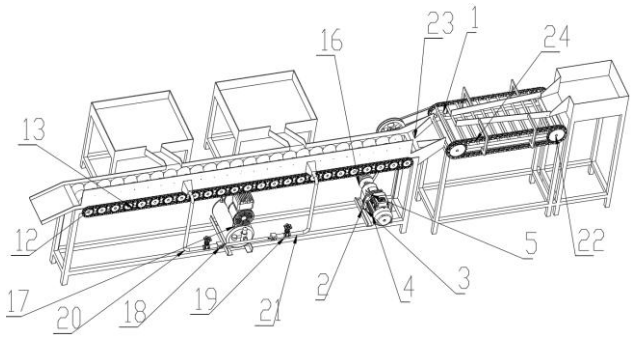
71: Anhui Science And Technology University, Chuzhou Hetian Agricultural Machinery Co., Ltd.

72: ZHANG, Chunyan, AI, Zhiyun, QIAO, Yinhu, ZHAO, Wei, LIAO, Junling, KANG, Hao, WU, Xiangji

54: AIR-BLOWN TYPE FRUIT SORTING MACHINE

00: -

The present invention relates to the technical field of a food sorting device and provides an air-blown type fruit sorting machine, the machine includes a motor mounted at a fixing seat, the fixing seat is mounted at a frame, a driving pulley is mounted at the motor, and a driven pulley and small sprockets are mounted at double cone rollers. A chain is connected to a sprocket, an air pump is mounted at the frame, a compressor is mounted at the air pump, an air pipe is mounted between the frame and the air pump, valves are mounted between the air pipe and the air pump, the air pipe is mounted at air blowing outlets, the air blowing outlets are mounted on the frame, and the driven pulley is connected to the small sprockets through a rotating shaft. The driving pulley and the driven pulley are connected through a belt.



21: 2024/08476. 22: 2024/11/08. 43: 2025/05/14

51: A63B

71: Xinyu University

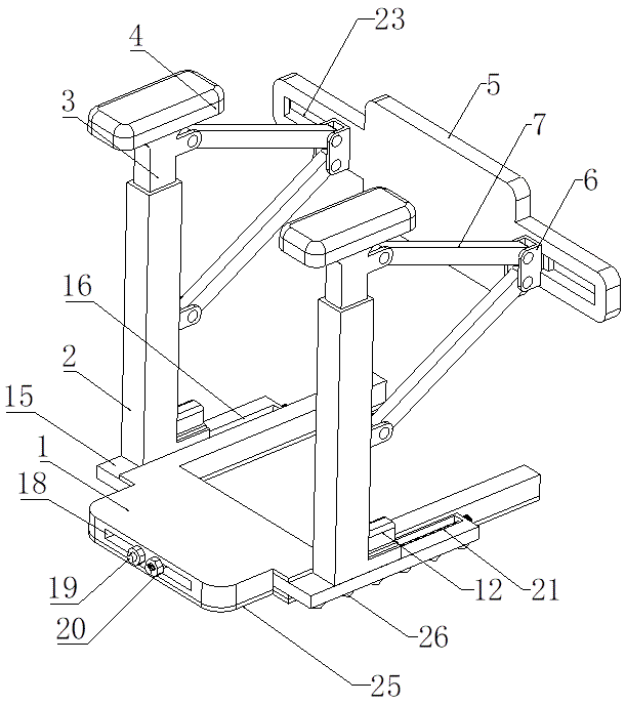
72: Chen Ping, Liu Hao, Xie Fuzhen, Luo Mengqiong, Zhu Shuangxia, Zhou Xiaoping

54: MECHANICAL DEVICE FOR ASSISTING ELDERLY TO SQUAT AND USE METHOD THEREFOR

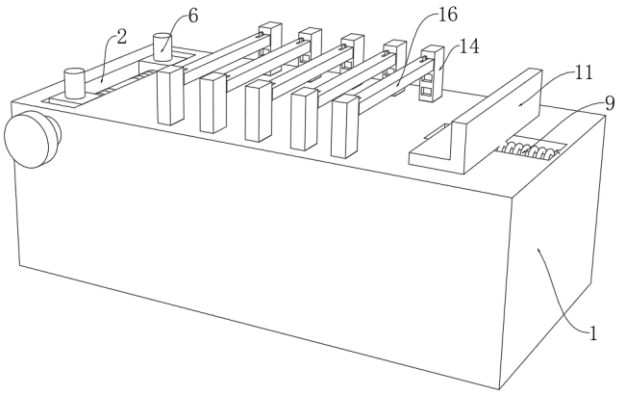
00: -

Disclosed is a mechanical device for assisting elderly to squat and use method therefor, relating to the technical field of squatting auxiliary device. The present application includes an U-shaped bottom plate, lifting and lowering sleeve bars are symmetrically mounted at ends of the U-shaped bottom plate, lifting and lowering support bars are slidably connected to interiors of the lifting and

lowering sleeve bars, supporting handrails are fixedly connected to tops of the lifting and lowering support bars; and a back plate is mounted on one side of the U-shaped bottom plate, connecting blocks are symmetrically mounted on ends of the back plate, draw bars are symmetrically hinged with ends of the connecting blocks, and ends of the draw bars are hinged with the lifting and lowering sleeve bars and the lifting and lowering support bars. When lifting and lowering components in the present application are started to drive the supporting handrails to move upward along length directions of the lifting and lowering sleeve bars, and users are pulled to squat by the lifting and lowering components, the back plate is driven to move closer to the users along the length directions of the lifting and lowering sleeve bars, and backs of the users is resisted and supported. Therefore, it is easy to assist the users to squat on toilets.

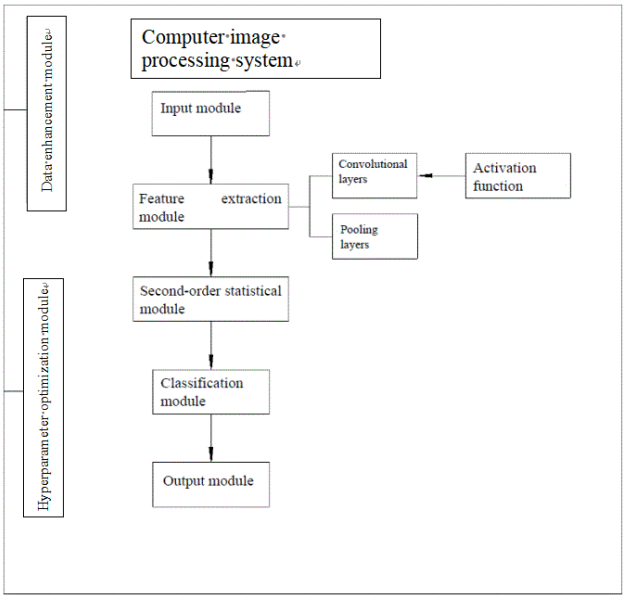


21: 2024/08477. 22: 2024/11/08. 43: 2025/05/14
51: A63B
71: Jingdezhen University
72: Cao Xidong
54: PHYSICAL EXERCISE DEVICE
00: -
The present invention provides a physical exercise device, including an exercise table. A first chute is disposed at a top of a left side of the exercise table, a bidirectional threaded rod penetrates through and is rotatably connected to the first chute, outer rings on two sides of the bidirectional threaded rod are threadedly connected to a moving block, a second chute is disposed at a top of a right side of the exercise table, a guide rod is fixedly connected to an interior of the second chute, and an outer ring of the guide rod penetrates through and is slidably connected to a moving seat. In the present invention, through the cooperation of mounting grooves, cylinders, upright rods, cross bars, telescopic grooves and sliders, the height of the cross bar can be adjusted as required.

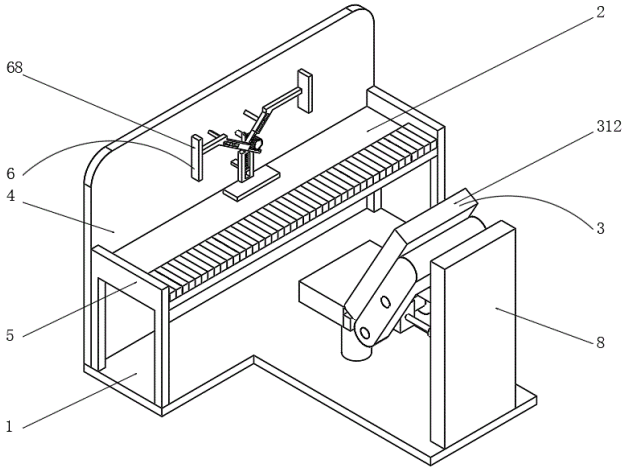


21: 2024/08478. 22: 2024/11/08. 43: 2025/05/13
51: G06T
71: Xinyu University
72: Zhu Weihua, Shen Ying, Wu Guangsheng, Wu Lei, Fu Siyong, Mo Xiaoling
54: COMPUTER IMAGE PROCESSING SYSTEM
00: -
The present application provides a computer image processing system, falling within the technical field of computer image processing. The present application includes an input module for receiving image data to be classified; a feature extraction module for using a deep convolutional neural network to process an input image data to extract depth features; a second-order statistical module for performing second-order statistical modeling on the depth features to obtain second-order statistics; a classification module for classifying the image based on the second-order statistics; and an output module for outputting a classification result. In the present application, through collaborative use of the feature extraction module, the second-order statistics module, and the classification module, automatic extraction of deep

features of images using deep convolutional neural networks is facilitated. Furthermore, the discriminative power of features is enhanced through second-order statistical modeling, which significantly improves generalization ability and computational efficiency of the system.

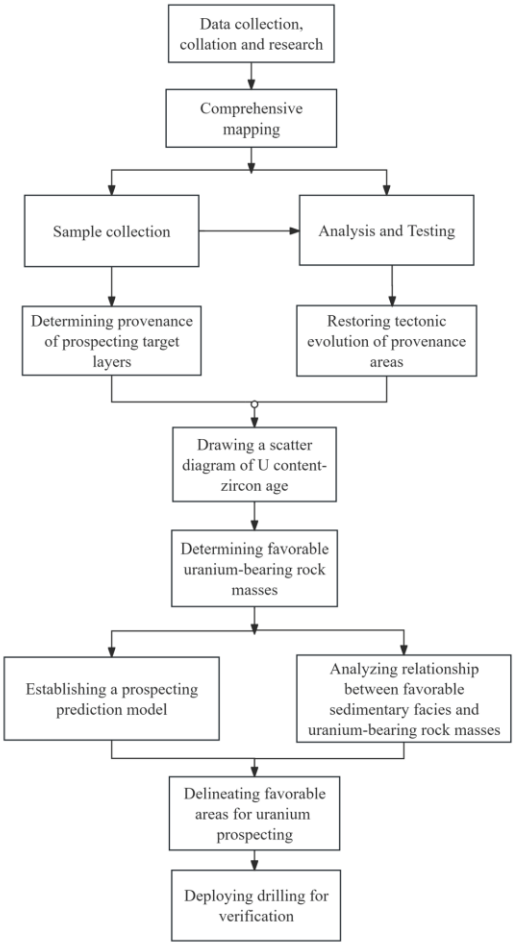


21: 2024/08479. 22: 2024/11/08. 43: 2025/05/13
51: G09B
71: Huainan Normal University
72: Ding Liang
54: AUXILIARY EQUIPMENT FOR TEACHING PIANO PLAYING SKILLS
00: -
Disclosed is an auxiliary equipment for teaching piano playing skills, relating to the technical field of auxiliary equipment for musical instrument. An angle adjustment seat mechanism includes a supporting column and a fixing plate fixedly connected to a top of a bottom plate, a stool is fixedly connected to a top of the supporting column, two fixing blocks are fixedly connected to a back surface of the stool, a rotating shaft is fixedly connected between opposite sides of the two fixing blocks, a limiting bar and an electric telescopic rod are respectively and fixedly connected to a back surface of the fixing plate, a first connecting shaft is rotatably connected to an inner wall of the limiting bar, and a transmission block is fixedly connected to an output end of the electric telescopic rod. By incorporating the angle adjustment seat mechanism, the present application allows students to adjust seat angles according to preferences, enhancing comfort and confidence of the students during performance. Appropriate reclining angle also provides better support for students' backs and legs, reducing fatigue from prolonged playing.



21: 2024/08480. 22: 2024/11/08. 43: 2025/05/13
51: G01N; G06Q
71: CNNC GEOLOGIC PARTY NO. 208
72: LIU, Bo, WANG, Guo, PENG, Yunbiao, WANG, Hui, ZHANG, Feng, LI, Xibin, HAO, Peng, LI, Peng, QIN, Yanwei
33: CN 31: 202410999312.1 32: 2024-07-24
54: METHOD FOR DETERMINING FAVORABLE AREAS OF SANDSTONE-TYPE URANIUM BASINS BY UTILIZING ZIRCON U-PB DATING AND IN-SITU HF ISOTOPE ANALYSIS
00: -
The present invention belongs to the technical field of geological exploration, which provides a method for determining favorable areas of sandstone-type uranium basins by utilizing zircon U-Pb dating and in-situ Hf isotope analysis. The method includes the following steps:(1) sampling prospecting target layers in basins, carrying out U-Pb dating of zircons in samples, determining Hf isotope contents of zircons with different ages, determining provenance of the prospecting target layers and restoring tectonic evolution of provenance areas; (2) drawing a scatter diagram of U content-zircon age according to results determined in step (1), and determining a genesis and a tectonic environment of rock masses with high U content in geological history; and (3) establishing elements of tectonic evolution and a prospecting prediction model in the basins, analyzing relationship between favorable

sedimentary facies and uranium-bearing rock masses in the basins, and determining favorable areas for uranium prospecting. The method provided by the present invention is accurate and efficient, and may directly identify the favorable areas of sandstone-type uranium basins, thereby facilitating the smooth development of subsequent work.

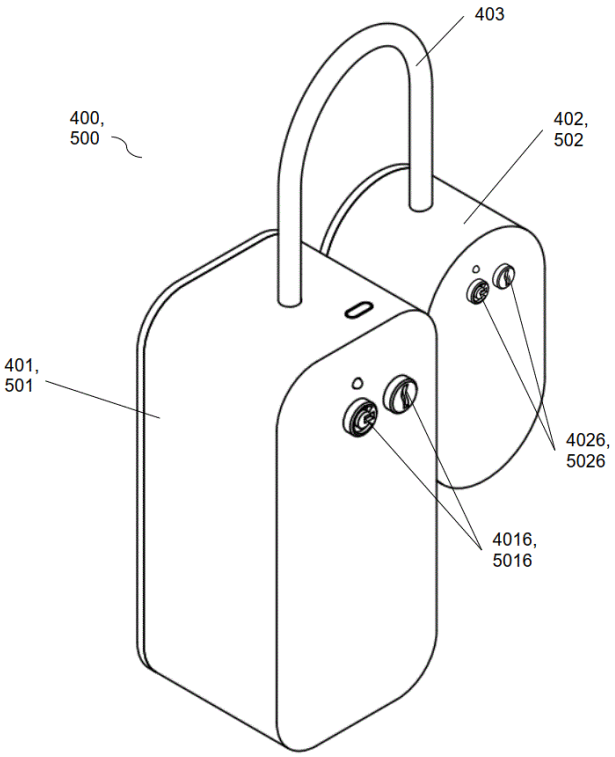


21: 2024/08516. 22: 2024/11/11. 43: 2025/05/14
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129109 32: 2024-09-30

54: DEVICE FOR ACTUATING A PENDULUM MECHANISM

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A device for actuating a pendulum mechanism is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation and operation, as well as increasing the accuracy of pendulum mechanism control.



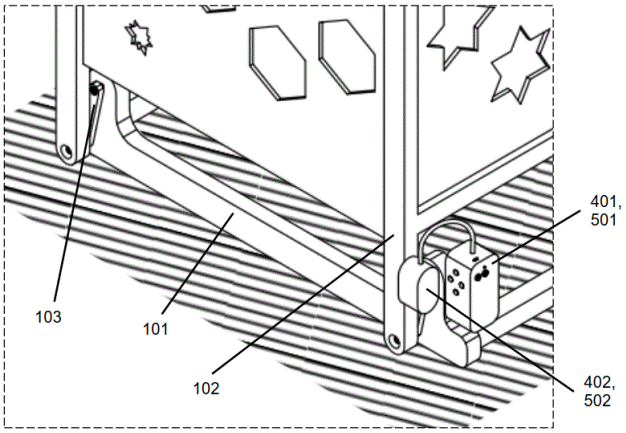
21: 2024/08517. 22: 2024/11/11. 43: 2025/05/14
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129112 32: 2024-09-30

54: A BED EQUIPPED WITH A PENDULUM MECHANISM

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A bed equipped with a pendulum mechanism is proposed. The technical result

achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation and operation, as well as increasing the accuracy of pendulum mechanism control.

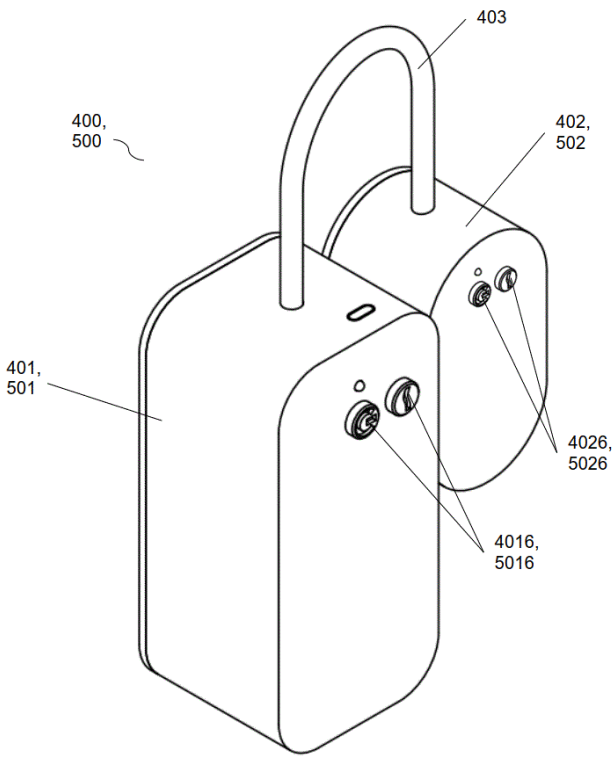


21: 2024/08518. 22: 2024/11/11. 43: 2025/05/14
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129113 32: 2024-09-30

54: A CHAIR EQUIPPED WITH A PENDULUM MECHANISM

00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A chair equipped with a pendulum mechanism is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation and operation, as well as increasing the accuracy of pendulum mechanism control.



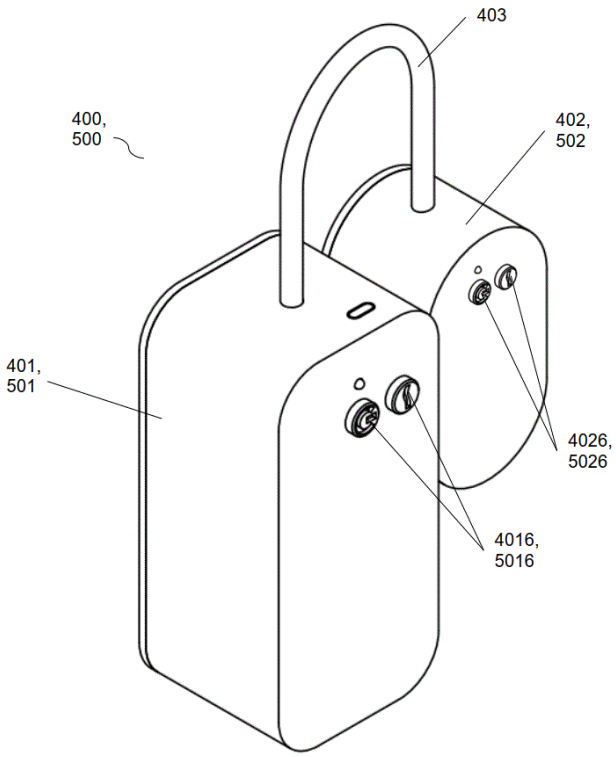
21: 2024/08519. 22: 2024/11/11. 43: 2025/05/14
51: A47C; A47D; G06F
71: LACUNA LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129119 32: 2024-09-30

54: A SET COMPRISING A DEVICE FOR ACTUATING THE PENDULUM MECHANISM AND AN EXTERNAL CONTROL DEVICE

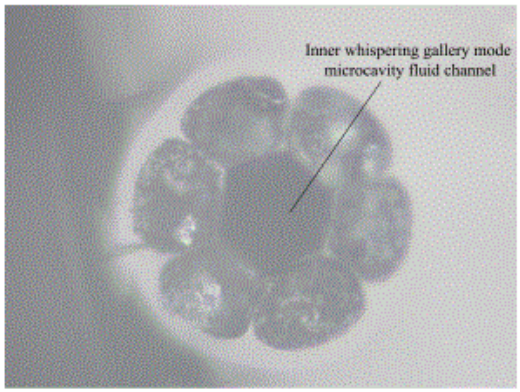
00: -

The proposed invention relates to the furniture industry and can be used to control rocking devices, such as beds and chairs with pendulum mechanisms. A set comprising a device for actuating a pendulum mechanism and an external control device is proposed. The technical result achieved when implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogs and thus ensuring universality, that is, the possibility of installation on both transverse pendulum mechanisms and longitudinal pendulum mechanisms, as well as the possibility of simple operation with both transverse pendulum

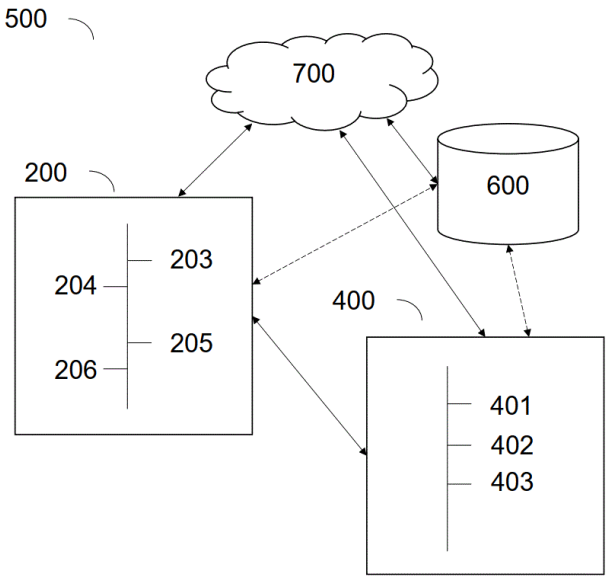
mechanisms and longitudinal pendulum mechanisms, as well as ensuring ease of installation and operation, as well as increasing the accuracy of pendulum mechanism control.



21: 2024/08520. 22: 2024/11/11. 43: 2025/05/14
51: G01M
71: Tangshan University
72: SHI, Huimin, WANG, Lixia, WANG, Chao, HOU, Xihuan, WU, Junjun, WEI, Mingzhe, DONG, Yanan
54: METHOD FOR FABRICATING INNER WHISPERING GALLERY MODE MICROCAVITY FLUID CHANNEL OF HOLLOW-CORE MICROSTRUCTURED OPTICAL FIBER
00: -
The present invention relates to a method for fabricating an inner whispering gallery mode microcavity fluid channel of a hollow-core microstructured optical fiber. The method includes: plugging an whispering gallery mode microcavity hole at an end of the hollow-core microstructured optical fiber by melting a polystyrene microsphere at a high temperature; immersing the polystyrene-plugged end into molten paraffin, and taking out after a period of time; cutting a short section of optical fiber at the end using a sapphire scalpel to form the end port of the whispering gallery mode microcavity channel; and pushing the syringe and simultaneously immersing the other end of the optical fiber in molten paraffin for a period of time to form the other end port of the whispering gallery mode microcavity channel. The present invention can ensure the smoothness and reliability of the inner whispering gallery mode microcavity fluid channel of hollow-core microstructured optical fiber.



21: 2024/08523. 22: 2024/11/11. 43: 2025/05/14
51: F21L; G06F; G09G; H04R; H04W
71: SMARTPOINT LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna, KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129099 32: 2024-09-30
54: ELECTRONIC DEVICE PLACED ON A VERTICAL SURFACE AND CONTROLLED BY MEANS OF A BRACKET
00: -
The proposed invention relates to the field of computer engineering and can be used to control electronic devices. An electronic device placed on a vertical surface and controlled by means of a bracket is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the device placed on it, while ensuring the usual reliability of placing the device on a vertical surface. Another technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is also ensuring precise positioning of the device in space and ensuring a rapid change of its operating mode and/or settings.

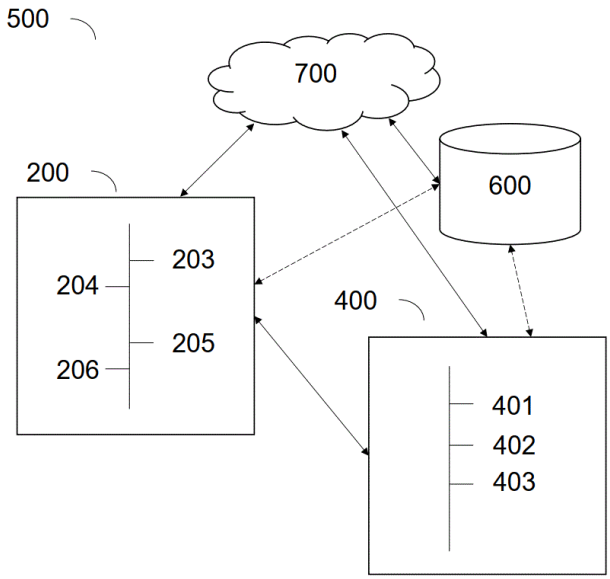


21: 2024/08524. 22: 2024/11/11. 43: 2025/05/14
51: F21L; G06F; G09G; H04R; H04W
71: SMARTPOINT LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129100 32: 2024-09-30

54: ACOUSTIC DEVICE PLACED ON A VERTICAL SURFACE AND CONTROLLED BY MEANS OF A BRACKET

00: -

The proposed invention relates to the field of computer engineering and can be used to control electronic devices. An acoustic device placed on a vertical surface and controlled by means of a bracket is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the device placed on it, while ensuring the usual reliability of placing the device on a vertical surface. Another technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is also ensuring precise positioning of the device in space and ensuring a rapid change of its operating mode and/or settings.

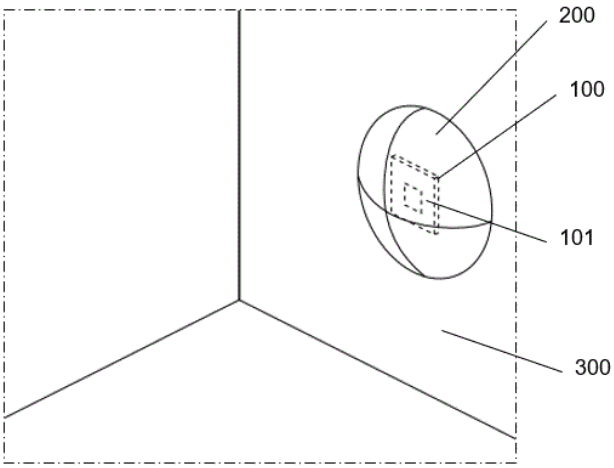


21: 2024/08525. 22: 2024/11/11. 43: 2025/05/14
51: F21L; G06F; G09G; H04R; H04W
71: SMARTPOINT LIMITED LIABILITY COMPANY
72: MOSALOVA Tatiana Nikolaevna,
KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024129108 32: 2024-09-30

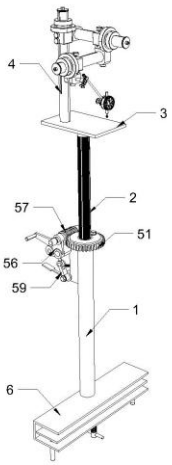
54: METHOD FOR CONTROL OF AN IMAGE OUTPUT DEVICE PLACED ON A VERTICAL SURFACE

00: -

The proposed invention relates to the field of computer engineering and can be used to control electronic devices. A method for control of an image output device placed on a vertical surface is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the device placed on it, while ensuring the usual reliability of placing the device on a vertical surface. Another technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is also ensuring precise positioning of the device in space and ensuring a rapid change of its operating mode and/or settings.

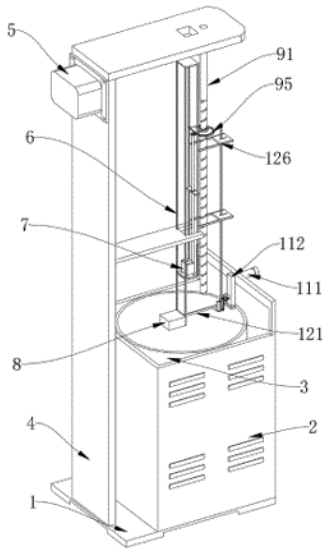


21: 2024/08529. 22: 2024/11/11. 43: 2025/05/14
51: B23B
71: Huizhou Youyida Technology Co., Ltd.
72: Xianhui XIE, Meng LIANG, Guochao LI, Xueming LIANG
33: CN 31: 2024107325915 32: 2024-06-07
54: PRECISION MEASURING DEVICE FOR LATHE MACHINING
00: -
A precision measuring device for lathe machining, including a supporting rod, an adjusting rod, a supporting table, a measuring device body and an adjusting structure. The adjusting rod is rotatably connected to a top of the supporting rod, the supporting table is fixedly connected on a top of the adjusting rod, the measuring device body is arranged on the supporting table, the adjusting structure is arranged between the supporting rod and the adjusting rod. The adjusting structure includes a gear, a thread and a linkage assembly. The gear is rotatably connected to the top of the supporting rod. The linkage assembly is arranged on the supporting rod and is partly connected with the gear.

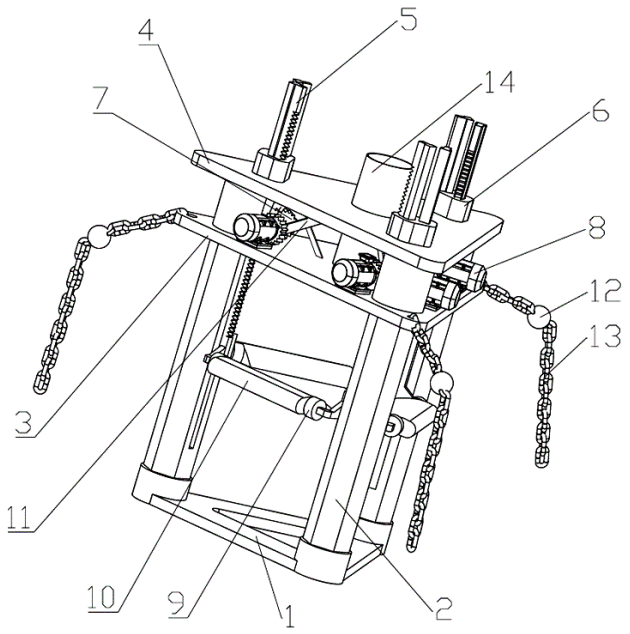


21: 2024/08531. 22: 2024/11/11. 43: 2025/05/14
51: G21F
71: NEPTU International Co., Ltd., Nusim S.A.U.
72: WANG Wei, Francisco Bernal Martínez, Nicasio García Muelas, José Manuel García Ortega, WANG Xingyu, TIAN Lin, Gulifeiruzi Aikeremu
33: CN 31: 2023117586071 32: 2023-12-20
54: IN-BARREL MICROWAVE HEATING AND DRYING PROCESS FOR RADIOACTIVE LIQUID WASTE
00: -
The present disclosure provides an in-barrel microwave heating and drying process for a radioactive liquid waste, belonging to the technical field of radioactive liquid waste treatment. The heating and drying process includes a mounting plate, wherein the mounting plate has an upper end surface mounted with a limit frame, the limit frame is internally provided with a barrel, the mounting plate has a left side fixed with a mounting bracket, the mounting bracket has a left outer wall fixed with a controller, the mounting bracket has a protruded plate in a middle section thereof slidably sleeving a sliding frame, the sliding frame has a microwave head mounted on an upper end of a lower bottom plate thereof, and the sliding frame has a floating block fixed on a bottom left frame rod thereof. The heating and drying process further includes a sliding assembly arranged between the sliding frame and the mounting bracket and configured to realize transmission of moving force in direction, and a cleaning assembly. With the sliding assembly and the cleaning assembly, the microwave head can be cleaned by means of the change of liquid level. Meanwhile, a water outlet assembly and a trigger

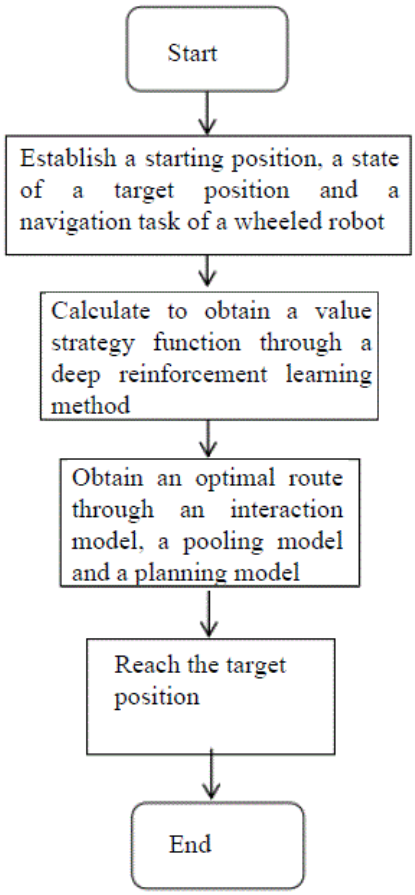
assembly are arranged to autonomously regulate a water inlet switch by means of the change of liquid level.



21: 2024/08534. 22: 2024/11/11. 43: 2025/05/15
51: B63B
71: Anhui Science And Technology University
72: QIAO, Yinhu, SONG, Shuqiang, ZHANG, Chunyan, WANG, Jue, ZHAO, Wei
54: FLOATING WIND POWER PLATFORM FOR SUPPRESSING SWING AND OCEAN WAVE POWER GENERATION BY FIN STABILIZERS
00: -
The present invention provides a floating wind power platform for suppressing swing and ocean wave power generation by fin stabilizers, which includes a floating platform upright column, a transverse brace, a fin stabilizer, a heave plate, an equipment platform and a central floating platform upright column. The number of three floating platform upright columns is arranged on the heave plate in a triangle, and a top of the floating platform upright column is connected to the equipment platform by the transverse brace, and the floating platform upright column is arranged with a T-shaped guide rail slot. The patent of the present invention can effectively restrain swing response of semi-submersible floating platform, enhancing stability of the semi-submersible floating platform. Ocean waves is used to generate electricity through the fin stabilizer, thereby improving economy and power generation capacity of the whole system.



21: 2024/08535. 22: 2024/11/11. 43: 2025/05/15
51: G05D
71: TANGSHAN UNIVERSITY
72: ZHOU, Haomiao
54: NAVIGATION CONTROL METHOD FOR WHEELED MOBILE ROBOT IN CROWD
00: -
The present invention provides a navigation control method for a wheeled mobile robot in a crowd, comprising: establishing a starting position, a target position and a navigation task of the wheeled mobile robot, calculating to obtain a value strategy function through a deep reinforcement learning method, and obtaining an optimal route according to the value strategy function. The design mainly solves the problem of modeling a crowded environment, considers a mutual influence between a human and a robot and between the human and the human, and obtains the optimal route through a cross model, a pooling model and a planning model, to improve navigation efficiency.



21: 2024/08536. 22: 2024/11/11. 43: 2025/05/15
51: A01H
71: Research Institute of Non-timber Forestry, Chinese Academy of Forestry
72: FENG, Yanzhi, QIAO, Jie, WANG, Baoping, SI, Yuanyuan, ZHAO, Yang, ZHANG, Yue, DUAN, Wei, YANG, Chaowei

54: METHOD FOR TISSUE CULTURE AND RAPID PROPAGATION OF SUPERIOR TREE OF PAULOWNIA CATALPIFOLIA

00: -

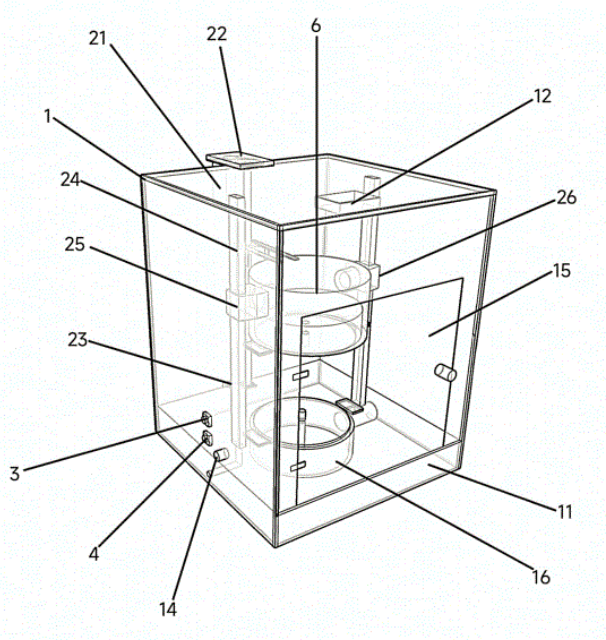
The present invention provides a method for tissue culture and rapid propagation of a superior tree of P. catalpifolia, which belongs to the technical field of plant tissue culture. According to the present invention, an annual branch of the superior tree of P. catalpifolia is collected, a tender branch of a grafted seedling is obtained after grafting for tissue culture, and a tissue culture seedling grows a root, is subjected to seedling hardening-off and seedling strengthening culture, and then transplanted into a field. The method effectively solves the problems that a callus of the P. catalpifolia is difficult to differentiate, propagation materials are difficult to obtain, and a survival rate of the tissue culture seedling after seedling hardening-off is low.

21: 2024/08537. 22: 2024/11/11. 43: 2025/05/15
51: G01N
71: Chongqing University
72: DENG, Qinglin, PU, Houhan, REN, Xiyuan, LI, Zhongtan, SHANGGUAN, Jianming, YAO, Zhi, CUI, Yuhuai

54: TESTING DEVICE FOR RADIAL FRACTURE SEEPAGE AND NEW METHOD FOR FIXING NON-STANDARD ROCK SAMPLES

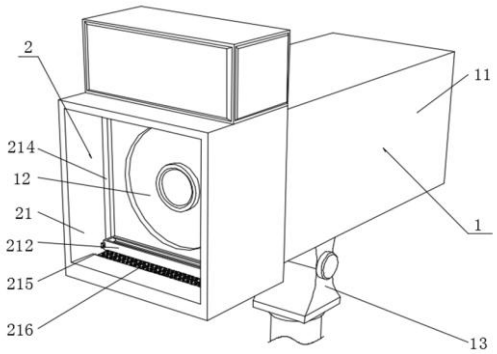
00: -

The present invention provides a device falling within the technical field of rock mechanics testing, and in particular to a testing device for radial fracture seepage with adjustable spacing. The device is designed to simulate and study fluid flow characteristics in fractured systems, allowing the user to achieve the fixation of non-standard rock samples as well as adjust the spacing of rock fracture samples. The device includes a testing frame, an automatic spacing adjusting assembly, a colloid injecting assembly, a vacuum extracting assembly and a rock sample bearing assembly. The innovation of the device is that the device is capable of realizing the adjustment of the fracture spacing of rock samples and the automation of adding colloid fixation. Meanwhile, a new method for fixing non-standard rock samples is invented to realize the fixation of the non-standard rock samples.



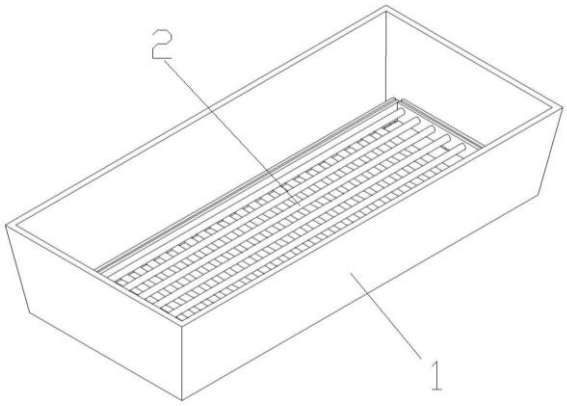
21: 2024/08538. 22: 2024/11/11. 43: 2025/05/16
51: A23C
71: Linxia Prefecture Liao Yuan Dairy Co., Ltd., Liao Yuan Dairy Co., Ltd., Linxia Liaoyuan Dairy Industry Research Institute Co., Ltd.
72: WANG, Xiangzhu, QIN, Hong, MA, Keqing, LIU, Ying, MA, Juanjuan, HU, Yulan
54: BOS GRUNNIENS FORMULA MILK POWDER BENEFICIAL TO MAINTAINING BLOOD LIPID AND BONE HEALTH LEVELS
00: -
The present invention provides a Bos grunniens (yak) formula milk powder beneficial to maintaining blood lipid and bone health levels, and belongs to the technical field of dairy products. The yak formula milk powder takes yak milk or yak milk powder as dairy raw materials, and a variety of components including hydrolyzed whey protein powder, desalted whey powder, inulin, hydrolyzed egg yolk powder, phytosterol ester and flaxseed oil are scientifically and reasonably mixed. Notably, the yak milk is rich in natural conjugated linoleic acid, immunoglobulin and lactoferrin, which can boost human immunity. Results of examples of the present invention show that consumption of the yak formula milk powder can effectively improve blood lipid and lipoprotein levels.

21: 2024/08539. 22: 2024/11/11. 43: 2025/05/16
51: G06T
71: Huainan Normal University
72: Cheng Lei, Zhao Jiaoyang, Fan Shaojun
33: CN 31: 202411500172.5 32: 2024-10-25
54: INFRARED CAMERA DEVICE FOR MONITORING WETLAND BIRD BEHAVIOR
00: -
The present invention provides an infrared camera device for monitoring wetland bird behavior, including a camera device body. The camera device body includes a body and a camera lens arranged at an end of the body, and a cleaning component is arranged on a side of the body close to the camera lens at an end; the cleaning component includes a protective outer shell fixedly mounted on an outer periphery of the body, a moisture-proof outer shell fixedly mounted at a top of the protective outer shell and a through-groove disposed at a bottom in the moisture-proof outer shell and the top of the protective outer shell; and a micro-motor is fixedly mounted in the moisture-proof outer shell, and an end of the micro-motor is rotatably connected to a first connecting rod, an end of the first connecting rod is rotatably connected to a second connecting rod, and an mounting plate is fixedly mounted in the protective outer shell and on a side of the camera lens. The present invention may conveniently and timely clean the water mist or water droplets on a surface of the camera lens through the cleaning component, reducing the occurrence of unclear images of the camera device body in the monitoring of bird behavior.



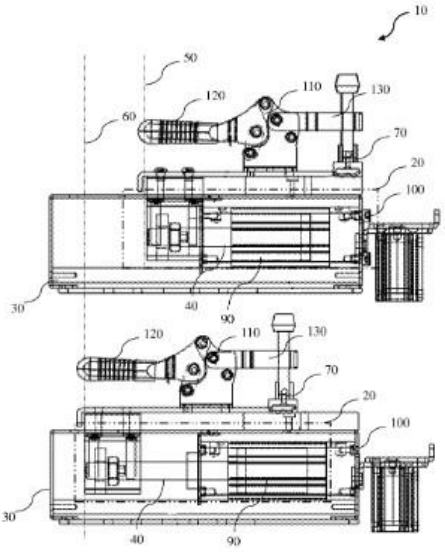
21: 2024/08541. 22: 2024/11/11. 43: 2025/05/16
51: A01G
71: SHANDONG INSTITUTE OF POMOLOGY
72: XU, Li, WEI, Hairong, ZHU, Min, TAN, Yue, ZENG, Peiyuan, WANG, Dan
33: CN 31: 202420295133.5 32: 2024-02-18
54: A HYDROPONIC DEVICE THAT CAN BE RAISED AND LOWERED AND SUPPORTS NON-DESTRUCTIVE FETCHING OF SEEDLINGS

00: -
The present utility model relates to the field of hydroponic devices, and provides a hydroponic device that can be raised and lowered and supports non-destructive fetching of seedlings, comprising a culture container and a tissue culture rack for fixing plants, the tissue culture rack is placed flatly on the bottom of the culture container; the tissue culture rack comprises a quadrilateral frame and a plurality of fixing rods supported by the frame at both ends, and the fixing rods in two directions cross to form a grid-like tissue culture rack; a folding plate that can be folded downward for support is arranged on the outer side of the frame. The beneficial effect of the present utility model is that the periphery of the rack system is designed to be foldable with holes, and the folding plate is kept in a folded state when the tissue culture seedlings are placed at the beginning, so that the base of the tissue culture seedlings can fully contact the liquid culture medium, and the folding plate can be opened later as the root system grows, so that the root system is partially exposed to the liquid surface, which not only provides a larger growth space for the root system, but also helps the root system to breathe. It also makes it possible to transfer the plants easily without damaging their root system, thereby improving the transplant survival rate of the tissue culture seedlings.



21: 2024/08546. 22: 2024/11/11. 43: 2025/05/14
51: B41F
71: TERE, SANDESH VINAYAK
72: TERE, SANDESH VINAYAK
33: IN 31: 202221021923 32: 2022-04-12
54: AN APPARATUS FOR STRETCHING A MESH FOR SCREEN PRINTING

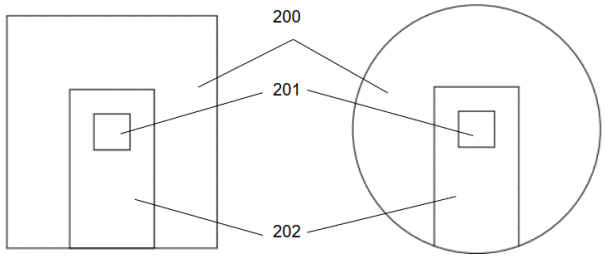
00: -
An apparatus (10) for stretching a mesh for screen printing is provided. The apparatus includes a plurality of linear actuators (20) mounted on a corresponding base (30). The plurality of linear actuators includes a corresponding piston arrangement (40) adapted to move from a retracted position (50) to an elongated position (60) upon actuated by a working fluid. The apparatus also includes one or more clamps (70) operatively coupled to the corresponding piston arrangement. The one or more clamps are adapted to stretch the mesh corresponding to movement of the corresponding piston arrangement, thereby stretching the mesh for screen printing. The mesh is adapted to be stretched over a frame (80) located on the base of the corresponding plurality of linear actuators.



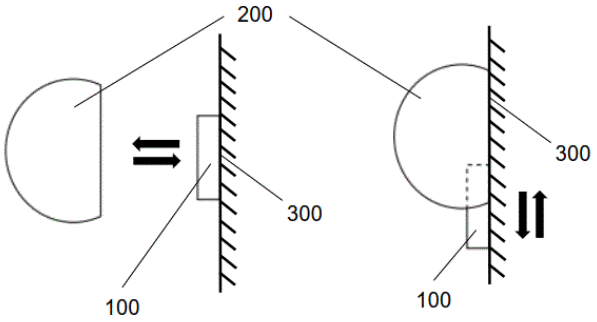
21: 2024/08549. 22: 2024/11/11. 43: 2025/05/16
51: A61K
71: Gansu Agricultural University
72: HUA Yongli, MA Qiang, HU Junjie, WEI Yanming, JI Peng
54: MEDICINE COMPOSITION FOR IMPROVING QUALITY OF BULL SEMEN AND PREPARATION METHOD THEREOF
00: -
The invention discloses a traditional Chinese medicine composition for improving quality of bull semen and a preparation method thereof. The traditional Chinese medicine composition includes following raw materials in parts by weight: 30-40 g of

epimedii folium, 30-40 g of cuscutae semen, 25-35 g of rubi fructus, 30-40 g of cynomorii herba, 25-35 g of notoginseng radix et rhizoma, 15-25 g of psoraleae fructus, 5-10 g of cervi cornu pantotrichum, 10-15 g of nelumbinis semen, 20-25 g of lycii fructus, 5-20 g of cinnamomi cortex, and 25-35 g of cnidii fructus and 25-35 g of eucommiae cortex. Compared with the control group, the semen volume of the self-made prescription group obviously increased ($p<0.01$), indicating that the self-made prescription can increase the semen secretion of bulls with kidney-yang deficiency syndrome; there is no significant difference in semen density between the self-made prescription group and the cuiqing powder group, indicating that the self-made prescription and cuiqing powder had no effect on semen density of bulls with kidney-yang deficiency syndrome. Compared with the control group, the semen vitality of the self-made prescription group is significantly enhanced ($p<0.01$), indicating that both the self-made prescription group and the cuiqing powder can significantly improve the sperm vitality of bulls with kidney-yang deficiency syndrome.

21: 2024/08566. 22: 2024/11/12. 43: 2025/05/16
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128068 32: 2024-09-23
54: SCRATCHING POST PLACED ON A VERTICAL SURFACE WITH A MAGNETIC ELEMENT FOR USE WITH A BRACKET
00: -
The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A scratching post placed on a vertical surface with a magnetic element for use with a bracket is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices.



21: 2024/08567. 22: 2024/11/12. 43: 2025/05/16
51: A47G
71: MOSALOVA Tatiana Nikolaevna
72: MOSALOVA Tatiana Nikolaevna
33: RU 31: 2024128070 32: 2024-09-23
54: A SET CONTAINING A VERTICALLY PLACED SCRATCHING POST AND A BRACKET FOR IT
00: -
The proposed invention relates to household items, more specifically to brackets for placing a product or device on a vertical surface, and can be used in everyday life. A set containing a vertically placed scratching post and a bracket for it is proposed. The technical result achieved by implementing the claimed invention, in addition to the invention realizing its purpose, is the elimination of the disadvantages of analogues and thus ensuring the rapid disconnection of the bracket and the product or device placed on it, while ensuring the usual reliability of placing the product or device on a vertical surface. Another technical result is the expansion of the arsenal of technical means - brackets for products and devices.



21: 2024/08569. 22: 2024/11/12. 43: 2025/05/16
51: E04H
71: COCHRANE STEEL PRODUCTS (PTY) LIMITED
72: BROWN, Peter
54: SECURITY FENCE PANEL
00: -

A fence panel made from a rectangular sheet of mesh material to which rows of deterrent spikes are fixed.

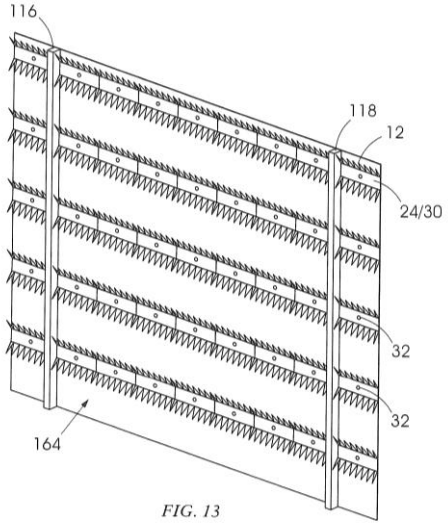
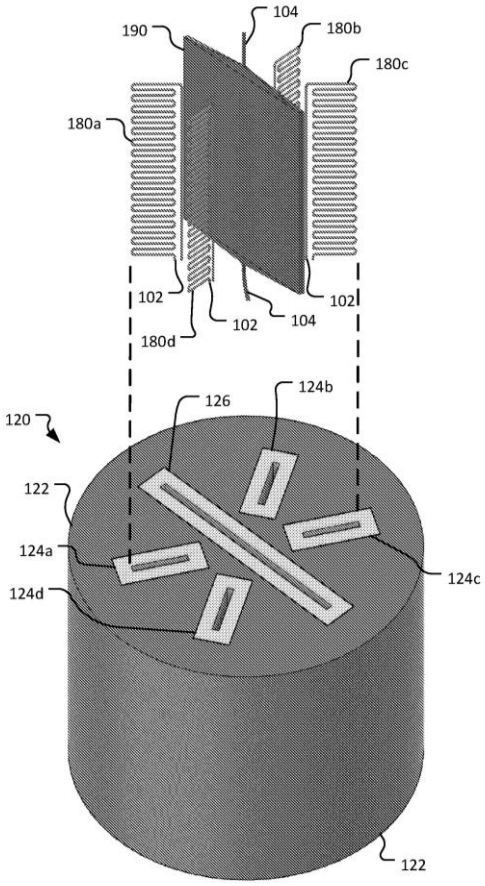


FIG. 13

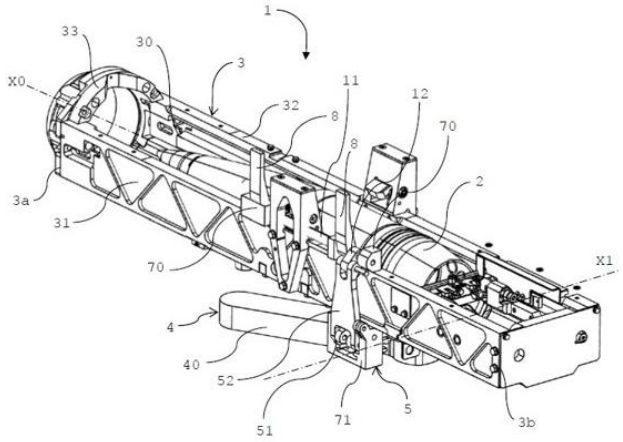
21: 2024/09380. 22: 2024/12/09. 43: 2025/05/15
51: C08L
71: ECOPALS GMBH
72: Jonas VARGA
54: ADDITIVE FOR ASPHALT
00: -
The invention discloses an additive for asphalt comprising plastics, which comprises polyethylene and polypropylene as polyolefins and a compatibilizer.

21: 2024/09679. 22: 2024/12/13. 43: 2025/04/07
51: F28D
71: HIGHER DIMENSION MATERIALS, INC.
72: KIM, Young-Hwa, OLMSTED, Richard Dale, LORENZ, Thomas P., Jr.
54: ENERGY STORAGE SYSTEMS
00: -
Heat energy storage systems described in this disclosure can be used for long-term storage of large amounts of thermal energy. In some cases, such systems receive electrical energy from renewable energy sources such as solar panels or wind turbines. Using novel techniques, the heat energy storage systems covert the electrical energy to thermal energy that is stored in hot materials such as molten silicon, molten salts, or any other material that can store large amounts of heat. The heat energy storage systems incorporate extremely good thermal insulation of the thermal energy storage tank that contains the hot materials. The systems are also configured to release thermal energy in an efficient manner to an electricity-producing steam turbine using novel heat exchanger systems and techniques that are described. The energy storage systems described herein have a higher overall real-world efficiency than energy storage systems currently available.

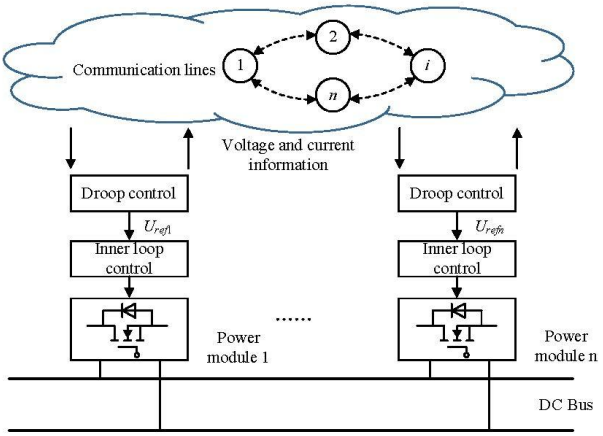


21: 2024/09913. 22: 2024/12/20. 43: 2025/05/15
51: F41A
71: KNDS FRANCE
72: Maxime COLLARD, Ludovic DUPONT
33: FR 31: FR2315191 32: 2024-01-02
54: ASSEMBLY FOR POSITIONING AND KEEPING IN POSITION A PROJECTILE IN A STRETCHER AND LOADING-AID DEVICE COMPRISING SUCH AN ASSEMBLY
00: -
The invention relates to an assembly (5) for positioning and keeping in position a projectile (2) in a stretcher (3) and to a loading-aid device (1) comprising such an assembly (5). The assembly (5)

comprises at least one arm (8) mounted to be pivotable between a raised position permitting the placement of the projectile (2) in the stretcher (3) and a lowered position wherein the at least one arm (8) cooperates with the projectile (2) received in the stretcher (3) so as to ensure the alignment thereof with the longitudinal axis (X0) of the stretcher (3). The at least one arm (8) is pivoted from the raised position to the lowered position by an actuation mechanism (9) intended to cooperate with drive means (4) of the stretcher (3) and able to transmit a movement of said drive means (4) to the at least one arm (8).

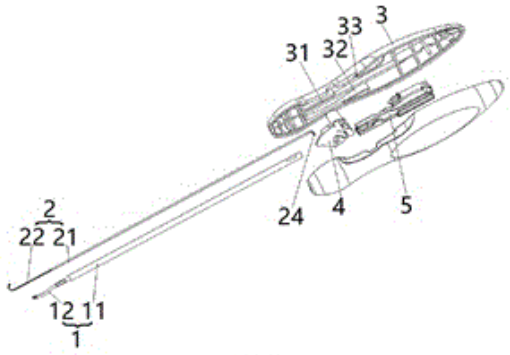


21: 2025/01058. 22: 2025/02/03. 43: 2025/04/07
51: H04N
71: HARBIN INSTITUTE OF TECHNOLOGY
72: WANG, Yanmin, NING, Jiangming, HE, Junbiao, XU, Qingyun
33: CN 31: 202411648875.2 32: 2024-11-19
54: QUADRATIC OPTIMAL CONTROL METHOD AND SYSTEM FOR PHOTOVOLTAIC POWER SUPPLY SYSTEM BASED ON FIXED TIME CONSISTENCY
00: -
The secondary optimal control method of the photovoltaic power supply system based on fixed time consistency of the present invention comprises the following steps: Step 1: Set the convergence speed of the update rules and state variable xi(t) that tracks synchronization problems and coordinates synchronization problems. Step 2: Design a voltage recovery controller based on a fixed-time consistency algorithm; Step 3: Design a current equalization controller based on a fixed-time consistency algorithm, and combine the voltage recovery controller and the current equalization controller with the optimized droop translation control to achieve secondary optimal control. The present invention can continuously monitor the output current and other data of the power module, and the problem of uneven power distribution that may occur can be found and solved in time. Once the current deviation, the system can respond quickly, with the help of optimized droop translation control, combined with the monitoring data to adjust the working status of each module, to ensure the balance of the output current of each power module, and reduce the equipment loss and system failure risk caused by current imbalance.



21: 2025/01352. 22: 2025/02/13. 43: 2025/03/12
51: A61B
71: THE FOURTH MEDICAL CENTER, CHINESE PLA GENERAL HOSPITAL
72: LI, CHUNBAO, LIU, CHANG, ZHANG, TONG, WANG, MINGXIN, WANG, LONG, WANG, YAOTING, WANG, ZEHAO, LIN, SHOUHAN, PENG, XINYANG, ZHAO, JUN, DUAN, HONGPING
33: CN 31: 2023111905571 32: 2023-09-15
54: SUTURING INSTRUMENT
00: -
The present disclosure discloses a suturing instrument which belongs to the technical field of medical devices. The suturing instrument includes a hollow tube and a capturing member. A control mechanism which drivably connects the capturing member is provided on a handle at a rear part of the hollow tube, and the control mechanism includes a control button, the control button having a first moving position, a second moving position and a third moving position. When the control button is in the first moving position, a front end of the capturing

member completely extends out of the hollow tube, and is in a completely extended state; when the control button is in the second moving position, the front end of the capturing member is located at the orifice of the hollow tube and is compressed by the inner wall of the hollow tube to form a closure, and is in a contracted and closed state; when the control button is in the third moving position, the front end of the capturing member is completely retracted into the hollow tube, and is in a completely retracted state. The suturing instrument of the present disclosure can realize the functions of threading through tissue and manipulating suturing, and is simple and convenient to operate.

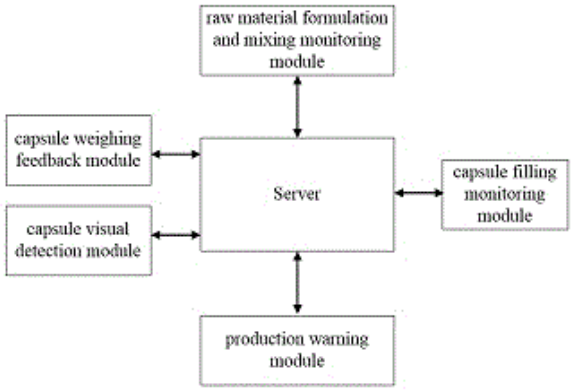


21: 2025/02078. 22: 2025/03/07. 43: 2025/03/19
51: G05B
71: BEIJING CHUNFENG PHARMACEUTICAL CO., LTD.
72: GAO, JING
33: CN 31: 202410380334.X 32: 2024-03-30

54: INTELLIGENT PROCESSING AND DETECTION SYSTEM FOR CAPSULE PREPARATION PRODUCTION

00: -

The present application generally relates to the technical field of capsule preparation production monitoring, and in particular, relates to an intelligent processing and detection system for capsule preparation production. The system includes a server, a raw material formulation and mixing monitoring module, a capsule filling monitoring module, a capsule weighing feedback module, a capsule visual detection module, and a production warning module. The present application utilizes the raw material formulation and mixing monitoring module to monitor and analyze the operation process of the mixing device in real time. After the mixing process, it evaluates the distribution of the mixed materials, effectively ensuring the uniform distribution of materials for capsule production. Additionally, a capsule filling monitoring module monitors the filling process in real time, contributing to the efficient and stable operation of the filling equipment. This achieves comprehensive monitoring of the entire capsule production process, effectively improving the quality of the produced capsule preparations. Furthermore, it enables a comprehensive evaluation of the production performance of the production line, ensuring the stable and efficient operation of the corresponding capsule production line, with a high level of intelligence.

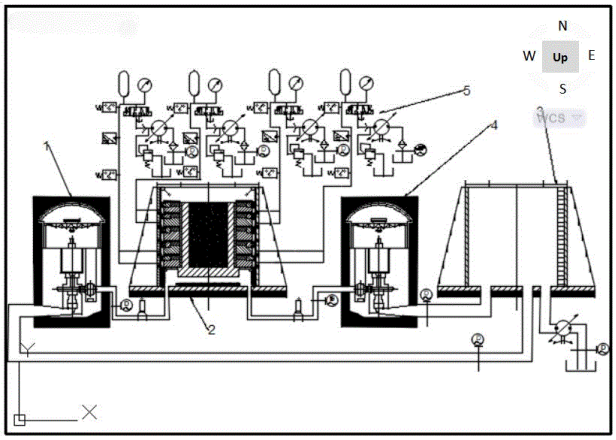


21: 2025/02799. 22: 2025/04/01. 43: 2025/04/07
51: F03B
71: CHEN Xingmao
72: CHEN Xingmao
33: CN 31: 202211075262.5 32: 2022-09-05

54: MULTI-SCALE GRAVITY ENERGY STORAGE FACILITY AND METHOD FOR WATER (LIQUID) TURBINE WATER (LIQUID) PUMPING AND DRAINAGE DRIVING ENERGY CONVERSION

00: -

A multi-scale gravity energy storage facility and method for water (liquid)turbine water (liquid) pumping and drainage driving energy conversion, the facility comprising a heavy-load reservoir (2), one or more water turbines (1, 4), a side pressure buffer structure of the heavy-load reservoir and a load-carrying facility, a heavy-load buffer apparatus at the bottom of the heavy-load reservoir, a side pressure buffer hydraulic system apparatus for the inner wall of the heavy-load reservoir and the load-carrying facility, and a common reservoir (3).

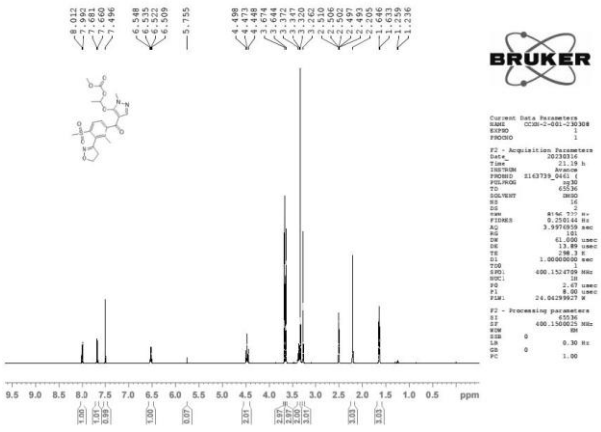


21: 2025/03192. 22: 2025/04/15. 43: 2025/05/19
51: A01N; C07D; A01P
71: SHANDONG DEHAO CHEMICAL CO., LTD.
72: LV, Zhitao, ZHAO, Shouming, GAO, Xingxiang, GAO, Zhangbin, WU, Wenjing, MAO, Wenxiu, WU, Wenpeng, ZHANG, Cai, WANG, Huijun
33: CN 31: 202311455118.9 32: 2023-11-03

54: TOPRAMEZONE DERIVATIVE AND USE THEREOF

00: -

A Topramezone derivative or an agrochemically acceptable salt thereof is provided. The Topramezone derivative is Compound I, with a name of 1-((4-(3-(4,5-dihydroisoxazol-3-yl)-2-methyl-4-(methylsulfonyl) benzoyl)-1-methyl-1H-pyrazol-5-yl)oxy) ethyl methyl carbonate, and a structural formula.



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 2025/04/25 -

A2025/00451 - DOWIE, Baden Class 21. FRISBEE

A2025/00450 - HANVON UGEE TECHNOLOGY CO., LTD. Class 14. ELECTRONIC NOTEPAD

A2025/00452 - SOCIETE BIC Class 28. COMBINED SHAVING CARTRIDGE AND LUBRICATING ELEMENTS

. - APPLIED ON 2025/04/29 -

A2025/00456 - Mongameli Nelson John Class 32. UNITED KINGDOM OF SOUTHERN AFRICA

F2025/00453 - MSND Holding Class 02. GLOVE

A2025/00455 - NORMAN RODGER CHESWORTH Class 23. MULTIPORT VALVE HOUSING

A2025/00454 - NORMAN RODGER CHESWORTH Class 23. VALVE ACTUATOR

. - APPLIED ON 2025/04/30 -

A2025/00466 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2025/00458 - INOVAXION INTERNATIONAL Class 28. HAIR DRYER

A2025/00460 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2025/00461 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2025/00462 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2025/00463 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2025/00464 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2025/00465 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2025/00457 - SANDVIK MINING AND CONSTRUCTION G.m.b.H. Class 29. FLEXIBLE RUBBER SAFETY CAGE

A2025/00459 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

. - APPLIED ON 2025/05/02 -

A2025/00467 - DÜRR SYSTEMS AG Class 15. HOUSING FOR A ROTARY ATOMIZER

A2025/00469 - Zonke Class 07. OVAL-CYCLINDRIC 2-SLICE TOASTER

A2025/00468 - DÜRR SYSTEMS AG Class 15. HOUSING FOR A ROTARY ATOMIZER

. - APPLIED ON 2025/05/05 -

F2025/00470 - Gideon Hitchcock Class 07. BRAAI GRID ATTACHMENT

A2025/00476 - ROLEX SA Class 10. ESCAPEMENT WHEEL

A2025/00475 - ROLEX SA Class 10. TIMEPIECE ESCAPEMENT

A2025/00477 - BLACKCUBE CO., LTD, JIANGMEN YISHAN METAL PRODUCTS CO., LTD. Class 07. COOKING POT

F2025/00494 - APL CARTONS (PTY) LTD Class 09. PALLET TOP CAP

A2025/00471 - Zonke Class 31. KANGAROO POCKET DESIGN REFRIGERATOR

A2025/00472 - Zonke Class 31. OVAL ELECTRIC-KETTLE

A2025/00473 - ROLEX SA Class 10. WATCH MOVEMENT

A2025/00474 - ROLEX SA Class 10. TIMEPIECE ESCAPEMENT

. - APPLIED ON 2025/05/06 -

A2025/00479 - HAMMAR, Lars Class 08. CLAMPS

F2025/00478 - SILVERBACK TECHNOLOGIE GMBH Class 12. BICYCLE FRAME

. - APPLIED ON 2025/05/07 -

A2025/00489 - Schaldor Plastics CC Class 7. DRINKING CUPS

A2025/00483 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2025/00487 - STAEDTLER SE Class 19. PENCILS

A2025/00488 - STAEDTLER SE Class 19. PENCILS

A2025/00490 - Lynne-Marie Behr Class 04. HAIRBRUSH

A2025/00491 - AGRIILABS Pty Ltd Class 10. YOMA NODE FIELD VERIFICATION DEVICE EXTERIOR APPEARANCE

A2025/00486 - STAEDTLER SE Class 19. PENCILS

A2025/00484 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2025/00485 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2025/00480 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2025/00481 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2025/00482 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

. - APPLIED ON 2025/05/08 -

A2025/00492 - ZUG LIMITED Class 2. SHOE SOLE

A2025/00493 - ZUG LIMITED Class 2. SHOE SOLE

. - APPLIED ON 2025/05/09 -

A2025/00496 - UNILEVER GLOBAL IP LIMITED Class 9. REFILLABLE COSMETIC STICK HOLDER

A2025/00495 - UNILEVER GLOBAL IP LIMITED Class 9. REFILLABLE COSMETIC STICK HOLDER

. - APPLIED ON 2025/05/12 -

A2025/00500 - TAMARA TSHINANNE RASIVHETSHELE Class 02. HE ORNAMENTAL DESIGN FOR A SHOE, AS SHOWN AND DESCRIBED IN ATTACHED PICTURE

F2025/00499 - Carri Newton, Gareth Newton Class 07. IMMERSION COFFEE BREWER

A2025/00498 - cosnova GmbH Class 9. NAIL POLISH CONTAINERS

F2025/00497 - Dorothy Dolly Mofomme Class 01. TOY CAP

. - APPLIED ON 2025/05/13 -

A2025/00505 - YETI Coolers, LLC Class 03. BACKPACKS

A2025/00507 - Beaute Prestige International Class 09. BOTTLES

A2025/00504 - BLANCPAIN SA Class 10. WATCH

A2025/00510 - OMNI UNITED (S) PTE. LTD. Class 12. TYRE

F2025/00508 - ROVIC INTERNATIONAL (PTY) LTD Class 15. SHARE

F2025/00509 - ROVIC INTERNATIONAL (PTY) LTD Class 15. SHARE

A2025/00501 - RPG COMMERCE HOLDINGS PTE LTD Class 07. NON-SLIP BOOT FOR DRINKWARE

A2025/00502 - BLANCPAIN SA Class 10. WATCH

A2025/00503 - BLANCPAIN SA Class 10. WATCH

A2025/00506 - YETI Coolers, LLC Class 3. BACKPACKS

A2025/00511 - HG Innovation Limited Class 27. ELECTRONIC CIGARETTES

. - APPLIED ON 2025/05/14 -

F2025/00512 - WUHAN KEDE MEDICAL INSTRUMENT CO., LTD. Class 24. REHABILITATION APPARATUS

. - APPLIED ON 2025/05/16 -

A2025/00535 - BEDOUKIAN RESEARCH INC. Class 28. PASSIVE DIFFUSER DEVICE

F2025/00538 - BEDOUKIAN RESEARCH INC. Class 28. PASSIVE DIFFUSER DEVICE

A2025/00513 - IRIZAR, S. COOP. Class 12. BUS

A2025/00518 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00519 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00520 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00521 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00525 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00526 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00530 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00531 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00532 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00514 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00515 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00516 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00517 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00522 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00523 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00524 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00527 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00528 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00529 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00533 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00534 - Versuni Holding B.V. Class 07. ESPRESSO COFFEE MACHINES

A2025/00537 - BEDOUKIAN RESEARCH INC. Class 28. PASSIVE DIFFUSER DEVICE

F2025/00536 - BEDOUKIAN RESEARCH INC. Class 28. PASSIVE DIFFUSER DEVICE

. - APPLIED ON 2025/05/19 -

A2025/00543 - Rachael Wild Class 11. HAND-PAINTED CERAMIC CANDLESTICK HOLDER

A2025/00541 - RECKITT BENCKISER HEALTH LIMITED Class 28. SOAP

A2025/00540 - RECKITT BENCKISER HEALTH LIMITED Class 28. SOAP

A2025/00544 - Londekile Ntsiba Class 24. TNL SILICONE CTG BELT

A2025/00539 - RECKITT BENCKISER HEALTH LIMITED Class 28. SOAP

A2025/00542 - Halter USA Inc. Class 30. COLLARS

. - APPLIED ON 2025/05/20 -

A2025/00547 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00568 - Eli Lilly and Company Class 9. BOXES

A2025/00551 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00554 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00555 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00552 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00549 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00556 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00564 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00567 - Eli Lilly and Company Class 09. BOXES

A2025/00557 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00560 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00561 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

F2025/00546 - SCHOELLER ALLIBERT GMBH Class 9. FOLDABLE SMALL CONTAINER

A2025/00548 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00553 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00566 - Eli Lilly and Company Class 9. BOXES

A2025/00559 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00545 - SCHOELLER ALLIBERT GMBH Class 9. FOLDABLE SMALL CONTAINER

A2025/00558 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00562 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00563 - Eli Lilly and Company Class 09. BOXES

A2025/00565 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00550 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

. - APPLIED ON 2025/05/21 -

F2025/00569 - GUROVICH, Juro Class 08. BRACKETS

. - APPLIED ON 2025/05/22 -

F2025/00571 - Lionalign (Pty) Ltd Class 21. GYMNASIUM EQUIPMENT

A2025/00570 - Lionalign (Pty) Ltd Class 21. GYMNASIUM EQUIPMENT

F2025/00572 - PETRUS STEYN TOERUSTING TRUST Class 25. MASONRY UNITS

. - APPLIED ON 2025/05/23 -

A2025/00581 - WOOLWORTHS PROPRIETARY LIMITED Class 9. CONTAINERS

A2025/00598 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00573 - DISPENSING TECHNOLOGIES B.V. Class 9. SPRAYING HEAD

A2025/00578 - WOOLWORTHS PROPRIETARY LIMITED Class 9. CONTAINERS

A2025/00580 - WOOLWORTHS PROPRIETARY LIMITED Class 9. CONTAINERS

A2025/00597 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00600 - PFS HOLDINGS (PTY) LIMITED, Class 07. SPONGE (HOUSEHOLD)

A2025/00574 - DISPENSING TECHNOLOGIES B.V. Class 9. SPRAYING HEAD

A2025/00584 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00582 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00583 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00585 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00586 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00588 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00587 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00591 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00576 - DISPENSING TECHNOLOGIES B.V. Class 9. SPRAYING HEAD

A2025/00577 - Société des Produits Nestlé S.A. Class 7. BEVERAGE DISPENSERS

A2025/00579 - WOOLWORTHS PROPRIETARY LIMITED Class 9. CONTAINERS

A2025/00599 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00590 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00593 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00594 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00595 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00589 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00592 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00596 - TCC 4X4 MATS (PTY) LTD. Class 6. MATS FOR VEHICLES

A2025/00575 - DISPENSING TECHNOLOGIES B.V. Class 9. SPRAYING HEAD

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

REPUBLIC OF SOUTH AFRICA

DESIGNS ACT, No. 195 OF 1993

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 26, 27/REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART 1 AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART 1

Design No. : F2024/00919

Applicant : JOSHUA MUTHUSAMY

Class : 10

Article to which the Design is to be Applied: STOCK COUNT INNOVATION

Date of Lodgment: 17/09/2024

Registrar of Designs

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgment. **(23)** release date (if applicable). **(43)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

N.B.: Date of registration **(43)** is either Date of lodgment **(22)** or Date of convention of application **(32)** whichever is the earlier.

Registrar of Designs

21: A2020/01025 22: 2020-07-24 23:
43: 2020-04-28
52: Class 28 24: Part A
71: Dorco Co., Ltd.
33: KR 31: 30-2020-0018890 32: 2020-04-28
54: RAZORS
57: This razor is easy to wash and includes a through-hole connected to a cartridge via a handle. This razor includes a razor blade cartridge including at least one razor blade, and a handle coupled to a rear surface of the razor blade cartridge. Since washing water is supplied through the through-hole which extends along a portion of the profile of the handle, washing of the razor blade cartridge can be facilitated, and by providing an open surface which is more perforated, downward discharge of washing water and shaving debris can be facilitated. In addition, it provides a beautiful appearance and also an enhanced handle grip to avoid slipping when shaving.

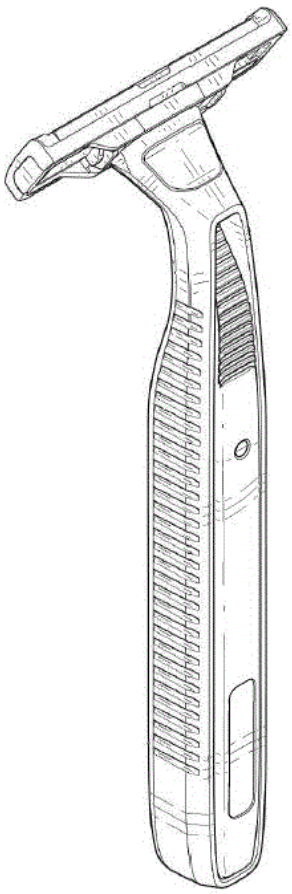


Figure 1

Three-dimensional view

21: A2024/00143 22: 2024-02-02 23:
43: 2023-08-03
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015030150-0001 32: 2023-08-03
54: TYRES AND TYRE TREADS
57: The design is for a tyre and tyre tread. The tyre tread has an inner and an outer circumferential shoulder row and a central section therebetween, the central section comprising three intermediate rows of even width which are separated from each other by circumferential grooves into an inner, a central, and an outer row. An alternating V-shaped pattern of radially spaced treads comprised of long sipes and grooves extend from the inner and outer rows into the central portion of the central row. Radially spaced serrated grooves are provided on each of the inner and outer rows in between the long sipes and grooves. Each of the outer and inner shoulder rows has radially spaced sipes which extend partly along a sidewall of the tyre and terminate on the shoulder proximate a circumferential edge thereof. Short sipes are disposed proximate the long sipes and extend partly into the inner and outer shoulders respectively.

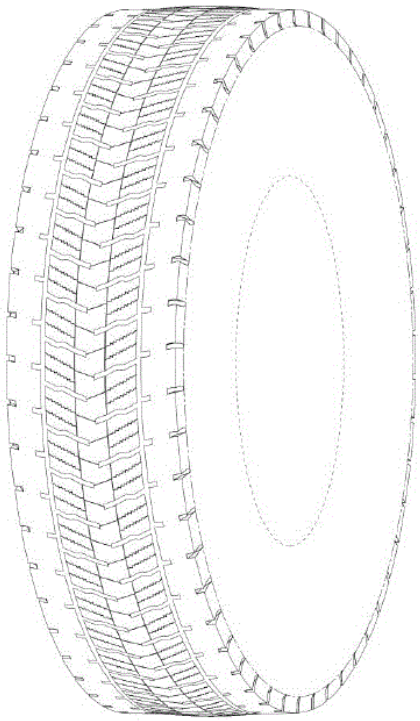


Figure 1

Three-dimensional view

21: A2024/00145 22: 2024-02-02 23:
43: 2023-08-03
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015030150-0002 32: 2023-08-03
54: TYRES AND TYRE TREADS
57: The design is for a tyre and tyre tread. The tyre tread a central section therebetween, the central section comprising three intermediate rows of even width which are separated from each other by circumferential grooves into an inner, a central, and an outer row. An alternating V-shaped pattern of radially spaced treads comprised of long sipes and grooves extend from the inner and outer rows into the central portion of the central row. Radially spaced serrated grooves are provided on each of the inner and outer rows in between the long sipes and grooves.

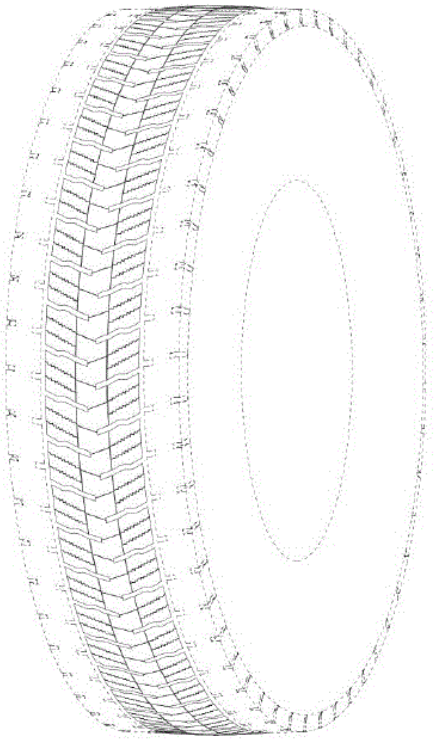
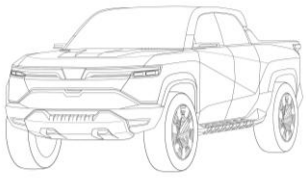


Figure 1

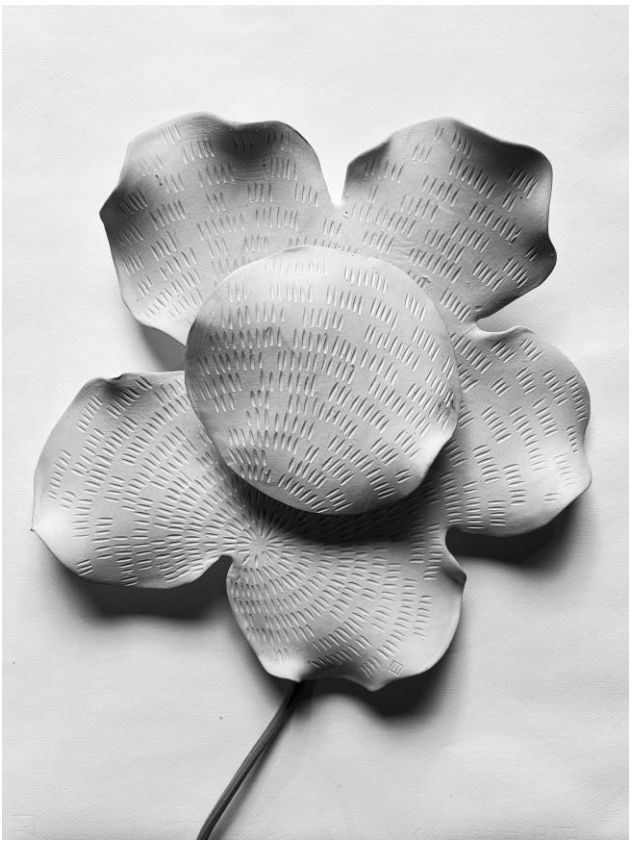
Three-dimensional view

21: A2024/00671 22: 2024-07-04 23:
43: 2025-02-10
52: Class 12 24: Part A
71: Vinfast Trading and Production Joint Stock Company
33: VN 31: 3-2024-00072 32: 2024-01-08
54: PICK-UP TRUCK
57: The design contains the followings appearance features: a four-wheeled pickup truck. Overall, the truck is composed of four parts: head, body, back and wheels, with the length: width: height ratio of 2.9 : 1.1 : 1

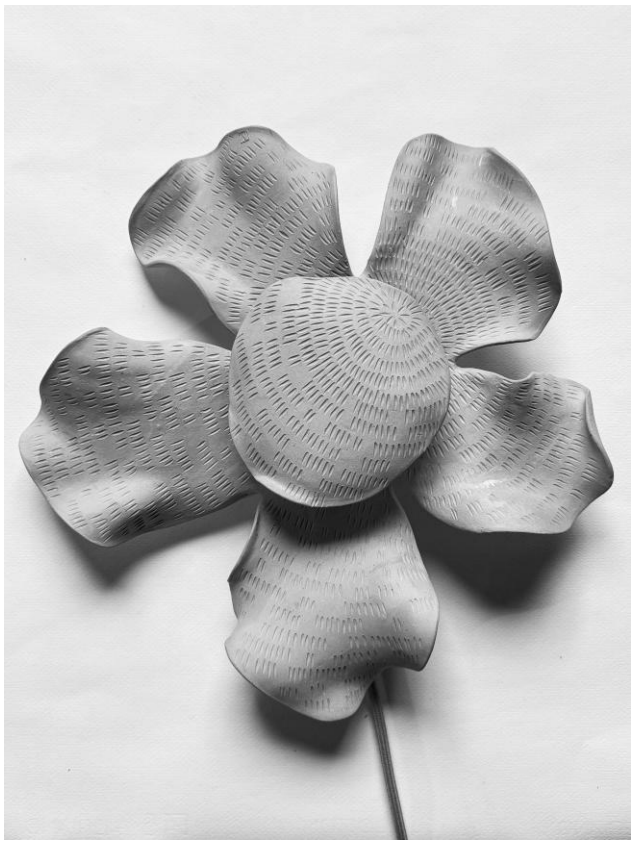


21: A2024/00687 22: 2024-07-16 23:
43: 2025-02-10
52: Class 26 24: Part A
71: NT DESIGN STUDIO (PROPRIETARY) LIMITED
54: LIGHT FIXTURE
57: The features of the design for which protection is claimed resides in shape and/or configuration and/or pattern and/or ornamentation of a light fixture, substantially as shown in the accompanying representations.

21: A2024/00688 22: 2024-07-16 23:
43: 2025-02-10
52: Class 26 24: Part A
71: NT DESIGN STUDIO (PROPRIETARY) LIMITED
54: LIGHT FIXTURE
57: The features of the design for which protection is claimed resides in shape and/or configuration and/or pattern and/or ornamentation of a light fixture, substantially as shown in the accompanying representations.



21: A2024/00689 22: 2024-07-16 23:
43: 2025-02-10
52: Class 26 24: Part A
71: NT DESIGN STUDIO (PROPRIETARY) LIMITED
54: LIGHT FIXTURE
57: The features of the design for which protection is claimed resides in shape and/or configuration and/or pattern and/or ornamentation of a light fixture, substantially as shown in the accompanying representations.



21: A2024/00723 22: 2024-07-22 23:
43: 2025-02-10
52: Class 12 24: Part A
71: Vinfast Trading and Production Joint Stock Company
33: VN 31: 3-2024-00214 32: 2024-01-24
54: AUTOMOBILE
57: The claimed design is a four-wheel automobile. Overall, the automobile is composed of four parts: head, body, back and wheels, with the length: width: height ratio 1,8: 1,1: 1

21: A2024/00774 22: 2024-08-01 23:
43: 2024-02-02
52: Class 24 24: Part A
71: Industrie Borla S.p.A.
33: EM(IT) 31: 015049636-0002 32: 2024-02-02
54: MEDICAL INSTRUMENTS

57: The design consists of spike with an integrated flow regulator for medical infusion lines, made of plastic material and including a spike or perforator and a flow regulator attached to the spike base and having a lateral manually operable graduated disk for controlling the flow regulator.

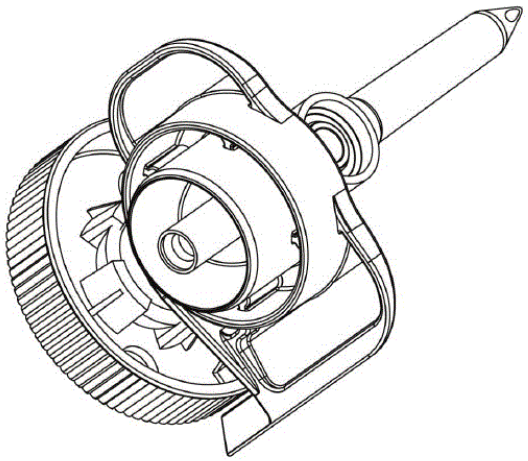


Figure 1

Three-dimensional view

21: A2024/00775 22: 2024-08-01 23:
43: 2024-02-02
52: Class 24 24: Part A
71: Industrie Borla S.p.A.
33: EM(IT) 31: 015049633-0001 32: 2024-02-02
54: DRIP CHAMBERS WITH FLOW REGULATORS
57: The design consists of drip chamber with an integrated flow regulator for medical infusion lines, made of plastic material and including a drip chamber having a spike or perforator and a flow regulator attached to the spike base and having a lateral manually operable graduated disk for controlling the flow regulator.

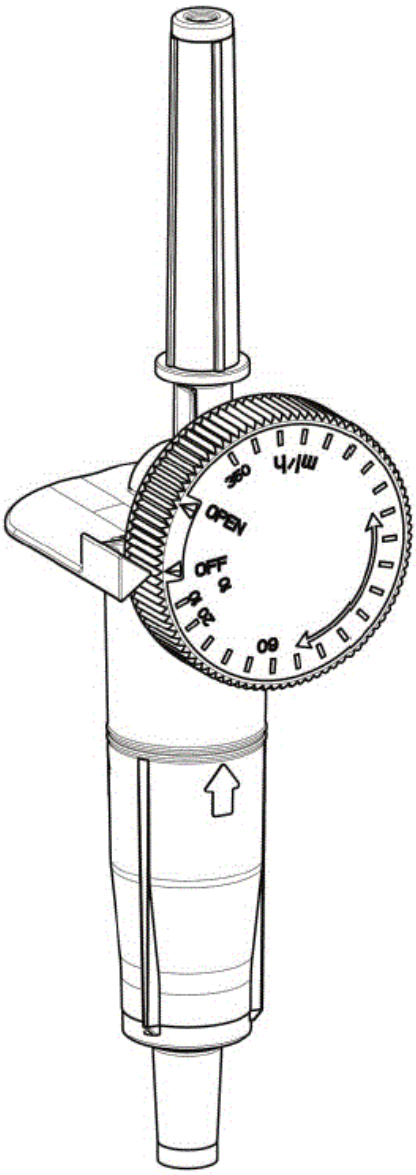


Figure 1

Three-dimensional view

21: A2024/00776 22: 2024-08-01 23:
43: 2024-02-02
52: Class 24 24: Part A
71: Industrie Borla S.p.A.
33: EM(IT) 31: 015049636-0001 32: 2024-02-02
54: MEDICAL INSTRUMENTS
57: The design consists of spike with an integrated flow regulator for medical infusion lines, made of plastic material and including a spike or perforator

and a flow regulator attached to the spike base and having a lateral manually operable graduated disk for controlling the flow regulator.

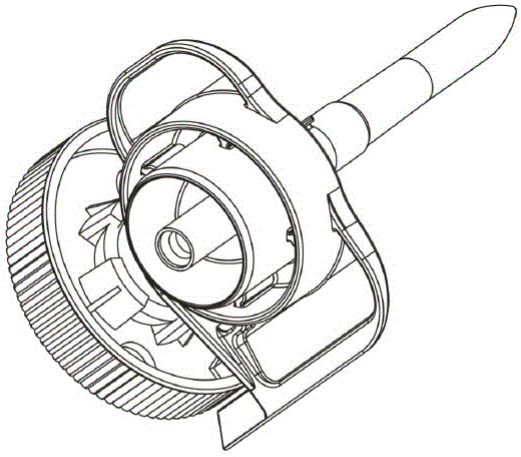


Figure 1

Three-dimensional view

21: A2024/00777 22: 2024-08-01 23:
43: 2024-02-02
52: Class 24 24: Part A
71: Industrie Borla S.p.A.
33: EM(IT) 31: 015049633-0002 32: 2024-02-02
54: DRIP CHAMBERS WITH FLOW REGULATORS
57: The design consists of drip chamber with an integrated flow regulator for medical infusion lines, made of plastic material and including a drip chamber having a spike or perforator and a flow regulator attached to the spike base and having a lateral manually operable graduated disk for controlling the flow regulator.

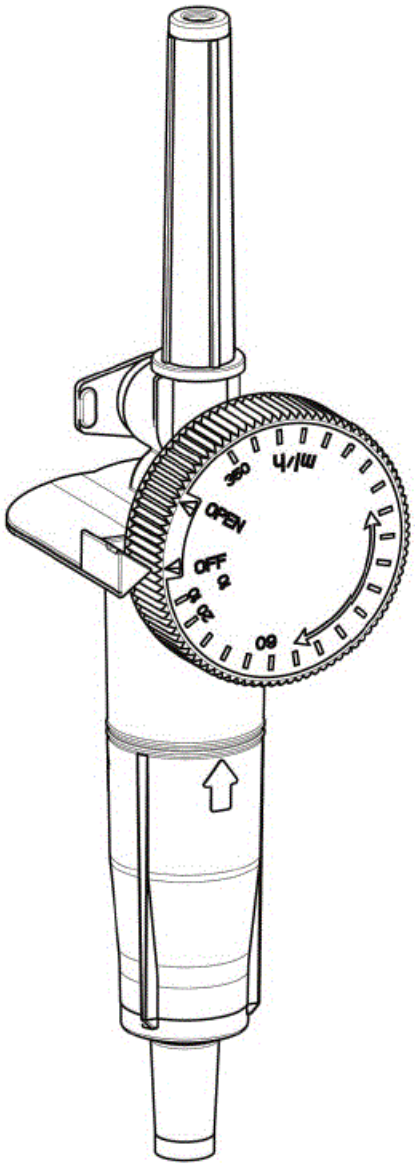
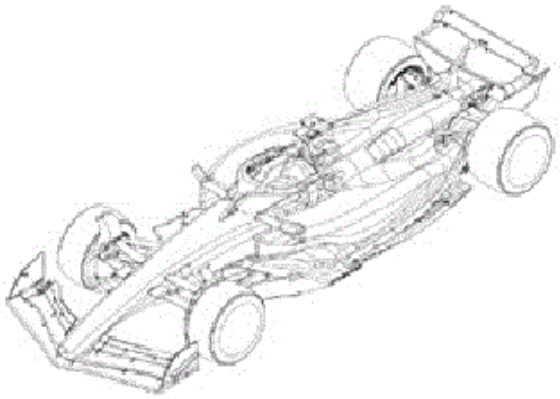


Figure 1

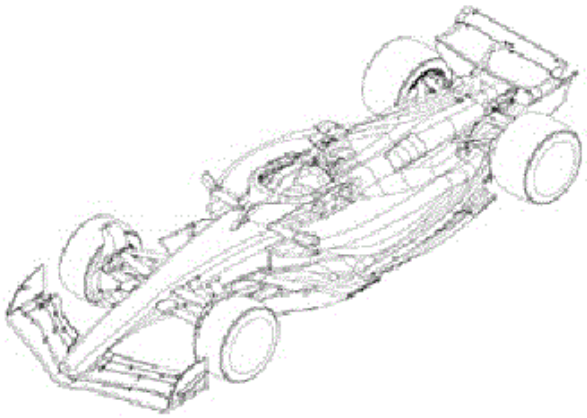
Three-dimensional view

21: A2024/00779 22: 2024-08-05 23:
43: 2025-03-06
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 144173 32: 2024-02-06
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



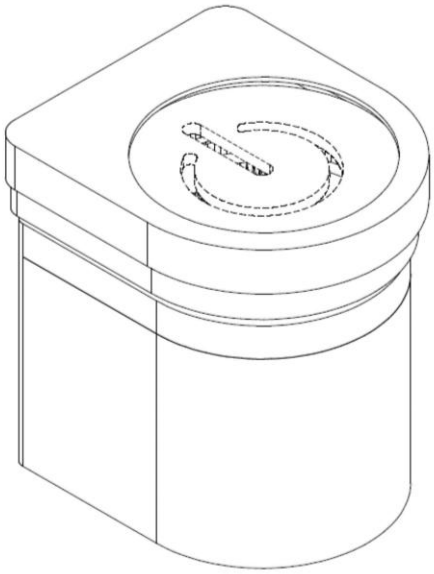
FRONT PERSPECTIVE VIEW

21: A2024/00780 22: 2024-08-05 23:
43: 2025-03-06
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: 144215 32: 2024-02-06
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2024/00787 22: 2024-08-07 23:
43: 2024-06-23
52: Class 24 24: Part A
71: RHODES UNIVERSITY
54: LABORATORY TOOLS
57: The design is for a laboratory tool. The features of the design are illustrated in the overall appearance of the laboratory tool. It is the overall design of the laboratory tool that is claimed.



21: A2024/00788 22: 2024-08-07 23:
43: 2024-08-07
52: Class 2 24: Part A
71: BATHU SWAG (PTY) LIMITED
54: Footwears
57: The design is for a footwear. The features of the design are illustrated in the overall appearance of the footwear except for the logo and trademark devices which are shown for illustrative purposes only.

Three-dimensional view from front

21: A2024/00792 22: 2024-08-07 23:
43: 2024-02-08
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2024300834949 32: 2024-02-08
54: AUTOMOBILES
57: The design is for an automobile in the form of a sport utility vehicle. The front fascia of the vehicle is equipped with a wide front grille with a large-sized

mesh pattern with sizable aerodynamic vents and air deflectors on both sides of the grille, and a subtle diffuser below the grille. Headlights on both sides of the grille, and above the vents, have a narrow and elongated shape. Sides of the vehicle include waistlines extending from the headlights to taillights, and door handles are concealed. A rear of the vehicle has a boot lid and a continuous taillight design. A rear bumper has two laterally positioned concealed exhaust ports.

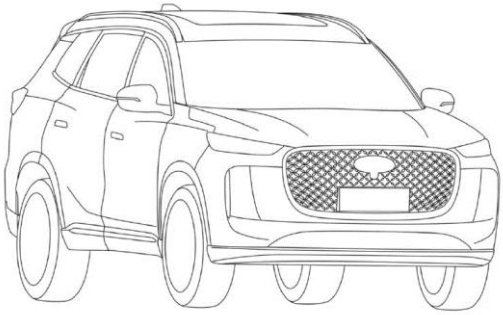


Figure 1

Three-dimensional view

21: A2024/00793 22: 2024-08-07 23:
43: 2024-02-08
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2024300834949 32: 2024-02-08
54: AUTOMOBILES
57: The design is for an automobile in the form of a sport utility vehicle. The front fascia of the vehicle is equipped with a large, wide grille with a multi-row, small inverted trapezoidal mesh design with sizable aerodynamic vents and air deflectors on both sides of the grille, and a subtle diffuser below the grille. Headlights on both sides of the grille, and above the vents, have a narrow and elongated shape. Sides of the vehicle include waistlines extending from the headlights to taillights, and door handles are concealed. A rear of the vehicle has a boot lid and a continuous taillight design. A rear bumper has two laterally positioned concealed exhaust ports.

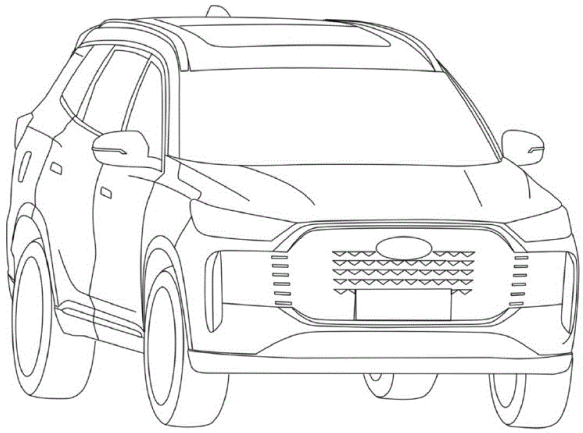


Figure 1

Three-dimensional view

21: A2024/00801 22: 2024-08-12 23:
43: 2024-03-01
52: Class 08 24: Part A
71: PVH Production A/S
33: EM(DK) 31: 015050250-0003 32: 2024-03-01
54: COAT PEGS
57: The design is for a coat peg. A feature of the design is the coat peg's circular shape with two round surfaces including a smaller and a larger round surface. The smaller round surface has a pattern.

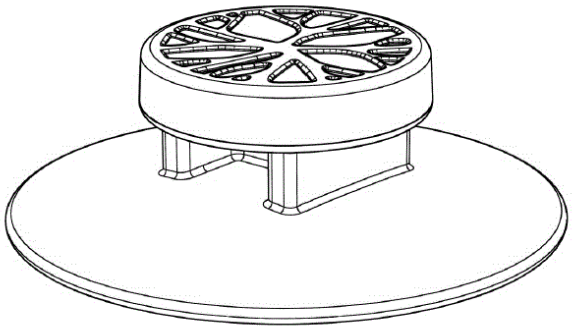


Figure 3

Three-dimensional view

21: A2024/00802 22: 2024-08-12 23:
43: 2024-02-09
52: Class 08 24: Part A
71: PVH Production A/S

33: EM(DK) 31: 015050204-0001 32: 2024-02-09
54: HAND TOOLS
57: A feature of the design is a three-dimensional shape of a hand tool. The hand tool has a cylindrical shape and with a pattern surface on the base of the tool.

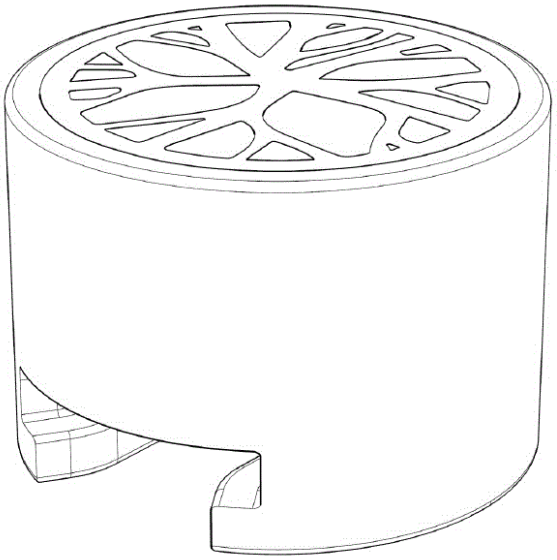


Figure 1

Three-dimensional view

21: A2024/00803 22: 2024-08-12 23:
43: 2025-03-07
52: Class 08 24: Part A
71: PVH Production A/S
33: EM 31: 015050204-0002 32: 2024-02-09
54: TOOLS
57: A feature of the design is a three-dimensional shape of a tool. The tool has a substantially puck-like shape and comprises an indented front surface which is patterned, and a hexagonally shaped projection with a spigot having a rounded tip projecting outwardly therefrom. A circular channel extends laterally through a top of the tool.

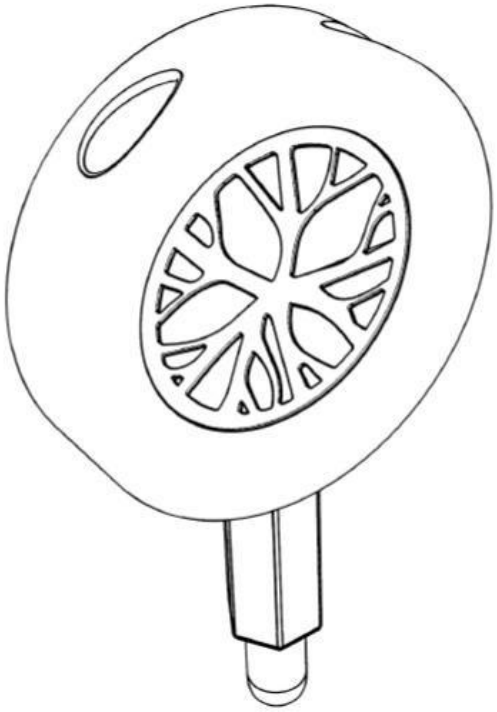
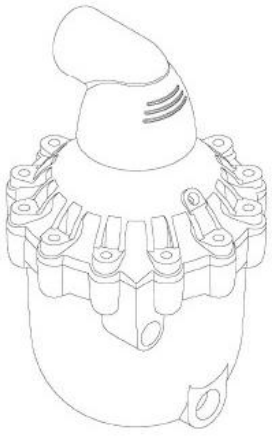


Figure 1

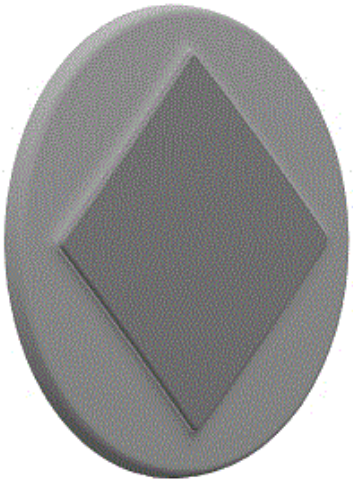
Three-dimensional view

21: A2024/00805 22: 2024-08-14 23:
43: 2025-03-06
52: Class 23 24: Part A
71: Bermad CS LTD.
54: AIR VALVES
57: The design is for an air valve with the features as shown in the representations.



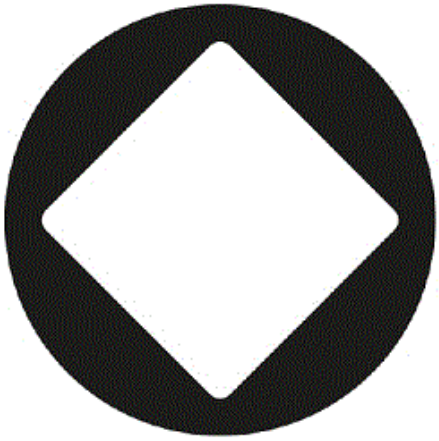
21: A2024/00818 22: 2024-08-21 23:
43: 2025-03-06

52: Class 32. 24: Part A
71: JAGUAR LAND ROVER LIMITED
33: EM 31: 015051444-0001 32: 2024-02-23
54: 3D Logo
57: The design relates to a 3D logo. The features of the design are those of shape and/or configuration and/or ornamentation.



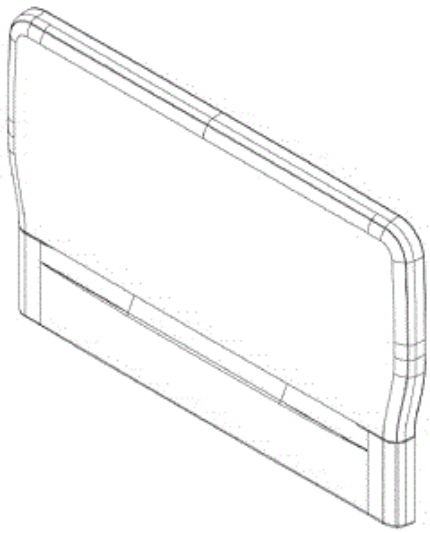
FIRST FRONT PERSPECTIVE VIEW

21: A2024/00819 22: 2024-08-21 23:
43: 2025-03-06
52: Class 32. 24: Part A
71: JAGUAR LAND ROVER LIMITED
33: EM 31: 015051444-0002 32: 2024-02-23
54: 2D Logo
57: The design relates to a 2D logo. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2024/00820 22: 2024-08-21 23:
43: 2025-03-06
52: Class 13. 24: Part A
71: AISIWEI NEW ENERGY TECHNOLOGY (YANGZHONG) CO., LTD.
33: CN 31: 2024303216159 32: 2024-05-29
54: Energy Storage Inverter Cover
57: The design relates to an energy storage inverter cover. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2024/00821 22: 2024-08-22 23:
43: 2025-03-07

52: Class 9 24: Part A
71: Beiersdorf AG
33: IB 31: DM/237394 32: 2024-05-16
54: BOTTLES
57: The design is for a bottle having an elongate body and a top with a dispensing pump having a spout. The body is cylindrical and has an elliptical cross-sectional shape with a shoulder tapering inwardly to the top. The top has a cylindrical shape with the dispensing pump having a smaller cylindrical shape. The spout is straight and projects from the top of the dispensing pump outwardly. At a bottom surface the bottle has a base with a furrow extending laterally. The bottle and top have a white colour and the dispensing pump and spout have a navy-blue colour.

Figure 1

Three-dimensional view

21: A2024/00822 22: 2024-08-22 23:
43: 2024-05-16
52: Class 9 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/237394 32: 2024-05-16
54: BOTTLES
57: The design is for a bottle having an elongate body and a top with a flip top cap. The body is cylindrical and has an elliptical cross-sectional shape with a shoulder tapering inwardly to the top. The top with the cap has a cylindrical shape. At a bottom surface, the bottle has a base with a furrow extending laterally. The bottle has a navy-blue colour.

Figure 1

Three-dimensional view

21: A2024/00823 22: 2024-08-22 23:
43: 2024-05-16
52: Class 9 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/237394 32: 2024-05-16
54: BOTTLES
57: The design is for a bottle having an elongate body and a top with a dispensing pump having a spout. The body is cylindrical and has an elliptical cross-sectional shape with a shoulder tapering inwardly to the top. The top has a cylindrical shape with the dispensing pump having a smaller cylindrical shape. The spout is straight and projects from the top of the dispensing pump outwardly. At a

bottom surface the bottle has a base with a furrow extending laterally. The bottle has a navy-blue colour.

Figure 1

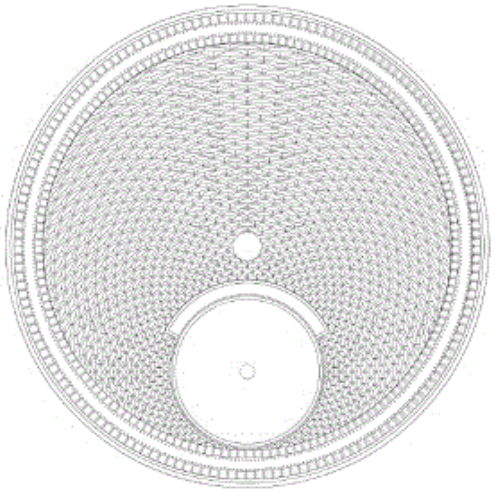
Three-dimensional view

21: A2024/00824 22: 2024-08-22 23:
43: 2024-05-16
52: Class 9 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/237394 32: 2024-05-16
54: BOTTLES
57: The design is for a bottle having an elongate body and a top with a flip top cap. The body is cylindrical and has an elliptical cross-sectional shape with a shoulder tapering inwardly to the top. The top with the cap has a cylindrical shape. At a bottom surface, the bottle has a base with a furrow extending laterally. The body and top have a white colour and the flip top cap has a navy-blue colour.

Figure 1

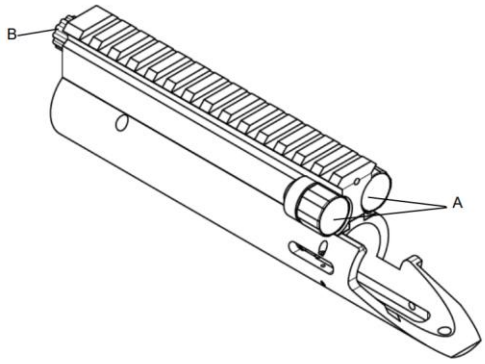
Three-dimensional view

21: A2024/00825 22: 2024-08-22 23:
43: 2025-03-06
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2024-00106 32: 2024-03-05
54: Watch Dial
57: The design relates to a watch dial. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2024/00831 22: 2024-08-26 23:
43: 2025-03-06
52: Class 22 24: Part A
71: HENDRIK FREDERIK DU PLESSIS
54: AN AIRGUN RECEIVER
57: The features of the design for which protection is claimed reside in the shape and/or configuration of an airgun receiver substantially as illustrated in the accompanying drawings. The receiver is particularly suitable for use on a pre-charged pneumatic airgun, which is mountable to the rifle's stock, and which is configured for supporting a regulator (B) and accompanying air gauges (A) in a user's line of sight when the airgun is in use.



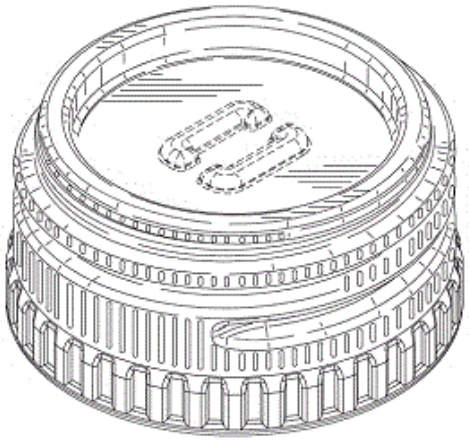
PERSPECTIVE VIEW FROM ABOVE AT A FIRST ANGLE OF ROTATION, ILLUSTRATING POSITIONING OF AIR GAUGES (A) AND A REGULATOR (B) IN THE RECEIVER

21: A2024/00838 22: 2024-08-28 23:
43: 2024-02-29
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2024301024046 32: 2024-02-29
54: AUTOMOBILES
57: The design is for an automobile in the form of a SUV. The automobile has a large, hexagonal front part having a centrally located grille defined by a pattern of chevron-shaped openings. An air inlet is provided on either side of the front bumper. A triangular-shaped member extends forwardly from each air inlet towards a meshed-shaped grille at the bottom of the front bumper. A pair of horizontally arranged headlights extend on either side of the front bumper adjacent the hood. Large wheel arches are provided on a long wheelbase. A horizontally arranged taillight extends the entire width of the trunk and wraps the rear sides of the automobile. A substantially rectangular shaped tailgate handle is provided on the trunk and triangular-shaped recessed portions extend angularly downwardly from each bottom corner of the handle. Vertically arranged taillights are provided on either side of the rear bumper. The automobile has a rear diffuser.

Figure 6

Three-dimensional view

21: A2024/00839 22: 2024-08-28 23:
43: 2025-03-06
52: Class 9. 24: Part A
71: ORIGIN MATERIALS OPERATING, INC.
33: US 31: 29/930,550 32: 2024-02-29
54: Bottle Cap
57: The design relates to a bottle cap. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2024/00841 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart.

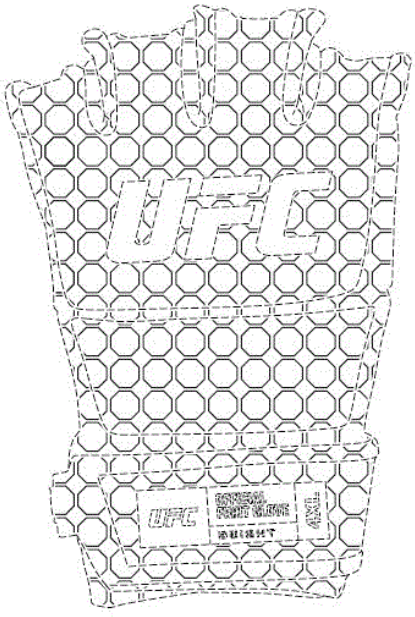


Figure 1
Front view

21: A2024/00842 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart.

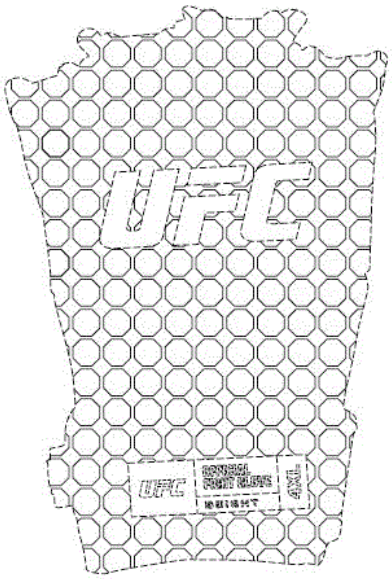


Figure 1
Front view

21: A2024/00843 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart.

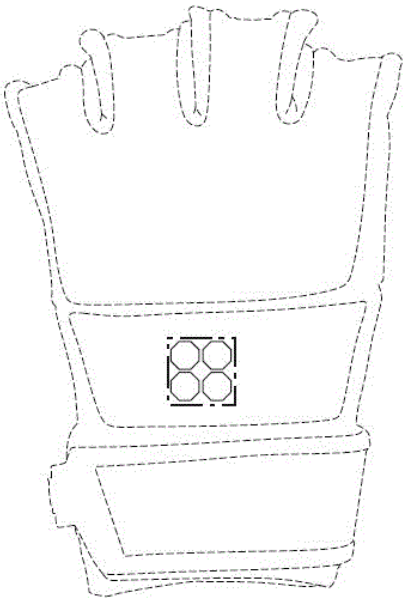


Figure 1
Front view

21: A2024/00844 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart. The pattern is applied over a textured surface.

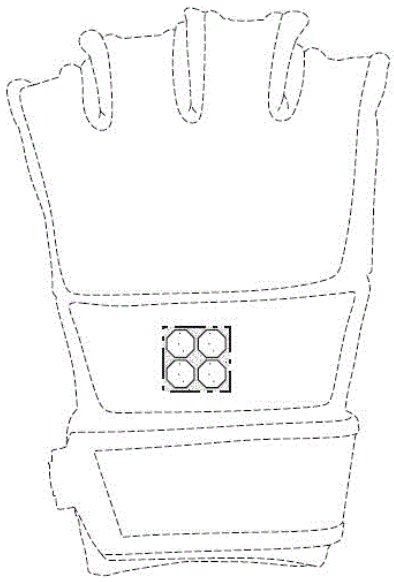


Figure 1
Front view

21: A2024/00845 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart. Each octagonal shape has a double lined outline.

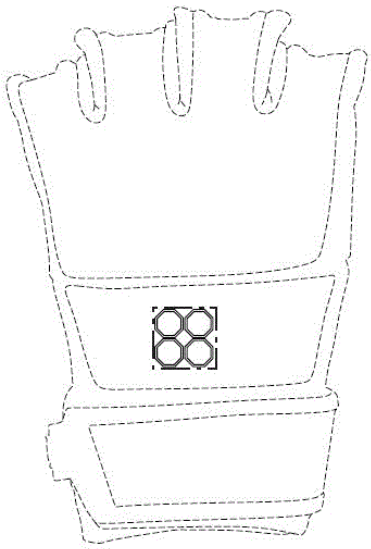


Figure 1
Front view

21: A2024/00846 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart. Spaces separating octagonal shapes longitudinally are thinner than spaces separating octagonal shapes vertically.

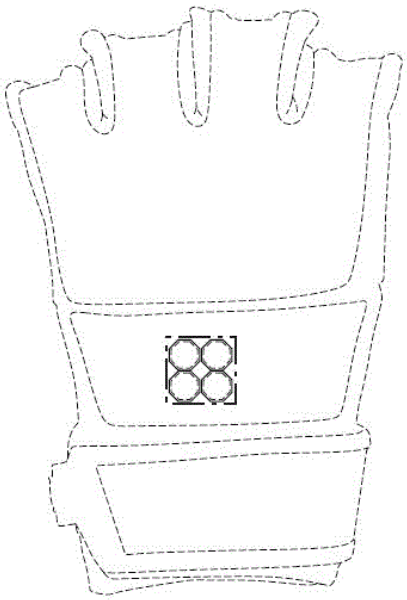


Figure 1
Front view

21: A2024/00847 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart. Octagonal shapes are elevated/embossed from the surface.

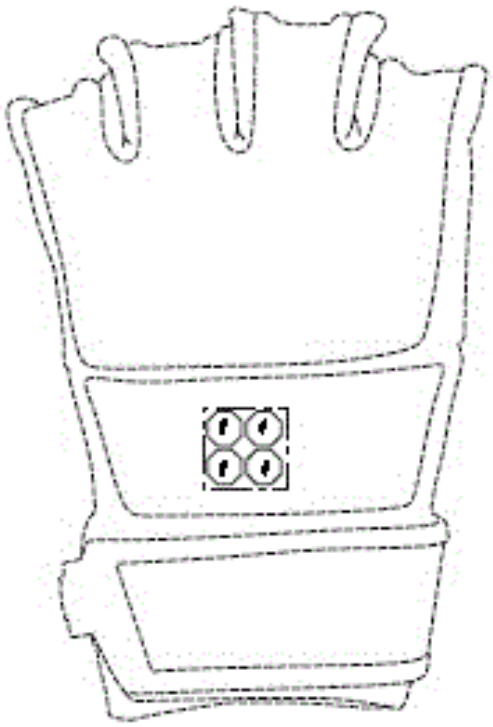


Figure 1
Front view

21: A2024/00848 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart. Octagonal shapes are depressed/debossed into the surface.

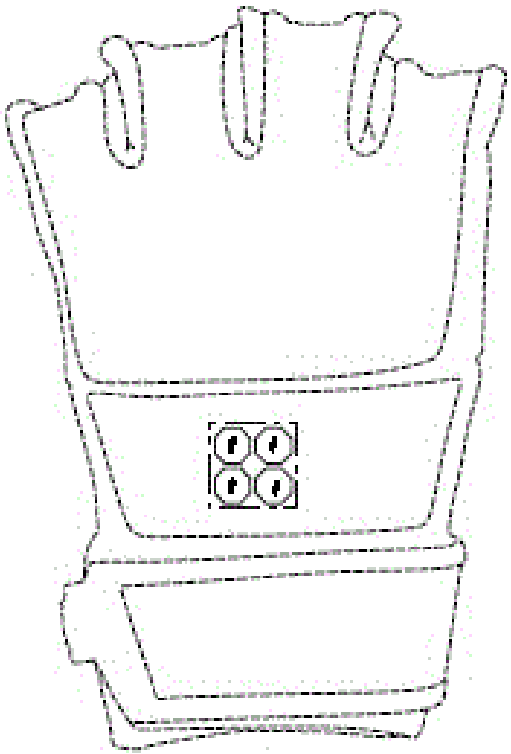
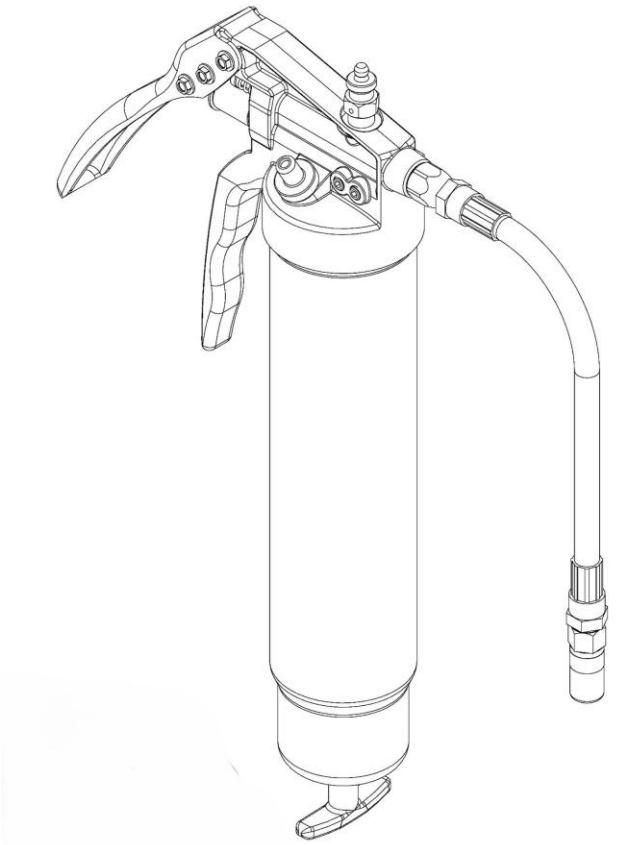


Figure 1
Front view

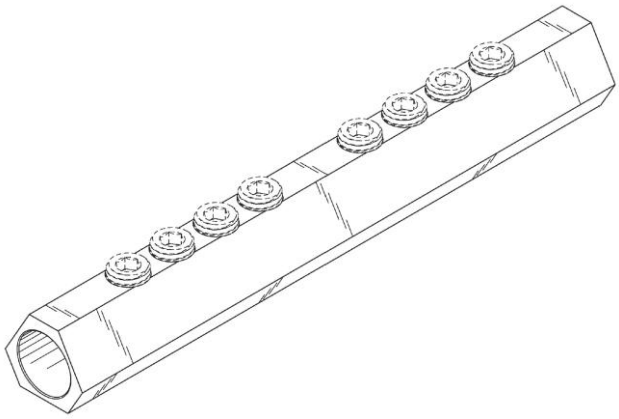
21: A2024/00849 22: 2024-08-29 23:
43: 2024-03-06
52: Class 02 24: Part A
71: Zuffa, LLC
33: US 31: 29/931,291 32: 2024-03-06
54: SPORTS APPAREL SURFACE PATTERNS
57: The design is for sports apparel surface patterns consisting of a multitude of identical octagonal shapes arranged in a grid pattern, each octagonal shape being aligned longitudinally and laterally with other octagonal shapes which are narrowly spaced apart.

Figure 1
Three-dimensional view

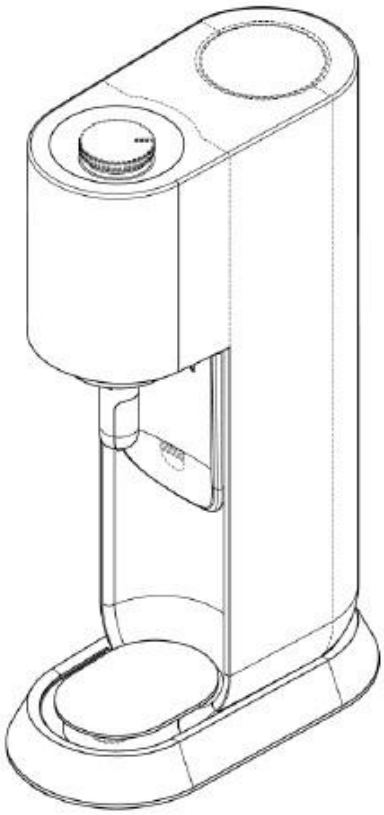
21: A2024/00872 22: 2024-09-06 23:
43: 2025-04-17
52: Class 08 24: Part A
71: MACNAUGHT PTY LTD
54: GREASE GUN
57: The design is applied to a grease gun. The features of the design for which protection is claimed are those of the shape and/or configuration of the grease gun, substantially as illustrated in the accompanying representation.



21: A2024/00881 22: 2024-09-10 23:
43: 2025-04-17
52: Class 08 24: Part A
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 29/932,226 32: 2024-03-12
54: FASTENER FOR STEEL CABLE CONVEYOR BELTS
57: The design is applied to a fastener for steel cable conveyor belts. 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 fastener for steel cable conveyor belts, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Surface shading lines are provided to indicate the surface character but do not form part of the design and are also disclaimed.

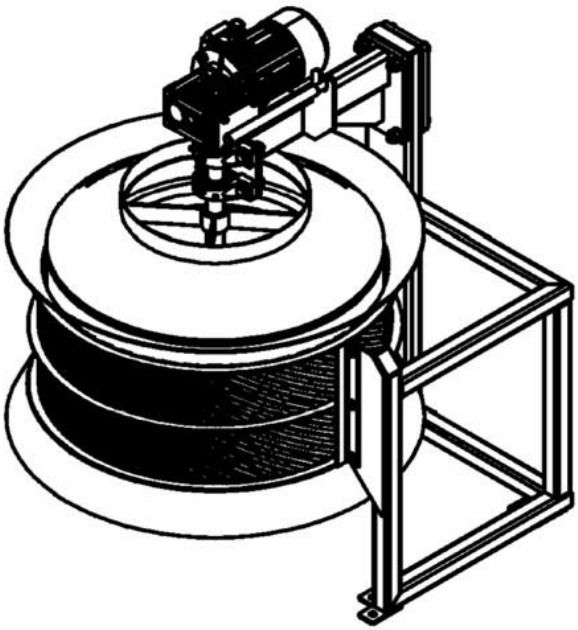


21: A2024/00884 22: 2024-09-11 23:
43: 2025-04-08
52: Class 31 24: Part A
71: SODASTREAM INDUSTRIES LTD.
33: IL 31: 72390 32: 2024-04-04
54: DOMESTIC SODA-WATER PREPARING DEVICE
57: The design is for a domestic soda-water preparing device as shown in the representations.



PERSPECTIVE VIEW

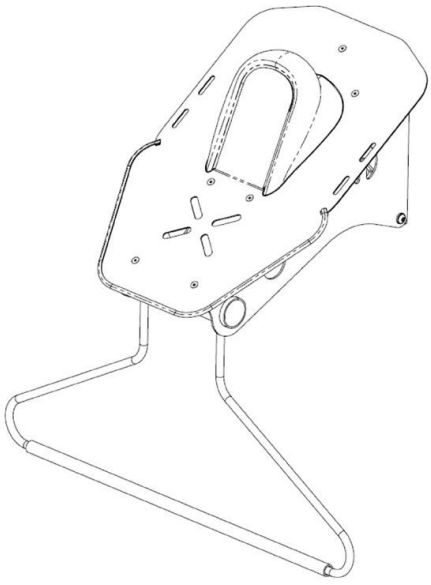
21: A2024/00889 22: 2024-09-12 23:
43: 2025-04-08
52: Class 31 24: Part A
71: ADDS UP ENGINEERING PTY LTD
33: AU 31: 202411992 32: 2024-03-28
54: MACADAMIA DE-HUSKER
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a macadamia de-husker substantially as illustrated in the accompanying representations.



21: A2024/00905 22: 2024-09-17 23:
43: 2025-04-08
52: Class 27 24: Part A
71: STOLTZ, JOHAN RUDOLPH
54: VAPE DEVICE
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a VAPE DEVICE as shown in the accompanying representation, irrespective of the features shown in broken lines

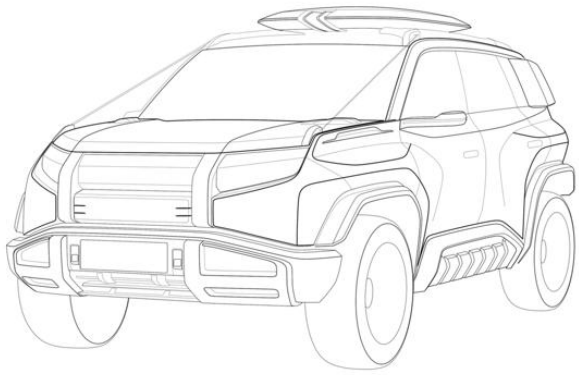
FRONT PERSPECTIVE VIEW

21: A2024/00912 22: 2024-09-17 23:
43: 2025-04-11
52: Class 06 24: Part A
71: SPANGENBERG, ABRAHAM ALBERTUS
54: RACK FOR A BIKE HELMET
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a RACK FOR A BIKE HELMET as shown in the accompanying representation, irrespective of the features shown in broken lines.

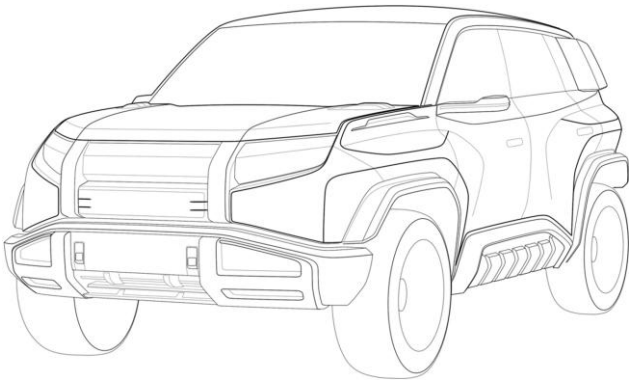


PERSPECTIVE VIEW

21: A2024/00986 22: 2024-09-30 23:
43: 2025-04-17
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 2024301760942 32: 2024-04-01
54: CAR
57: The design is applied to a car. 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 car, substantially as illustrated in the accompanying representation.



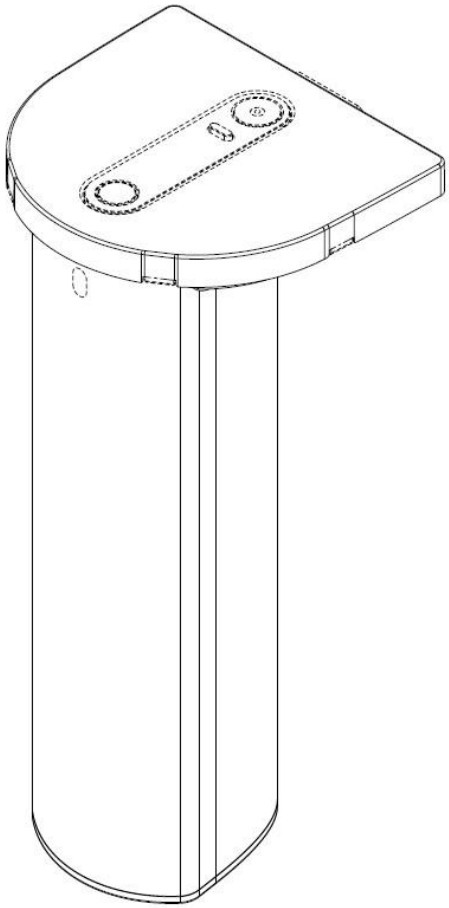
21: A2024/00987 22: 2024-09-30 23:
43: 2025-04-11
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 2024301760942 32: 2024-04-01
54: CAR
57: The design is applied to a car. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the car, substantially as illustrated in the accompanying representation.



21: A2024/00988 22: 2024-09-30 23:
43: 2025-04-11
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202430206531.0 32: 2024-04-13
54: AUTOMOBILE
57: The design is applied to an automobile. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the automobile,

substantially as illustrated in the accompanying representation.

21: A2024/01033 22: 2024-10-10 23:
43: 2025-05-08
52: Class 23 24: Part A
71: SODASTREAM INDUSTRIES LTD.
33: IL 31: 72409 32: 2024-04-11
54: WATER PURIFIER
57: The design is for a water purifier with features as shown in the representations.

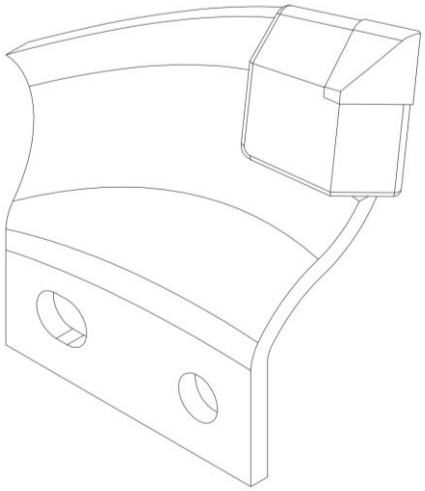


21: A2025/00212 22: 2025-02-24 23:
43: 2025-05-06
52: Class 16 24: Part A
71: Shenzhen Ten Rings Optics Co., Ltd.
33: CN 31: 2025300170707 32: 2025-01-10
54: DIGITAL DAY AND NIGHT VISION SCOPE
57: The design relates to a Digital Day and Night Vision Scope. The feature of the design is that of shape.

21: A2025/00213 22: 2025-02-24 23:
43: 2025-05-06
52: Class 16 24: Part A
71: Shenzhen Ten Rings Optics Co., Ltd.
33: CN 31: 2025300170675 32: 2025-01-10
54: DIGITAL NIGHT VISION MONOCULAR
57: The design relates to a Digital Night Vision Monocular. The feature of the design is that of shape.

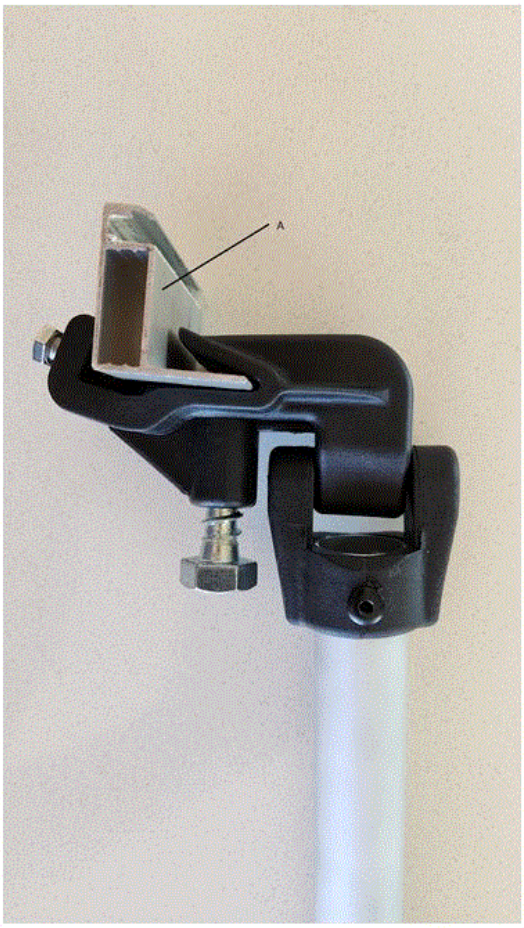
21: F2022/01330 22: 2022-10-21 23:
43: 2023-05-12
52: Class 08 24: Part F
71: EHLERS, Jan Gerhardus
54: DIGGING ELEMENTS
57: The design is for a digging element, used for trenching. The digging element comprises of a curved cutter blade, defined by an attachment portion and a cutting portion extending upwardly therefor, of which a Tungsten carbide bit is disposed on a cutting edge of the cutting portion. The

attachment portion includes a planar body with two spaced apart apertures disposed thereon. The cutting portion is defined by an angled cup surface, in the form of a substantially sigmoid-shape curve in both the lateral and longitudinal direction. The Tungsten carbide bit is in the form of a cutting tooth, which comprises a substantially trapezium shape composite body of which a base portion is welded onto the distal end of the cutting portion and a hardened distal tip inlay extending therefrom. Furthermore, both a top and front periphery of the Tungsten carbide bit includes a wedge-shaped cutting edge.

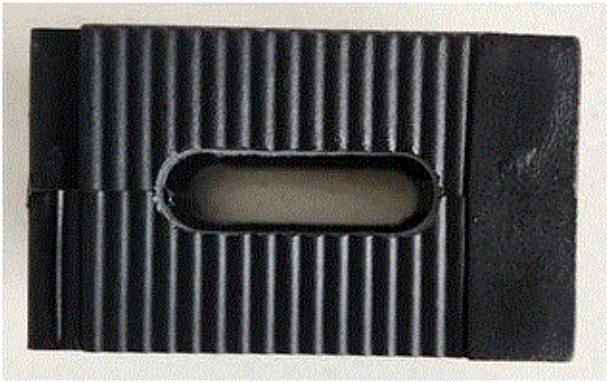


Three-dimensional view of a digging element

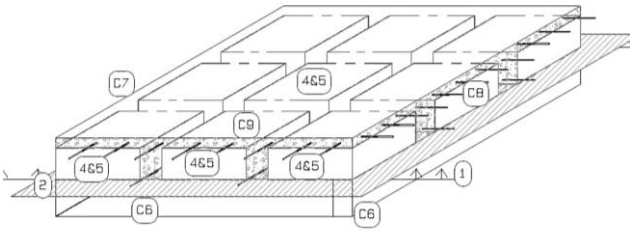
21: F2023/01446 22: 2023-12-19 23:
43: 2025-03-06
52: Class 13 24: Part F
71: NIENHUIS, Jan, Balster
54: SOLAR PANEL FRAME ENGAGING MEMBER
57: The design relates to a Solar Panel Frame Engaging Member. The features of the design are those of shape and/or configuration. The Solar Panel Frame “A” shown in Figures 1 and 2 does not form part of the design.



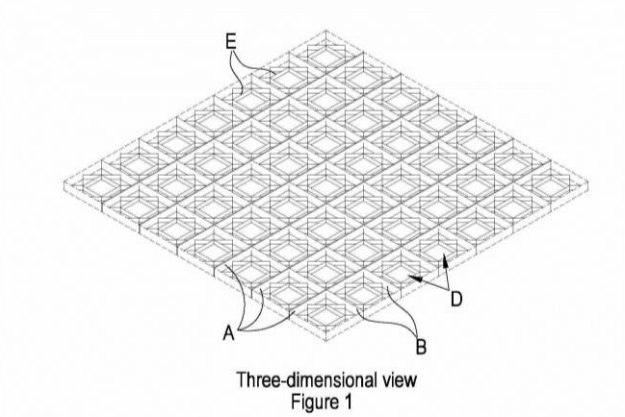
21: F2024/00442 22: 2024-05-09 23:
43: 2025-03-06
52: Class 13 24: Part F
71: NIENHUIS, Jan, Balster
54: SPACER BRACKET FOR MOUNTING SOLAR PANELS
57: The design relates to a Spacer for Mounting Solar Panels. The features of the design are those of shape and/or configuration.



21: F2024/00778 22: 2024-08-02 23:
43: 2025-03-06
52: Class 25 24: Part F
71: VAN DER MERWE, Dries
54: A FOUNDATION FOR A BUILDING
57: The design provides a foundation for a building wherein the foundation includes a grid of beams cast on or above the ground without the need to excavate trenches, wherein the beams are cast from a settable cementitious composition in the channels formed between a grid of coffers, and wherein a slab is cast integrally with the beams thereby to form the foundation.

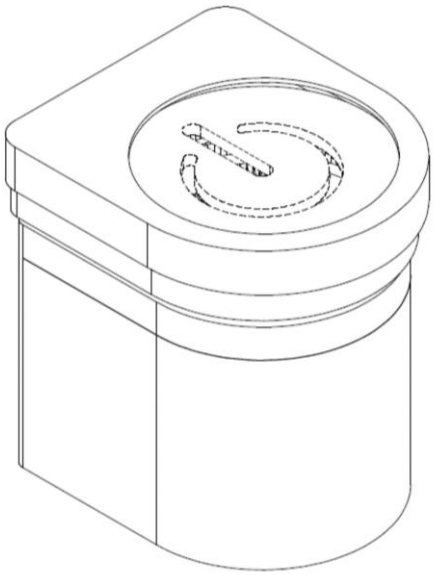


21: F2024/00784 22: 2024-08-06 23:
43: 2024-08-06
52: Class 25 24: Part F
71: University of the Witwatersrand, Johannesburg
54: Geogrids
57: This design relates to prefabricated building parts, particularly geogrids. The geogrid has a generally planar body comprising networks of primary and secondary ribs. The network of primary ribs comprises a plurality of transversely and longitudinally oriented ribs which define square primary apertures at intersections thereof. The network of secondary ribs comprise a plurality of secondary ribs disposed within the primary apertures and extend between adjacent transversely and longitudinally oriented primary ribs. The secondary ribs define a plurality of smaller secondary apertures within the primary apertures, wherein network of secondary ribs define central square apertures, within the primary apertures, which are flanked by a plurality of triangular apertures. The primary ribs have a greater height than the secondary ribs. The longitudinally oriented ribs are thicker than the transversely oriented ribs.



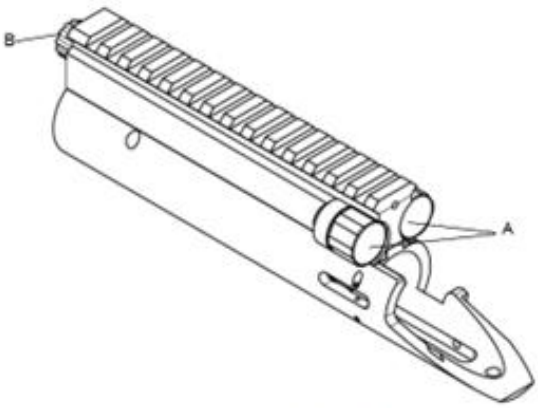
Three-dimensional view
Figure 1

21: F2024/00789 22: 2024-08-07 23:
43: 2025-03-07
52: Class 24 24: Part F
71: RHODES UNIVERSITY
54: LABORATORY TOOLS
57: The design is for a laboratory tool. The features of the design are illustrated in the overall appearance of the laboratory tool. It is the overall design of the laboratory tool that is claimed.



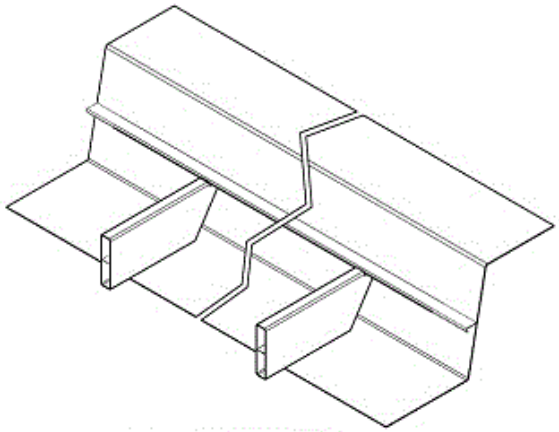
21: F2024/00832 22: 2024-08-26 23:
43: 2025-03-06
52: Class 22 24: Part F
71: HENDRIK FREDERIK DU PLESSIS
54: AN AIRGUN RECEIVER
57: The features of the design for which protection is claimed reside in the shape and/or configuration of an airgun receiver substantially as illustrated in the accompanying drawings. The receiver is particularly suitable for use on a pre-charged pneumatic airgun,

which is mountable to the rifle's stock, and which is configured for supporting a regulator (B) and accompanying air gauges (A) in a user's line of sight when the airgun is in use.



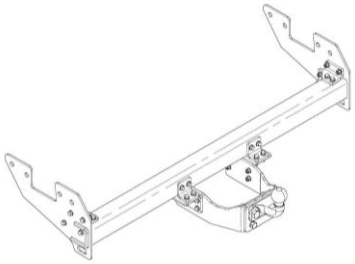
PERSPECTIVE VIEW FROM ABOVE AT A FIRST ANGLE OF ROTATION, ILLUSTRATING POSITIONING OF AIR GAUGES (A) AND A REGULATOR (B) IN THE RECEIVER

21: F2024/00833 22: 2024-08-26 23:
43: 2025-03-06
52: Class 25. 24: Part F
71: HYDROSTRUCT (PTY) LTD
54: Barrier Set
57: The design relates to a barrier set. The features of the design are those of shape and/or configuration and/or pattern.

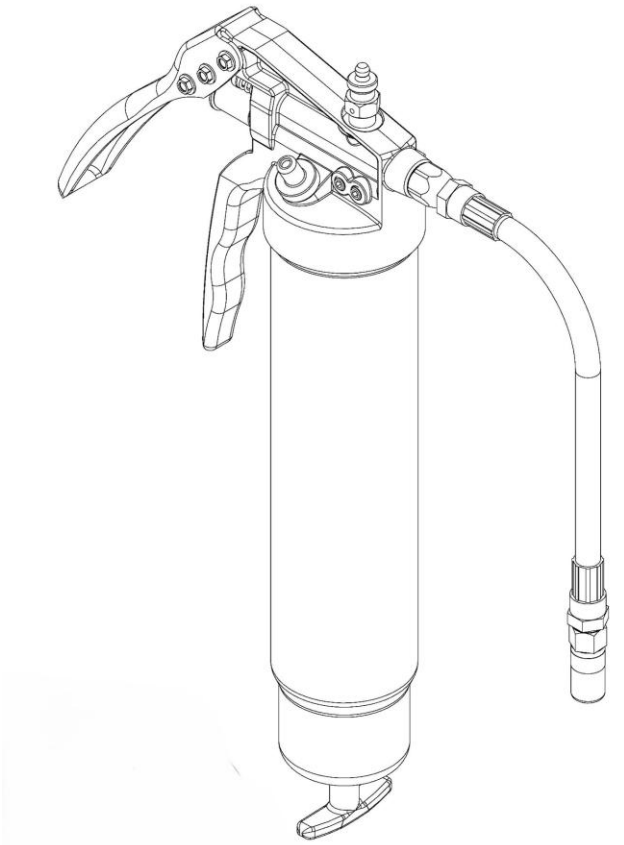


TOP PERSPECTIVE VIEW STRAIGHT DAMP PROOF COURSE UNIT AND WEEP VENT OF BARRIER SET

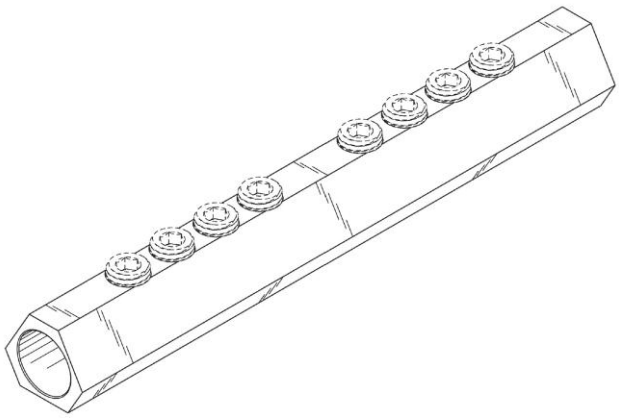
21: F2024/00837 22: 2024-08-28 23:
43: 2024-08-28
52: Class 12 24: Part F
71: BOSAL AFRICA (PTY) LTD
54: TOW BAR ASSEMBLIES
57: The design relates to a tow bar assembly which is configured to be attached to a vehicle using conventional mechanical fasteners. The tow bar assembly includes a conventional tow ball which is operatively secured to a ball mount which includes a pair of inwardly angled shoulders, each of which has a plurality of mounting holes for receiving fasteners. The tow bar assembly also includes a pair of planar mounting arms, each having a U-shaped cut-out, for receiving opposing ends of a laterally extending U-shaped tow bar crossbeam. The mounting arms and shoulders are secured to the crossbeam using right-angled mounting plates and suitable mechanical fasteners which pass through registering holes. The tow bar assembly is characterised in that it is absent of any form of welding and is assembled using mechanical fasteners only.



21: F2024/00873 22: 2024-09-06 23:
43: 2025-04-08
52: Class 08 24: Part F
71: MACNAUGHT PTY LTD
54: GREASE GUN
57: The design is applied to a grease gun. The features of the design for which protection is claimed are those of the shape and/or configuration of the grease gun, substantially as illustrated in the accompanying representation.



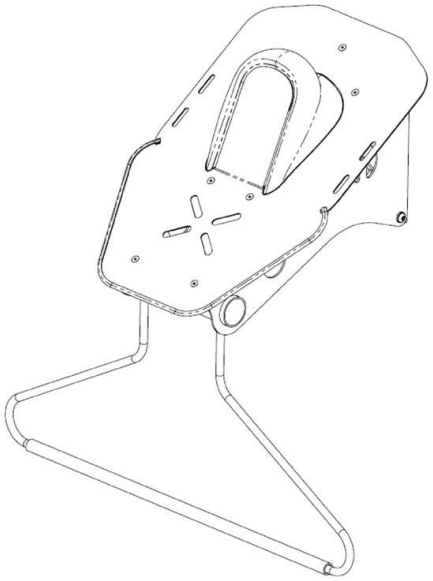
21: F2024/00883 22: 2024-09-10 23:
43: 2025-04-08
52: Class 08 24: Part F
71: FLEXIBLE STEEL LACING COMPANY
33: US 31: 29/932,226 32: 2024-03-12
54: FASTENER FOR STEEL CABLE CONVEYOR BELTS
57: The design is applied to a fastener for steel cable conveyor belts. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the fastener for steel cable conveyor belts, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Surface shading lines are provided to indicate the surface character but do not form part of the design and are also disclaimed.



21: F2024/00906 22: 2024-09-17 23:
43: 2025-04-11
52: Class 27 24: Part F
71: STOLTZ, JOHAN RUDOLPH
54: VAPE DEVICE
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a VAPE DEVICE as shown in the accompanying representation, irrespective of the features shown in broken lines.

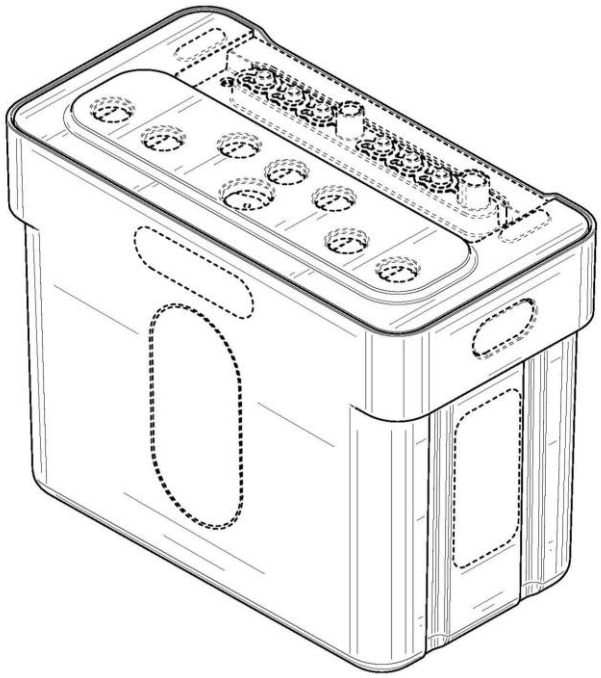
FRONT PERSPECTIVE VIEW

21: F2024/00913 22: 2024-09-17 23:
43: 2025-04-11
52: Class 06 24: Part F
71: SPANGENBERG, ABRAHAM ALBERTUS
54: RACK FOR A BIKE HELMET
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a RACK FOR A BIKE HELMET as shown in the accompanying representations, irrespective of the features shown in broken lines.

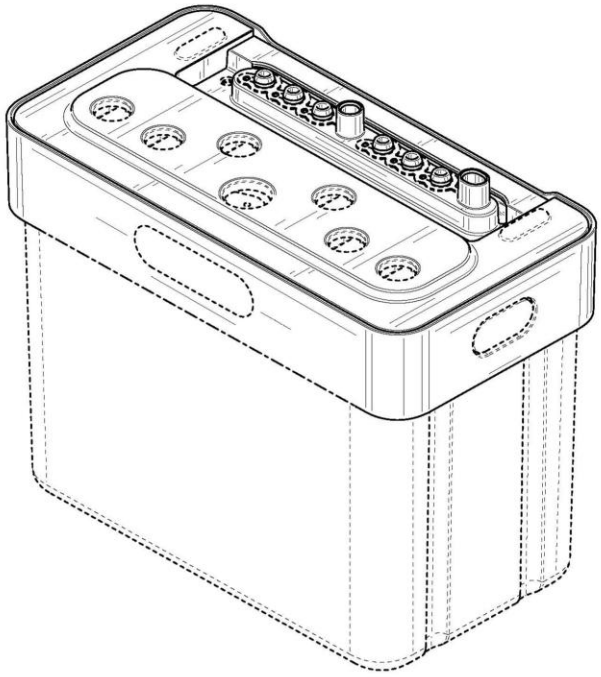


PERSPECTIVE VIEW

21: F2024/00965 22: 2024-09-26 23:
43: 2025-04-11
52: Class 24 24: Part F
71: ILLUMINA, INC.
33: US 31: 29/935,380 32: 2024-04-01
54: CARTRIDGE
57: The design is applied to a cartridge. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the cartridge, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Surface shading lines, provided by comparatively lighter-weight solid lines, are provided to indicate the surface character but do not form part of the design and are also disclaimed.

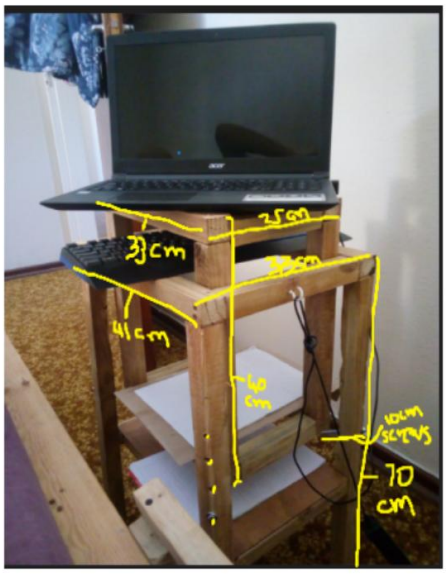


21: F2024/00966 22: 2024-09-26 23:
43: 2025-04-11
52: Class 24 24: Part F
71: ILLUMINA, INC.
33: US 31: 29/935,380 32: 2024-04-01
54: CARTRIDGE
57: The design is applied to a cartridge. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the cartridge, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Surface shading lines, provided by comparatively lighter-weight solid lines, are provided to indicate the surface character but do not form part of the design and are also disclaimed. Long dash-short dash lines represent a boundary to indicate a transition from a claimed to a disclaimed part of the design.

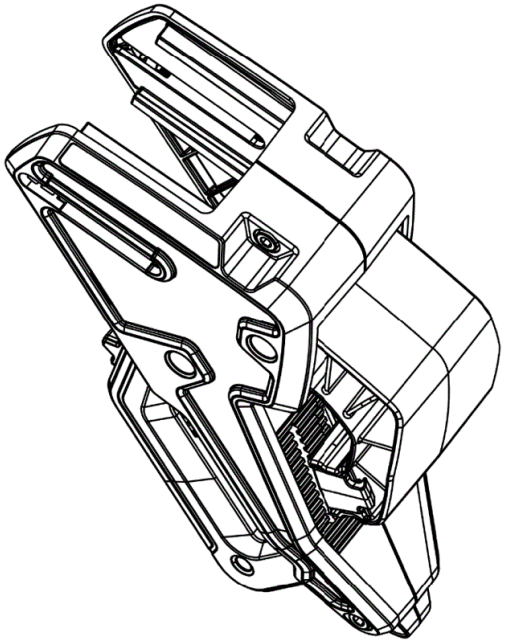


21: F2025/00167 22: 2025-02-13 23:
43: 2025-04-17
52: Class 06 24: Part F
71: Adrian de Villiers
54: LAPTOP ADJUSTABLE BEDSIDE TABLE
57: Laptop bedside table with an adjustable height from 70cm to 90cm. The Laptop table fits all sizes of laptops.

Adjustable laptop bedside table.



21: F2025/00344 22: 2025-03-26 23:
43: 2025-05-06
52: Class 8 24: Part F
71: CONDOR PEAK, LLC
33: US 31: 29/991,292 32: 2025-02-27
54: CHASSIS FOR A LADDER CLAMP
57: The design relates to a CHASSIS FOR A LADDER CLAMP. 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.

No records available

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

No records available

PATENT CORRECTION NOTICES

No records available

DESIGNS CORRECTION NOTICES

No records available

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for May 2025

Number of Advertised Patents: 595

Application Number	Patent Title	Filing Date
2016/00919	GRAPHENE MODIFICATION	2016/02/10
2016/02248	TREATED FILLERS, COMPOSITIONS CONTAINING SAME, AND ARTICLES PREPARED THEREFROM	2016/04/05
2016/02253	SOLUTONS FOR INCREASING THE STABILITY AND SHELF LIFE OF AN ORGAN AND TISSUE PRESERVATION SOLUTION	2016/04/05
2016/02256	TREATED FILLERS, COMPOSITIONS CONTAINING SAME, AND ARTICLES PREPARED THEREFROM	2016/04/05
2016/03033	METHODS FOR PROCESSING METAL ALLOYS	2016/05/06
2016/04464	FCRN ANTAGONISTS AND METHODS OF USE	2016/06/30
2016/04829	HIGH-STRENGTH FLAT STEEL PRODUCT HAVING A BAINITIC-MARTENSITIC MICROSTRUCTURE AND METHOD FOR PRODUCING SUCH A FLAT STEEL PRODUCT	2016/07/13
2016/05819	METHOD FOR PRODUCING A HIGH-STRENGTH FLAT STEEL PRODUCT	2016/08/22
2016/05858	NOVEL POLYSACCHARIDE AND USES THEREOF	2016/08/23
2016/05860	STABLE COMPOSITIONS OF UNCOMPLEXED IODINE AND METHODS OF USE	2016/08/23
2016/06385	2-(2,4-DIFLUOROPHENYL)-1,1-DIFLUORO-1-(5-SUBSTITUTED-PYRIDIN-2-YL)-3-(1H-TETRAZOL-1-YL)PROPAN-2-OLS AND PROCESES FOR THEIR PREPARATION	2016/09/15
2016/07137	IMPROVED OYSTER FARMING METHOD	2016/10/17
2016/07488	COMPOUNDS FOR TREATING BRAIN CANCER	2016/10/31
2016/08522	ELECTRICALLY-POWERED AEROSOL DELIVERY SYSTEM	2016/12/09
2018/04002	DRIVING MEMBER FOR PUSH-BUTTON SWITCH AND PUSH-BUTTON SWITCH	2018/06/15
2018/06684	METHODS OF TREATING PEDIATRIC CANCERS	2018/10/08
2018/07446	IMPROVED DRUG FORMULATIONS	2018/11/06
2018/08551	NASAL PHARMACEUTICAL	2018/12/19

Application Number	Patent Title	Filing Date
	COMPOSITIONS WITH A POROUS EXCIPIENT	
2019/00277	WIRELESS COMMUNICATION DEVICES	2019/01/15
2019/00350	METHODS FOR QUANTITATING INDIVIDUAL ANTIBODIES FROM A MIXTURE	2019/01/17
2019/00747	DYNAMIC COMPENSATION OF A ROBOT ARM MOUNTED ON A FLEXIBLE ARM	2019/02/05
2019/02851	CYCLONE SEPARATOR APPARATUS AND METHODS OF PRODUCTION	2019/05/07
2019/03862	FACE PLATE WITH FRAME AND METHOD OF MANUFACTURE	2019/06/14
2019/03863	ELECTRICAL OUTLET AND SUPPORT FOR ELECTRICAL DEVICE	2019/06/14
2019/03864	FACE PLATE AND METHOD OF MANUFACTURE	2019/06/14
2019/04257	PUSH-BUTTON SWITCH WITH STATUS INDICATOR	2019/06/28
2019/06108	CIRCUMCISION DEVICE	2019/09/16
2019/06514	MINE SHAFT CONVEYANCE SAFETY BRAKE	2019/10/03
2019/08526	PHOTOCATALYTIC REACTOR CELL	2019/12/20
2019/08527	PHOTOCATALYTIC REACTOR HAVING MULTIPLE PHOTOCATALYTIC REACTOR CELLS	2019/12/20
2020/05388	METHODS OF TREATING ULCERATIVE COLITIS	2020/08/28
2020/05454	DEVICE FOR RESUSPENSION OF SOLIDS IN SLURRY PIPE TRANSPORT	2020/09/01
2020/05707	HYDROCYCLONE MONITORING SYSTEM AND METHOD	2020/09/14
2020/05899	MORPHOLINE DERIVATES AS INHIBITORS OF VPS34	2020/09/23
2020/05977	APPARATUS FOR GENERATING AEROSOL FROM AN AEROSOLISABLE MEDIUM, AN ARTICLE OF AEROSOLISABLE MEDIUM AND A METHOD OF DETERMINING A PARAMETER OF AN ARTICLE	2020/09/28
2020/06121	ANTIBODIES FOR CHELATED RADIONUCLIDES	2020/10/02
2020/06216	ANTIBODIES TARGETING GLYCOPROTEIN VI	2020/10/07
2020/06286	WAX COMPOSITION COMPRISING LINEAR HYDROCARBONS,	2020/10/09

Application Number	Patent Title	Filing Date
	BRANCHED HYDROCARBONS AND OXIDIZED HYDROCARBONS, AQUEOUS DISPERSION THEREOF, METHOD TO PRODUCE SUCH WAX COMPOSITION AND DISPERSION AND USE THEREOF AS CARNAUBA WAX REPLACEMENT	
2020/06318	ANTI-DLL3 ANTIBODIES AND USES THEREOF	2020/10/12
2020/06343	ZONE PASSAGE CONTROL IN WORKSITE	2020/10/13
2020/06442	ZONE PASSAGE CONTROL IN WORKSITE	2020/10/16
2020/06963	A SUBSTITUTED OXOPYRIDINE DERIVATIVE	2020/11/09
2020/07060	SOLID FORMULATION OF INSECTICIDAL MIXTURES	2020/11/12
2020/07162	GIP/GLP1 AGONIST COMPOSITIONS	2020/11/17
2020/07275	BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS	2020/11/23
2020/07276	BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS	2020/11/23
2020/07309	NOVEL HETEROARYL-TRIAZOLE AND HETEROARYL-TETRAZOLE COMPOUNDS AS PESTICIDES	2020/11/24
2020/07604	METHODS OF PREPARING PURIFIED ATOMIC QUANTUM CLUSTERS	2020/12/07
2020/07817	INCONTINENCE ARTICLE IN THE FORM OF BRIEFS	2020/12/15
2020/07888	SCREW FOR SCREWING INTO PLASTIC	2020/12/17
2021/00208	HETEROCYCLIC AND HETEROARYL COMPOUNDS FOR TREATING HUNTINGTON'S DISEASE	2021/01/12
2021/00211	AMINO ACID COMPOUNDS WITH UNBRANCHED LINKERS AND METHODS OF USE	2021/01/12
2021/00225	ASSEMBLY AND METHOD FOR INCREASING THE SAFETY OF A PERSON IN THE EVENT OF AN ELECTRICAL ACCIDENT	2021/01/13
2021/00296	METHODS FOR PREDICTING THERAPEUTIC BENEFIT OF ANTI-CD19 THERAPY IN PATIENTS	2021/01/15
2021/00321	ANTI-SIRPα ANTIBODY	2021/01/15
2021/00386	INFLUENZA VIRUS HEMAGGLUTININ MUTANTS	2021/01/19
2021/00391	ROR-1 SPECIFIC CHIMERIC	2021/01/19

Application Number	Patent Title	Filing Date
	ANTIGEN RECEPTORS AND USES THEREOF	
2021/00569	LIDOCAINE-CONTAINING PATCH	2021/01/26
2021/00604	METHODS TO REDUCE COMPLICATIONS OF INTRA-ARTICULAR STEROID	2021/01/27
2021/00619	SYSTEM FOR PREHEATING GLASS MELTING FURNACE BATCH MATERIALS	2021/01/28
2021/00629	SKIN CARE COMPOSITION	2021/01/28
2021/00761	IMPROVEMENTS IN IMMUNOGENIC CONJUGATES	2021/02/03
2021/00860	A DEVICE, AN APPARATUS AND A METHOD FOR DIRECTING BANK NOTES	2021/02/08
2021/00886	EXTRACELLULAR VESICLES FOR INHALATION	2021/02/09
2021/01693	DEVICE AND METHOD FOR HEATING A FLUID IN A PIPELINE	2021/03/12
2021/05017	ENCAPSULATED PESTICIDE	2021/07/16
2021/05495	AN AIR CHUCK	2021/08/03
2021/05831	RECYCLING OF LEAD-CONTAINING WASTE	2021/08/16
2021/08094	MIRIKIZUMAB FOR USE IN A METHOD OF TREATING CROHN'S DISEASE	2021/10/21
2021/08256	A WEDGE-CLIP CONNECTOR ASSEMBLY	2021/10/26
2021/08258	IMPROVED FORMWORK PANEL	2021/10/26
2021/09058	COMPOSITIONS AND METHODS FOR THE STABILIZATION OF MICRO-RNA	2021/11/15
2021/09565	A RETRACTABLE BARRIER	2021/11/25
2021/10481	FLOW CELLS	2021/12/15
2021/10899	PREDICTION SYSTEM	2021/12/23
2022/00164	VALVE SHAFT LOCKING MECHANISM	2022/01/03
2022/00784	ANTI-CD3E/BCMA BISPECIFIC ANTIBODY AND USE THEREOF	2022/01/17
2022/01538	UREA PHOSPHATE CALCIUM SULFATE GRANULES AND METHODS FOR PRODUCING AND USING THE SAME	2022/02/03
2022/01571	POLYVALENT IMMUNOGENICITY COMPOSITION FOR HUMAN PAPILLOMAVIRUS	2022/02/04
2022/01575	APPARATUS, SYSTEM AND METHOD FOR MONITORING A CONDITION	2022/02/04
2022/01721	TOPICAL COMPOSITIONS	2022/02/09
2022/01874	ANTI-HLA-G ANTIBODIES, COMPOSITIONS COMPRISING	2022/02/14

Application Number	Patent Title	Filing Date
	ANTI-HLA-G ANTIBODIES AND METHODS OF USING ANTI-HLA-G ANTIBODIES	
2022/01886	CELL CULTURE METHODS	2022/02/14
2022/01894	METHOD FOR IN VITRO PRODUCTION OF HYALINE CARTILAGE TISSUE	2022/02/14
2022/01895	METHOD FOR SYNTHESIZING 2-((6-(HYDROXYMETHYL)CHROMENE-5-YL)OXY)-1-PHENYLETHANONE DERIVATIVE	2022/02/14
2022/01906	FLOOR PANEL AND FLOOR	2022/02/14
2022/02029	STANDING RIGGING COMPONENT, IN PARTICULAR THE MAST OF A VESSEL, AND THE METHOD OF ITS MANUFACTURE	2022/02/17
2022/02797	ANTI-CD47 AND ANTI-CD20 BASED TREATMENT OF BLOOD CANCER	2022/03/08
2022/02869	METHOD AND ENTITY FOR TRANSMITTING A PLURALITY OF MAC ADDRESSES	2022/03/09
2022/03252	METHOD FOR PRODUCING A CATALYTIC CONVERTER SYSTEM FOR GAS REACTIONS	2022/03/18
2022/03828	AIR-BOOM SPREADER FOR PARTICULATE MATERIAL	2022/04/04
2022/04754	RAS INHIBITORS	2022/04/28
2022/07975	IMAGE ENCODING/DECODING METHOD AND APPARATUS, AND METHOD OF TRANSMITTING BITSTREAM USING SEQUENCE PARAMETER SET INCLUDING INFORMATION ON MAXIMUM NUMBER OF MERGE CANDIDATES	2022/07/18
2022/08318	ROOF FIXING	2022/07/26
2022/09226	NON-NEURONAL SNARE-CLEAVING BOTULINUM NEUROTOXINS	2022/08/17
2022/10111	ANTI-CORONAVIRUS EFFECT AND APPLICATION OF PI4K INHIBITOR	2022/09/12
2022/10301	SHEET FOR THE ASSEMBLY OF A DISPLAY SHELVING UNIT AND THE DISPLAY SHELVING THUS OBTAINED	2022/09/16
2022/10304	PRODUCTION OF SODIUM METAL BY DUAL TEMPERATURE ELECTROLYSIS PROCESSES	2022/09/16
2022/10368	ORE FLOW OPTIMIZATION	2022/09/19
2022/11138	INTEGRATED CROSS-PLATFORM ACCOUNT MANAGEMENT	2022/10/11
2022/11236	PROCESS FOR THE REMOVAL OF HEAVY METALS FROM A PHOSPHORIC ACID CONTAINING	2022/10/13

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	COMPOSITION USING AN IONIC POLYMERIC SURFACTANT AND USE OF SAID SURFACTANT IN THE PRECIPITATION OF HEAVY METALS IN A PHOSPHORIC ACID CONTAINING COMPOSITION	
2022/11243	ACNE CONTROL FORMULATIONS	2022/10/13
2022/11464	TETRAHYDROISOQUINOLINE COMPOUNDS AS NRF2 ACTIVATORS	2022/10/19
2022/13146	GRAPE SKIN COMPOSITIONS AND COMPOUNDS, AND METHODS OF PREPARATION AND USE THEREFOR	2022/12/05
2022/13417	ADDING AUDIO CONTENT TO DIGITAL WORKS	2022/12/12
2022/13857	NASAL HYGIENE COMPOSITIONS, ANTIMICROBIAL TREATMENTS, DEVICES, AND ARTICLES FOR DELIVERY OF SAME TO THE NOSE, TRACHEA AND MAIN BRONCHI	2022/12/21
2023/00493	ANTIVIRAL USE OF LIRAGLUTIDE AND GEFITINIB	2023/01/11
2023/00858	A STRUCTURED CATALYST	2023/01/19
2023/00862	FLT3 LIGAND FUSION PROTEINS AND METHODS OF USE	2023/01/19
2023/01052	PROCESSES FOR PREPARING C2 TO C3 HYDROCARBONS	2023/01/24
2023/01089	PROCESS FOR PRODUCING A GAS STREAM COMPRISING CARBON MONOXIDE	2023/01/25
2023/01141	FILMS FOR AGRICULTURAL STRUCTURES	2023/01/27
2023/01222	GRANULATED EXPLOSIVE BASED ON A WATER-IN-OIL EMULSION, AND PRODUCTION AND USE THEREOF	2023/01/30
2023/01228	MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR	2023/01/30
2023/01265	COMPOSITION USED AS A MOOD-REGULATING STIMULANT	2023/01/31
2023/01378	SOLID FORM OF COMPOUND	2023/02/02
2023/01862	AGRICULTURAL SPRAYER AND METHOD FOR OPERATING AN AGRICULTURAL SPRAYER	2023/02/15
2023/02392	ANTIBODIES AGAINST ILT2 AND USE THEREOF	2023/02/23
2023/03251	COMBINATION TREATMENT OF INDUCED PLURIPOTENT STEM CELLS USING INTERLEUKINS	2023/03/01
2023/03996	GAS DETECTION SYSTEM AND	2023/03/30

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	METHOD	
2023/04935	AN AEROSOL-FORMING SUBSTRATE	2023/05/03
2023/06739	SOLID TABLET DOSAGE FORM OF RIDINILAZOLE	2023/06/30
2023/07056	A NICOTINE DELIVERY DEVICE	2023/07/13
2023/07057	MIST INHALER DEVICES	2023/07/13
2023/07146	IMMUNOCYTOKINES AND USES THEREOF	2023/07/17
2023/07175	RANGE ESTIMATION SYSTEM AND METHOD	2023/07/18
2023/07205	A MINE PROP	2023/07/19
2023/07325	A VALVE	2023/07/24
2023/07437	A PROCESS FOR RECOVERING UNCONTAMINATED OIL FROM EMULSIONS	2023/07/26
2023/07438	MINING CONVEYANCE, GUIDE ROLLER ASSEMBLY AND BUFFER	2023/07/26
2023/07439	BUFFER	2023/07/26
2023/07527	LED LUMINAIRE	2023/07/28
2023/07578	ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM	2023/07/31
2023/07744	METHOD AND SYSTEM FOR CONTROLLING PRODUCTION AND STORAGE OF INDUSTRIAL GASES	2023/08/07
2023/08368	RETENTION SYSTEM FOR A WEAR PART FOR A BUCKET FOR AN EARTH MOVING MACHINE	2023/08/30
2023/08531	GLOBAL ADDRESS SYSTEM AND METHOD	2023/09/05
2023/08794	NEGATIVE PRESSURE WOUND THERAPY DEVICES	2023/09/15
2023/08888	AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS	2023/09/20
2023/08889	AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS	2023/09/20
2023/08986	MULTI-LAYER AMNIOTIC TISSUE GRAFTS AND USES THEREOF	2023/09/22
2023/09059	WHEEL ASSEMBLY INCLUDING INBOARD SIDE OUTER RIM COUPLED RING DEFINING A MECHANICAL STOP AND RELATED METHODS	2023/09/26
2023/09077	DRILLING MONITORING SYSTEM	2023/09/27
2023/09121	COMPOSITIONS AND METHODS FOR AN ORAL SUPPLEMENT TO ORAL MINOXIDIL FOR THE TREATMENT OF ALOPECIA	2023/09/27
2023/09176	RELIABLE IDENTIFICATION OF REGIONS ('A-SITES') IN	2023/09/29

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	COMPLEX RNA MOLECULES THAT ARE ACCESSIBLE TO NUCLEIC ACIDS OR COMPLEXES OF NUCLEIC ACIDS WITH ENDONUCLEASES	
2023/09493	HIGH PRESSURE GRINDING ROLL	2023/10/11
2023/09609	CANISTER STATUS DETERMINATION FOR NEGATIVE PRESSURE WOUND THERAPY DEVICES	2023/10/13
2023/09632	A TARGET SPECIFIC EXOSOME BASED DELIVERY VEHICLE AND A BIO-FORMULATION TO OBTAIN THE SAME	2023/10/16
2023/09854	METHODS AND APPARATUSES FOR SMALL DATA TRANSMISSIONS IN INACTIVE STATE	2023/10/23
2023/09922	CYCLIC PEPTIDE-N-ACETYLGALACTOSAMINE (GALNAC) CONJUGATES FOR DRUG DELIVERY TO LIVER CELLS	2023/10/24
2023/09927	HAIR TREATMENT COMPOSITIONS AND METHODS OF USE	2023/10/24
2023/10248	AN ELECTRIC LOAD NETWORK AND METHOD FOR ADJUSTING AN OPERATION FREQUENCY OF AN ELECTRICITY GRID IN REAL TIME	2023/11/02
2023/10249	A TANK FOR HEAT DISSIPATION AND A COOLING SYSTEM INCLUDING THE SAME	2023/11/02
2023/10297	METHOD FOR CARRYING OUT A CHEMICAL REACTION AND REACTOR ARRANGEMENT	2023/11/03
2023/10402	METHODS, ACCESS NODE AND NETWORK NODE FOR ADDRESSING AMBIGUITIES IN ANGLE OF ARRIVAL ESTIMATION	2023/11/08
2023/10418	CARBONATION MACHINE WITH ROTATABLE CARBONATION HEAD	2023/11/08
2023/10593	INTEGRATION OF HIGH FREQUENCY AUDIO RECONSTRUCTION TECHNIQUES	2023/11/15
2023/10885	IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS	2023/11/24
2023/10999	POINT ANCHORED ROCK BOLT	2023/11/29
2023/11099	A PROCESS FOR THE ISOLATION AND CULTURE OF STRAINS, THE STRAINS, USE THEREOF, MEDIA FOR CULTURING THEREOF AND A FORM OF SCYTONEMIN	2023/11/30
2023/11291	EGFR INHIBITOR FOR THE	2023/12/07

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	TREATMENT OF HEAD AND NECK CANCER	
2023/11366	MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF	2023/12/11
2023/11457	IMPROVED BIOTECHNOLOGICAL METHOD FOR PRODUCING GUANIDINO ACETIC ACID (GAA) BY INACTIVATION OF AN AMINO ACID EXPORTER	2023/12/13
2023/11566	APPARATUS AND METHOD FOR DETECTING HOLIDAYS IN LINERS	2023/12/18
2023/11650	AN ELECTRICAL SOCKET ASSEMBLY	2023/12/19
2023/11651	AN ELECTRICAL SOCKET ASSEMBLY WITH AN IMPROVED CONTACT ELEMENT	2023/12/19
2024/00397	LIQUID TREATMENT METHOD AND APPARATUS	2024/01/11
2024/00400	A STABLE BLEACH COMPOSITION	2024/01/11
2024/00406	COATINGS, FORMULATIONS, USES AND COATING METHODS	2024/01/11
2024/00448	FAULT DETECTION FOR SECONDARY STEERING SYSTEM	2024/01/12
2024/00453	METHOD FOR PRODUCING MANGANESE-BASED ALLOY AND APPARATUS FOR PRODUCING THE SAME	2024/01/12
2024/00457	MICROORGANISM HAVING WEAKENED ACTIVITY OF LACI FAMILY DNA-BINDING TRANSCRIPTIONAL REGULATOR, AND L-GLUTAMIC ACID PRODUCTION METHOD USING SAME	2024/01/12
2024/00460	FATIGUE EVALUATION IN FIBRE SAMPLE	2024/01/12
2024/00496	COMPOSITION	2024/01/15
2024/00525	HOIST SYSTEM COUNTERBALANCE VALVE SIGNAL SHUTOFF	2024/01/16
2024/00540	A HYGIENE COMPOSITION FOR REDUCTION OF MALODOUR	2024/01/16
2024/00541	PARTICLE GENERATING APPARATUS	2024/01/16
2024/00585	HYDROELECTRIC ENERGY STORAGE SYSTEM	2024/01/17
2024/00586	ELECTRONIC DEVICE COMPRISING DISPLAY SUPPORT STRUCTURE	2024/01/17
2024/00591	A PHOTOPROTECTIVE PERSONAL CARE COMPOSITION	2024/01/17
2024/00627	DREDGING CONSTRUCTION METHOD FOR HARBOR BASIN	2024/01/18

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	CHANNEL CONTAINING HYDROGEN SULFIDE SOIL	
2024/00628	STEEL PIPE PILE SINKING DEVICE AND CONSTRUCTION METHOD THEREOF	2024/01/18
2024/00629	STEEL SHEET PILE CONSTRUCTION METHOD	2024/01/18
2024/00630	ANTI-COLLISION BUFFER PROTECTION DEVICE FOR WHARF	2024/01/18
2024/00631	GARBAGE DRYING AND INCINERATION DEVICE	2024/01/18
2024/00632	PILE FOUNDATION CONSTRUCTION DEVICE	2024/01/18
2024/00633	FOUNDATION PIT OF GARBAGE BIN	2024/01/18
2024/00634	DOCKING SYSTEM FOR DOCK CONTAINER TRANSPORTATION	2024/01/18
2024/00635	WELDING DEVICE FOR SITE CONSTRUCTION OF STEEL PIPE PILE	2024/01/18
2024/00636	FENDER STRUCTURE	2024/01/18
2024/00637	GROUTING DEVICE FOR BRIDGE CONSTRUCTION	2024/01/18
2024/00638	SINGLE STEEL STRUCTURE IN REAR PORTION OF CONTAINER TERMINAL AND MOUNTING METHOD THEREOF	2024/01/18
2024/00639	CAST-IN-PLACE PILE CONSTRUCTION DEVICE	2024/01/18
2024/00640	ABUTMENT STRUCTURE AND CONSTRUCTION METHOD	2024/01/18
2024/00641	CONCRETE MIXING DEVICE	2024/01/18
2024/00667	UPLINK CONTROL INFORMATION	2019/04/04
2024/00679	DIMETHYL-SUBSTITUTED THIAZOLOLACTAM COMPOUND AND USE THEREOF	2024/01/19
2024/00682	STRENGTH ENHANCING ADMIXTURE FOR LOW-CARBON CEMENTITIOUS COMPOSITIONS	2024/01/19
2024/00744	EMULSION ANTIPERSPIRANT COMPOSITIONS	2024/01/22
2024/00747	ENVIRONMENTAL-FRIENDLY PROCESS FOR THE TREATMENT OF WASTEWATER	2024/01/22
2024/00749	THREE-DIMENSIONAL MICROCRYSTALLINE GLASS AND PREPARATION METHOD THEREFOR	2024/01/22
2024/00750	OBSERVING DEVICE COMPRISING INDEPENDENT OPTICAL AND OPTRONIC CHANNELS AND VEHICLE EQUIPPED WITH SUCH A DEVICE	2024/01/22

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2024/00785	TYPE II UNMODIFIED CELLULOSE MICROFIBERS, AND METHOD FOR MANUFACTURING TYPE II UNMODIFIED CELLULOSE MICROFIBERS AND COMPACT OF SAME	2024/01/23
2024/00788	ANTI-NECTIN4 ANTIBODIES AND MULTI-SPECIFIC PROTEIN COMPLEXES COMPRISING SUCH	2024/01/23
2024/00791	A HYGIENE COMPOSITION FOR REDUCING MALODOUR	2024/01/23
2024/00792	MICROORGANISMS AND METHODS FOR IMPROVED BIOLOGICAL PRODUCTION OF ETHYLENE GLYCOL	2024/01/23
2024/00795	NITROSAMINE IMPURITY, VARENICLINE PHARMACEUTICAL COMPOSITION CAPABLE OF REDUCING GENERATION OF NITROSAMINE IMPURITIES AND PREPARATION AND USE THEREOF	2024/01/23
2024/00815	REPLACEABLE WEAR PLATE	2024/01/24
2024/00821	INHIBITORS OF TRANSGLUTAMINASES	2024/01/24
2024/00823	INHIBITORS OF TRANSGLUTAMINASES	2024/01/24
2024/00826	METHOD FOR PREVENTING DEFORMATION OF RESIN-MADE AGROCHEMICAL CONTAINER	2024/01/24
2024/00860	METHOD	2024/01/25
2024/00902	FLUSHING APPARATUS AND METHOD	2024/01/26
2024/00914	CLOSURE FOR CONTAINERS WITH EVIDENCE OF FIRST OPENING	2024/01/26
2024/00915	PHARMACEUTICAL COMPOSITION AND USE THEREOF	2024/01/26
2024/00929	DUAL FUNCTION WATER HEATER AND AIR-CONDITIONING UNIT	2024/01/26
2024/00983	POLYMER PROTEIN MICROPARTICLES	2024/01/30
2024/00998	AXIAL PISTON PUMP MOUNTING FLANGE CONFIGURATION	2024/01/30
2024/01012	ANNULAR CATALYST CARRIER CONTAINER FOR USE IN A TUBULAR REACTOR	2024/01/31
2024/01034	PRODUCTION OF SEMISOLID SLURRY WITH TWO OR MORE STIRRING DEVICES	2024/01/31
2024/01035	TREATMENT OF AGING FRAILTY COMPRISING ADMINISTERING BONE MARROW DERIVED MESENCHYMAL STEM CELLS	2024/01/31

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2024/01036	SWITCHING DEVICE FOR CONDUCTING HIGH CONTINUOUS CURRENTS AND VERY HIGH SHORT-CIRCUIT CURRENTS	2024/01/31
2024/01037	DETERGENT COMPOSITION	2024/01/31
2024/01070	DISPENSER AND METHOD OF USE THEREOF	2024/02/01
2024/01081	ELECTRONIC APPARATUS HAVING VARIABLE DISPLAY AREA AND OPERATION METHOD THEREFOR	2024/02/01
2024/01082	REAGENT FOR MEASURING ?-GLUCAN, METHOD FOR PRODUCING SAME AND USE THEREOF	2024/02/01
2024/01083	LIFT DRIVE SYSTEM FOR ENERGY STORAGE AND DELIVERY SYSTEM	2024/02/01
2024/01093	AGROCHEMICAL COMBINATION, APPLICATION METHOD AND USE THEREOF	2024/02/02
2024/01094	COMPOUNDS THAT INHIBIT PI3K ISOFORM ALPHA AND METHODS FOR TREATING CANCER	2024/02/02
2024/01146	DETERGENT COMPOSITION	2024/02/05
2024/01147	DETERGENT COMPOSITION	2024/02/05
2024/01148	DETERGENT COMPOSITION	2024/02/05
2024/01149	PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE	2024/02/05
2024/01150	DETERGENT COMPOSITION	2024/02/05
2024/01151	PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE	2024/02/05
2024/01152	A RECYCLABLE ARTICLE FOR PACKAGING	2024/02/05
2024/01167	PROCESS FOR RECLAMATION OF POLYESTER BY REACTOR ADDITION	2024/02/06
2024/01197	MULTI-SPEED REAR DRIVE FOR A BICYCLE	2024/02/07
2024/01204	WORK MACHINE GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD	2024/02/07
2024/01206	SYSTEM AND COMPUTER-IMPLEMENTED METHOD FOR DETERMINING WEAR LEVELS OF A GROUND ENGAGING TOOL OF A WORK MACHINE INDICATIVE OF A TOOL REPLACEMENT CONDITION	2024/02/07
2024/01246	NOVEL DERIVATIVES OF NON-CODED AMINO ACIDS AND THEIR USE AS HERBICIDES	2024/02/08
2024/01251	COATED FERTILIZER GRANULES	2024/02/09

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2024/01265	PROGESTOGEN-ONLY ORAL CONTRACEPTION	2024/02/09
2024/01266	ELECTRODE FOR THE ELECTROLYTIC EVOLUTION OF HYDROGEN	2024/02/09
2024/01271	ELECTROLYSER FRAME DESIGN	2024/02/09
2024/01297	ANTI-TIGIT ANTIBODIES AND METHODS OF USE	2024/02/12
2024/01314	APPARATUS FOR CONVEYING HORTICULTURAL PRODUCTS	2024/02/12
2024/01319	HEPATITIS B VIRUS (HBV) KNOCKOUTS	2024/02/12
2024/01320	MOULD FOR CASTING MOLTEN METAL COMPRISING A COUPLING MECHANISM FOR A SHROUD, CASTING INSTALLATION FOR CASTING A MOLTEN METAL AND METHOD FOR CASTING A MOLTEN METAL	2024/02/12
2024/01321	ANTI-CD161 ANTIBODIES AND USES THEREOF	2024/02/12
2024/01324	TYROSINE KINASE INHIBITORS	2024/02/13
2024/01331	PUMP CONFIGURATION INCLUDING A PURGE VALVE	2024/02/13
2024/01332	MAGNETIC MATERIAL FILLED PRINTED CIRCUIT BOARDS AND PRINTED CIRCUIT BOARD STATORS	2024/02/13
2024/01333	LOW-LOSS PLANAR WINDING CONFIGURATIONS FOR AN AXIAL FLUX MACHINE	2024/02/13
2024/01376	METHOD FOR RESONANCE ANALYSIS OF A VIBRATING MACHINE	2024/02/14
2024/01378	AN ALKALINE HARD SURFACE CLEANING COMPOSITION	2024/02/14
2024/01815	VEHICLE MONITORING SYSTEM	2024/03/01
2024/01832	LEVELLER CALIBRATION DEVICE	2024/03/04
2024/01833	PROCESS FOR MANUFACTURING A STEEL STRIP FOR ELECTRICAL APPLICATIONS AND ASSOCIATED APPARATUS	2024/03/04
2024/02617	THREE CLUSTER GALACTOSE TYPE COMPOUND, CONJUGATE, MAKING METHOD AND USE THEREOF	2024/04/04
2024/02878	RAS INHIBITORS	2024/04/12
2024/03317	HYBRID JOINT ASSEMBLY	2024/04/29
2024/03530	METHOD FOR PREPARING L-GLUFOSINATE	2024/05/08
2024/03650	CATALYTIC MATERIAL FOR DESULFURIZATION AND	2024/05/13

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	DENITRATION, AND PREPARATION METHOD AND APPLICATION THEREOF	
2024/04023	METHOD FOR RECOVERING PLATINUM FROM PLATINUM/ALUMINIA CATALYST, AND LEACH-ING SYSTEM FOR PLATNUM	2024/05/23
2024/04104	A KIND OF ONE-PIECE OIL FILM BEARING FOR SPITTING MACHINE	2024/05/27
2024/04560	PROCESSING METHOD, COMMUNICATION DEVICE AND STORAGE MEDIUM	2024/06/12
2024/05288	OPTIMIZING AUDIO DELIVERY FOR VIRTUAL REALITY APPLICATIONS	2024/07/08
2024/05290	OPTIMIZING AUDIO DELIVERY FOR VIRTUAL REALITY APPLICATIONS	2024/07/08
2024/05481	FLEXIBLE HINGE PLATE FOR SKULL RECONSTRUCTION	2024/07/15
2024/05587	NOVEL ANTI-A2AP ANTIBODIES AND USES THEREOF	2024/07/18
2024/05932	A FILTER FOR SEPARATING PARTICLES FROM A COOLING LIQUID IN A NUCLEAR POWER PLANT, A FILTER ARRANGEMENT AND A FUEL ASSEMBLY	2024/07/31
2024/05934	COLD ATMOSPHERIC PLASMA GENERATOR AND RESPIRATORY EQUIPMENT FOR THE STIMULATION OF CELLULAR REGENERATION FOR LIVING BEINGS	2024/07/31
2024/06103	ORTHOPEDIC SPRING HINGE SYSTEMS AND METHODS	2024/08/08
2024/06129	KRAS MODULATORS AND USES THEREOF	2024/08/08
2024/06133	USE OF LACTIC ACID IN PRODUCT FOR REGULATING AND PROMOTING TISSUE GROWTH	2024/08/08
2024/06156	MODULAR BRACKETS FOR BRICKLAYING PROFILE INSTALLATION	2024/08/12
2024/06171	COMPOSITION	2024/08/12
2024/06239	SECURE REMOTE OPERATION OF A WEAPONS SYSTEM	2024/08/14
2024/06265	SHOE UPPER AND SHOE HAVING THE SAME	2024/08/15
2024/06304	MOBILE DUST EXTRACTION DEVICE	2024/08/16
2024/06357	COMPOSITIONS AND METHODS FOR DEPLETION OF DISEASED HEMATOPOIETIC STEM CELLS	2024/08/19

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2024/06376	SWIVELING FISHING ROD HOLDER ASSEMBLY	2024/08/20
2024/06390	COMPOUNDS AND THEIR USE IN TREATING CANCER	2024/08/20
2024/06459	PYRIDO[1,2-A]PYRIMIDIN-4-ONE DERIVATIVES	2024/08/22
2024/06477	USE OF EXOSOME MIRNA-365A-5P AS MOLECULAR MARKER	2024/08/23
2024/06493	METHOD FOR MANUFACTURING A STROP	2024/08/23
2024/06497	COSMETIC COMPOSITION	2024/08/23
2024/06504	DIPEPTIDYL PEPTIDASE 1 INHIBITOR POLYMORPH, PREPARATION METHOD AND USE THEREFOR	2024/08/23
2024/06585	A BUILDING ELEMENT	2024/08/27
2024/06615	A tow bar assembly	2024/08/28
2024/06616	A CARRIER ASSEMBLY AND A PIVOTING APPARATUS OF A MATERIAL HANDLING SYSTEM	2022/03/22
2024/06651	PHARMACEUTICAL COMPOSITION COMPRISING ANTI-CTLA4-ANTI-PD-1 BISPECIFIC ANTIBODY AND CHIAURANIB	2024/08/28
2024/06672	Support assembly for a winch	2024/08/29
2024/06678	A Banking Method and System with a Security Enhancement	2024/08/29
2024/06729	IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS	2024/08/30
2024/06730	TOWER HOIST, PLATFORM AND DAVIT SYSTEM	2024/08/30
2024/06760	INJECTABLE DEPOT FORMULATION COMPRISING CARIPRAZINE FREE BASE PARTICLES	2024/09/02
2024/06790	MEMBRANE WITH A REDUCTION IN A DIMENSIONAL PROPERTY	2024/09/03
2024/06809	ANTI-TAMPER WATER METER ENCLOSURE AND METHOD OF INSTALLING SAME	2024/09/04
2024/06840	INFORMATION PRESENTATION DEVICE, INFORMATION PRESENTATION SYSTEM, INFORMATION PRESENTATION METHOD, AND PROGRAM	2024/09/05
2024/06841	DRIVING EVALUATION DEVICE, DRIVING EVALUATION SYSTEM, DRIVING EVALUATION METHOD, AND PROGRAM	2024/09/05
2024/06892	PEPTIDE HAVING ANTIDIABETIC ACTIVITY, PEPTIDE COMPLEX, AND USE THEREOF	2024/09/06
2024/06911	GLOBAL ORDER MANAGEMENT	2024/09/09

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	AND PROCESSING SYSTEM AND METHOD THEREOF	
2024/06920	FOOD PRODUCTS FROM ROOT VEGETABLES	2024/09/09
2024/06946	SEPARATOR WHEEL WITH HYBRID SEPARATOR WHEEL VANES FOR WEAR PROTECTION PURPOSES	2024/09/10
2024/06947	EQUITABLE ECONOMIC TRANSFORMATION: A SYSTEM AND METHOD TO CATALYSE AN ECONOMY THROUGH SHARED VALUE FINANCE AND SHARED VALUE CREATION	2024/09/10
2024/06948	SHIELD CUTTERHEAD FOR SHIELD TUNNELING MACHINE AND SHIELD CONSTRUCTION METHOD	2024/09/10
2024/07020	A DUAL PERISTALTIC PUMP	2024/09/12
2024/07030	AN ELECTROCHEMICAL PROCESS FOR RECOVERING PLATINUM GROUP METALS (PGMS) FROM SOLID RESIDUES	2024/09/12
2024/07040	CRISPR-CAS13 SYSTEM AND USE THEREOF	2024/09/12
2024/07099	NON-PLASTIC PAPER-BASED HEAT TRANSFER FILM WITH SLOW WATER-ABSORBING LAYER AND PREPARATION METHOD THEREOF	2024/09/16
2024/07147	MOVEMENT CONTROL DEVICE WITH DOUBLE BALANCING	2024/09/18
2024/07156	IMIDAZOPYRIDAZINE DERIVATIVE, AND PREPARATION METHOD THEREFOR, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF	2024/09/18
2024/07182	HUMAN INTERLEUKIN-2-DERIVED MUTEINS WITH SUPERAGONIST ACTIVITY	2024/09/19
2024/07183	PEPTIDIC WATER-SOLUBLE DELIVERY SYSTEM OF ANTICANCER DRUGS	2024/09/19
2024/07204	A PROFILE ADAPTER FOR A SECTIONAL DOOR PANEL	2024/09/20
2024/07243	A HIGH-ENTROPY METAL PHOSPHATE AND PREPARATION METHOD THEREOF	2024/09/23
2024/07277	MECHANICAL POSITION INDICATOR AND ACTUATOR OF AUTOMATION TECHNOLOGY	2024/09/25
2024/07278	ENVIRONMENTALLY FRIENDLY BIOCHAR-BASED SAND SOIL AMENDMENT AND PREPARATION METHOD	2024/09/25

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2024/07279	COMPRESSION DEVICE FOR INTERVENTIONAL THERAPY	2024/09/25
2024/07280	MASSAGE DEVICE FOR KNEE OSTEOARTHRITIS	2024/09/25
2024/07288	P2X3 INHIBITOR COMPOUND, SALT THEREOF, POLYMORPH THEREOF AND USE THEREOF	2024/09/25
2024/07323	DISTRIBUTED OPTICAL FIBER SENSING MONITORING SYSTEM	2024/09/26
2024/07326	UAV SUSPENDED SOIL AND WATER CONSERVATION SPRAYING DEVICE AND ITS USE METHOD	2024/09/26
2024/07328	A DYNAMICALLY GENERATIVE PERSONALIZED ADVERTISING SYSTEM USING HISTORICAL USER DATA AND VECTOR-BASED SIMILARITY ANALYSIS	2024/09/26
2024/07329	A COGNITIVE REVIEW AND SECURITY ASSURANCE SYSTEM	2024/09/26
2024/07330	WATER TANK STRUCTURE OF REINFORCED WATER SUPPLY EQUIPMENT	2024/09/26
2024/07333	A THRESHOLD BASED REINFORCEMENT LEARNING SYSTEM FOR ROUTING IN WIRELESS SENSOR NETWORKS	2024/09/26
2024/07334	IOT BASED AUTOMATED MACHINE LEARNING OPERATIONS WITH XAI	2024/09/26
2024/07335	AN OFFLINE SYSTEM FOR NEXT-GEN ROBOTICS	2024/09/26
2024/07350	APPARATUS AND SYSTEM FOR GENERATING THERMAL ENERGY USING CONCENTRATED SOLAR POWER	2024/09/26
2024/07360	EQUIPMENT FOR REMOVING IMPURITIES AND RECYCLING RESIDUAL FILMS IN COTTON FIELDS	2024/09/27
2024/07361	ULTRA-LIGHTWEIGHT AND HIGH ELASTIC FIRMIANA SIMPLEX BARK MICROFIBER AEROGELS FOR AIR POLLUTION MITIGATION	2024/09/27
2024/07366	AN IOT BASED URBAN WASTE MANAGEMENT SYSTEM FOR SUSTAINABLE NATION	2024/09/27
2024/07367	AN EMOTION PREDICTION SYSTEM WITH CNN-RESNET	2024/09/27
2024/07368	AN IOT BASED SYSTEM TO ENHANCE ACCESSIBILITY FOR VISUALLY IMPAIRED	2024/09/27
2024/07369	AN IOT BASED SYSTEM FOR GREEN CITY MANAGEMENT	2024/09/27

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	TOWARDS SUSTAINABLE NATION	
2024/07370	AN AI-DRIVEN DEMAND FORECASTING SYSTEM FOR RENEWABLE ENERGY INTEGRATION	2024/09/27
2024/07371	AN IOT-BASED LIVESTOCK IDENTIFICATION AND CATEGORIZATION SYSTEM USING MACHINE LEARNING AND IMAGE PROCESSING	2024/09/27
2024/07372	INDUSTRY 4.0 BASED CREDIBILITY SCORE CALCULATION SYSTEM FOR GOVERNMENT CONTRACTS	2024/09/27
2024/07417	GRASSLAND SOIL SALINIZATION AND ALKALIZATION TREATMENT DEVICE AND METHOD	2024/09/30
2024/07422	AN INPUT-INDEPENDENT IOT-BASED INTELLIGENT AUTO-VISUALIZER SYSTEM	2024/09/30
2024/07424	A SEMI AUTOMATED SYSTEM TO HELP IS AUDITORS	2024/09/30
2024/07426	A DYNAMIC RATE LIMITER SYSTEM FOR BILLBOARD HUB	2024/09/30
2024/07430	AN AI AND ML BASED SMART DRONE FOR EMERGENCY MEDICAL DELIVERY SYSTEM	2024/09/30
2024/07431	A PLAYZONE SLOT BOOKING AUTOMATION AND SECURITY SYSTEM	2024/09/30
2024/07432	A MACHINE LEARNING BASED ADVANCED PREDICTIVE SYSTEM FOR CROP HARVESTING	2024/09/30
2024/07433	AN IOT-BASED AUTISM SPECTRUM DISORDER DETECTION AND INTERPRETATION SYSTEM	2024/09/30
2024/07434	A COMPREHENSIVE ACCESSIBILITY SYSTEM FOR DIVERSE USER NEEDS	2024/09/30
2024/07436	AN AUTOMATED SOCIAL MEDIA COMMENT REPLIER SYSTEM USING SENTIMENT ANALYSIS AND LARGE LANGUAGE MODEL	2024/09/30
2024/07437	AN AI-DRIVEN CONTROLLER SYSTEM FOR ENHANCED PERFORMANCE, EFFICIENCY, AND SAFETY	2024/09/30
2024/07439	AN AI-DRIVEN HEALTH RECOMMENDATION SYSTEM	2024/09/30
2024/07441	AN AI-DRIVEN BATTERY MANAGEMENT SYSTEM	2024/09/30
2024/07442	AN ANOMALY DETECTION SYSTEM IN SIGNAL AND VISUALIZATION	2024/09/30

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2024/07443	AN AI BASED PENALTY SYSTEM FOR TRAFFIC RULES VIOLATION	2024/09/30
2024/07444	AN AI BASED PERSONAL SAFETY AND HEALTH MONITORING SYSTEM	2024/09/30
2024/07447	POSTPARTUM PELVIC FLOOR MUSCLE CONTRACTION REHABILITATION TRAINING DEVICE	2024/09/30
2024/07449	METHOD OF EXTRATING FLAVONES FROM BAMBOO LEAVES AND APPLICATIONS THEREOF	2024/09/30
2024/07450	MICROELECTROMECHANICAL COUPLING DEVICE	2024/09/30
2024/07463	SPIROBICYCLIC COMPOUNDS	2024/09/30
2024/07472	SYSTEM, DEVICE AND METHOD FOR PLANT IDENTIFICATION AND SPRAY CONTROL	2024/09/30
2024/07481	AN IOT-BASED PERSONALISED DIET AND CYCLE TRACKING SYSTEM	2024/10/01
2024/07484	SOLUBILIZER FOR VARIOUS MIXTURES	2024/09/30
2024/07487	ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPES, AND ENDOSCOPY SYSTEM COMPRISING SAID GUIDE	2024/10/01
2024/07488	MAGNETIC HANDPIECE FOR AN ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPES, AND ENDOSCOPY SYSTEM COMPRISING SAID HANDPIECE	2024/10/01
2024/07490	LOCATOR FOR SURVEY APPARATUS	2024/10/01
2024/07512	CLOSED CELL SEPARATION OPERATION APPARATUS	2024/10/02
2024/07614	ENERGY STORAGE BATTERY MODULE STRENGTH DETECTION DEVICE	2024/10/08
2024/07617	A FASTENING ASSEMBLY, A CROSS BAR COMPRISING THE FASTENING ASSEMBLY, AND A METHOD OF MOUNTING THE CROSS BAR AND THE FASTENING ASSEMBLY TO A TRUCK BED	2024/10/08
2024/07643	FIRE SUPPRESSION SPRINKLER AND DEFLECTOR	2024/10/09
2024/07652	BOTTOM VISUALIZATION DEVICE FOR INCINERATION WASTE GAS TREATMENT EQUIPMENT IN COKE	2024/10/09

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	INDUSTRY	
2024/07673	METHOD AND COMPOSITION OF SYNERGISTIC HERBICIDAL MIXTURES	2024/10/09
2024/07682	APPLICATION OF PENTOSE PHOSPHATE PATHWAY INHIBITORS IN PREPARING MEDICINES FOR TREATING NONALCOHOLIC STEATOHEPATITIS	2024/10/10
2024/07687	METHOD AND SYSTEM OF ENERGY-SAVING CONTROL OF PHOTOVOLTAIC POWER STATIONS BASED ON MULTI-DIMENSIONALITY	2024/10/10
2024/07691	CELL DIFFERENTIATION	2024/10/10
2024/07703	FEEDING MACHINE FOR PREYING ON STINK BUGS	2024/10/11
2024/07704	MOUNTING STRUCTURE FOR THE PROBE OF A COAL-ROCK INSTABILITY FRACTURE MONITORING AND EARLY WARNING DEVICE	2024/10/11
2024/07705	COAL-ROCK FRACTURE SEEPAGE WATER INFRARED RADIATION PROBE	2024/10/11
2024/07709	AUXILIARY PLANTING DEVICE FOR LANDSCAPES AND GARDENS	2024/10/11
2024/07717	A LIGHTWEIGHT CONSTRUCTION ELEMENT	2024/10/11
2024/07723	METHOD FOR SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2) DETECTION ON BASIS OF RECEPTOR BINDING	2024/10/11
2024/07728	HOSPITAL MEDICATION MANAGEMENT SYSTEM	2024/10/11
2024/07748	TEACHING TABLE WITH VARIABLE DESKTOP AREA	2024/10/14
2024/07751	MEDICAL EQUIPMENT CLEANING DEVICE	2024/10/14
2024/07752	A GALENA ORE COMBINATION INHIBITOR AND ITS APPLICATION THEREOF	2024/10/14
2024/07764	METHOD FOR DETERMINING SENSITIVITY OF NASOPHARYNGEAL CARCINOMA TO RADIOTHERAPY	2024/10/14
2024/07765	EXERCISE SUPPORT METHOD FOR NASOPHARYNGEAL CARCINOMA PATIENTS DURING RADIOTHERAPY	2024/10/14
2024/07766	RECTAL SURGERY CLEANING DEVICE	2024/10/14

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2024/07768	PHARMACEUTICAL COMPOSITIONS CONTAINING ANTI-HER2 ANTIBODY FOR SUBCUTANEOUS ADMINISTRATION	2024/10/14
2024/07786	AUTOMATIC PAGE-TURNING MUSIC STAND	2024/10/15
2024/07792	A SLEEP STATE MONITORING DEVICE	2024/10/15
2024/07793	A BRONCHOSCOPIC BIOPSY DEVICE FOR PERIPHERAL PULMONARY LESIONS	2024/10/15
2024/07794	A SHAFTLESS FLOATING DRUM MIXER BASED ON PNEUMATIC STIRRING	2024/10/15
2024/07796	FENCING ASSEMBLY WITH STIFFENING ELEMENT	2024/10/15
2024/07800	MULTI-ROTOR WING AUTOMATIC CONTROL UNMANNED AERIAL VEHICLE SYSTEM	2024/10/15
2024/07802	ALTERNATING-POLE VERNIER PERMANENT MAGNET MACHINE	2024/10/15
2024/07808	SULPHURIZED METHOD FOR REMOVING MERCURY FROM PYROMETALLURGICAL FLUE GAS	2024/10/15
2024/07809	MEASURING DEVICE FOR FATIGUE LIFE OF REFRACTORY-METAL ELASTIC ELEMENT	2024/10/15
2024/07821	A MULTI-STAGE ADSORPTION RECOVERY METHOD FOR ORGANIC GAS BY BIO-NANO COMPOSITE ACTIVATED CARBON	2024/10/15
2024/07822	ROLL-ON APPLICATOR BALL	2024/10/11
2024/07828	FILTER SLEEVE FOR A LIQUID FILTER ELEMENT	2024/10/16
2024/07831	A METHOD AND SYSTEM FOR ANALYZING CROSSTALK NOISE IN COUPLED ON-CHIP INTERCONNECTS	2024/10/16
2024/07832	CLASSIFICATION METHOD AND SYSTEM FOR GNATHIC FIBROUS DYSPLASIA AND OSSIFYING FIBROMA	2024/10/16
2024/07832	CLASSIFICATION METHOD AND SYSTEM FOR GNATHIC FIBROUS DYSPLASIA AND OSSIFYING FIBROMA	2024/10/16
2024/07854	ANTI-ATHEROSCLEROTIC NANOPARTICLE BASED ON DTRIM24 BIOCOMPATIBILITY	2024/10/16
2024/07855	COMPOSITION, METHOD FOR PREPARING SAME, AND USE THEREOF	2024/10/16

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2024/07871	METHOD OF MONOPTERUS ALBUS ZUIEW REPRODUCE IN SHALLOW WATER WITHOUT SOIL	2024/10/17
2024/07873	A BODY POSITION ADJUSTING DEVICE FOR PATIENTS WITH SEVERE RESPIRATORY DISEASE	2024/10/17
2024/07874	A FUNCTIONAL UNIT OF A MATRIX MASSAGE DEVICE	2024/10/17
2024/07875	A MULTIFUNCTIONAL MATRIX WHOLE BODY MASSAGE DEVICE	2024/10/17
2024/07876	AN ADJUSTABLE MATRIX MASSAGE DEVICE	2024/10/17
2024/07877	LIGHTWEIGHT CERAMIC FILTRATION MEMBRANE AND PREPARATION METHOD THEREOF	2024/10/17
2024/07878	DEVICE AND METHOD FOR FLEXIBLY PROCESSING WOOD MEMBERS	2024/10/17
2024/07879	URBAN ROAD PERMEABLE TREATMENT DEVICE FOR FLOOD PREVENTION	2024/10/17
2024/07881	METHOD AND COMPOSITION OF SYNERGISTIC INSECTICIDAL MIXTURES	2024/10/17
2024/07896	COMPOSITE EXTRUSION FORMING APPARATUS FOR CONICAL BODIES AND EXTRUSION FORMING METHOD	2024/10/17
2024/07908	ROSA ROXBURGHII PICKING ROBOT	2024/10/18
2024/07909	BRACKET WITH A MAGNETIC OR FERROMAGNETIC ELEMENT FOR A PLACED ON A VERTICAL SURFACE PRODUCT WITH A BASE WITH A MAGNETIC OR FERROMAGNETIC ELEMENT	2024/10/18
2024/07910	A PRODUCT WITH A BASE WITH A MAGNETIC OR FERROMAGNETIC ELEMENT PLACED ON A VERTICAL SURFACE AND A BRACKET WITH A MAGNETIC OR FERROMAGNETIC ELEMENT FOR IT	2024/10/18
2024/07911	IMAGE ACQUISITION DEVICE FOR ELECTRONIC COMPONENT DETECTION	2024/10/18
2024/07912	CLAMPING STRUCTURE FOR ELECTRONIC COMPONENT DETECTION	2024/10/18
2024/07913	A VOICE INTERACTION SYSTEM FOR A ROBOT	2024/10/18
2024/07914	A DIGITAL CONTROL SYSTEM FOR CUSTOMIZED MANUFACTURING OF	2024/10/18

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	FOOTWEAR	
2024/07915	FOLLOWING-TYPE LOGISTICS ROBOT CONTROL SYSTEM	2024/10/18
2024/07916	A RAPID DETERMINATION METHOD FOR THE POST-RIPENING PERIOD OF WHEAT BASED ON PHYSIOLOGICAL AND BIOCHEMICAL INDICATORS	2024/10/18
2024/07917	PIG SPERM HIGH-EFFICIENT PRESERVATIVE CONTAINING TECTORIGENIN AND PREPARATION METHOD AND APPLICATION THEREOF	2024/10/18
2024/07918	GRAZING PATH PLANNING AUXILIARY TOOL	2024/10/18
2024/07919	PASMO RESISTANCE GENE LUWRKY39 OF FLAX AND APPLICATION THEREOF	2024/10/18
2024/07929	A PLANT AND AN EFFICIENT PROCESS FOR PRODUCING POLYLACTIC ACID	2024/10/18
2024/07940	PICKING MACHINE FOR PICKING ROXBURGHII	2024/10/21
2024/07942	THERMODYNAMIC ANALYSIS-BASED FAULT DETECTION METHOD FOR CONDENSER OF PRESSURIZED WATER REACTOR NUCLEAR POWER PLANT	2024/10/21
2024/07943	CUTTING DEVICE AND METHOD FOR CUTTING A CORE COMPONENT	2024/10/21
2024/07951	A PLANT AND AN EFFICIENT PROCESS FOR PRODUCING POLYLACTIC ACID USING LACTIDE OBTAINED FROM POLYLACTIC ACID DEVOLATILIZATION	2024/10/21
2024/07952	DUAL-TRANSMISSION-TYPE HIGH-PRESSURE ROLLER MILL FOR MINING INDUSTRY	2024/10/21
2024/07953	OXAZEPINE DERIVATIVE	2024/10/21
2024/07961	COOLING SYSTEM OF PROTECTIVE CLOTHING	2024/10/22
2024/07962	A FULLY BIODEGRADABLE AGRICULTURAL MULCH FILM THAT REGULATES DEGRADATION RATE USING PHOTODEGRADATION TECHNOLOGY	2024/10/22
2024/07964	PROCESSES FOR PREPARING AG-10, ITS INTERMEDIATES, AND SALTS THEREOF	2024/10/22
2024/07967	METHOD AND COMPOSITION FOR SYNTHESIZING PHYTO-NANO-MGO	2024/10/22

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	QUANTUM DOTS FOR EVALUATION OF TOXIN IN-VIVO/VITRO/SILICO SEQUELS	
2024/07968	AN APPARATUS AND METHOD FOR ASSESSING WATER QUALITY STATUS USING WATER QUALITY INDEX	2024/10/22
2024/07969	COOLING AGENT, PREPARATION METHOD AND APPLICATION THEREOF	2024/10/22
2024/07973	NUCLEOSIDE DRUG FOR TREATING OR PREVENTING CORONAVIRUS INFECTION, AND USE THEREOF	2024/10/22
2024/07974	GRANULATION PROCESS, PRODUCTION PROCESS, AND PRODUCTION SYSTEM OF CHEMICAL FERTILIZER-BIOLOGICAL COMPOUND FERTILIZER	2024/10/22
2024/07997	A KIT CONTAINING A VERTICALLY PLACED SCRATCHING POST WITH A MAGNETIC ELEMENT AND A BRACKET WITH A MAGNETIC ELEMENT FOR IT	2024/10/23
2024/07998	METHOD FOR PRE-TRAINING, OR TRAINING, OR FINE TUNING OF A CLUSTERING MODEL	2024/10/23
2024/08000	METHOD FOR CLASSIFYING OF TEXT PARSING	2024/10/23
2024/08001	VISUALIZED OROPHARYNGEAL MEDICATION DELIVERY DEVICE	2024/10/23
2024/08002	A REAL TIME SYSTEM FOR ROAD SURFACE IRREGULARITY DETECTION IN A VEHICULAR ADHOC NETWORK	2024/10/23
2024/08003	AN IOT-BASED FACE RECOGNITION DOOR UNLOCK SYSTEM	2024/10/23
2024/08006	CORNER BRACKET FOR A WINDOW BLIND FRAME	2024/10/23
2024/08035	ACTIVATOR OF HIF-1 ALPHA AND APPLICATION THEREOF	2024/10/24
2024/08041	A MONITORING AND EARLY WARNING METHOD AND SYSTEM OF ABNORMAL GAS EMISSION IN GOAF OF COAL MINE BASED ON NATURAL WIND PRESSURE VARIATION	2024/10/24
2024/08042	APPLICATION OF A COMBINATION DEPRESSANT IN FLOTATION SEPARATION OF ASSOCIATED GOLD-SILVER LEAD-ZINC SULFIDE	2024/10/24

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	ORES AND AN APPLICATION METHOD THEREOF	
2024/08044	APPARATUS USED FOR CONTINUOUSLY QUANTITATIVELY INSEMINATING EWES	2024/10/24
2024/08050	AN ULTRA-SHORT BASELINE MOUNTING BRACKET	2024/10/24
2024/08065	SPRAYING DEVICE FOR SPRAYING GRANULAR AND VISCOUS ORCHARD GREEN HERBICIDES	2024/10/25
2024/08066	ONE-COMPONENT SILANE-MODIFIED POLYETHER SEALANT AND PREPARATION METHOD THEREOF	2024/10/25
2024/08067	BANANA PANAMA DISEASE DRUG SPRAY FORMULA AND CONTROL METHOD THEREOF	2024/10/25
2024/08088	VERTICALLY PLACED CAT SCRATCHING POST FOR USE WITH BRACKET	2024/10/28
2024/08089	BRACKET WITH MAGNETIC ELEMENT FOR VERTICALLY PLACED PRODUCT	2024/10/28
2024/08090	VERTICALLY PLACED SCRATCHING POST WITH MAGNETIC ELEMENT FOR USE WITH BRACKET WITH MAGNETIC ELEMENT	2024/10/28
2024/08091	METHOD FOR CLASSIFYING OF TEXT PARSING USING CLUSTERING MODEL	2024/10/28
2024/08092	STRIPPING DEVICE AND METHOD FOR ACTIVE MATERIALS IN WASTE LITHIUM BATTERY POLE PIECES	2024/10/28
2024/08093	SYSTEM FOR DEEP SECURITY ASSESSMENT OF MOBILE APPLICATION BASED ON TAINT ANALYSIS	2024/10/28
2024/08094	A METHOD FOR THE RESOURCE UTILIZATION AND DISPOSAL OF ALKALINE WASTE LIQUOR FROM ZIRCON METALLURGY	2024/10/28
2024/08095	METHOD FOR MONITORING SPORTS PHYSIOLOGICAL DATA	2024/10/28
2024/08096	COMPUTER DEVICE FOR AUTOMATED PROCESSING OF NATURAL LANGUAGE TEXT	2024/10/28
2024/08097	COMPUTER DEVICE FOR PRE-TRAINING, OR TRAINING, OR FINE TUNING OF A CLUSTERING MODEL	2024/10/28
2024/08098	QUICK POSITIONING ASSEMBLED INSTALLER	2024/10/28
2024/08101	METHOD FOR STATISTICALLY	2024/10/28

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	ANALYZING SEVERITY OF PLANT DISEASES	
2024/08102	A METHOD FOR ADSORPTION OF CATECHOL AND RESORCINOL ON CROTON CAUDATUS ACTIVATED CARBON	2024/10/28
2024/08103	PROGRAMMABLE ADJUSTABLE SLIDING RHEOSTAT	2024/10/28
2024/08104	FLOATING FISH REEF AND FLOATING-SINKING COMPOUND FISH REEF	2024/10/28
2024/08108	PROCESS AND EQUIPMENT FOR MANUFACTURING CUT RAG	2024/10/28
2024/08109	CONCRETE DETECTION, REPAIR, AND MONITORING INTEGRATED PROTECTION SYSTEM AND IMPLEMENTATION METHOD	2024/10/28
2024/08128	SCENE FLOW DIGITAL TWIN METHOD AND SYSTEM BASED ON DYNAMIC TRAJECTORY FLOW	2024/10/28
2024/08137	ASPHALT HEATING SYSTEM	2024/10/29
2024/08138	POROUS DRAINAGE STRUCTURE AND WATER CIRCULATION SYSTEM FOR SPONGE CITIES	2024/10/29
2024/08139	ECOLOGICAL ENVIRONMENT ANALYSIS METHOD AND SYSTEM FOR LOW-CARBON URBAN AGGLOMERATION	2024/10/29
2024/08140	AUXILIARY SOAKING DEVICE FOR GERMINATION OF BROWN RICE	2024/10/29
2024/08141	SOIL IMPROVER FOR IMPROVING SURVIVAL RATE OF PLANT CULTIVATION	2024/10/29
2024/08142	A METHOD OF PLANTING THYSANOLAENA MAXIMA FOR PREVENTING LANDSLIDES	2024/10/29
2024/08143	AN ASSEMBLED PREFABRICATED HYBRID FIBER AND SOLID WASTE MICROPOWDER RECYCLED CONCRETE COMPOSITE BEAM	2024/10/29
2024/08145	INTEGRATED WIRELESS NETWORK DETECTION AND CONTROL METHOD	2024/10/29
2024/08146	A SMART SAFETY FOOTWEAR FOR NEXT GENERATION	2024/10/29
2024/08174	ENERGY ABSORBING, YIELDING ROCK ANCHOR	2024/10/29
2024/08182	AN ARTIFICIALLY INTELLIGENT COMPACT COMPUTING DEVICE, SYSTEM AND METHOD FOR NEXT-GENERATION VACCINE DESIGN	2024/10/30
2024/08183	ANTI-ADHESION FIXING POLYMER	2024/10/30

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	AND USE IN PHYSICAL TONER THEREOF	
2024/08184	TRADITIONAL CHINESE MEDICINE COMPOSITE FOR TREATING CHRONIC NEPHRITIS AND NEPHROTIC SYNDROME, AND PHARMACEUTICAL PREPARATION THEREOF	2024/10/30
2024/08185	A LIMITING RANGE EXTENDER COLD START ENGINE OVERSPEED CONTROL DEVICE	2024/10/30
2024/08186	A P2 ARCHITECTURE LIGHT TRUCK HYBRID AUTOMOBILE CLUTCH CONTROL DEVICE	2024/10/30
2024/08187	SIMULATION, PREDICTION AND EVALUATION METHOD FOR COUPLING EFFECT OF URBANIZATION-RESOURCE-ENVIRONMENT SYSTEM	2024/10/30
2024/08193	AUTOMATIC WINDOW OPENING SYSTEM FOR VEHICLES IN EMERGENCY SITUATIONS	2024/10/30
2024/08194	EXTERNAL HIGH-PERFORMANCE FIREPROOF COATING AND PREPARATION METHOD THEREOF	2024/10/30
2024/08195	INTELLIGENT MEDICAL TERMINAL FOR GERIATRIC HEALTH MANAGEMENT	2024/10/30
2024/08207	A DOWNHOLE VENTILATION MECHANISM	2024/10/30
2024/08208	REBAR-FREE PRESTRESSED CONCRETE AND FORMING METHOD THEREFOR	2024/10/30
2024/08223	OPTIMAL SCHEME OF VASODILATION AFTER AUTOGENOUS ARTERIOVENOUS FISTULA OPERATION	2024/10/30
2024/08237	BLAST PLUG	2024/10/31
2024/08242	AN EXHALATION RESISTANCE REHABILITATION DEVICE FOR COPD TREATMENT	2024/10/31
2024/08246	AN ENERGY-SAVING AND ENVIRONMENTALLY FRIENDLY LOW-TEMPERATURE ASPHALT MODIFIER SUITABLE FOR HIGH-TEMPERATURE REGIONS	2024/10/31
2024/08247	ELECTRO-CATALYST WITH BISMUTH-DOPED CO3O4 NANOFLAKE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2024/10/31
2024/08248	A LOW-TEMPERATURE MODIFIED	2024/10/31

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	ASPHALT FOR ALPINE REGIONS	
2024/08249	METHOD FOR AUTOMATED PROCESSING OF NATURAL LANGUAGE TEXT	2024/10/31
2024/08250	METHOD FOR FORMING A TEXT CORPUS WITH PRELIMINARY SEGMENTATION	2024/10/31
2024/08251	METHOD FOR FORMING A TEXT CORPUS	2024/10/31
2024/08252	METHOD FOR FORMING A DATABASE	2024/10/31
2024/08270	PROCESS FOR ENHANCING PRODUCTION OF BIOFUELS FROM BIOMASS	2024/10/31
2024/08273	MEDICAL ELECTRONIC WRISTBAND	2024/10/31
2024/08280	REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE WITH INTERMEDIATE ELEMENT	2024/11/01
2024/08281	REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE WITH CARRIER ELEMENT	2024/11/01
2024/08282	REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE WITH CARRIER ELEMENT AS A BASE	2024/11/01
2024/08283	REMOVABLE HOLDER WITH CONTROLLED MOVABLE MASSAGE MODULE FOR MASSAGE DEVICE	2024/11/01
2024/08284	TRAFFIC LIGHT AI SMOOTH TRAFFIC CONTROL SYSTEM	2024/11/01
2024/08285	FRESH-SQUEEZED CHERRY FRUIT AND VEGETABLE JUICE TYPE DRAFT BEER AND PREPARATION METHOD THEREOF	2024/11/01
2024/08286	METHOD AND SYSTEM FOR MONITORING STABILITY OF OFFSHORE WIND POWER PILE FOUNDATION	2024/11/01
2024/08308	A SET COMPRISING A BED EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM	2024/11/04
2024/08309	A SET COMPRISING A CHAIR EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM	2024/11/04

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2024/08310	A SET COMPRISING A BED EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM WITH AN EXTERNAL CONTROL DEVICE	2024/11/04
2024/08311	A SET COMPRISING A CHAIR EQUIPPED WITH A PENDULUM MECHANISM AND A DEVICE FOR ACTUATING THE PENDULUM MECHANISM WITH AN EXTERNAL CONTROL DEVICE	2024/11/04
2024/08312	PENDULUM MECHANISM	2024/11/04
2024/08313	FLOATING WETLAND ADJUSTABLE WATER TREATMENT DEVICE FOR RIVER AND LAKE MANAGEMENT	2024/11/04
2024/08315	PRECISELY CONTROLLED OPEN-DIE FORGING RESIDUAL TEMPERATURE NORMALIZING PRODUCTION PROCESS	2024/11/04
2024/08316	FORGING FORMING PROCESS OF AUTOMOBILE HUB BEARING MANDREL	2024/11/04
2024/08320	SERS IMMUNOLABEL SOLUTION FOR MULTIPLE DETECTION OF PESTICIDE AND VETERINARY DRUG RESIDUES, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2024/11/04
2024/08321	METHOD FOR PREPARING CAPSICUM OLEORESIN BY HYDRATION PRETREATMENT	2024/11/04
2024/08345	METHOD FOR MULTI-STRAIN FERMENTATION OF FISH FERTILIZER AND WASTE LOW-ODOR FERTILIZER BASED ON NEURAL NETWORKS	2024/11/05
2024/08346	PERFORMANCE ANALYSIS METHOD FOR SATELLITE-TO-GROUND MOBILE NETWORK BASED ON COOPERATIVE PDMA	2024/11/05
2024/08348	THREE-DIMENSIONAL POSITIONING PREDICTION METHOD FOR A CONCEALED ORE BODY BASED ON ARTIFICIAL INTELLIGENCE	2024/11/05
2024/08349	A CONTROL METHOD AND SYSTEM FOR FLEXIBLE JOB SHOP PRODUCTION EQUIPMENT FOR AVOIDING THE PATH CONFLICT	2024/11/05
2024/08350	A SOFT ENDOSCOPIC SUTURE DEVICE	2024/11/05

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2024/08351	METHOD, DEVICE, AND PRODUCT FOR DETERMINING BIONIC WEAR-RESISTANT AIRFOIL	2024/11/05
2024/08373	A GAMING SYSTEM FOR MENTALLY CHALLENGED PEOPLE AND ITS METHOD THEREOF	2024/11/06
2024/08374	METHOD FOR DETECTING WEAR RESISTANCE OF ADDITIVE MANUFACTURING 316L STAINLESS STEEL	2024/11/06
2024/08375	ADDITIVE MANUFACTURING CORROSION-RESISTANT STAINLESS STEEL AND PREPARATION METHOD AND APPLICATION THEREOF	2024/11/06
2024/08378	HAIRBRUSH	2024/11/06
2024/08379	MILLING CUTTER-BASED SPIRAL DITCHING FERTILIZER APPLICATOR	2024/11/06
2024/08380	A TRAFFIC CONTROL BARRIER GATE FOR URBAN MANAGEMENT	2024/11/06
2024/08381	SPRING COTTER CONNECTING KIT	2024/11/06
2024/08382	FERTILIZING METHOD FOR REDUCING HEAVY METAL POLLUTION IN SOIL AND APPLICATION THEREOF	2024/11/06
2024/08383	PREPARATION METHOD FOR EXTRACTING HIGHLAND BARLEY PEPTIDE	2024/11/06
2024/08384	INTELLIGENT FRUIT QUALITY GRADING DEVICE	2024/11/06
2024/08385	DEMONSTRATION BOARD FOR SPANISH GRAMMAR TEACHING	2024/11/06
2024/08386	INSPECTION AND REGRINDING APPARATUS FOR STRAIGHTENING ROLLS	2024/11/06
2024/08387	METHOD FOR PREVENTING AND CONTROLLING UNDERGROUND PESTS IN FARMLAND	2024/11/06
2024/08388	ANTIBODIES TARGETING SIRP-ALPHA AND USES THEREOF	2024/11/06
2024/08424	DEVICE FOR COLLECTING WALNUT KERNELS	2024/11/07
2024/08426	A METHOD FOR GENERATING A LIST OF TEXT RECORDS USING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING	2024/11/07
2024/08430	AUTOMATIC SCREENING AND RECYCLING DEVICE FOR RESIDUAL FILM IN COTTON FIELD	2024/11/07
2024/08431	MACHINE-READAEBLE MEDIA FOR	2024/11/07

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	CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING	
2024/08432	DEVICE FOR CREATING A DATABASE OF TEXT RECORDS OF A HIERARCHICAL CLASSIFIER WITH SEVERAL LEVELS OF NESTING	2024/11/07
2024/08436	DEEP CONVOLUTIONAL NEURAL NETWORK BASED FISH QUALITY ASSESSMENT SYSTEM	2024/11/07
2024/08438	A METHOD FOR PRODUCTION OF HYDROCARBONS OF LIQUID FUEL RANGE FROM NON-EDIBLE OIL USING ZEOLITE CATALYST	2024/11/07
2024/08460	IMPROVED WEB CONNECTION WITH TIMBER FLANGE	2024/11/07
2024/08467	CARBON FIBER CLOTH CONFINED FRP REINFORCED CONCRETE BEAM	2024/11/08
2024/08469	THE INVENTION RELATES TO AN ANIMAL ABDOMINAL CAVITY CELL EXTRACTION DEVICE	2024/11/08
2024/08470	DIETARY FORMULA APPLICABLE TO REHABILITATION OF CARDIOVASCULAR AND CEREBROVASCULAR DISEASES AND CAPABLE OF NOURISHING LIVER AND KIDNEY	2024/11/08
2024/08471	MILLIMETER WAVE RADAR TARGET DETECTION SYSTEM AND DETECTION METHOD THEREOF	2024/11/08
2024/08473	A FUMIGATION DEVICE FOR GOUTY ARTHRITIS REHABILITATION	2024/11/08
2024/08475	AIR-BLOWN TYPE FRUIT SORTING MACHINE	2024/11/08
2024/08476	MECHANICAL DEVICE FOR ASSISTING ELDERLY TO SQUAT AND USE METHOD THEREFOR	2024/11/08
2024/08477	PHYSICAL EXERCISE DEVICE	2024/11/08
2024/08478	COMPUTER IMAGE PROCESSING SYSTEM	2024/11/08
2024/08479	AUXILIARY EQUIPMENT FOR TEACHING PIANO PLAYING SKILLS	2024/11/08
2024/08480	METHOD FOR DETERMINING FAVORABLE AREAS OF SANDSTONE-TYPE URANIUM BASINS BY UTILIZING ZIRCON U-PB DATING AND IN-SITU HF ISOTOPE ANALYSIS	2024/11/08
2024/08516	DEVICE FOR ACTUATING A	2024/11/11

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2024/08517	A BED EQUIPPED WITH A PENDULUM MECHANISM	2024/11/11
2024/08518	A CHAIR EQUIPPED WITH A PENDULUM MECHANISM	2024/11/11
2024/08519	A SET COMPRISING A DEVICE FOR ACTUATING THE PENDULUM MECHANISM AND AN EXTERNAL CONTROL DEVICE	2024/11/11
2024/08520	METHOD FOR FABRICATING INNER WHISPERING GALLERY MODE MICROCAVITY FLUID CHANNEL OF HOLLOW-CORE MICROSTRUCTURED OPTICAL FIBER	2024/11/11
2024/08523	ELECTRONIC DEVICE PLACED ON A VERTICAL SURFACE AND CONTROLLED BY MEANS OF A BRACKET	2024/11/11
2024/08524	ACOUSTIC DEVICE PLACED ON A VERTICAL SURFACE AND CONTROLLED BY MEANS OF A BRACKET	2024/11/11
2024/08525	METHOD FOR CONTROL OF AN IMAGE OUTPUT DEVICE PLACED ON A VERTICAL SURFACE	2024/11/11
2024/08529	PRECISION MEASURING DEVICE FOR LATHE MACHINING	2024/11/11
2024/08531	IN-BARREL MICROWAVE HEATING AND DRYING PROCESS FOR RADIOACTIVE LIQUID WASTE	2024/11/11
2024/08534	FLOATING WIND POWER PLATFORM FOR SUPPRESSING SWING AND OCEAN WAVE POWER GENERATION BY FIN STABILIZERS	2024/11/11
2024/08535	NAVIGATION CONTROL METHOD FOR WHEELED MOBILE ROBOT IN CROWD	2024/11/11
2024/08536	METHOD FOR TISSUE CULTURE AND RAPID PROPAGATION OF SUPERIOR TREE OF PAULOWNIA CATALPIFOLIA	2024/11/11
2024/08537	TESTING DEVICE FOR RADIAL FRACTURE SEEPAGE AND NEW METHOD FOR FIXING NON-STANDARD ROCK SAMPLES	2024/11/11
2024/08538	BOS GRUNNIENS FORMULA MILK POWDER BENEFICIAL TO MAINTAINING BLOOD LIPID AND BONE HEALTH LEVELS	2024/11/11
2024/08539	INFRARED CAMERA DEVICE FOR MONITORING WETLAND BIRD	2024/11/11

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2024/08541	A HYDROPONIC DEVICE THAT CAN BE RAISED AND LOWERED AND SUPPORTS NON-DESTRUCTIVE FETCHING OF SEEDLINGS	2024/11/11
2024/08546	AN APPARATUS FOR STRETCHING A MESH FOR SCREEN PRINTING	2024/11/11
2024/08549	MEDICINE COMPOSITION FOR IMPROVING QUALITY OF BULL SEMEN AND PREPARATION METHOD THEREOF	2024/11/11
2024/08566	SCRATCHING POST PLACED ON A VERTICAL SURFACE WITH A MAGNETIC ELEMENT FOR USE WITH A BRACKET	2024/11/12
2024/08567	A SET CONTAINING A VERTICALLY PLACED SCRATCHING POST AND A BRACKET FOR IT	2024/11/12
2024/08569	SECURITY FENCE PANEL	2024/11/12
2024/09380	ADDITIVE FOR ASPHALT	2024/12/09
2024/09679	ENERGY STORAGE SYSTEMS	2024/12/13
2024/09913	ASSEMBLY FOR POSITIONING AND KEEPING IN POSITION A PROJECTILE IN A STRETCHER AND LOADING-AID DEVICE COMPRISING SUCH AN ASSEMBLY	2024/12/20
2025/01058	QUADRATIC OPTIMAL CONTROL METHOD AND SYSTEM FOR PHOTOVOLTAIC POWER SUPPLY SYSTEM BASED ON FIXED TIME CONSISTENCY	2025/02/03
2025/01352	SUTURING INSTRUMENT	2025/02/13
2025/02078	INTELLIGENT PROCESSING AND DETECTION SYSTEM FOR CAPSULE PREPARATION PRODUCTION	2025/03/07
2025/02799	MULTI-SCALE GRAVITY ENERGY STORAGE FACILITY AND METHOD FOR WATER (LIQUID) TURBINE WATER (LIQUID) PUMPING AND DRAINAGE DRIVING ENERGY CONVERSION	2025/04/01
2025/03192	TOPRAMEZONE DERIVATIVE AND USE THEREOF	2025/04/15

DESIGNS

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A2024/00145	TYRES AND TYRE TREADS	2024/02/02
A2024/00671	PICK-UP TRUCK	2024/07/04
A2024/00687	LIGHT FIXTURE	2024/07/16
A2024/00688	LIGHT FIXTURE	2024/07/16
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A2024/00774	MEDICAL INSTRUMENTS	2024/08/01
A2024/00775	DRIP CHAMBERS WITH FLOW REGULATORS	2024/08/01
A2024/00776	MEDICAL INSTRUMENTS	2024/08/01
A2024/00777	DRIP CHAMBERS WITH FLOW REGULATORS	2024/08/01
A2024/00779	Car	2024/08/05
A2024/00780	Toy Car	2024/08/05
A2024/00787	LABORATORY TOOLS	2024/08/07
A2024/00788	Footwears	2024/08/07
A2024/00792	AUTOMOBILES	2024/08/07
A2024/00793	AUTOMOBILES	2024/08/07
A2024/00801	COAT PEGS	2024/08/12
A2024/00802	HAND TOOLS	2024/08/12
A2024/00803	TOOLS	2024/08/12
A2024/00805	AIR VALVES	2024/08/14
A2024/00818	3D Logo	2024/08/21
A2024/00819	2D Logo	2024/08/21
A2024/00820	Energy Storage Inverter Cover	2024/08/21
A2024/00821	BOTTLES	2024/08/22
A2024/00822	BOTTLES	2024/08/22
A2024/00823	BOTTLES	2024/08/22
A2024/00824	BOTTLES	2024/08/22
A2024/00825	Watch Dial	2024/08/22
A2024/00831	AN AIRGUN RECEIVER	2024/08/26
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A2024/00839	Bottle Cap	2024/08/28
A2024/00841	SPORTS APPAREL SURFACE PATTERNS	2024/08/29
A2024/00842	SPORTS APPAREL SURFACE PATTERNS	2024/08/29
A2024/00843	SPORTS APPAREL SURFACE PATTERNS	2024/08/29
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A2024/00845	SPORTS APPAREL SURFACE PATTERNS	2024/08/29
A2024/00846	SPORTS APPAREL SURFACE PATTERNS	2024/08/29
A2024/00847	SPORTS APPAREL SURFACE PATTERNS	2024/08/29

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A2024/00848	SPORTS APPAREL SURFACE PATTERNS	2024/08/29
A2024/00849	SPORTS APPAREL SURFACE PATTERNS	2024/08/29
A2024/00872	GREASE GUN	2024/09/06
A2024/00881	FASTENER FOR STEEL CABLE CONVEYOR BELTS	2024/09/10
A2024/00884	DOMESTIC SODA-WATER PREPARING DEVICE	2024/09/11
A2024/00889	MACADAMIA DE-HUSKER	2024/09/12
A2024/00905	VAPE DEVICE	2024/09/17
A2024/00912	RACK FOR A BIKE HELMET	2024/09/17
A2024/00986	CAR	2024/09/30
A2024/00987	CAR	2024/09/30
A2024/00988	AUTOMOBILE	2024/09/30
A2024/01033	WATER PURIFIER	2024/10/10
A2025/00212	DIGITAL DAY AND NIGHT VISION SCOPE	2025/02/24
A2025/00213	DIGITAL NIGHT VISION MONOCULAR	2025/02/24
F2022/01330	DIGGING ELEMENTS	2022/10/21
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F2024/00442	SPACER BRACKET FOR MOUNTING SOLAR PANELS	2024/05/09
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F2024/00873	GREASE GUN	2024/09/06
F2024/00883	FASTENER FOR STEEL CABLE CONVEYOR BELTS	2024/09/10
F2024/00906	VAPE DEVICE	2024/09/17
F2024/00913	RACK FOR A BIKE HELMET	2024/09/17
F2024/00965	CARTRIDGE	2024/09/26
F2024/00966	CARTRIDGE	2024/09/26
F2025/00167	LAPTOP ADJUSTABLE BEDSIDE TABLE	2025/02/13
F2025/00344	CHASSIS FOR A LADDER CLAMP	2025/03/26